

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061919\
 Data File : VX010345.D
 Acq On : 19 Jun 2019 13:04
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 1:23:24 PM

Quant Time: Jun 20 03:24:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:08:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	296658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	398145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	54996	19.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.06%	
35) Dibromofluoromethane	5.50	113	53720	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
50) Toluene-d8	8.71	98	203846	19.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.62%	
62) 4-Bromofluorobenzene	11.13	95	71264	18.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	40361	15.707	ug/l	100
3) Chloromethane	1.33	50	47239	17.852	ug/l	98
4) Vinyl Chloride	1.41	62	49691	19.585	ug/l	99
5) Bromomethane	1.64	94	29953	29.615	ug/l	99
6) Chloroethane	1.72	64	30630	23.549	ug/l	97
7) Trichlorofluoromethane	1.93	101	81431	21.179	ug/l	99
8) Diethyl Ether	2.19	74	29518	21.973	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49109	18.927	ug/l	100
10) Methyl Iodide	2.51	142	67691	17.073	ug/l	100
11) Tert butyl alcohol	3.04	59	77845	110.080	ug/l	98
12) 1,1-Dichloroethene	2.37	96	49497	18.658	ug/l	96
13) Acrolein	2.29	56	46941	244.865	ug/l	97
14) Allyl chloride	2.73	41	71867	18.038	ug/l	99
15) Acrylonitrile	3.14	53	143976	99.209	ug/l	100
16) Acetone	2.44	43	151015	108.989	ug/l	100
17) Carbon Disulfide	2.57	76	132168	17.375	ug/l	100
18) Methyl Acetate	2.78	43	54136	18.187	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	159385	18.739	ug/l	99
20) Methylene Chloride	2.85	84	55787	18.714	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	53440	18.234	ug/l	98
22) Diisopropyl ether	3.86	45	150149	19.587	ug/l	89
23) Vinyl Acetate	3.82	43	663769	97.040	ug/l	99
24) 1,1-Dichloroethane	3.70	63	86887	18.693	ug/l	98
25) 2-Butanone	4.67	43	212056	103.916	ug/l	100
26) 2,2-Dichloropropane	4.58	77	75495	17.993	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	61915	18.922	ug/l	99
28) Bromochloromethane	5.02	49	38978	18.596	ug/l	99
29) Tetrahydrofuran	5.13	42	122872	96.176	ug/l	97
30) Chloroform	5.21	83	92039	19.059	ug/l	100
31) Cyclohexane	5.58	56	79348	19.028	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	81570	17.999	ug/l	100
36) 1,1-Dichloropropene	5.80	75	66232	18.412	ug/l	99
37) Ethyl Acetate	4.83	43	72056	19.164	ug/l	97
38) Carbon Tetrachloride	5.79	117	74471	18.325	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91716	18.790	ug/l	97
40) Benzene	6.14	78	216000	19.375	ug/l	99
41) Methacrylonitrile	5.04	41	38725	19.102	ug/l	97
42) 1,2-Dichloroethane	6.19	62	67832	19.132	ug/l	99
43) Isopropyl Acetate	6.45	43	117695	18.802	ug/l	100
44) Trichloroethene	7.21	130	65146	19.365	ug/l	95
45) 1,2-Dichloropropane	7.51	63	53205	19.068	ug/l	96
46) Dibromomethane	7.66	93	39215	18.744	ug/l	99
47) Bromodichloromethane	7.90	83	70366	18.116	ug/l	99
48) Methyl methacrylate	7.77	41	55687	19.088	ug/l	99
49) 1,4-Dioxane	7.74	88	32759	392.495	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	384618	102.321	ug/l	99
52) Toluene	8.78	92	141352	19.234	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	77979	17.455	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	87393	18.162	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	58758	19.544	ug/l	98
56) Ethyl methacrylate	9.18	69	87988	18.641	ug/l	99
57) 1,3-Dichloropropane	9.37	76	90838	19.202	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	212816	95.509	ug/l	98
59) 2-Hexanone	9.49	43	307859	102.588	ug/l	99
60) Dibromochloromethane	9.58	129	64003	18.113	ug/l	99
61) 1,2-Dibromoethane	9.67	107	63980	19.158	ug/l	98
64) Tetrachloroethene	9.34	164	63375	21.063	ug/l	99
65) Chlorobenzene	10.14	112	158913	19.340	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	58417	18.553	ug/l	97
67) Ethyl Benzene	10.25	91	271485	19.402	ug/l	99
68) m/p-Xylenes	10.36	106	211998	39.114	ug/l	98
69) o-Xylene	10.69	106	103822	19.307	ug/l	98
70) Styrene	10.71	104	174705	19.211	ug/l	100
71) Bromoform	10.85	173	50207	17.409	ug/l #	100
73) Isopropylbenzene	11.02	105	274582	19.697	ug/l	98
74) N-amyl acetate	10.90	43	103896	18.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	89385	18.765	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	74963m	18.866	ug/l	
77) Bromobenzene	11.26	156	74961	19.508	ug/l	99
78) n-propylbenzene	11.36	91	297473	19.161	ug/l	100
79) 2-Chlorotoluene	11.42	91	175817	18.905	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	225448	19.169	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29689	16.728	ug/l	99
82) 4-Chlorotoluene	11.51	91	198114	18.747	ug/l	98
83) tert-Butylbenzene	11.77	119	224078	18.879	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	226767	19.084	ug/l	98
85) sec-Butylbenzene	11.94	105	265750	19.181	ug/l	100
86) p-Isopropyltoluene	12.06	119	244478	19.275	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	131002	19.392	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	128545	18.811	ug/l	98
89) n-Butylbenzene	12.38	91	203327	18.641	ug/l	100
90) Hexachloroethane	12.60	117	41455	16.645	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	131069	19.878	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19405	17.539	ug/l	96

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ClientSampleId :
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	91029	18.880	ug/l	99
94) Hexachlorobutadiene	13.78	225	43867	20.151	ug/l	100
95) Naphthalene	13.83	128	285993	18.920	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	91011	19.055	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

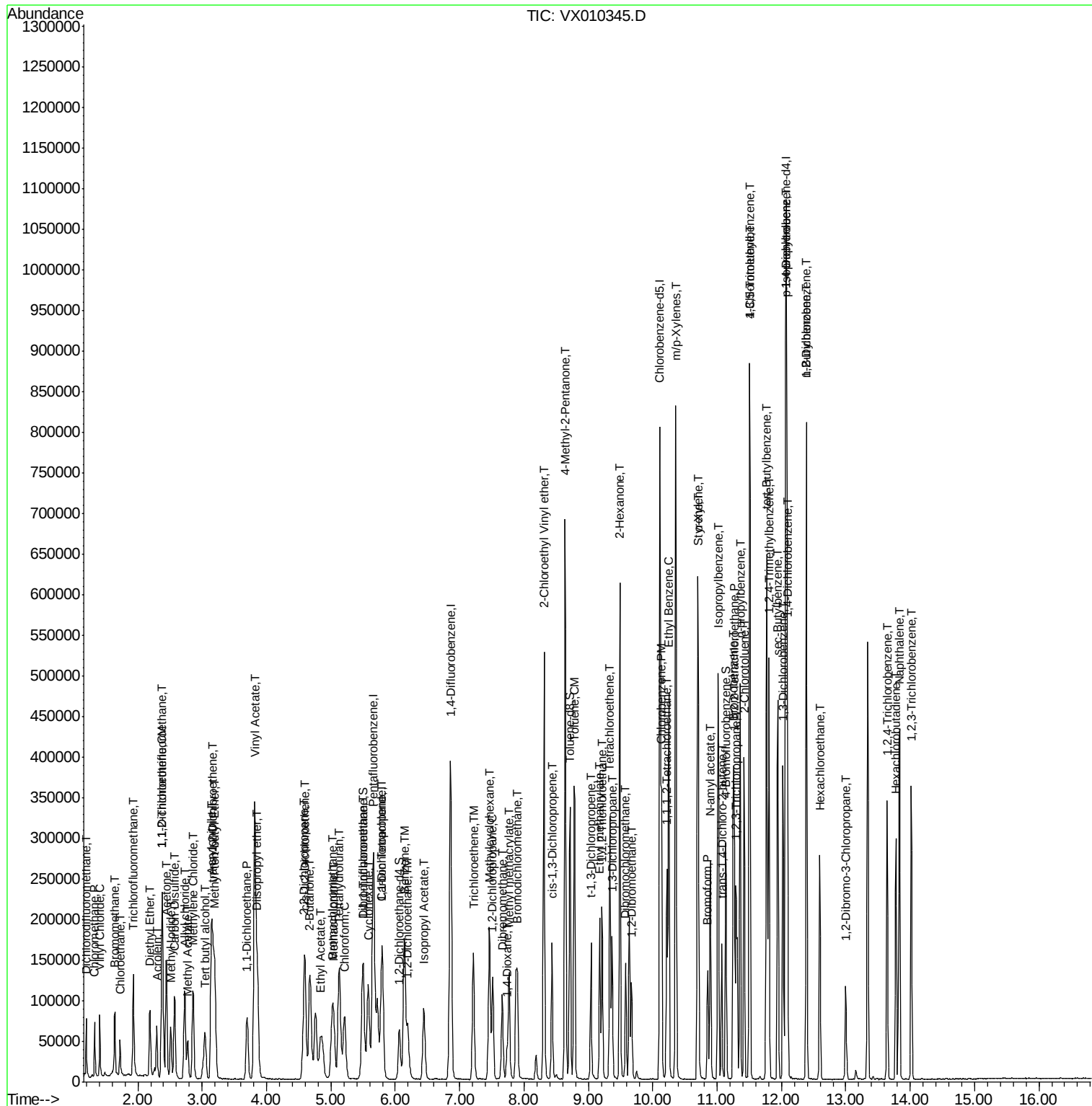
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Data File : VX010345.D
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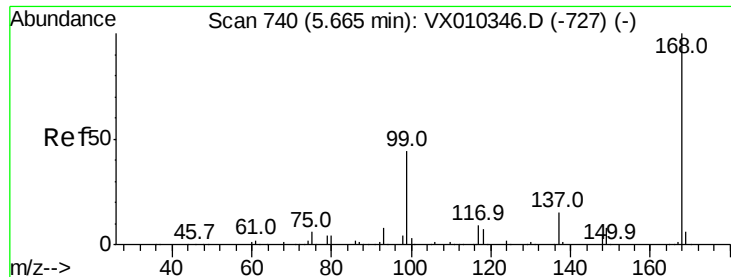
Instrument :
MSVOA_X
Client Sampled :
VSTDIC020

Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 296658

Ion Ratio Lower Upper

168 100

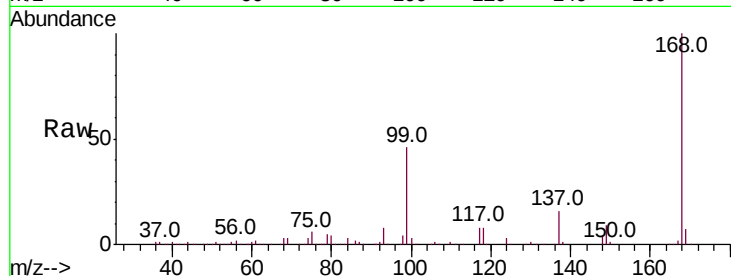
99 46.4 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

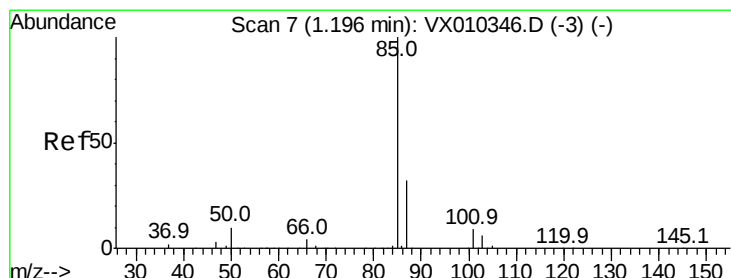
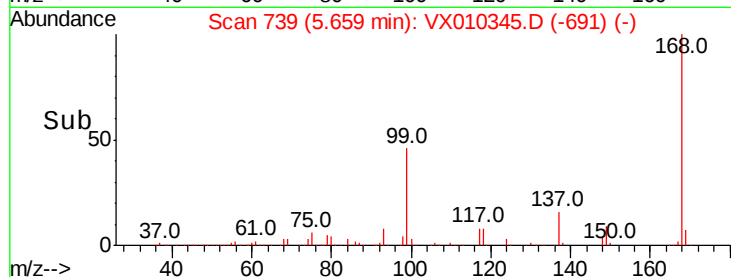
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.707 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010345.D

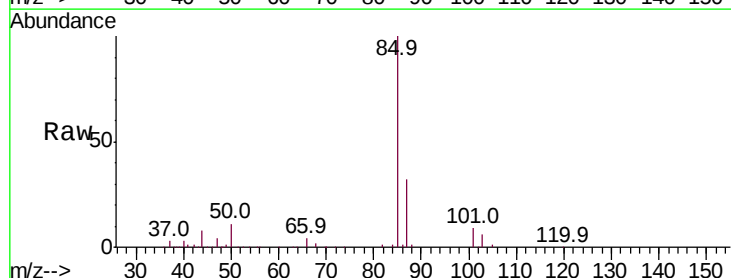
Acq: 19 Jun 2019 13:04

Tgt Ion: 85 Resp: 40361

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

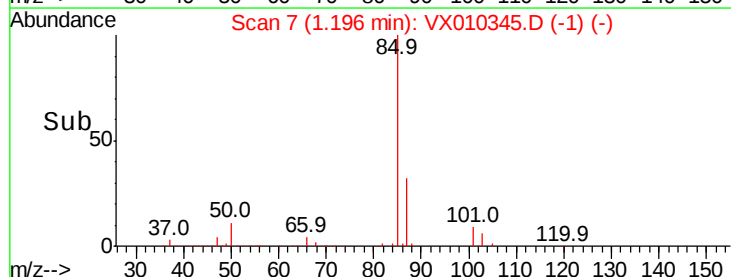
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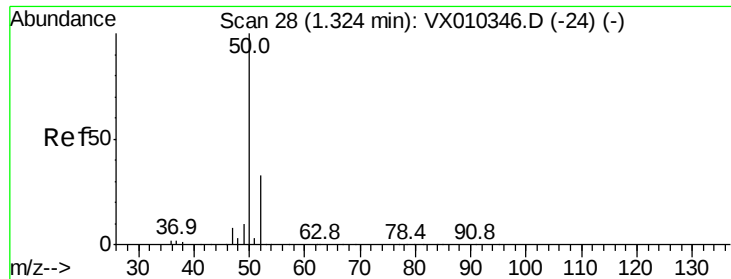
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.852 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 47239

Ion Ratio Lower Upper

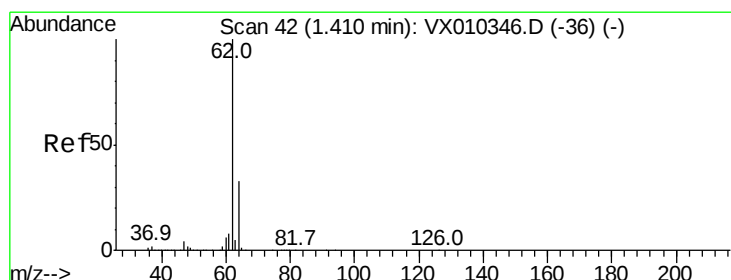
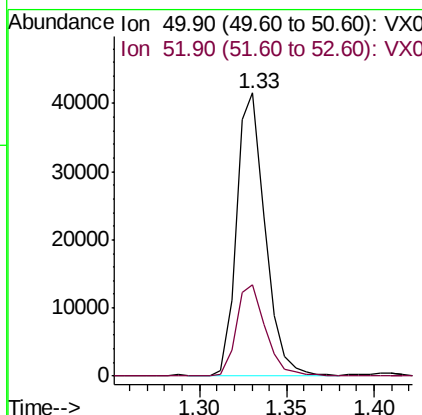
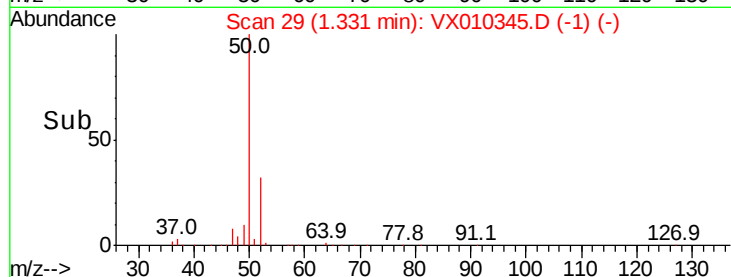
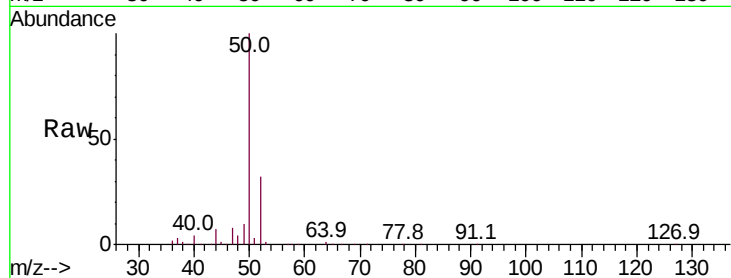
50 100

52 32.2 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.585 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010345.D

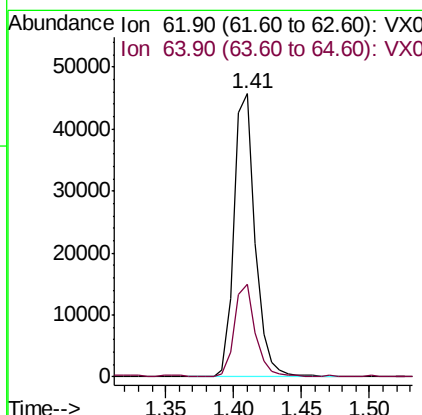
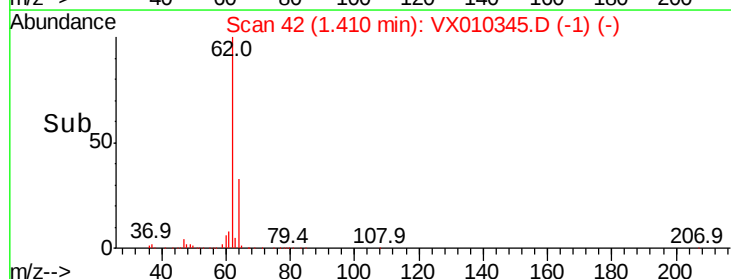
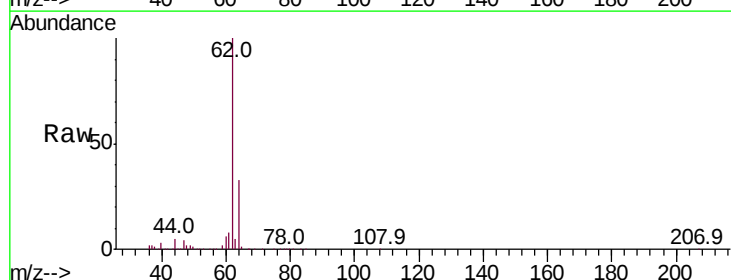
Acq: 19 Jun 2019 13:04

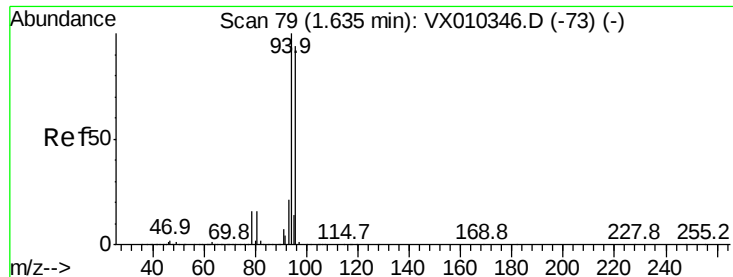
Tgt Ion: 62 Resp: 49691

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.4





#5

Bromomethane

Concen: 29.615 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 94 Resp: 29953

Ion Ratio Lower Upper

94 100

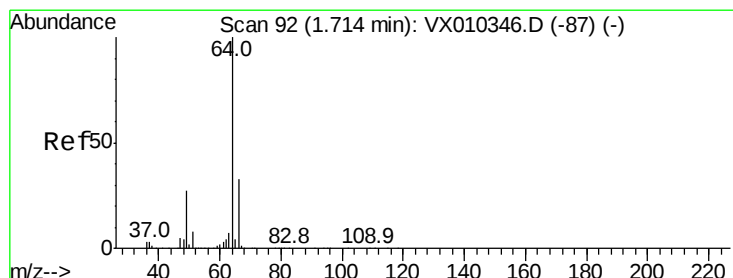
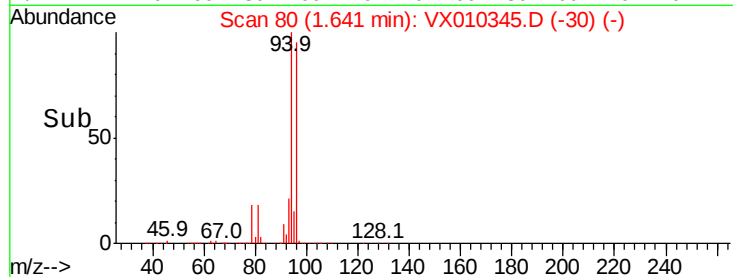
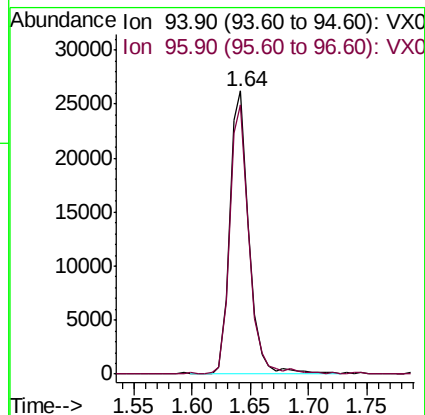
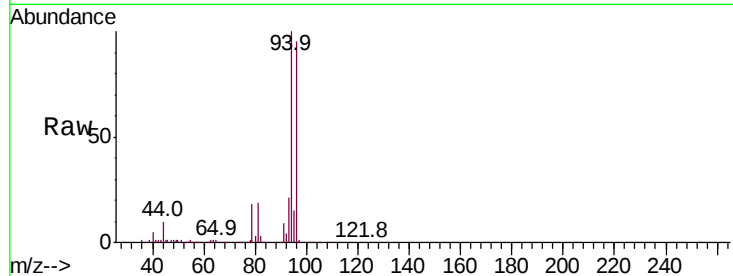
96 95.0 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 23.549 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010345.D

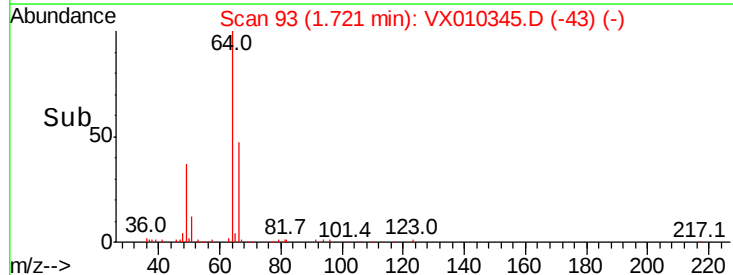
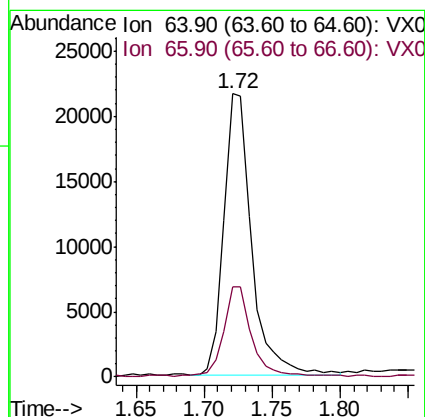
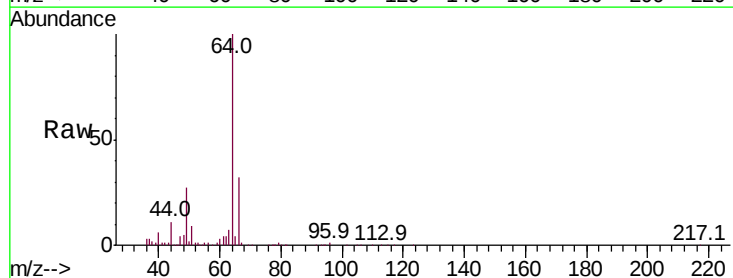
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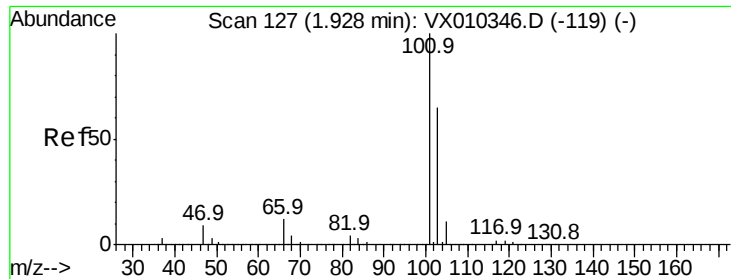
Tgt Ion: 64 Resp: 30630

Ion Ratio Lower Upper

64 100

66 31.6 26.6 40.0





#7

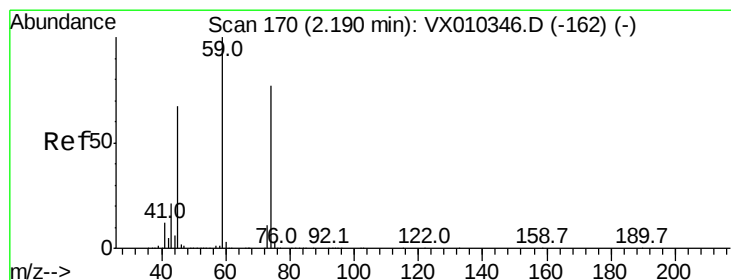
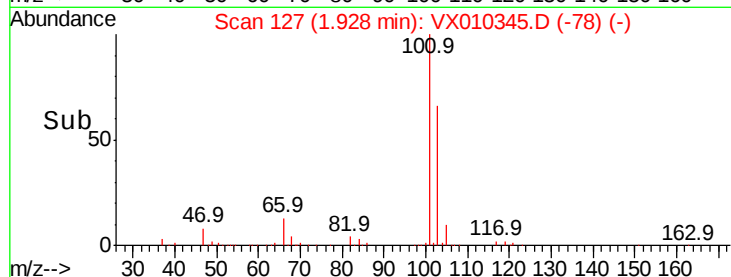
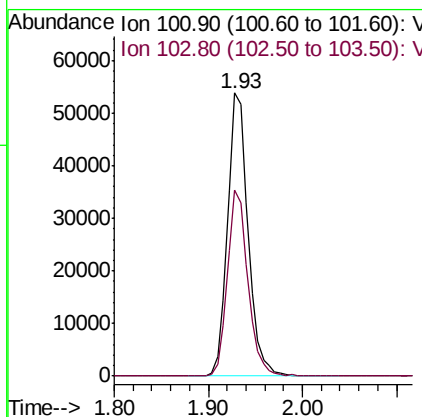
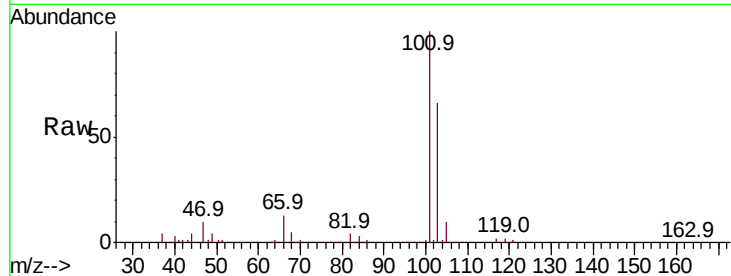
Trichlorofluoromethane
Concen: 21.179 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.3	78.5

Manual Integrations
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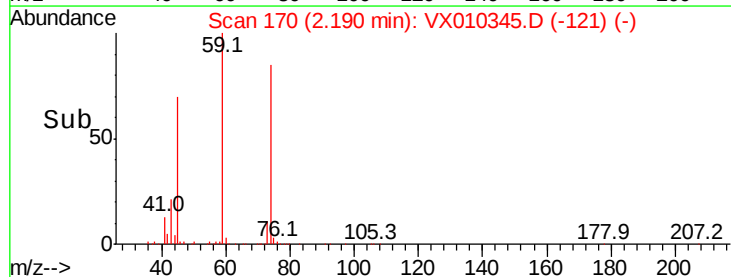
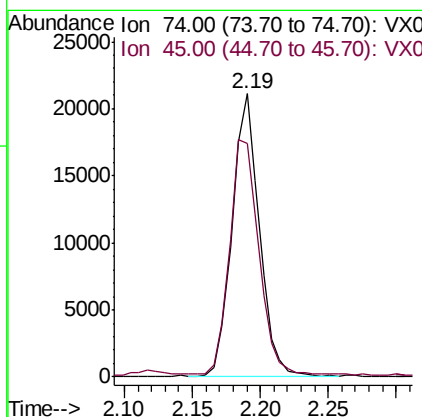
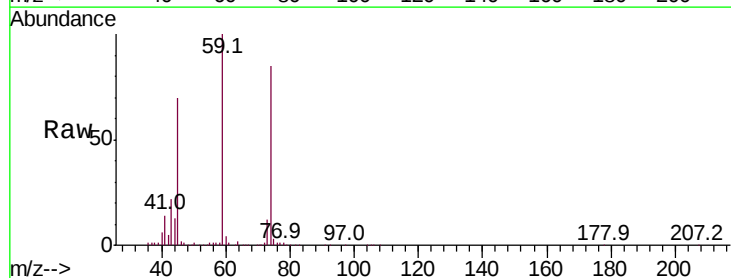
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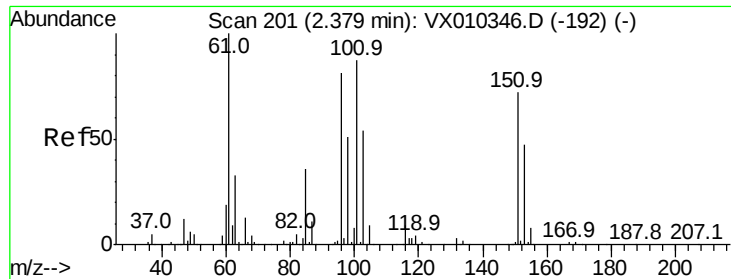


#8

Diethyl Ether
Concen: 21.973 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.927 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

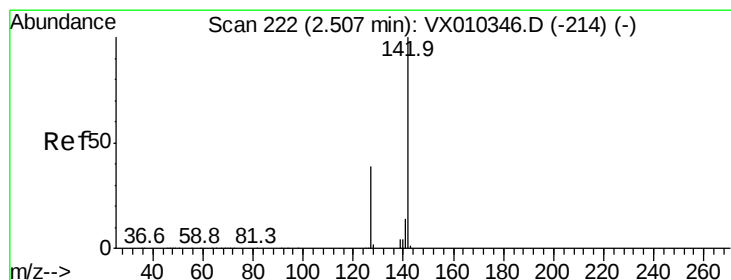
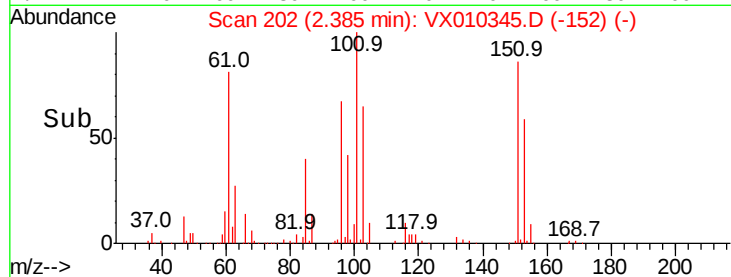
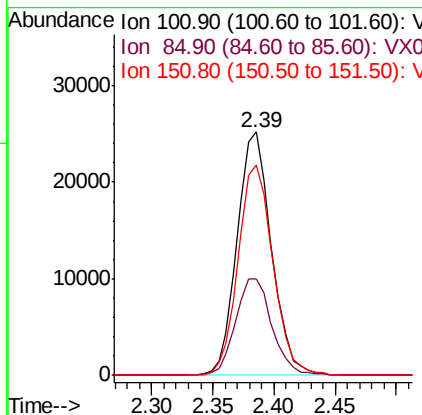
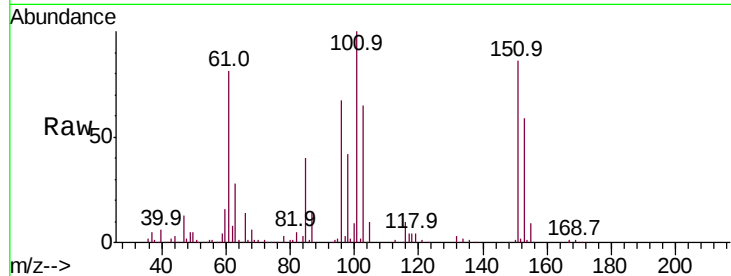
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	49109
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.7	50.5
151	87.8	70.1	105.1

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#10

Methyl Iodide

Concen: 17.073 ug/l

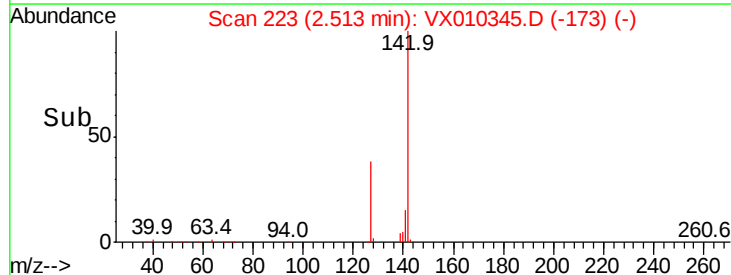
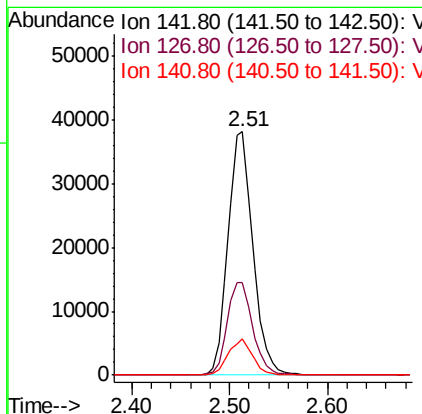
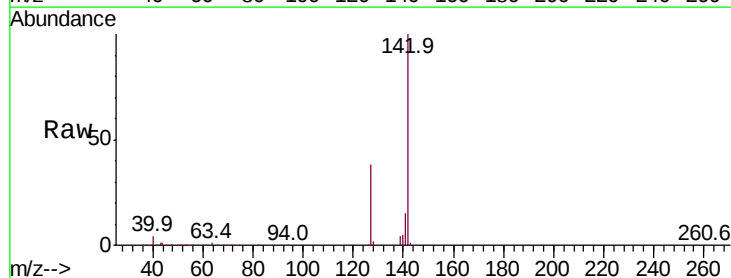
RT: 2.51 min Scan# 223

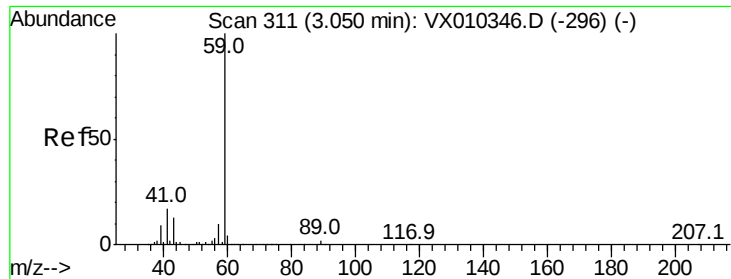
Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Tgt Ion:	142	Resp:	67691
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.1	46.7
141	14.4	11.2	16.8





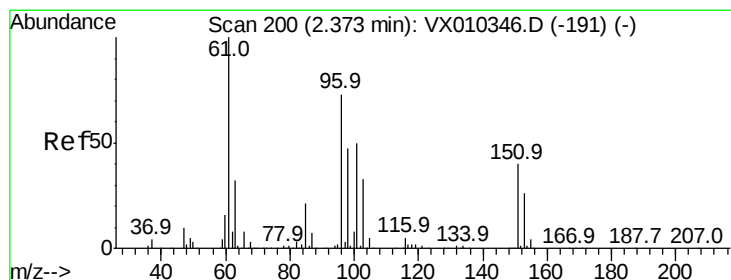
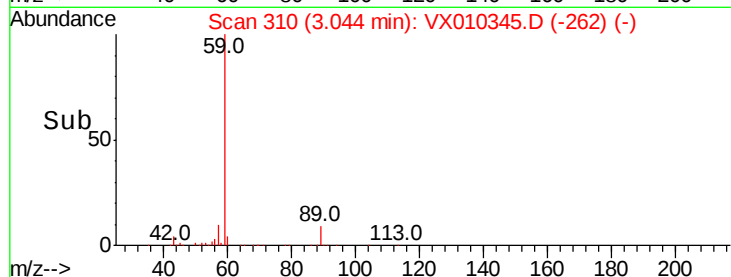
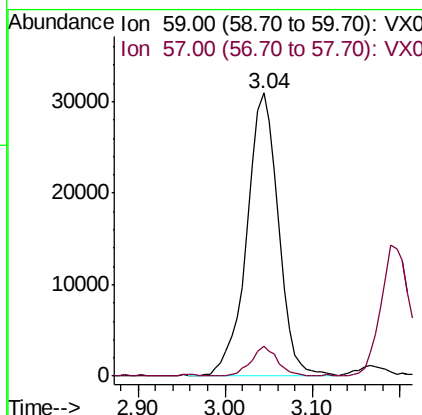
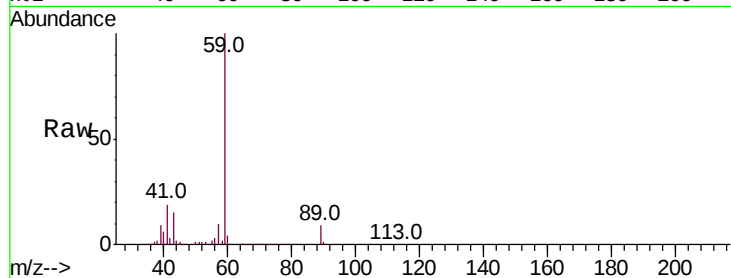
#11
Tert butyl alcohol
Concen: 110.080 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 77845
Ion Ratio Lower Upper
59 100
57 9.0 7.7 11.5

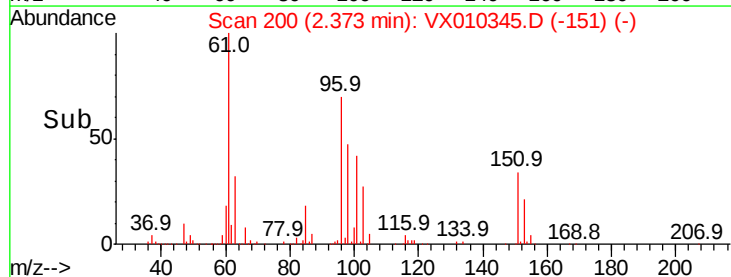
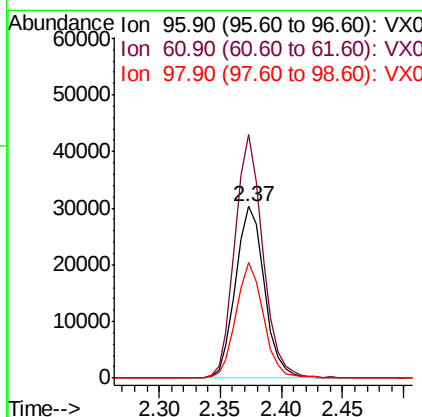
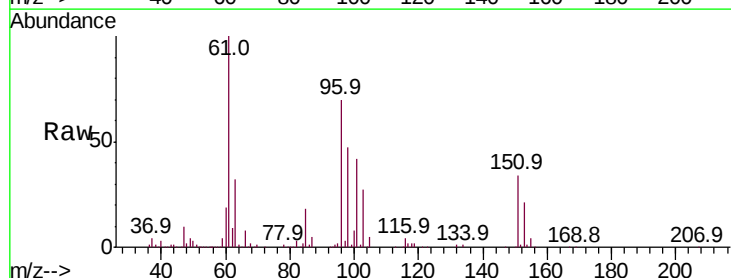
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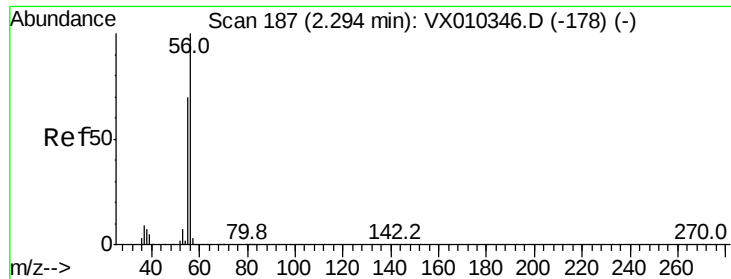
MMDadoda
6/20/2019 1:23:24 PM



#12
1,1-Dichloroethene
Concen: 18.658 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 96 Resp: 49497
Ion Ratio Lower Upper
96 100
61 141.8 109.2 163.8
98 67.4 51.1 76.7





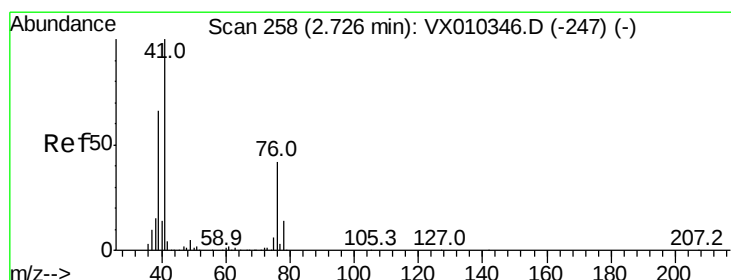
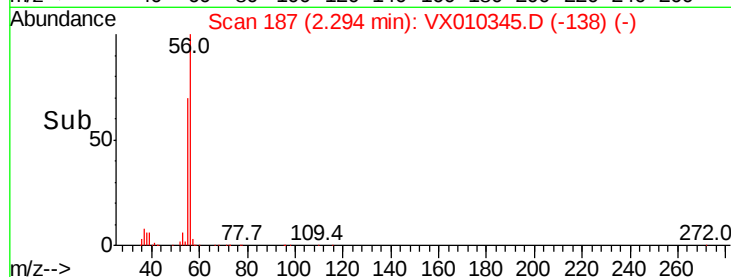
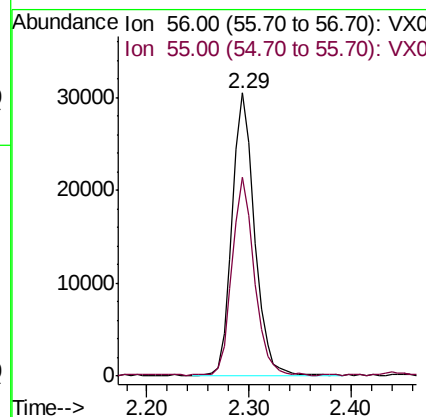
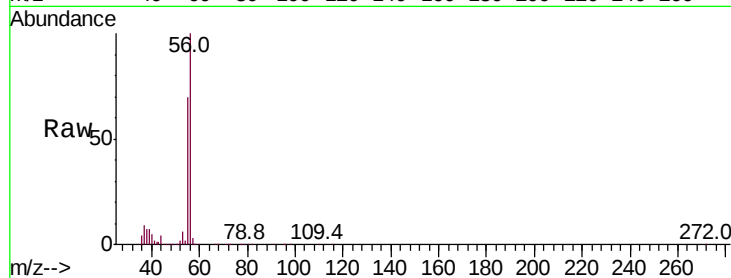
#13
Acrolein
Concen: 244.865 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.3	56.9	85.3

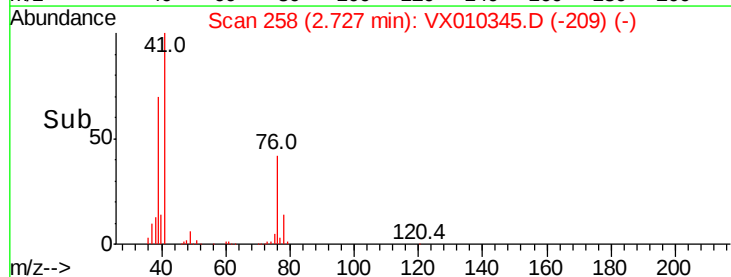
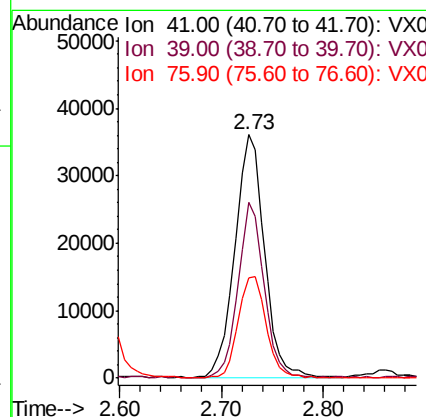
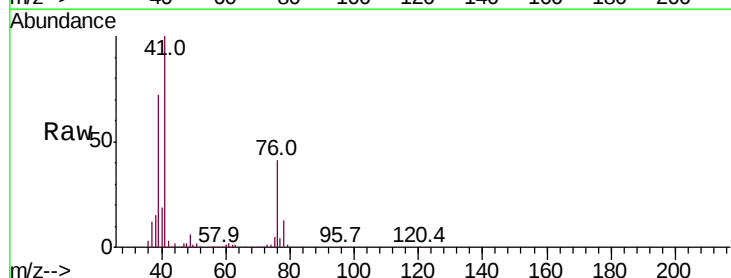
Manual Integrations
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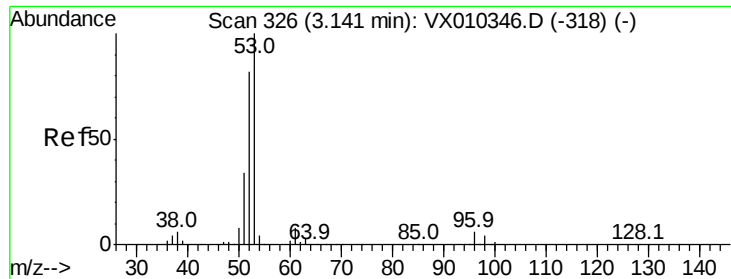
MMDadoda
6/20/2019 1:23:24 PM



#14
Allyl chloride
Concen: 18.038 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.8	50.3	75.5
76	39.9	31.3	46.9





#15

Acrylonitrile

Concen: 99.209 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

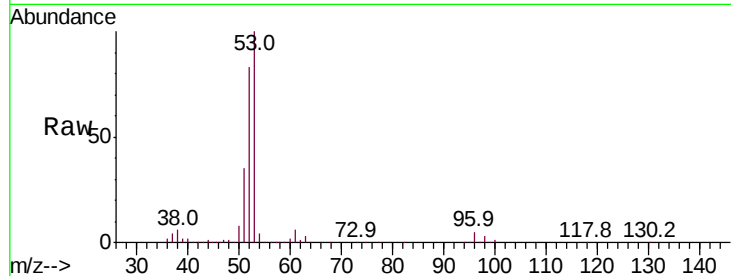
ClientSampleId :

VSTDIC020

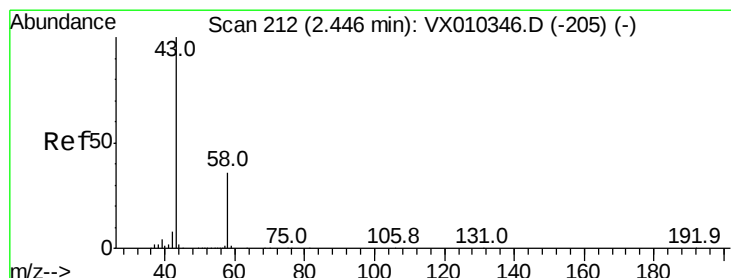
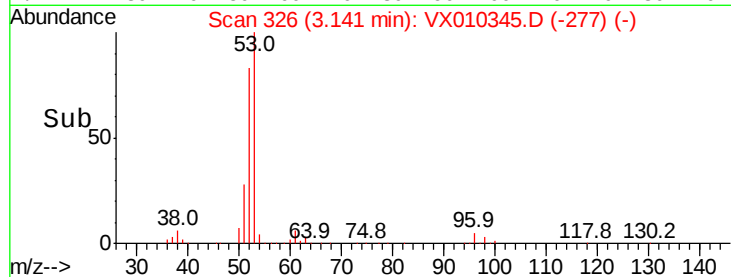
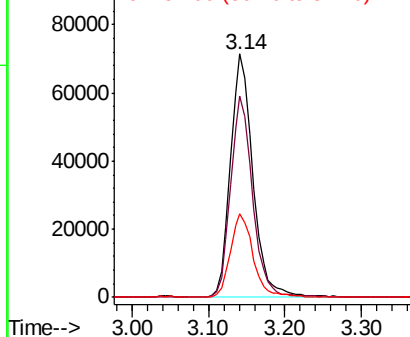
Tot Ion:	53	Resp:	143976
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	35.2	28.2	42.4

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 108.989 ug/l

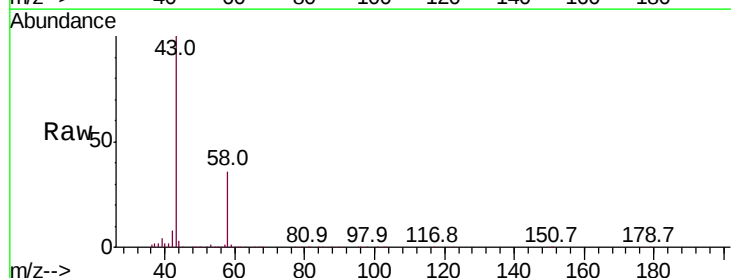
RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

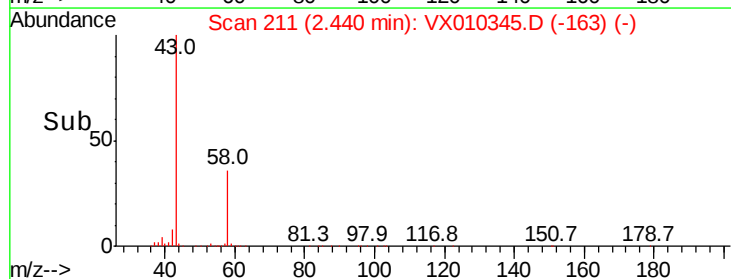
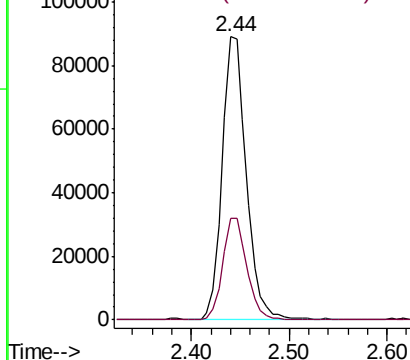
Lab File: VX010345.D

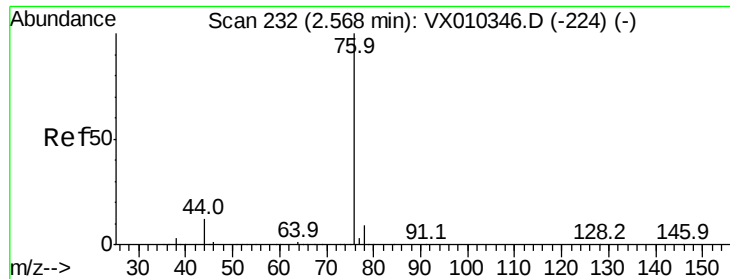
Acq: 19 Jun 2019 13:04

Tgt Ion:	43	Resp:	151015
Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





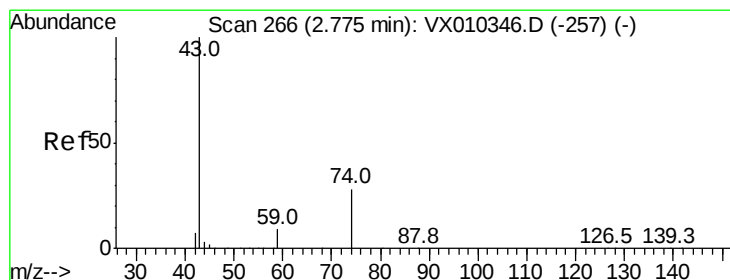
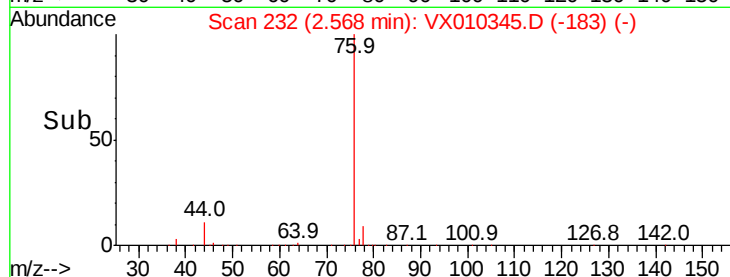
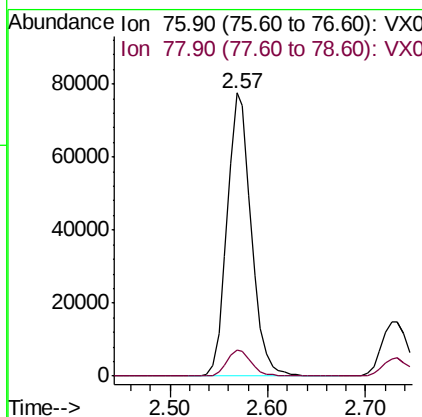
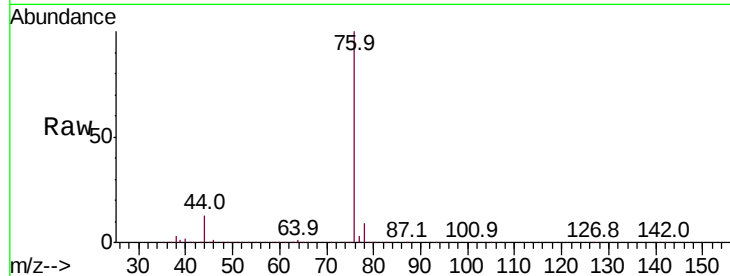
#17
Carbon Disulfide
Concen: 17.375 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

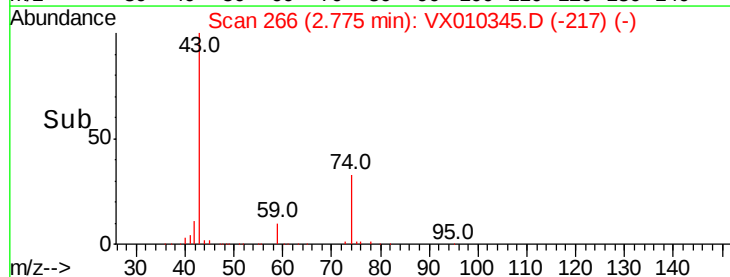
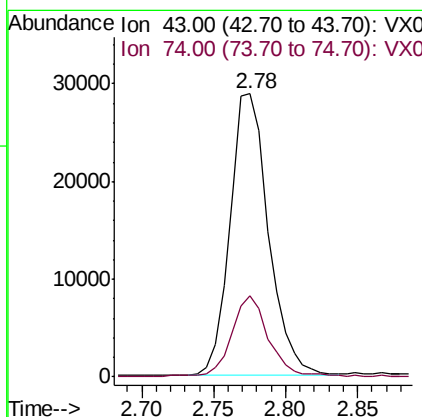
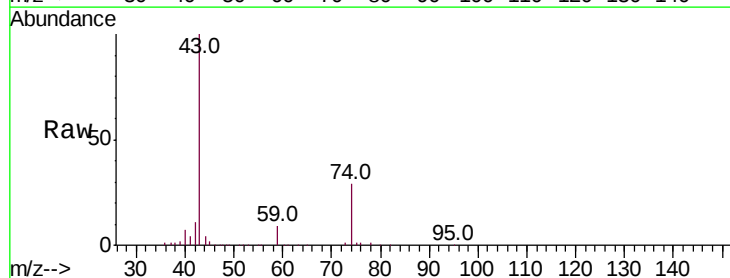
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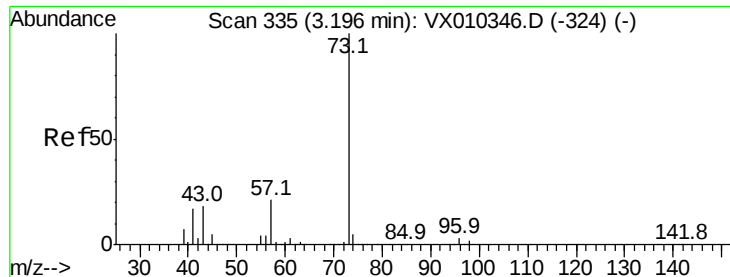
MMDadoda
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#18
Methyl Acetate
Concen: 18.187 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	21.3	31.9





#19

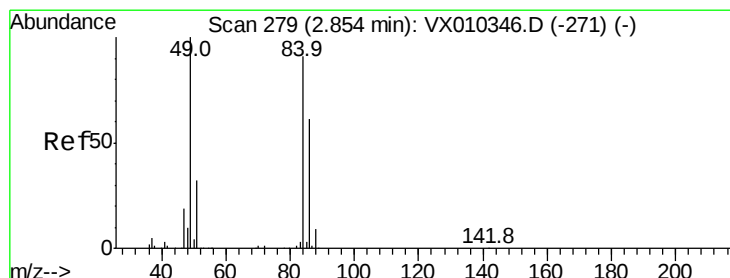
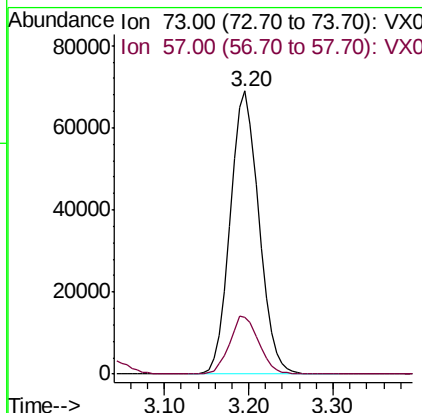
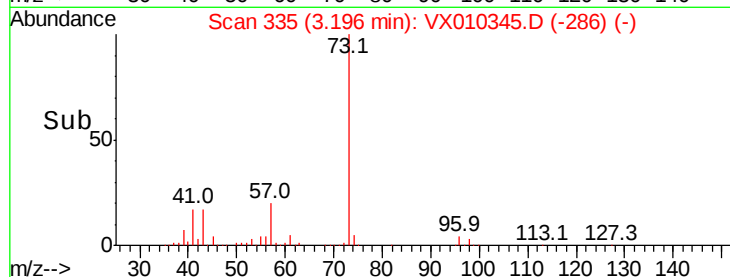
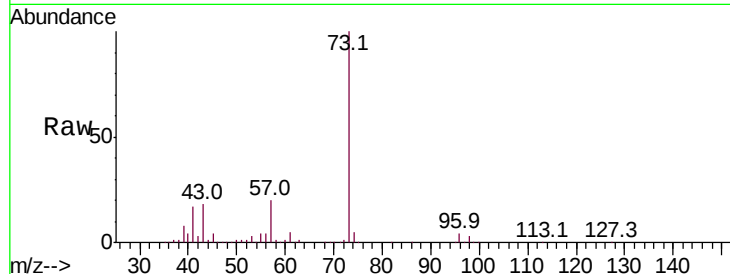
Methyl tert-butyl Ether
 Concen: 18.739 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.4	24.6

Manual Integrations
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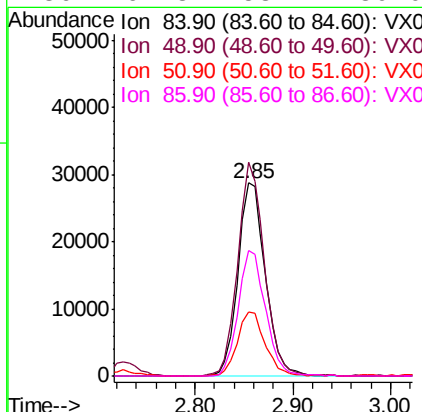
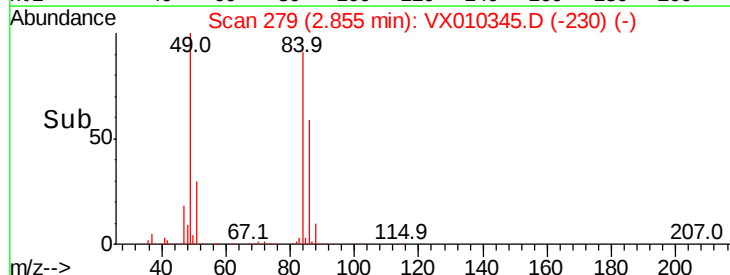
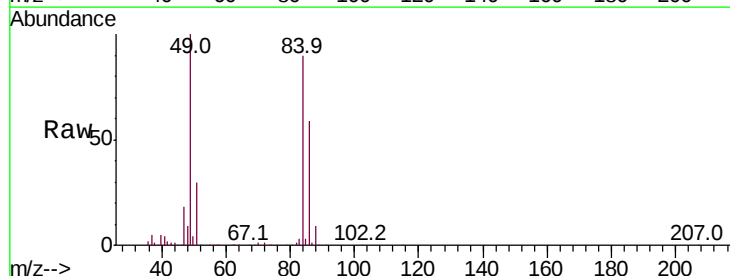
MMDadoda
 6/20/2019 1:23:24 PM

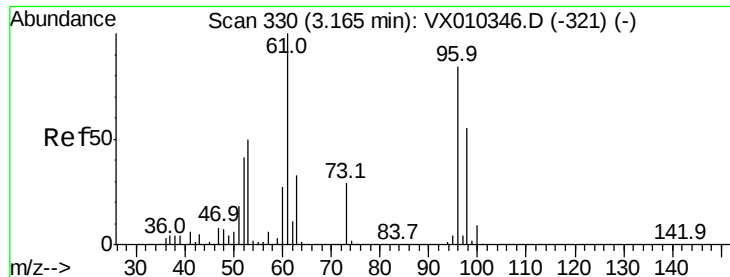


#20

Methylene Chloride
 Concen: 18.714 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.6	87.5	131.3
51	33.3	27.7	41.5
86	64.8	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 18.234 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

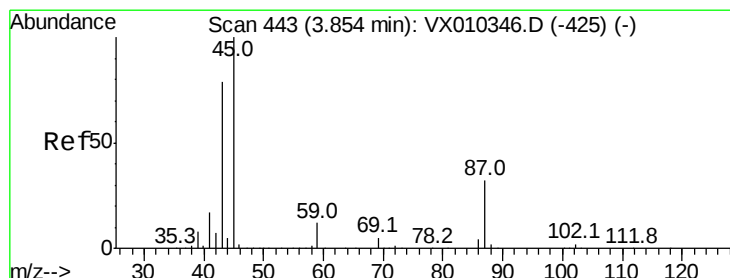
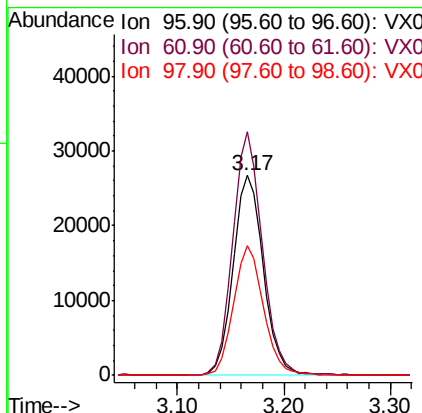
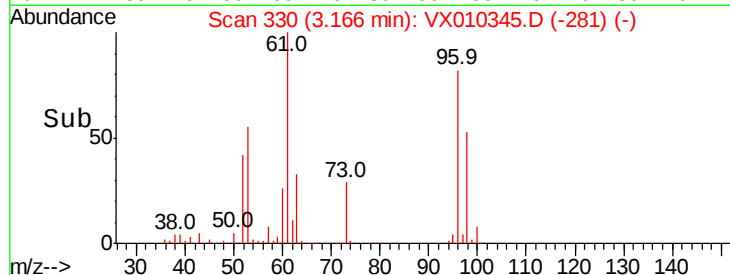
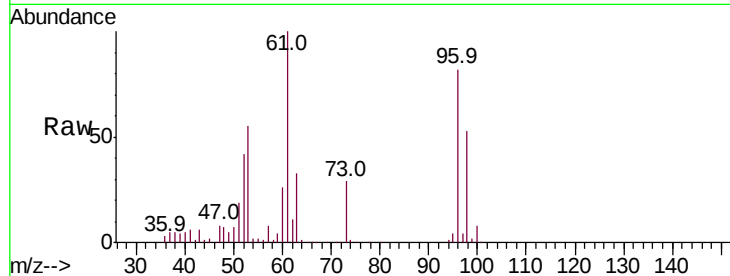
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	53440
Ion	Ratio	Lower	Upper
96	100		
61	121.6	95.6	143.4
98	64.8	52.5	78.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.587 ug/l

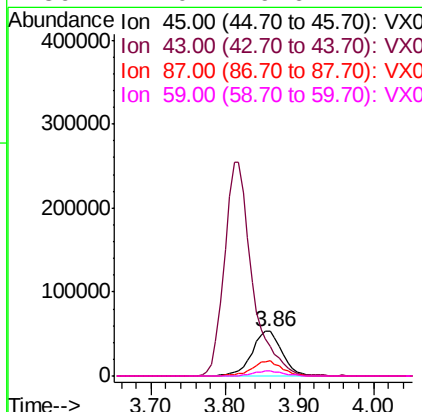
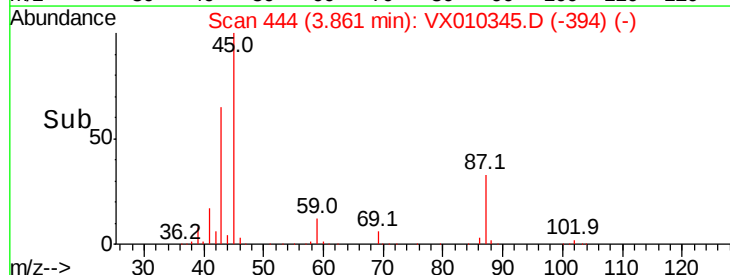
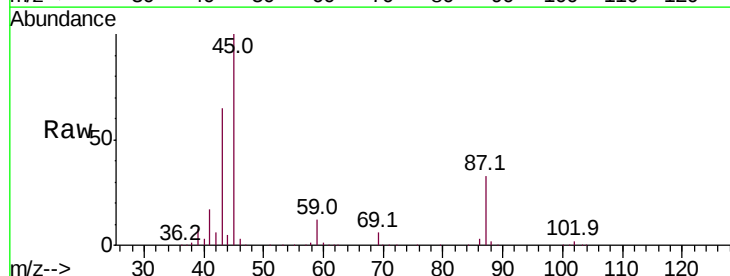
RT: 3.86 min Scan# 444

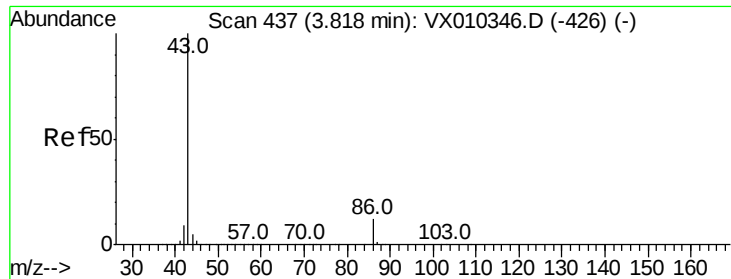
Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Tgt Ion:	45	Resp:	150149
Ion	Ratio	Lower	Upper
45	100		
43	64.8	63.3	94.9
87	33.1	25.8	38.8
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 97.040 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 663769

Ion Ratio Lower Upper

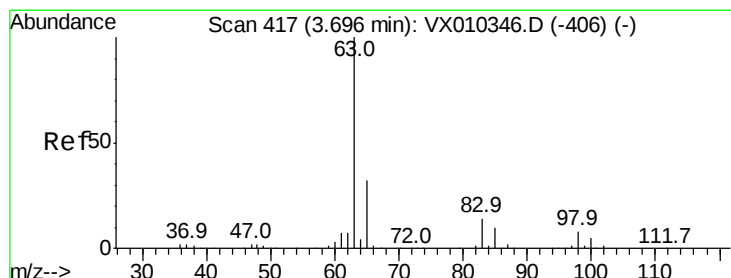
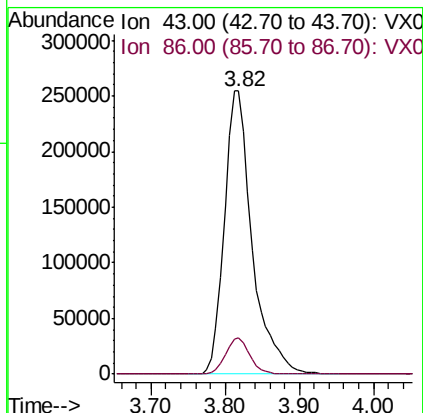
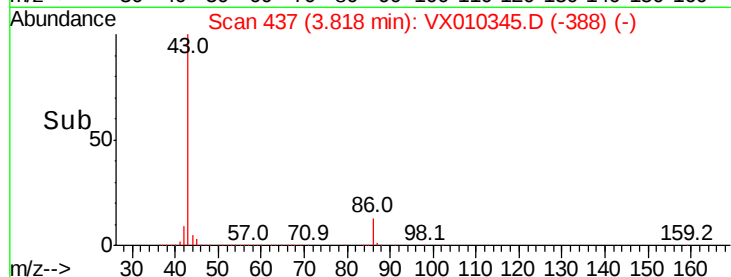
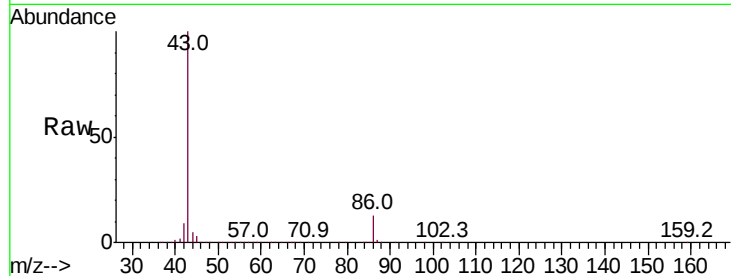
43 100

86 12.9 9.9 14.9

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 18.693 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

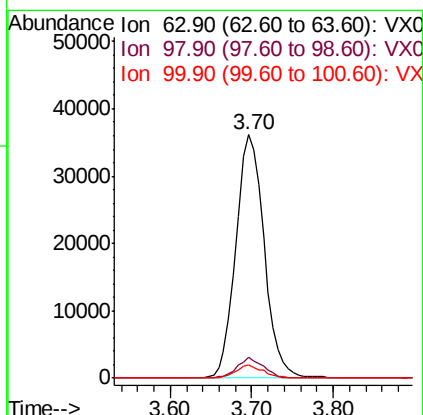
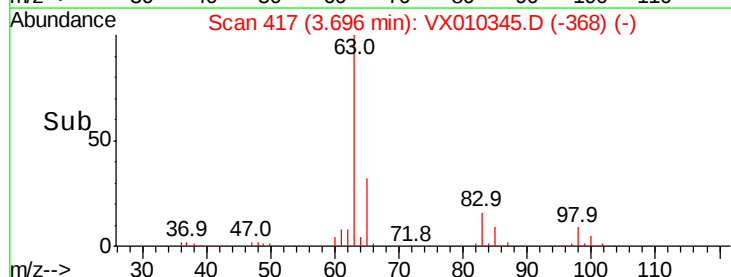
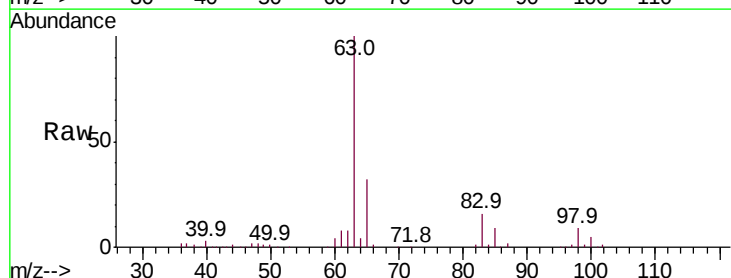
Tgt Ion: 63 Resp: 86887

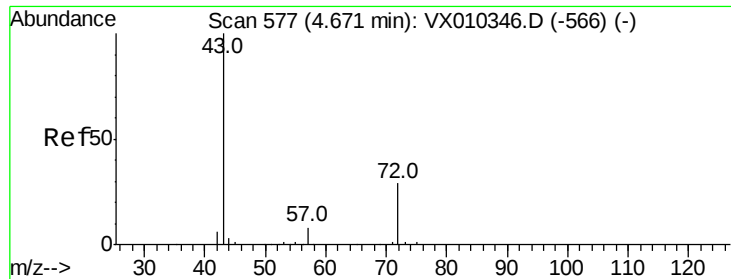
Ion Ratio Lower Upper

63 100

98 8.6 3.9 11.7

100 5.4 2.4 7.1





#25

2-Butanone

Concen: 103.916 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 212056

Ion Ratio Lower Upper

43 100

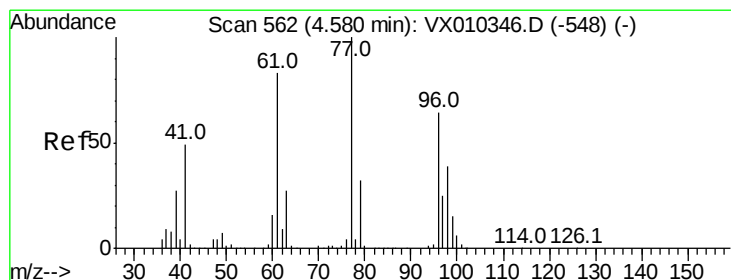
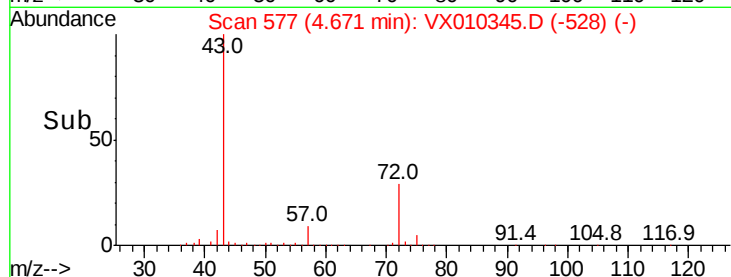
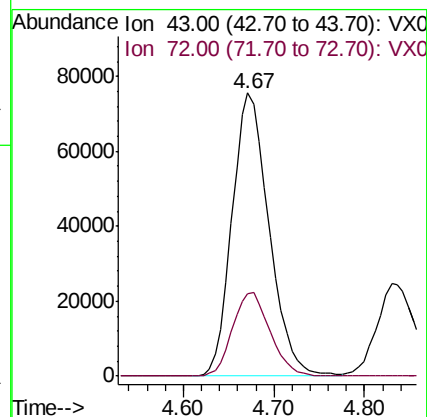
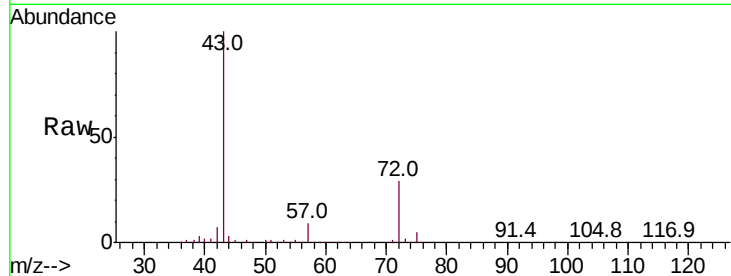
72 28.9 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.993 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010345.D

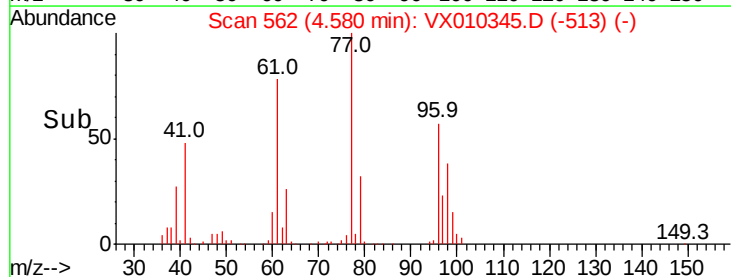
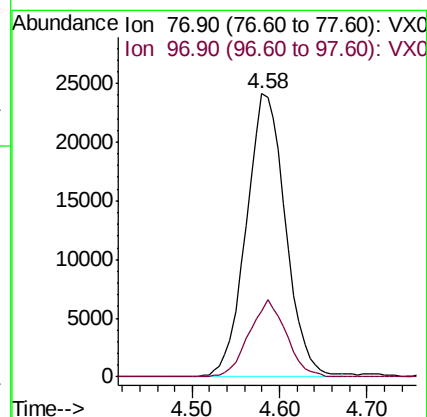
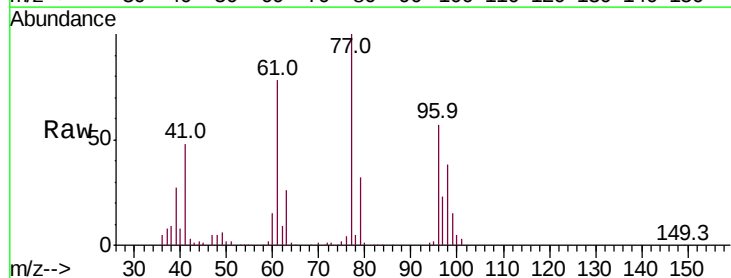
Acq: 19 Jun 2019 13:04

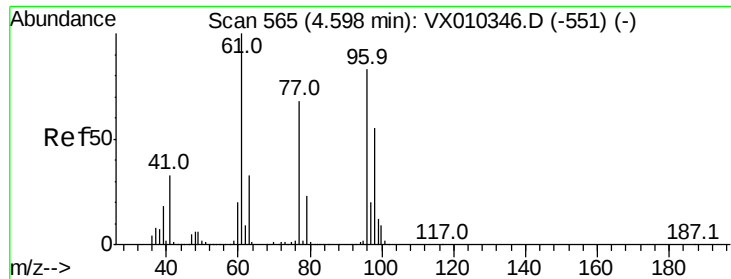
Tgt Ion: 77 Resp: 75495

Ion Ratio Lower Upper

77 100

97 25.9 13.1 39.3





#27

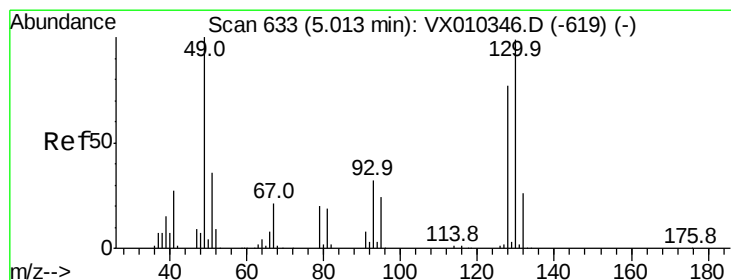
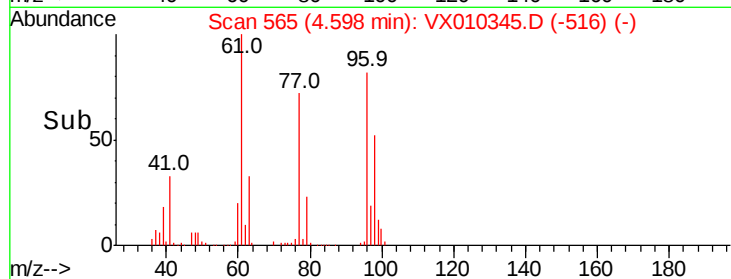
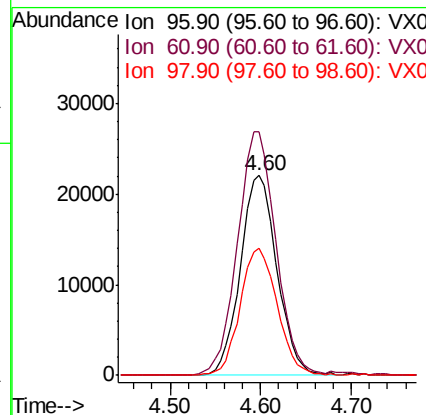
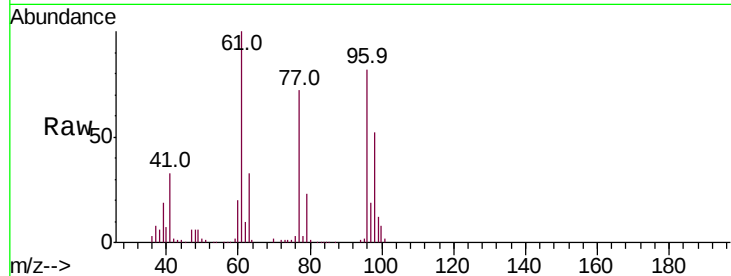
cis-1,2-Dichloroethene
 Concen: 18.922 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	251.8
98	64.2	0.0	129.4

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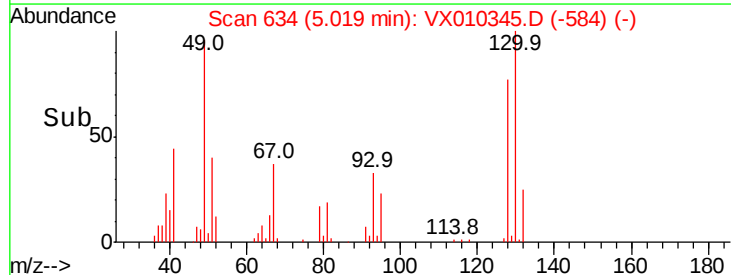
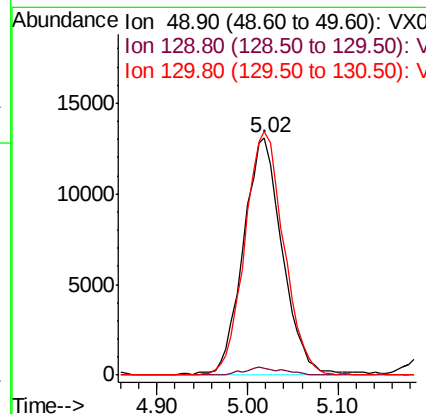
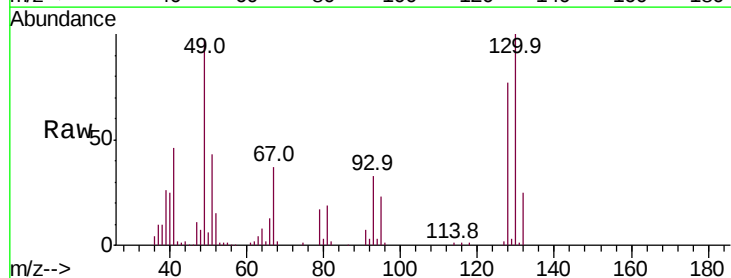
MMDadoda
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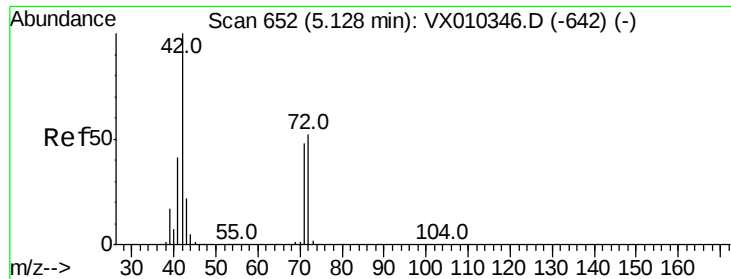


#28

Bromochloromethane
 Concen: 18.596 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	102.6	81.4	122.0





#29

Tetrahydrofuran

Concen: 96.176 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

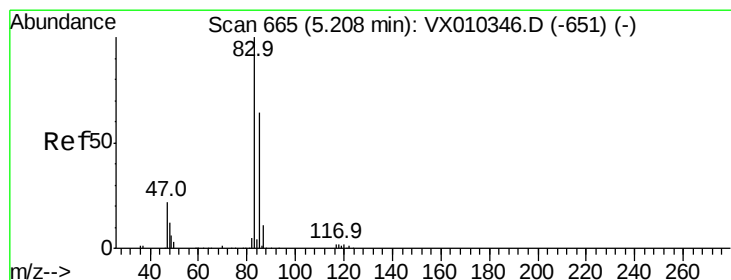
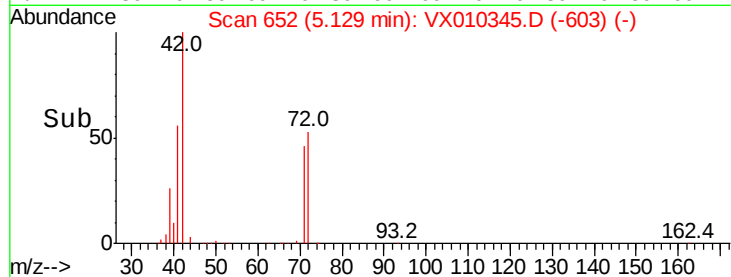
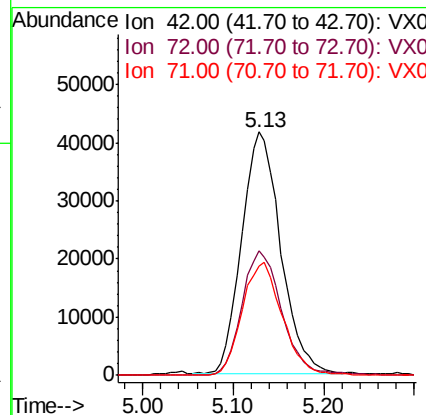
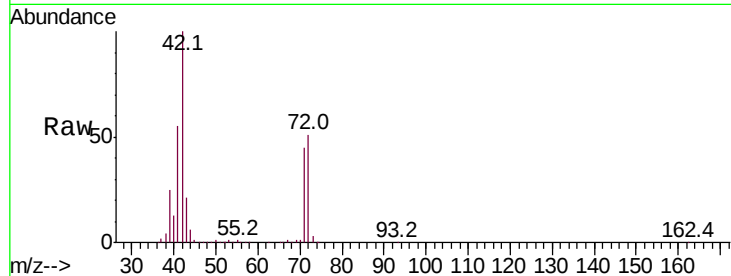
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	122872
Ion Ratio	Lower	Upper	
42	100		
72	53.4	40.6	60.8
71	48.4	37.8	56.8

Manual Integrations
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#30

Chloroform

Concen: 19.059 ug/l

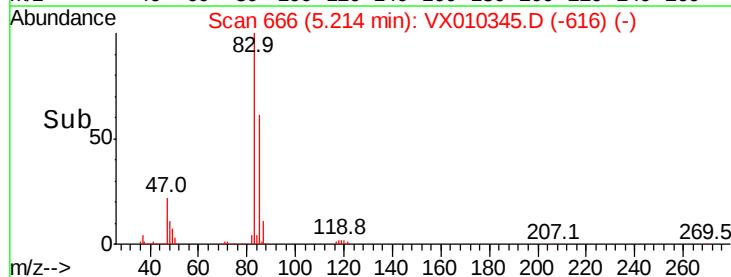
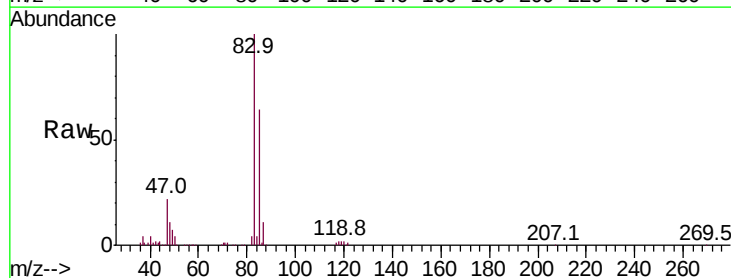
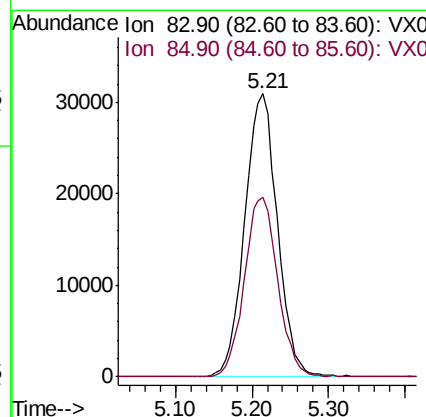
RT: 5.21 min Scan# 666

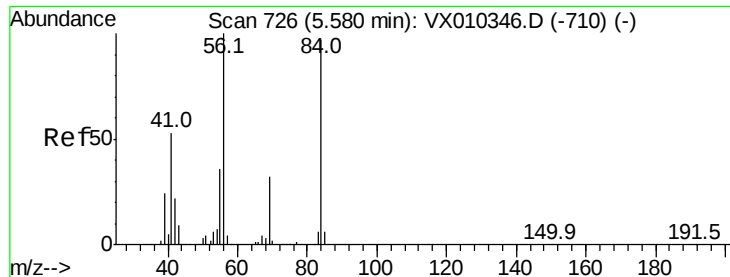
Delta R.T. 0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Tgt Ion:	83	Resp:	92039
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.9	76.3





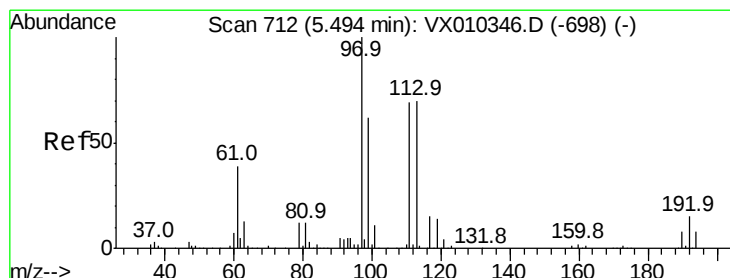
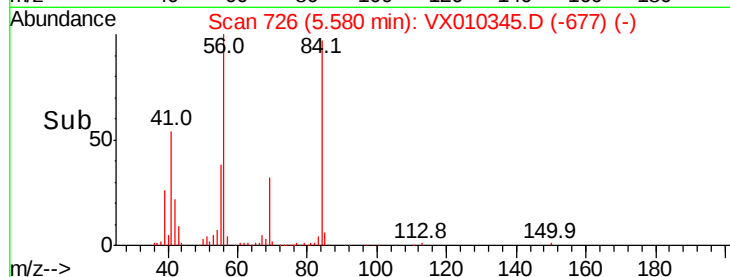
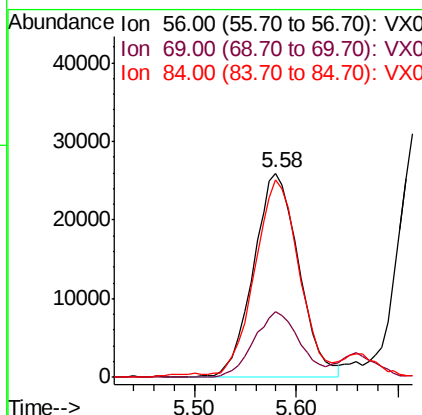
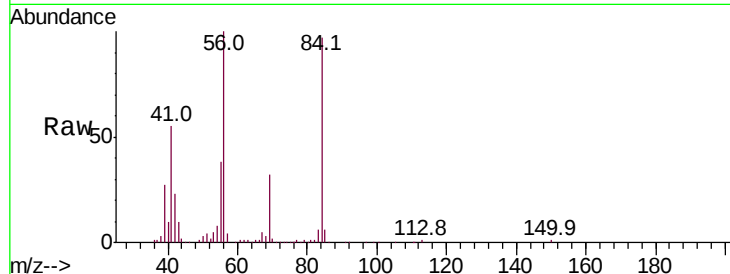
#31
Cyclohexane
Concen: 19.028 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.9	38.9
84	94.9	78.0	117.0

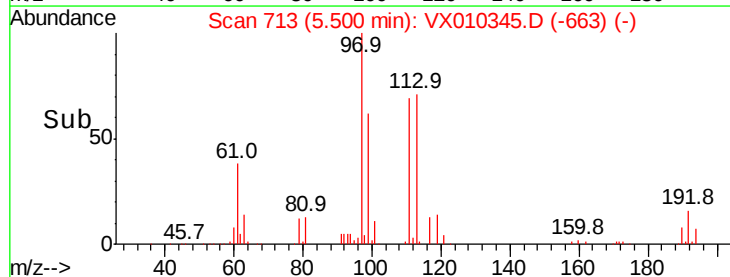
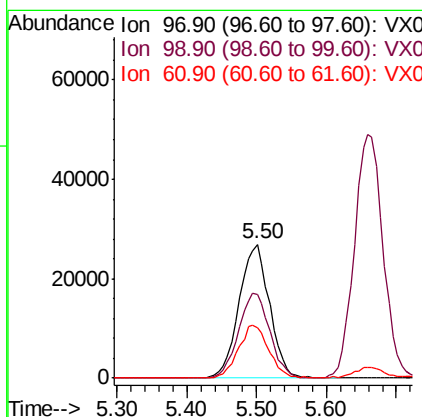
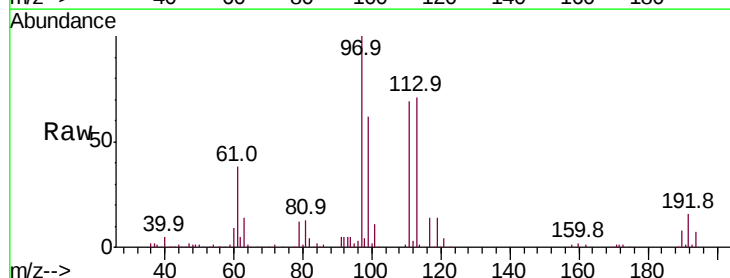
Manual Integrations
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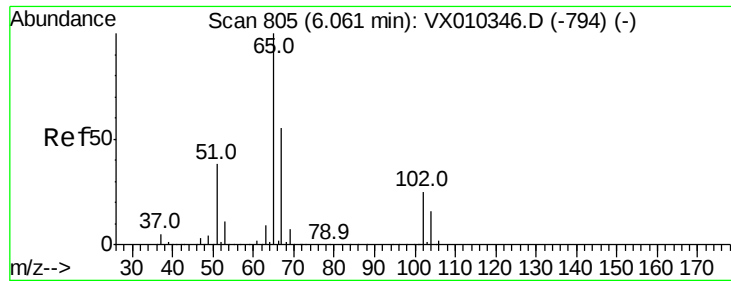
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.999 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	39.8	32.1	48.1





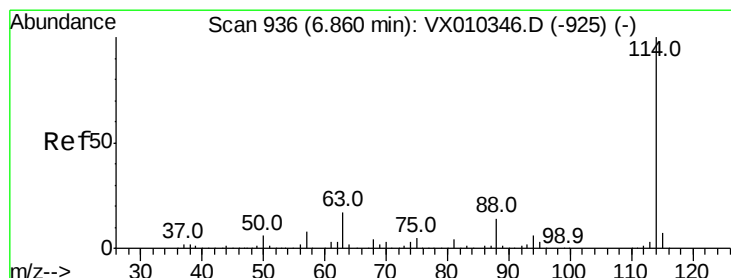
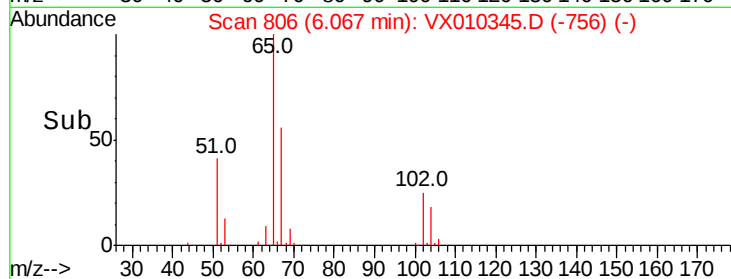
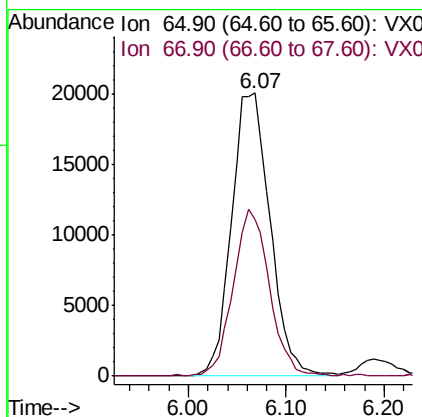
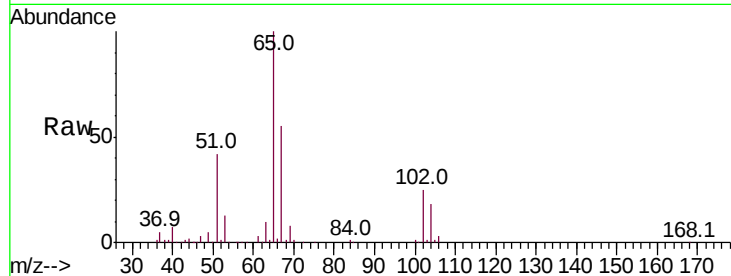
#33
 1,2-Dichloroethane-d4
 Concen: 19.030 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 54996
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.2

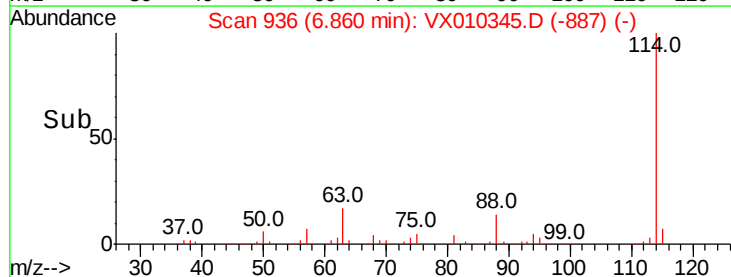
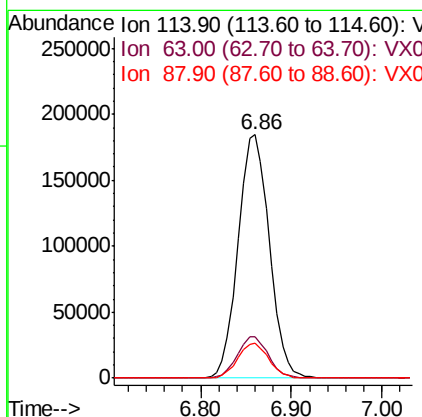
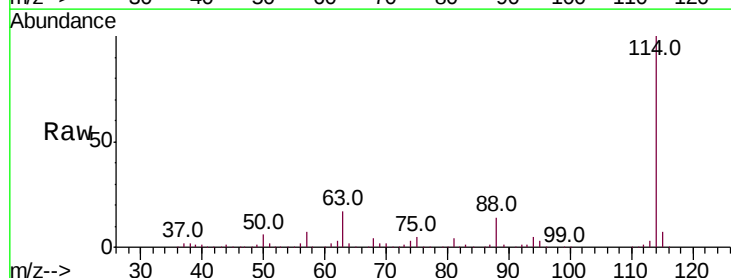
Manual Integrations
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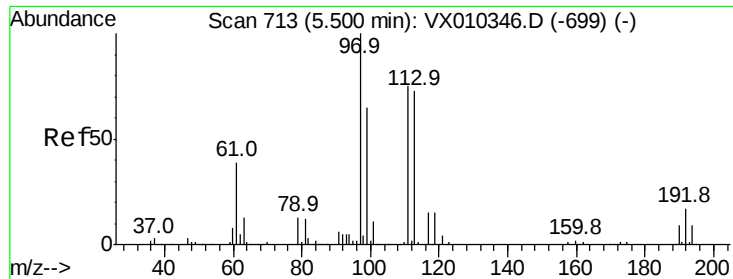
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion: 114 Resp: 441484
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 33.8
 88 14.4 0.0 27.6





#35

Dibromofluoromethane

Concen: 19.604 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

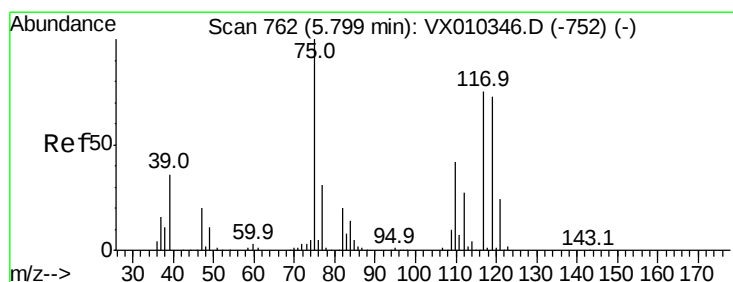
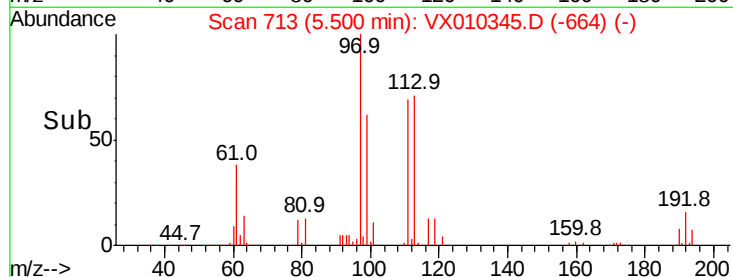
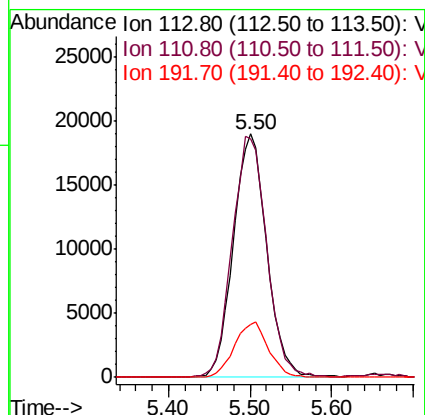
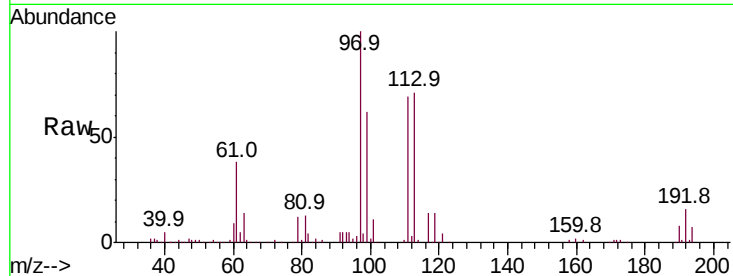
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	53720
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.2	121.8
192	23.0	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.412 ug/l

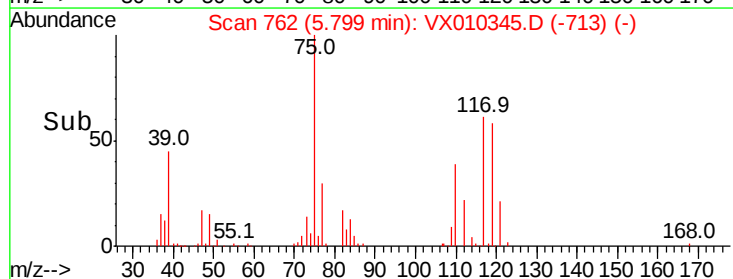
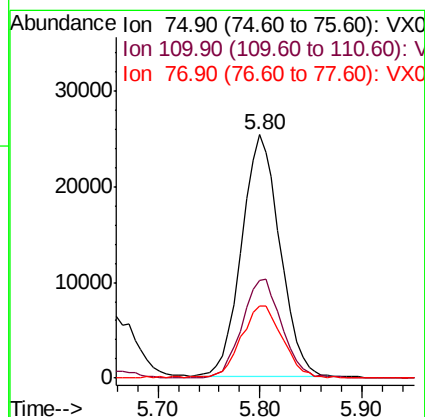
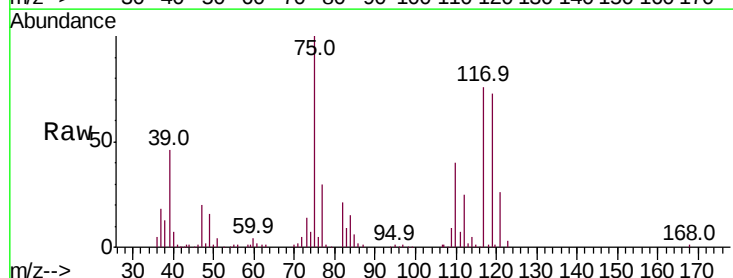
RT: 5.80 min Scan# 762

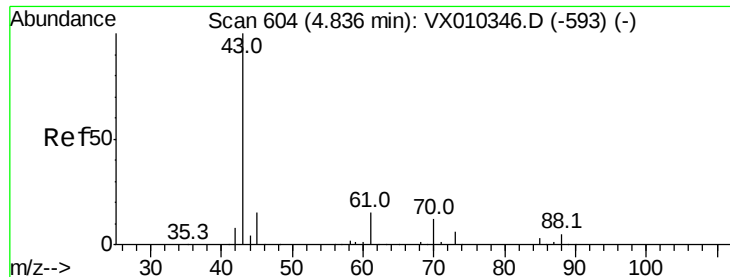
Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Tgt Ion:	75	Resp:	66232
Ion	Ratio	Lower	Upper
75	100		
110	42.4	20.8	62.2
77	32.3	25.4	38.0





#37

Ethyl Acetate

Concen: 19.164 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 72056

Ion Ratio Lower Upper

43 100

61 16.7 12.4 18.6

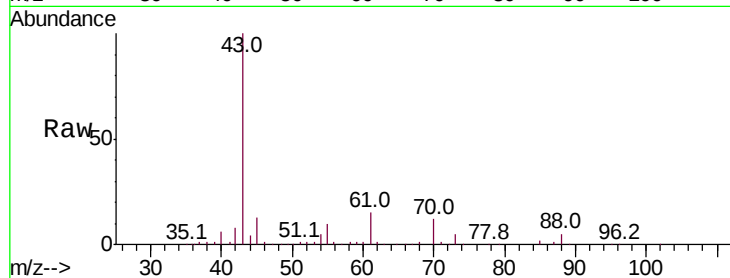
70 13.2 9.8 14.8

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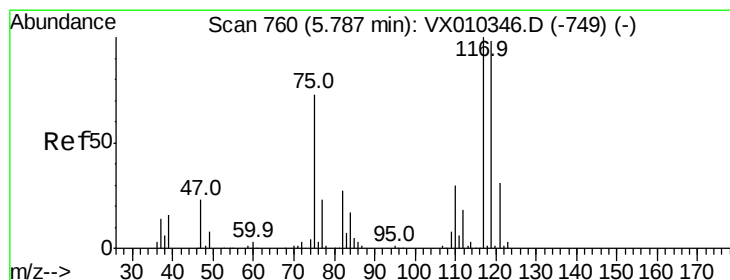
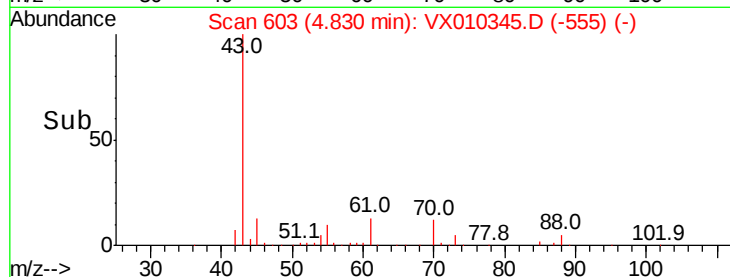
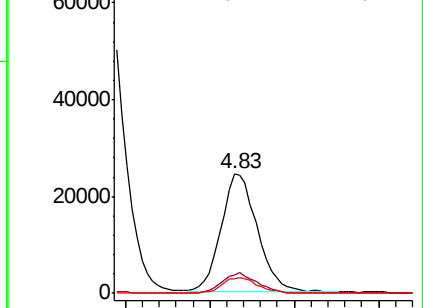
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 18.325 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

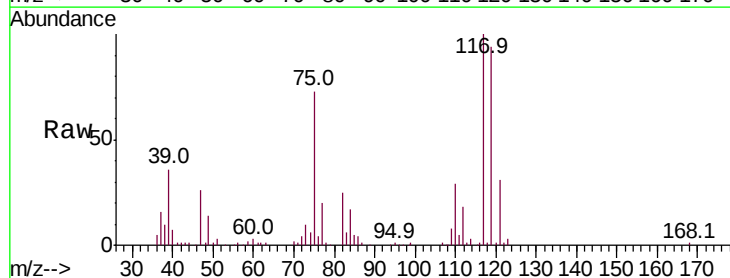
Tgt Ion: 117 Resp: 74471

Ion Ratio Lower Upper

117 100

119 93.5 78.2 117.4

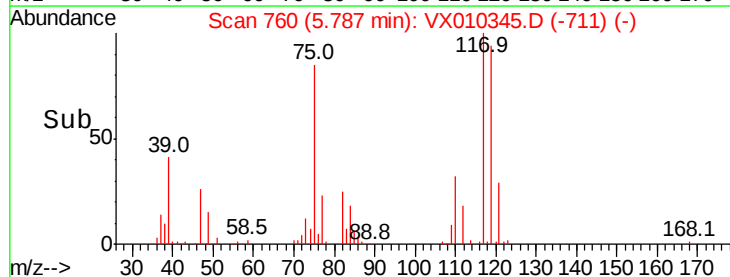
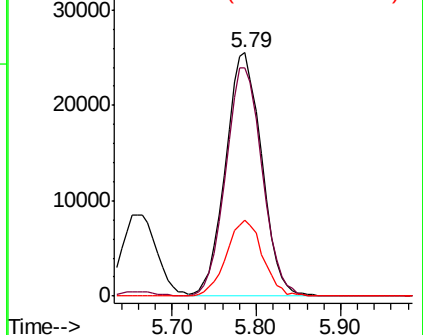
121 31.3 24.7 37.1

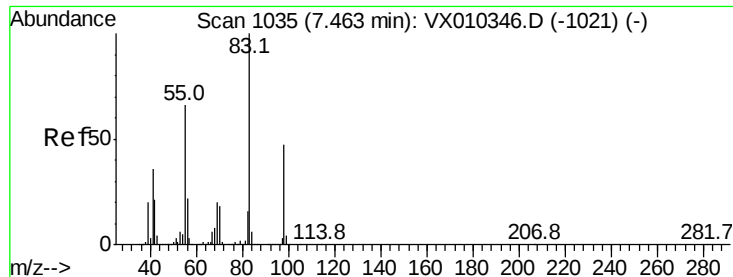


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





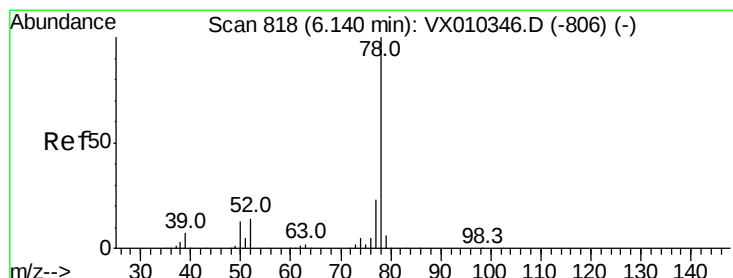
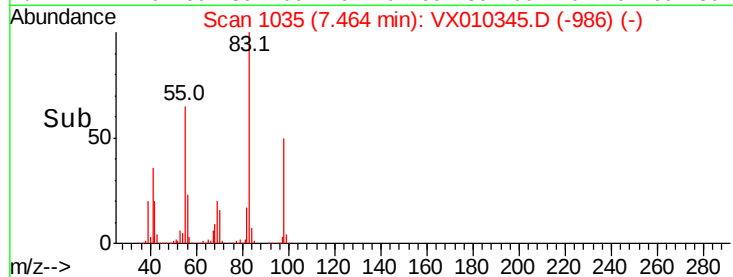
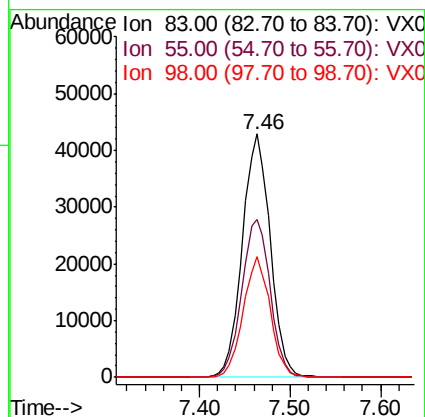
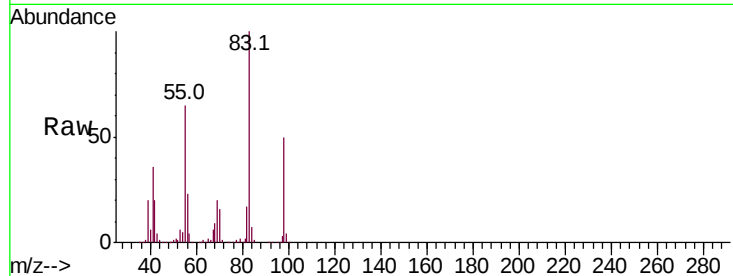
#39
Methvlcvclohexane
Concen: 18.790 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.7	53.0	79.6
98	49.7	37.8	56.8

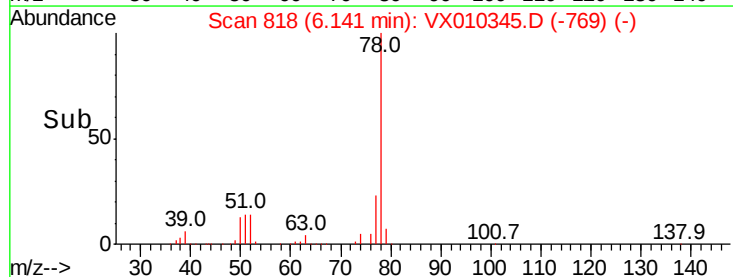
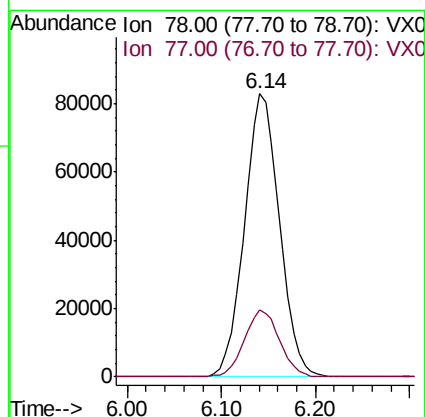
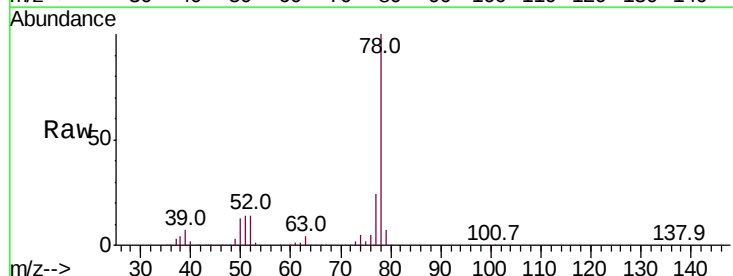
Manual Integrations
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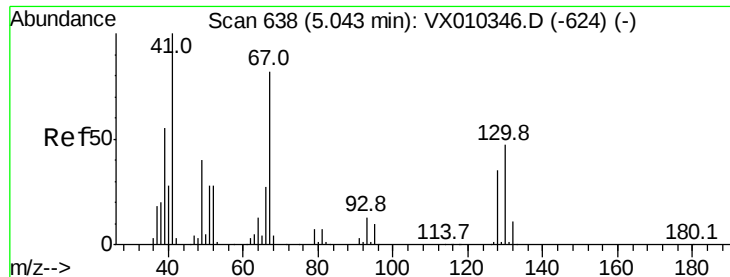
MMDadoda
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#40
Benzene
Concen: 19.375 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





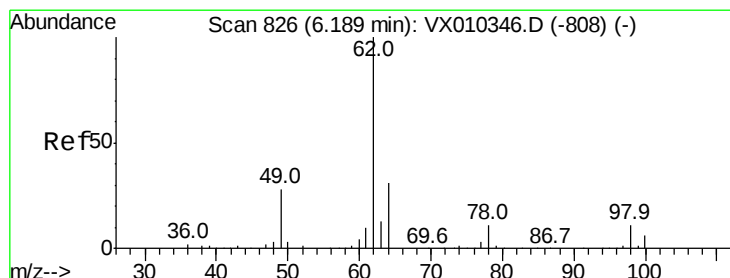
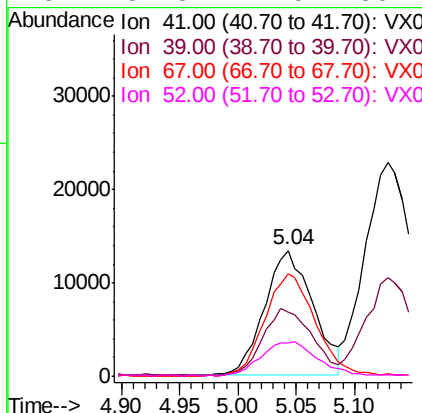
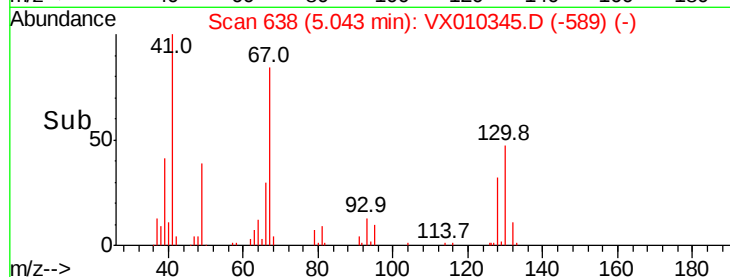
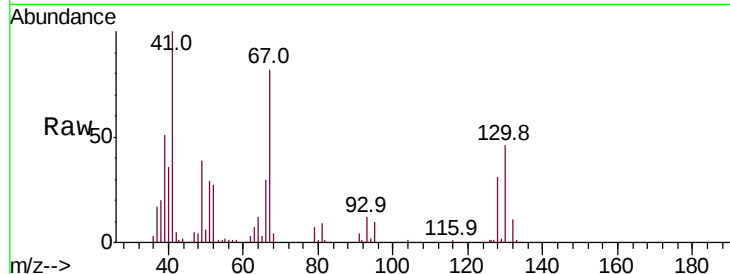
#41
Methacrylonitrile
Concen: 19.102 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	43.8	65.8	
67	85.8	66.6	100.0	
52	32.3	24.5	36.7	

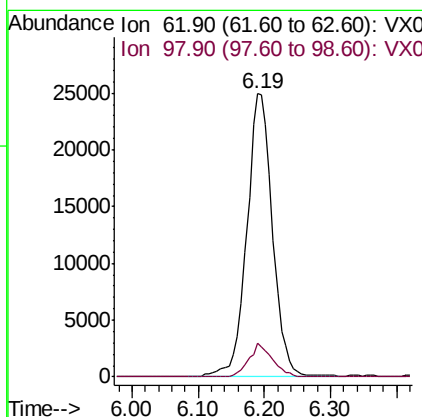
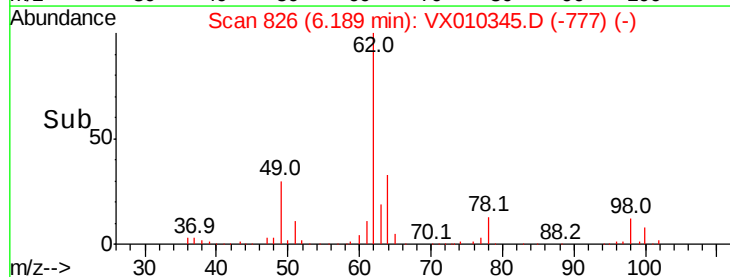
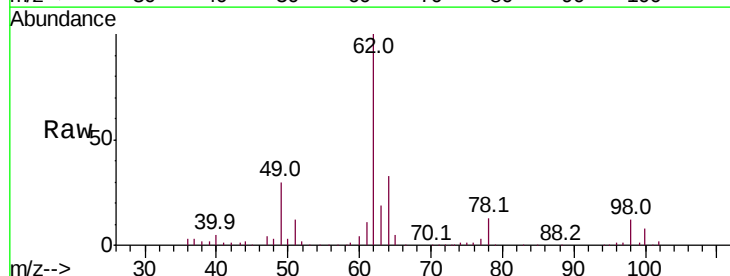
Manual Integrations
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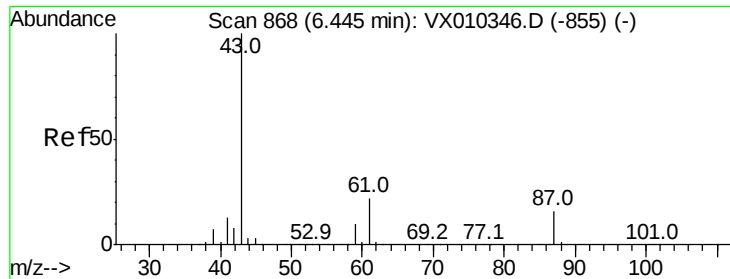
MMDadoda
6/20/2019 1:23:24 PM



#42
1,2-Dichloroethane
Concen: 19.132 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	22.2	





#43

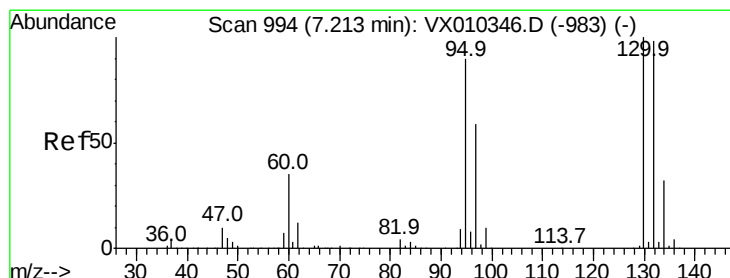
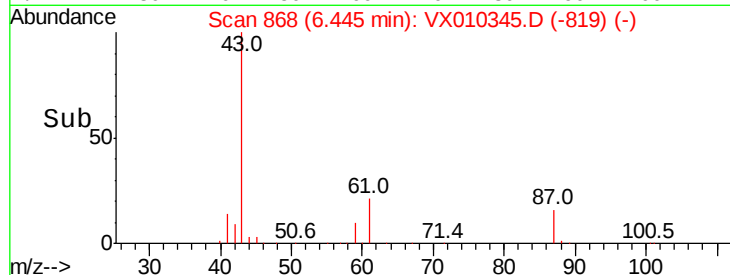
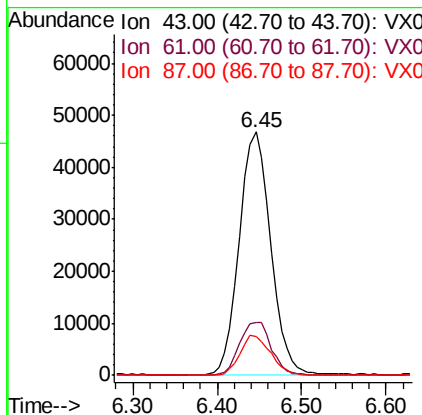
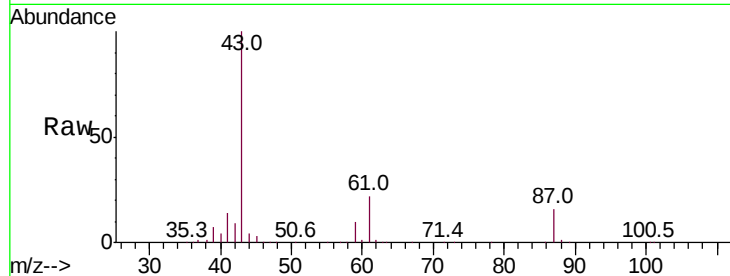
Isopropyl Acetate
 Concen: 18.802 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.8	26.6
87	16.3	13.0	19.4

Manual Integrations
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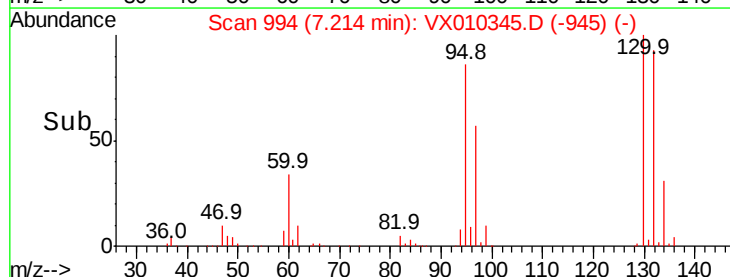
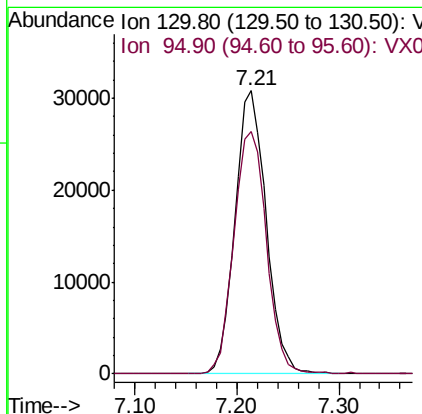
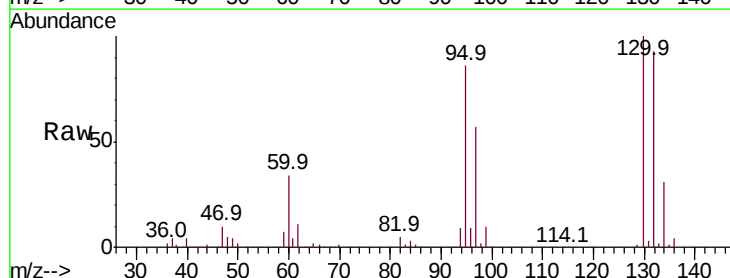
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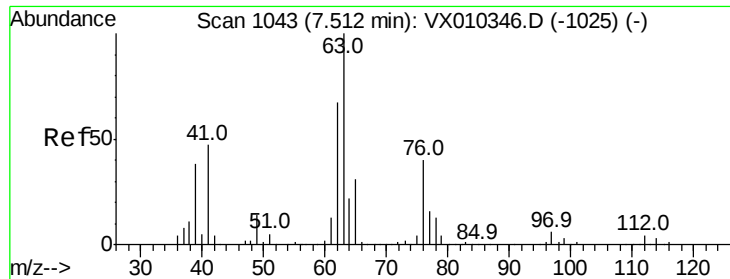


#44

Trichloroethene
 Concen: 19.365 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.7	0.0	180.8





#45

1,2-Dichloropropane

Concen: 19.068 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 53205

Ion Ratio Lower Upper

63 100

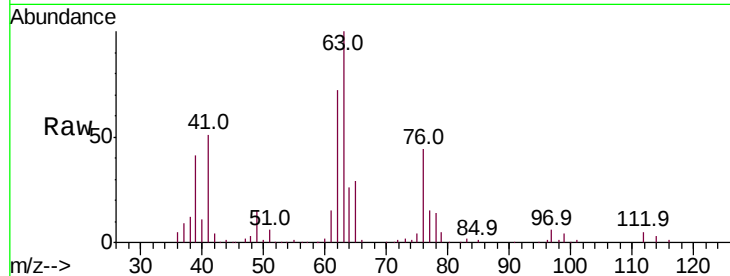
65 28.7 24.8 37.2

Manual Integrations

APPROVED

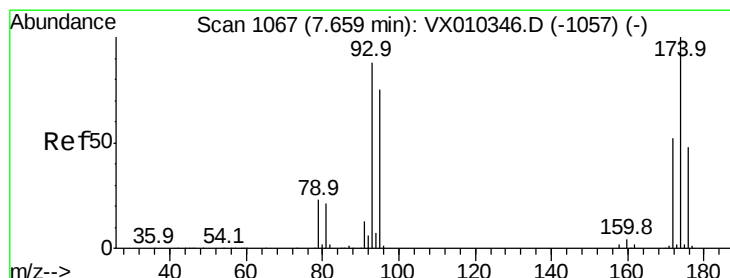
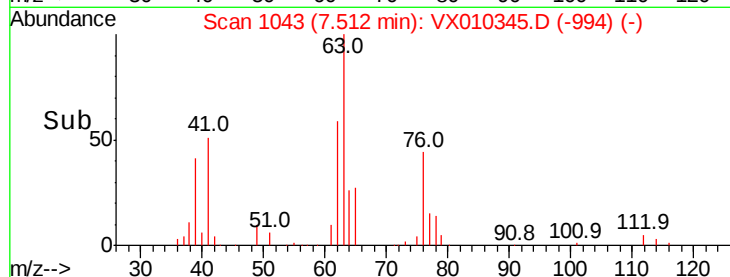
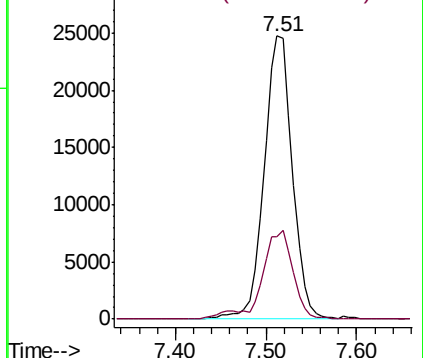
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.744 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

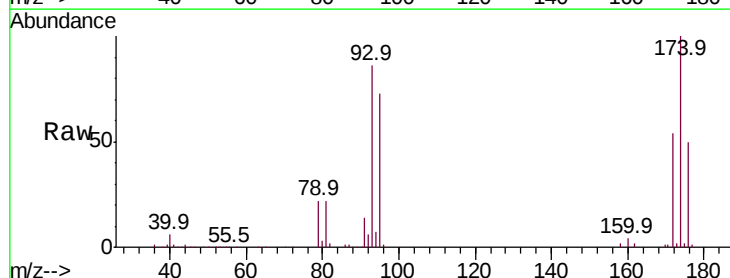
Tgt Ion: 93 Resp: 39215

Ion Ratio Lower Upper

93 100

95 84.2 67.5 101.3

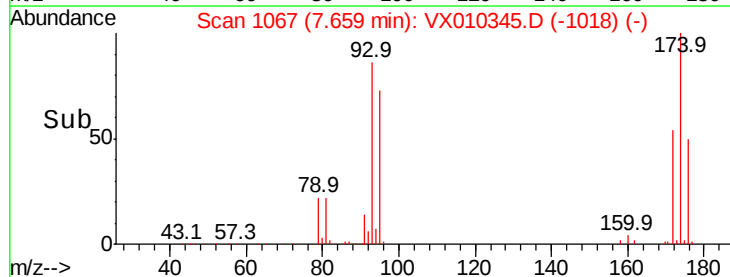
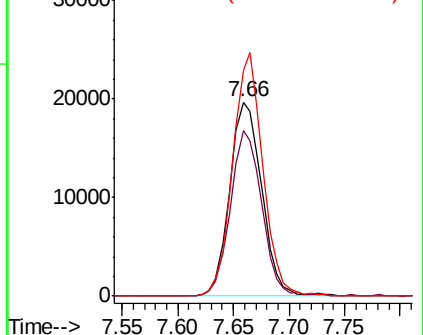
174 118.5 95.8 143.6

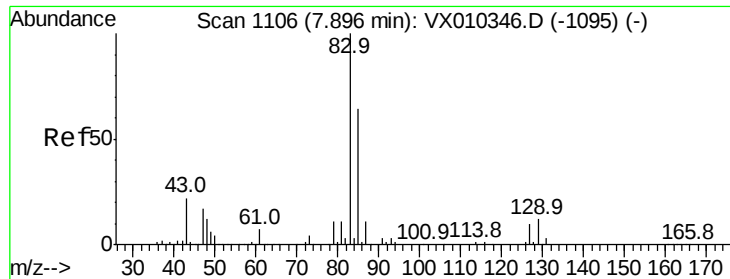


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.116 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

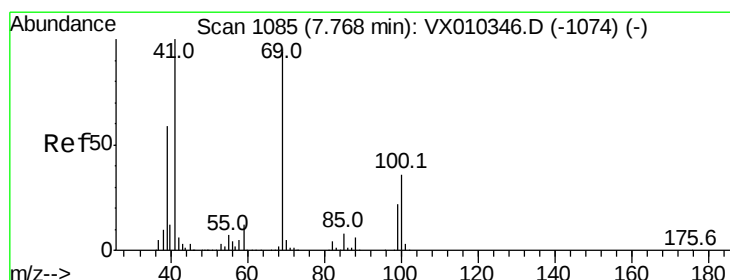
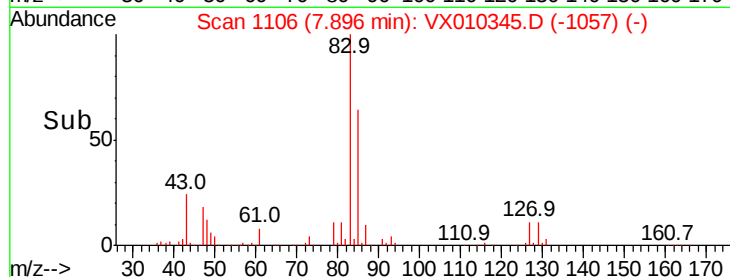
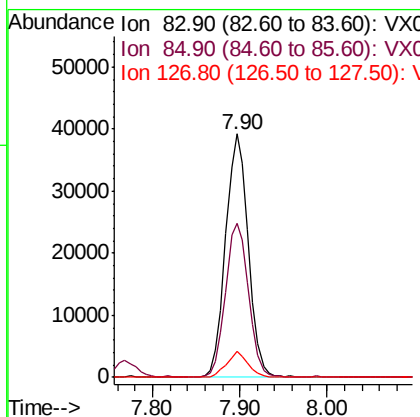
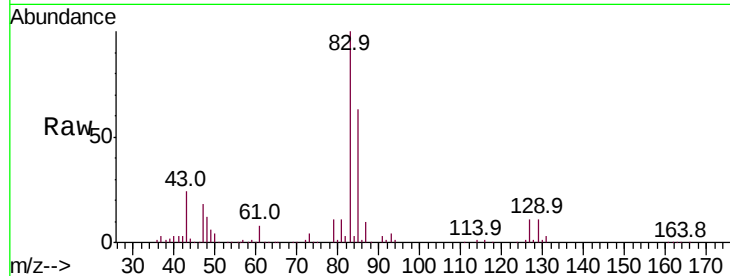
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	70366
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.5	77.3
127	10.7	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.088 ug/l

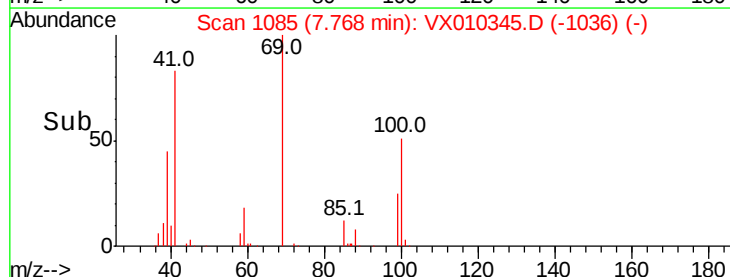
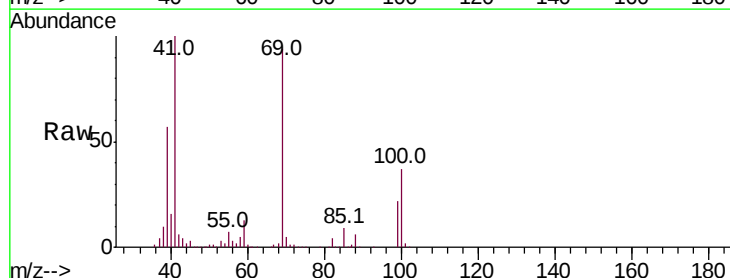
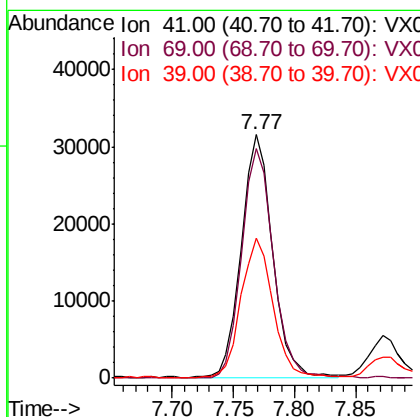
RT: 7.77 min Scan# 1085

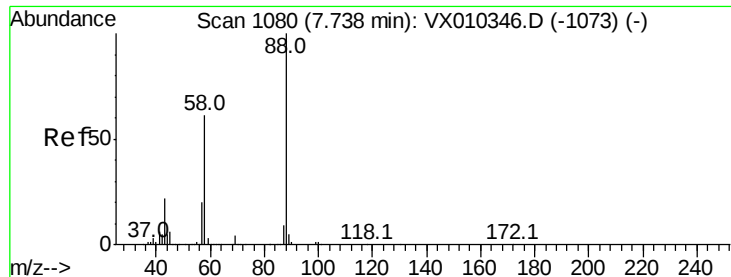
Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Tgt Ion:	41	Resp:	55687
Ion Ratio	Lower	Upper	
41	100		
69	96.4	76.1	114.1
39	58.5	47.6	71.4





#49

1,4-Dioxane

Concen: 392.495 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

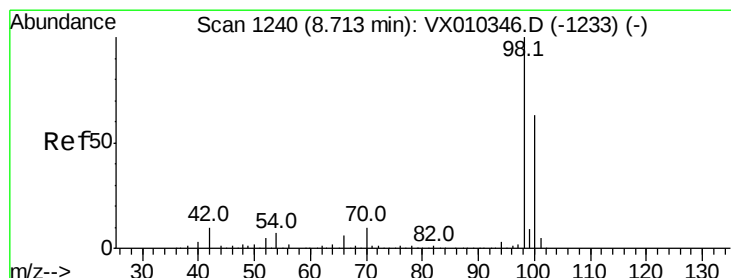
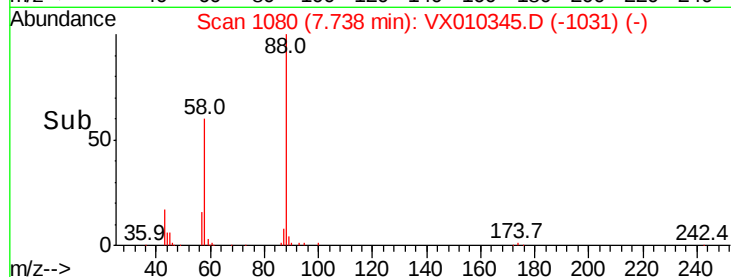
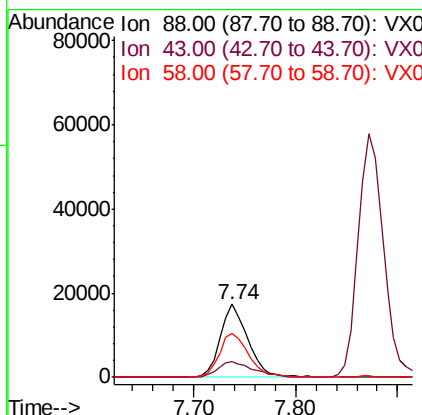
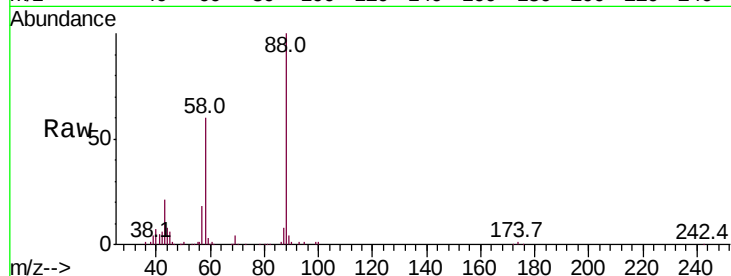
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	32759
Ion	Ratio	Lower	Upper
88	100		
43	26.3	20.2	30.2
58	65.0	49.5	74.3

Manual Integrations
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#50

Toluene-d8

Concen: 19.813 ug/l

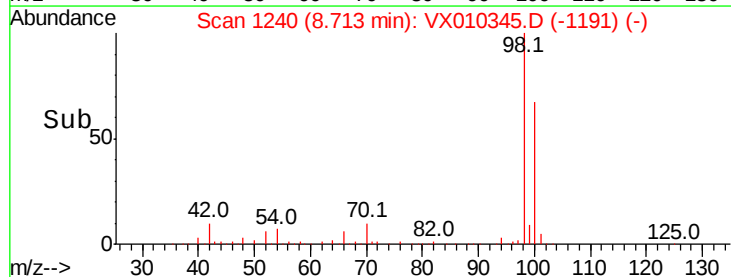
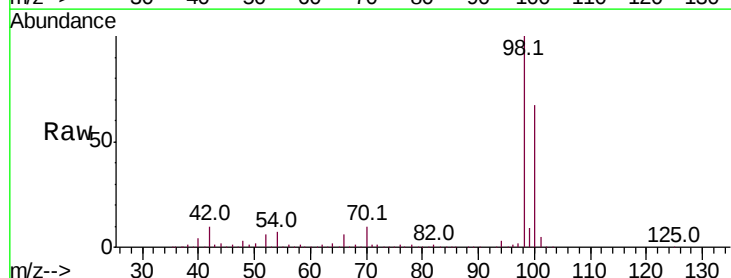
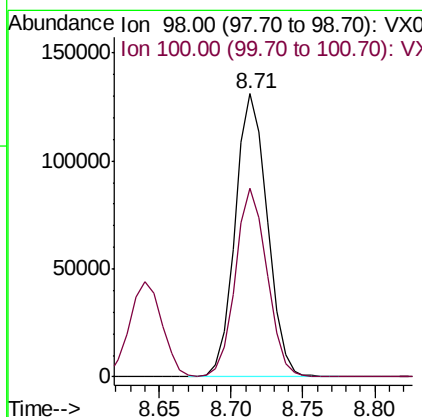
RT: 8.71 min Scan# 1240

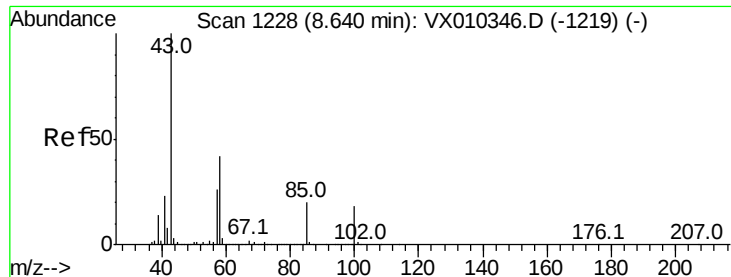
Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Tgt Ion:	98	Resp:	203846
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 102.321 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 384618

Ion Ratio Lower Upper

43 100

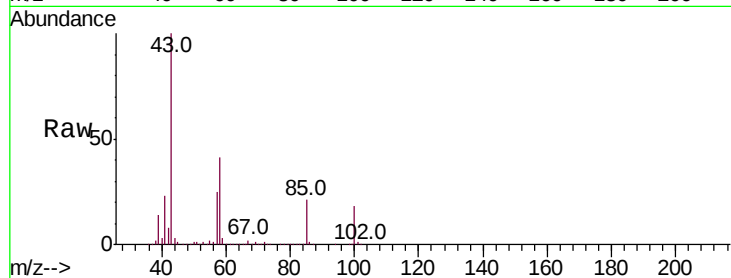
58 41.1 33.5 50.3

Manual Integrations

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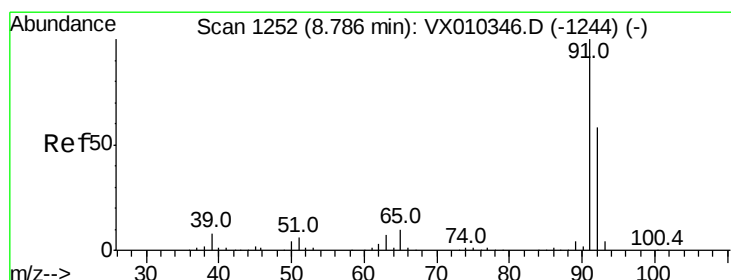
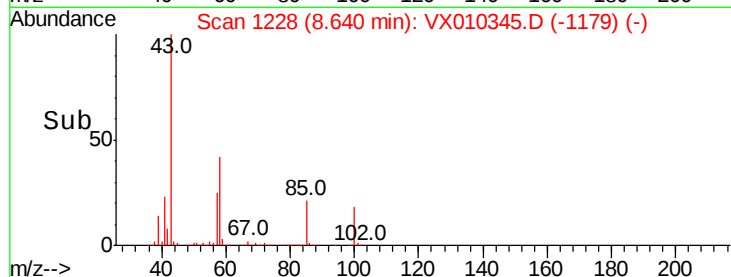
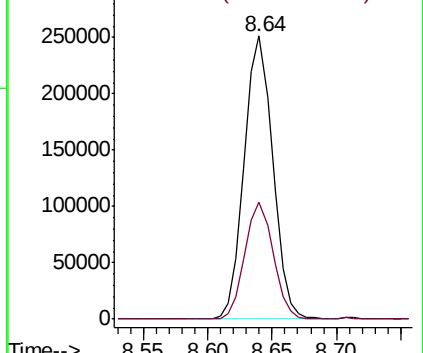
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.234 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010345.D

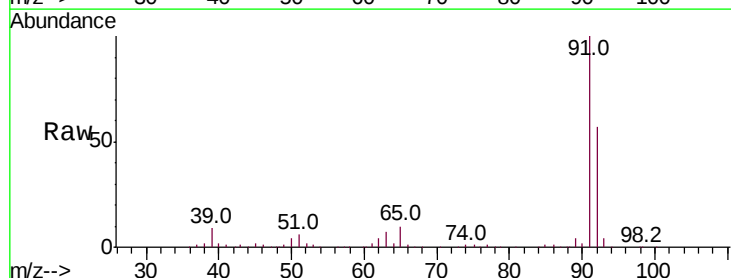
Acq: 19 Jun 2019 13:04

Tgt Ion: 92 Resp: 141352

Ion Ratio Lower Upper

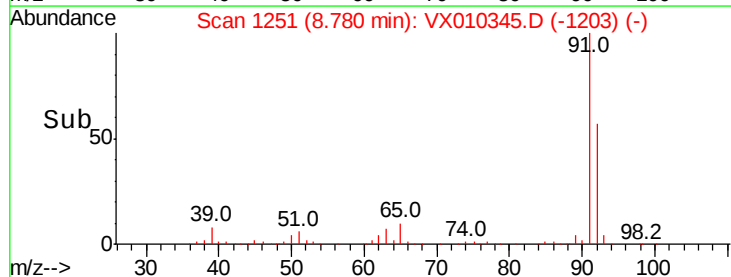
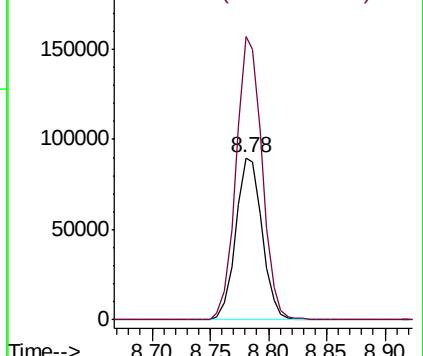
92 100

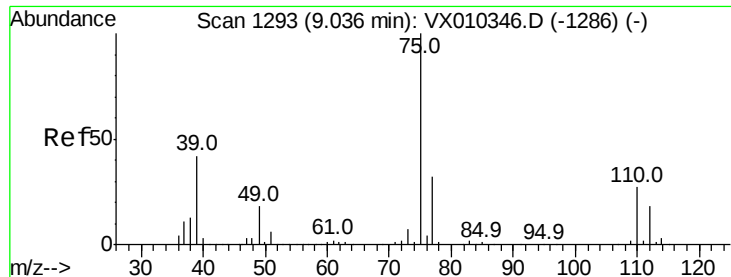
91 173.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





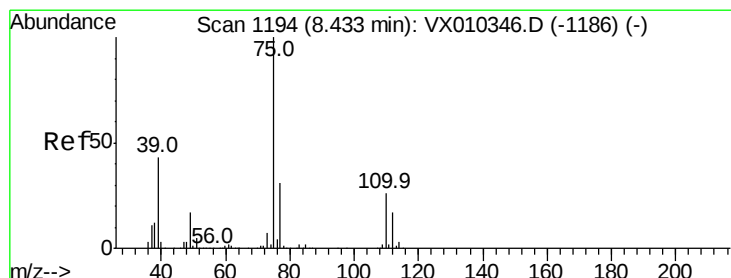
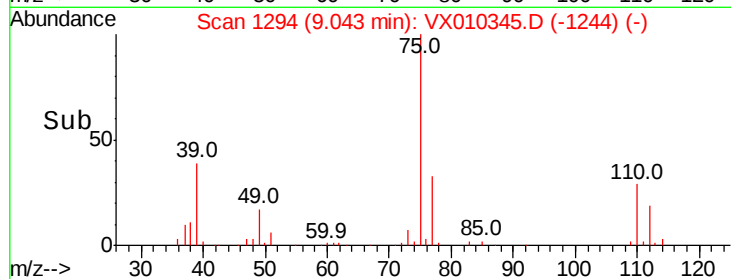
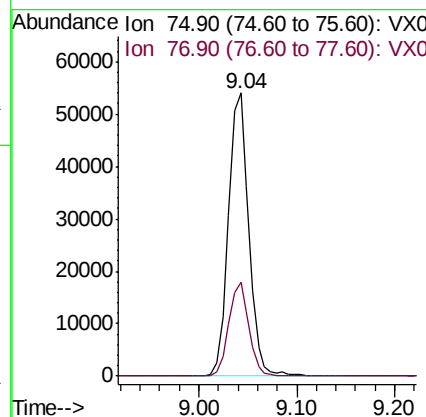
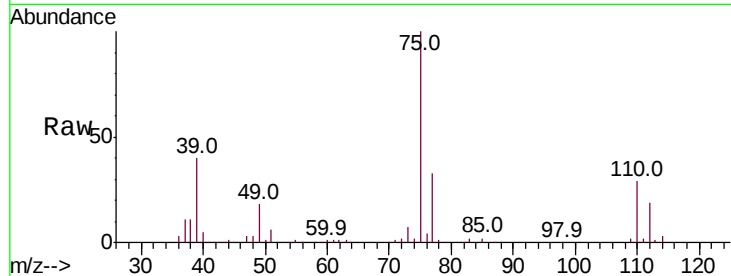
#53
t-1,3-Dichloropropene
Concen: 17.455 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 77979
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2

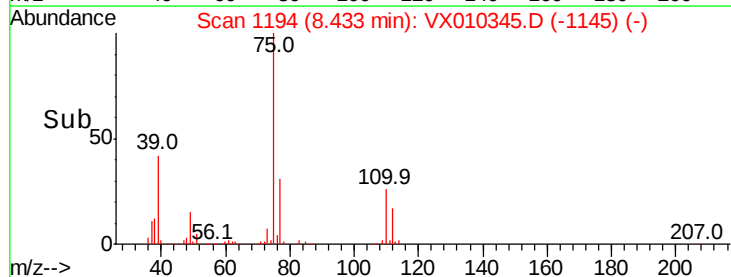
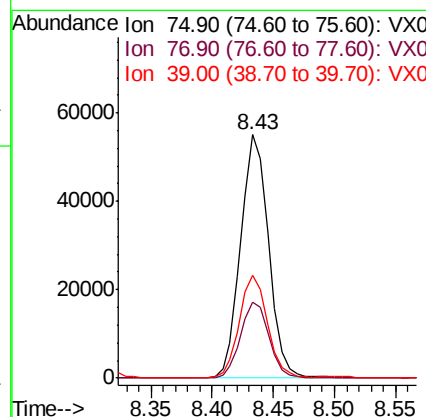
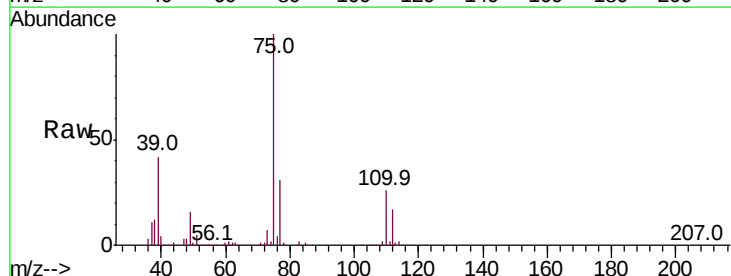
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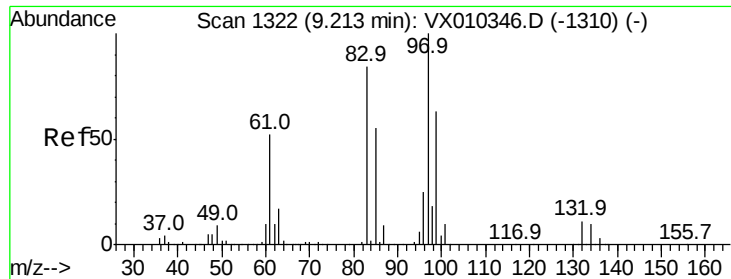
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6/20/2019 1:23:24 PM



#54
cis-1,3-Dichloropropene
Concen: 18.162 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 75 Resp: 87393
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 42.3 34.5 51.7





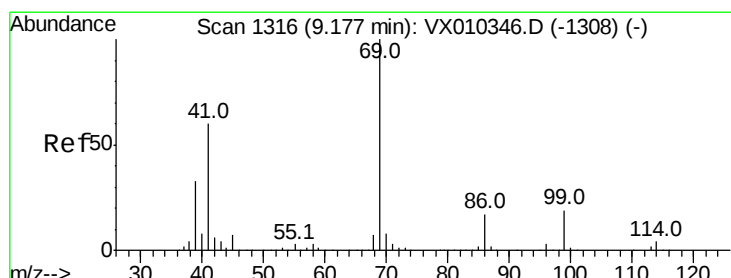
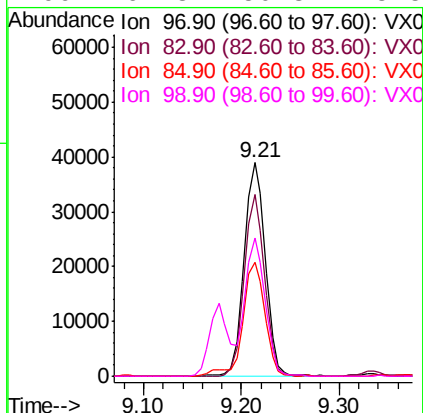
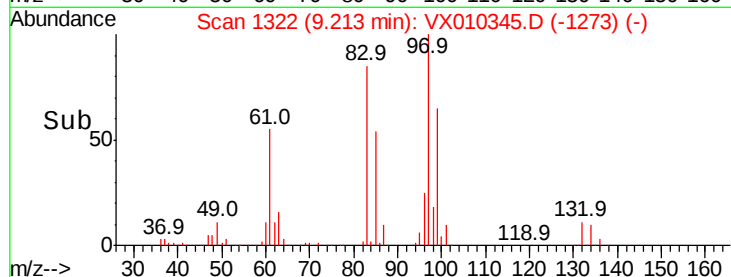
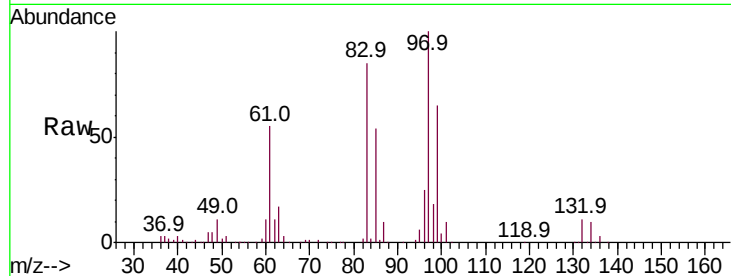
#55
 1,1,2-Trichloroethane
 Concen: 19.544 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		58758		
83	85.2	67.4	101.0		
85	53.5	43.8	65.8		
99	64.8	50.3	75.5		

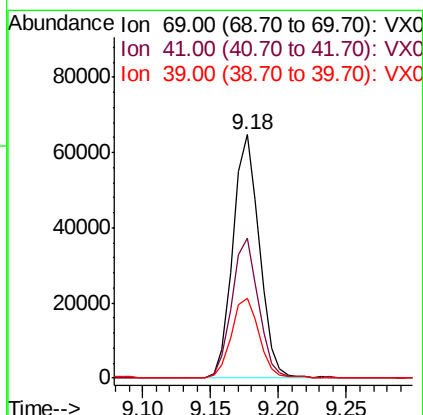
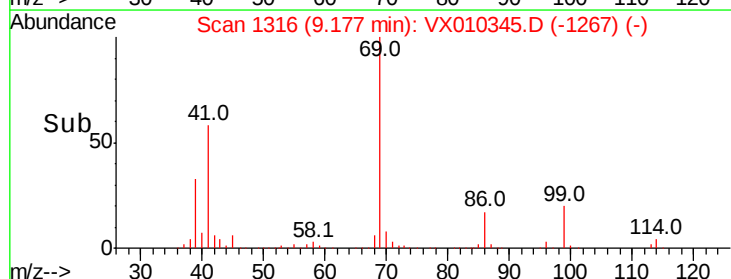
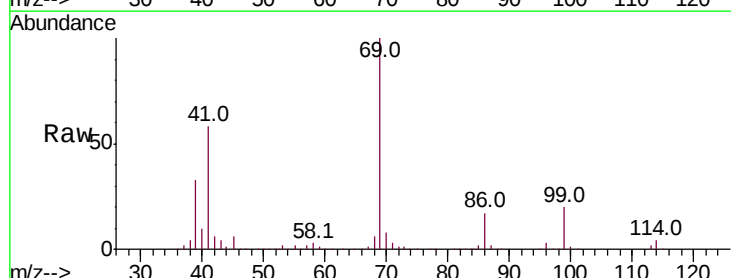
Manual Integrations
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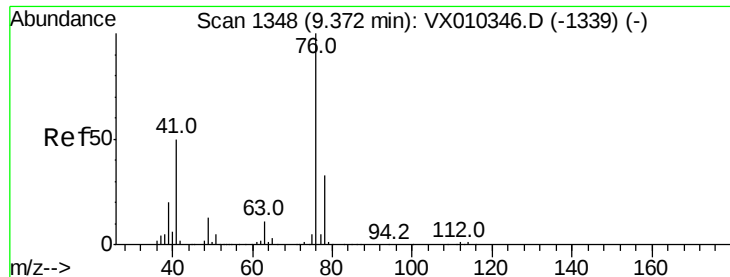
MMDadoda
 6/20/2019 1:23:24 PM



#56
 Ethyl methacrylate
 Concen: 18.641 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		87988		
41	57.9	47.1	70.7		
39	34.2	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 19.202 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 90838

Ion Ratio Lower Upper

76 100

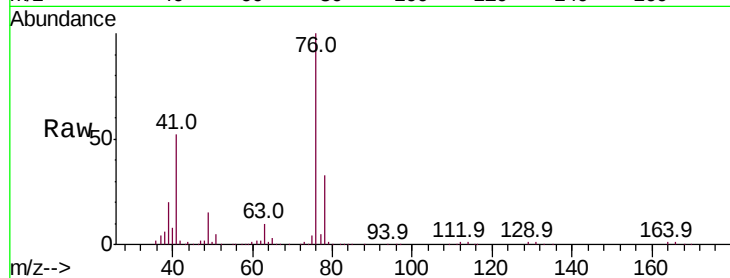
78 32.7 26.1 39.1

Manual Integrations

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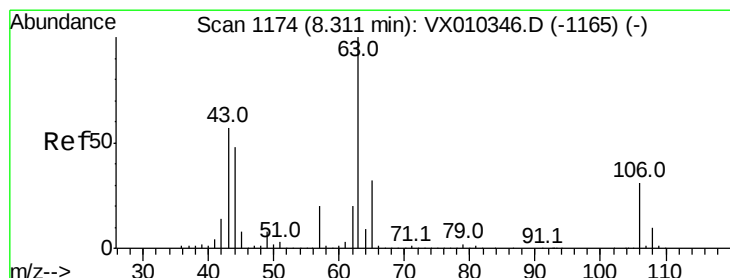
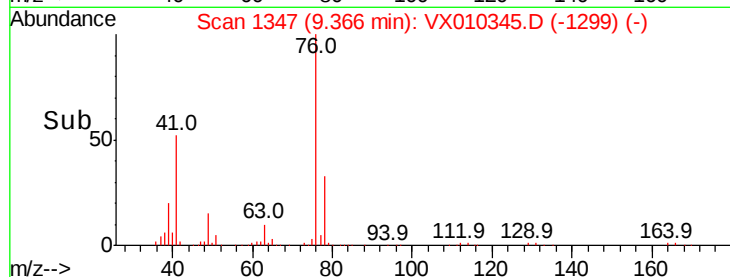
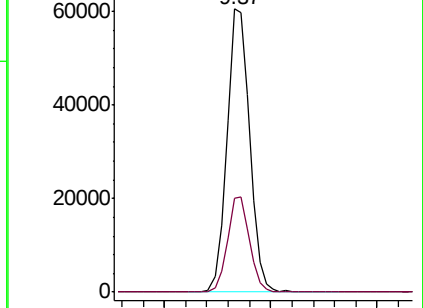
MMDadoda

6/20/2019 1:23:24 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.509 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010345.D

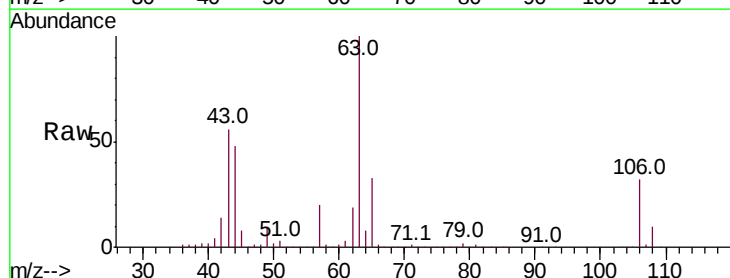
Acq: 19 Jun 2019 13:04

Tgt Ion: 63 Resp: 212816

Ion Ratio Lower Upper

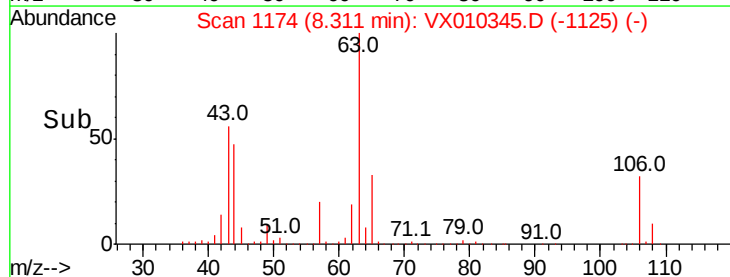
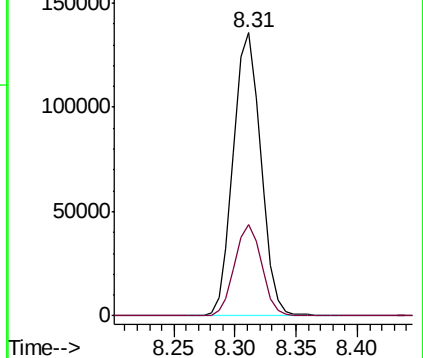
63 100

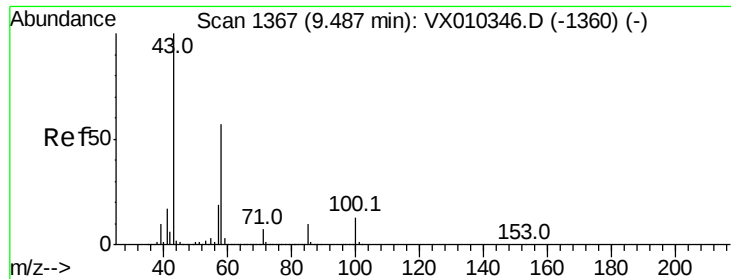
106 31.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





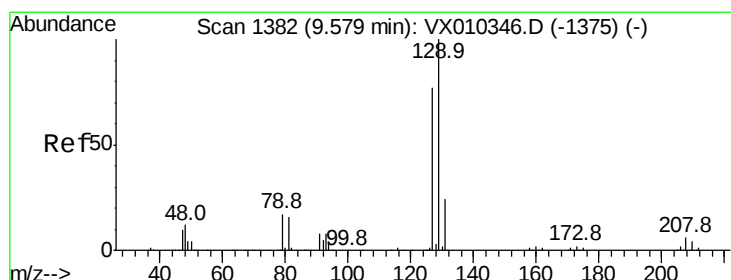
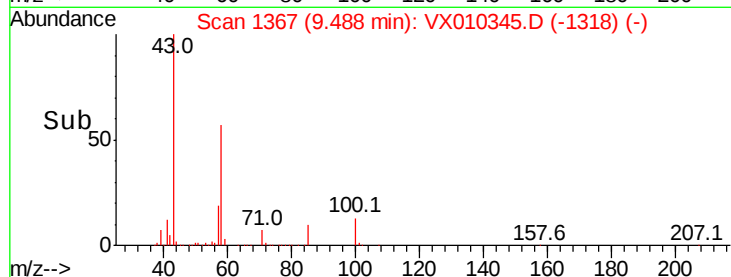
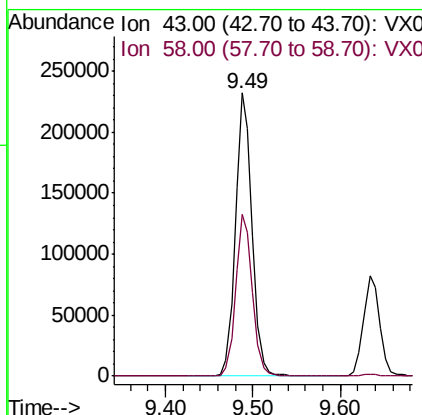
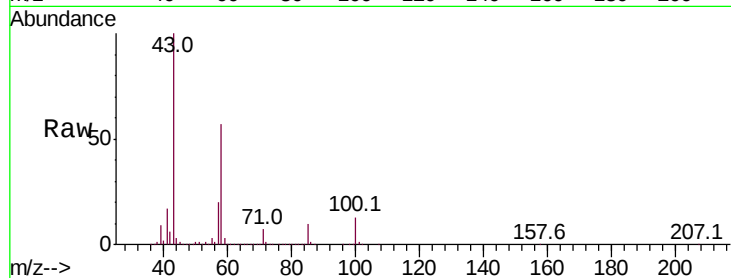
#59
2-Hexanone
Concen: 102.588 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 307859
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.1

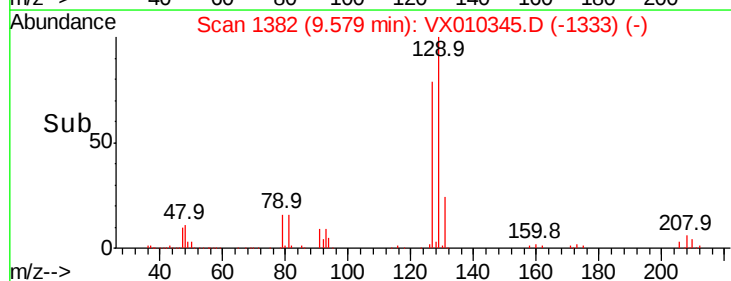
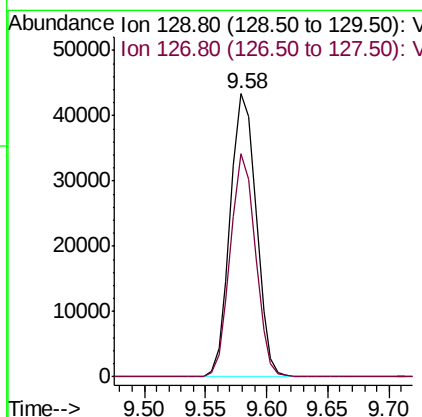
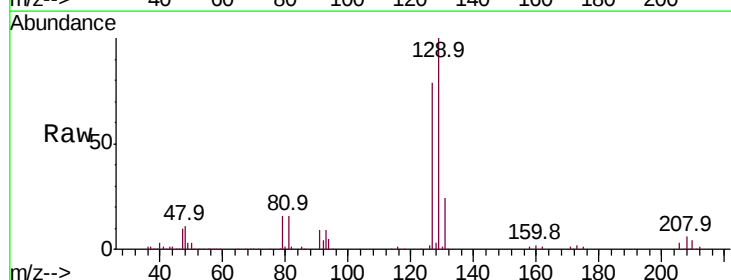
Manual Integrations
APPROVED

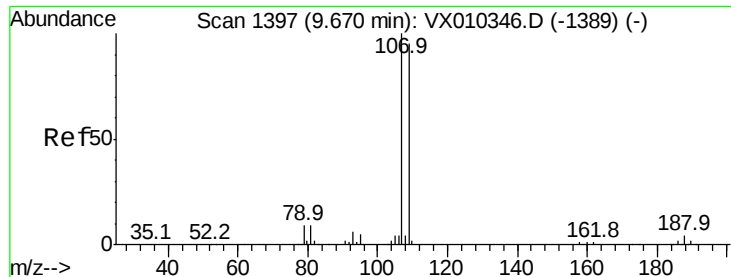
MMDadoda
6/20/2019 1:23:24 PM



#60
Dibromochloromethane
Concen: 18.113 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 129 Resp: 64003
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.158 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 63980

Ion Ratio Lower Upper

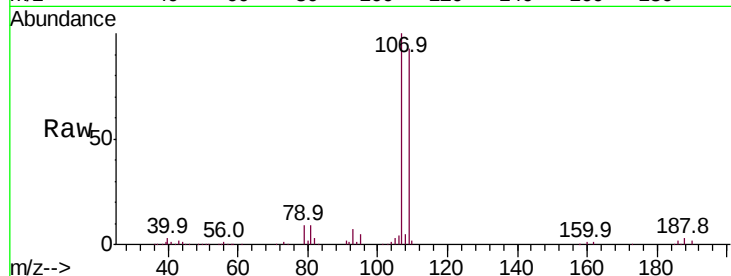
107 100

109 92.4 75.8 113.6

Manual Integrations
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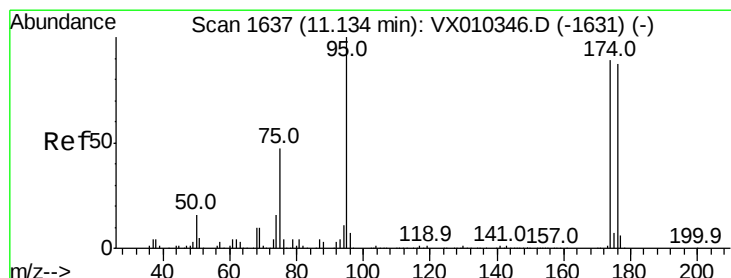
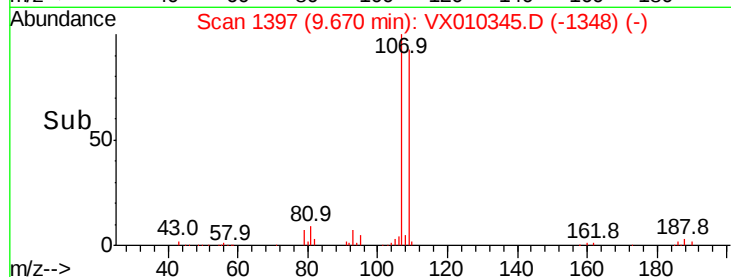
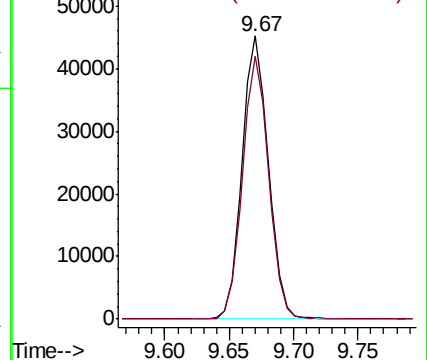
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.674 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

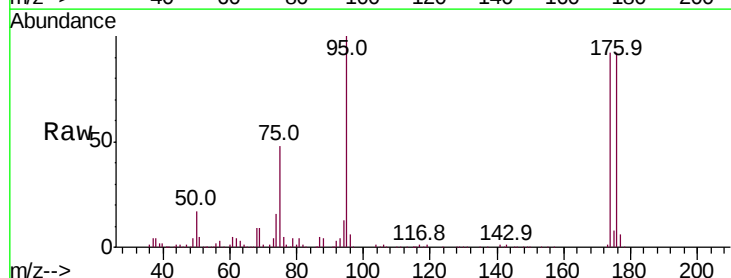
Tgt Ion: 95 Resp: 71264

Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.6

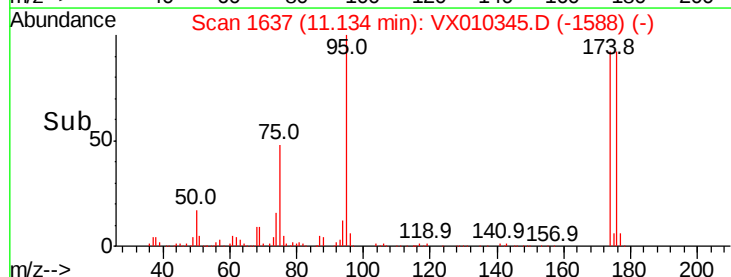
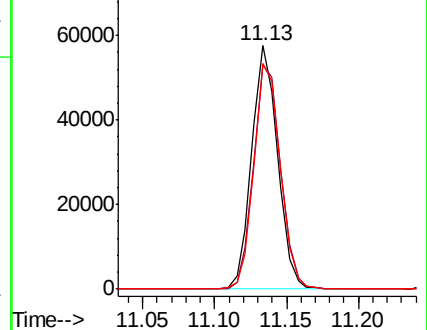
176 94.0 0.0 184.0

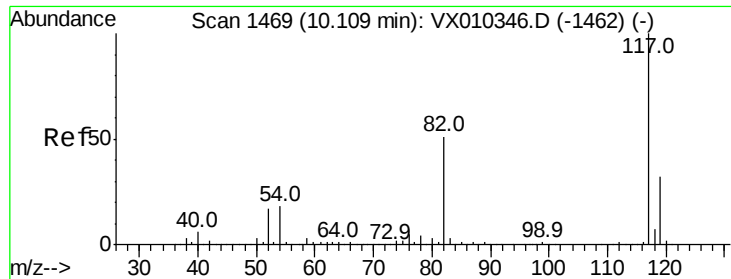


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





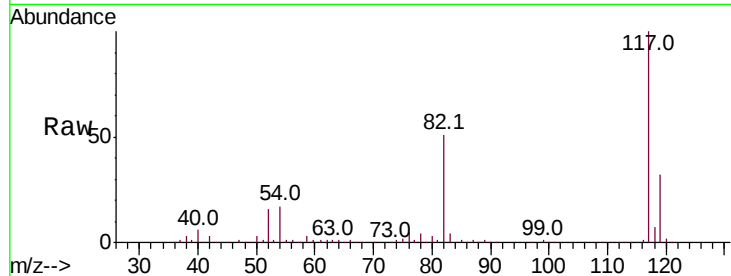
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.2	61.8
119	32.2	25.5	38.3

Manual Integrations
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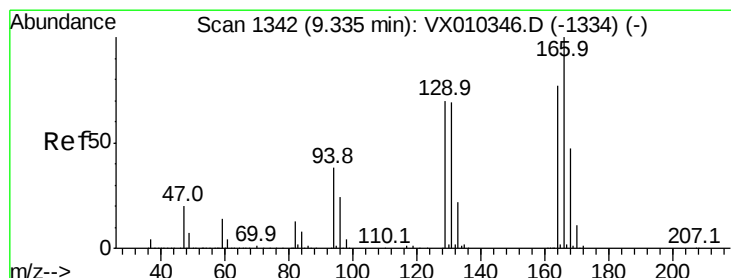
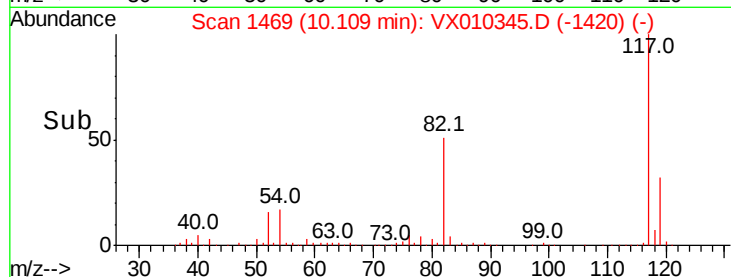
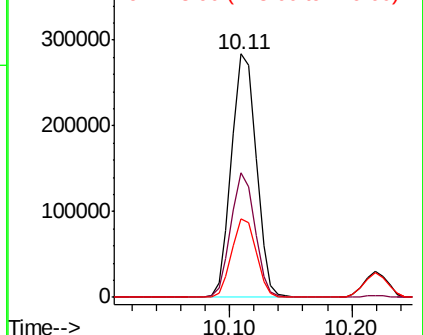


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	93.9	73.0	109.4
131	87.6	71.0	106.4

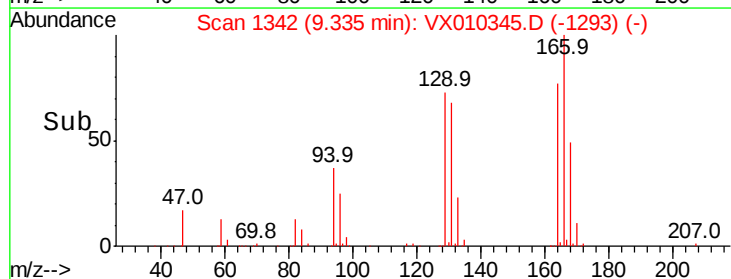
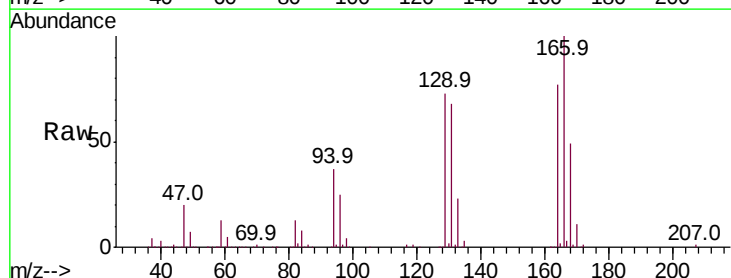
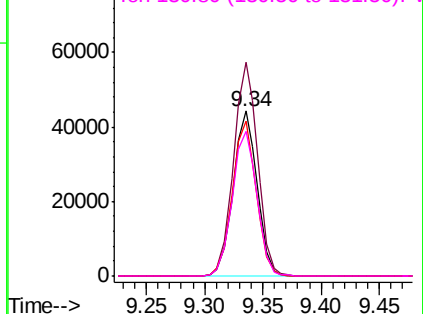
Abundance

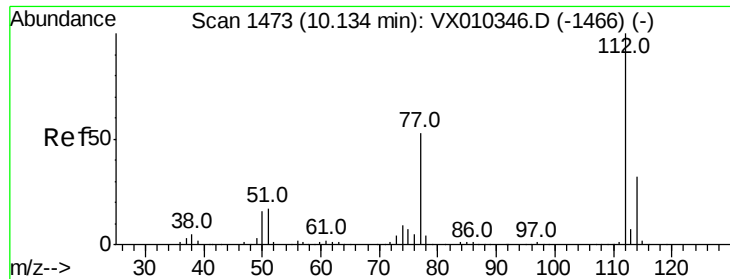
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





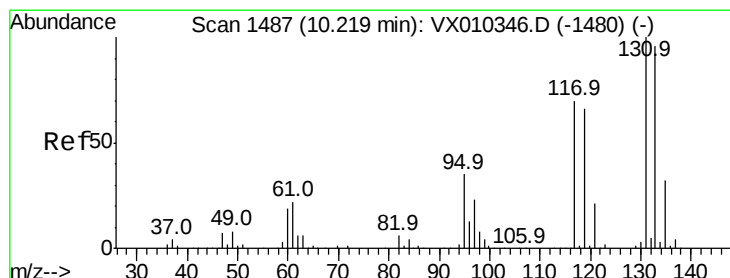
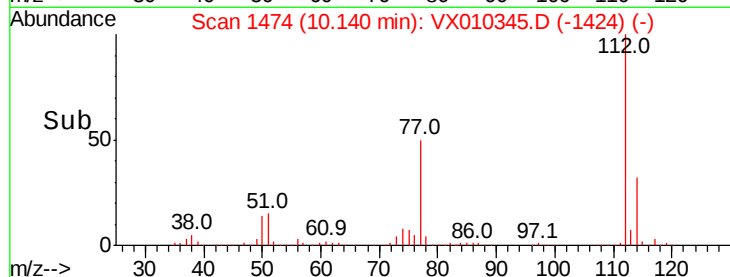
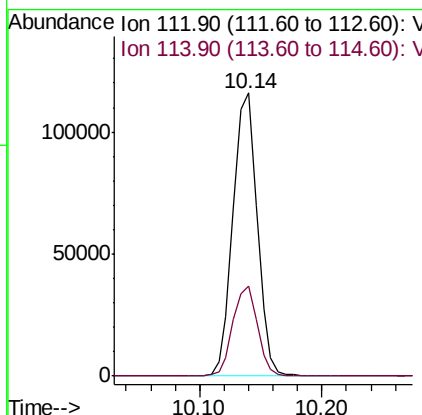
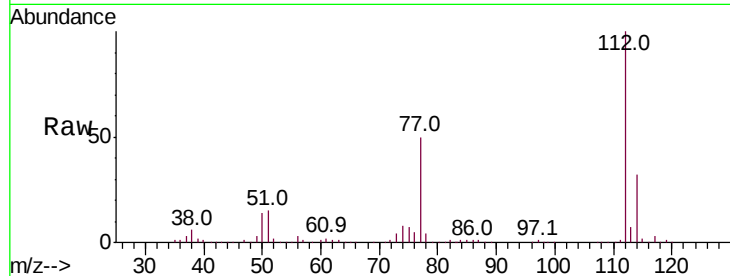
#65
Chlorobenzene
Concen: 19.340 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 158913
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

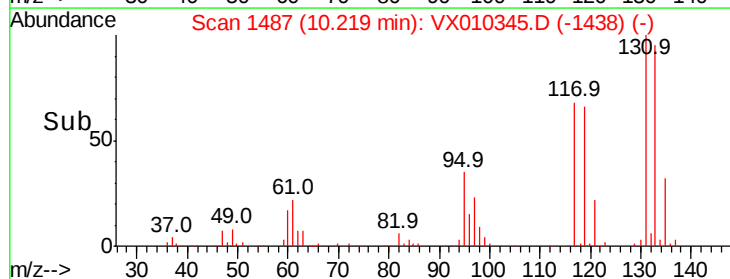
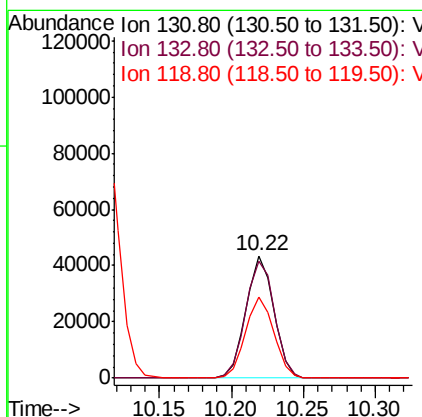
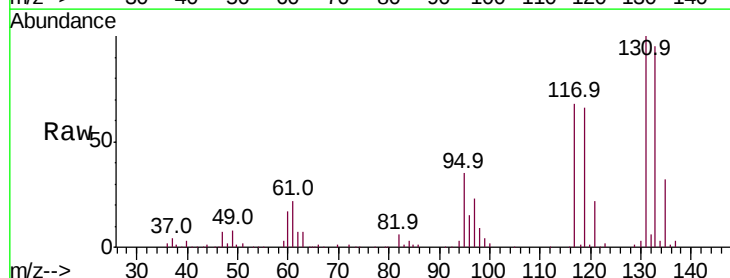
Manual Integrations
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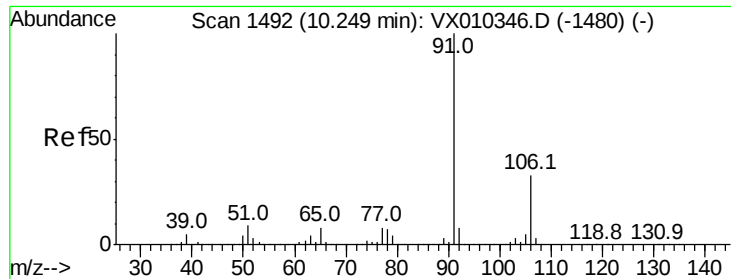
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.553 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion:131 Resp: 58417
Ion Ratio Lower Upper
131 100
133 98.5 47.7 143.1
119 67.3 32.6 97.7





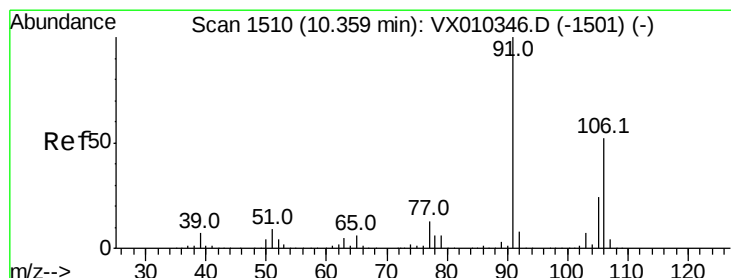
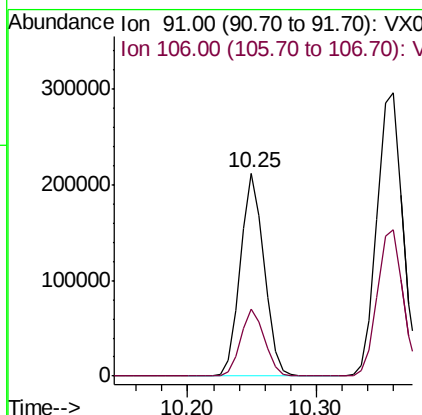
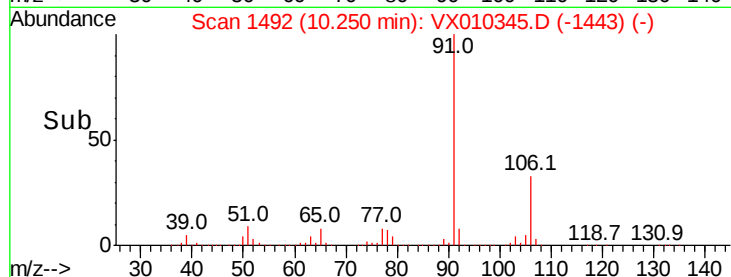
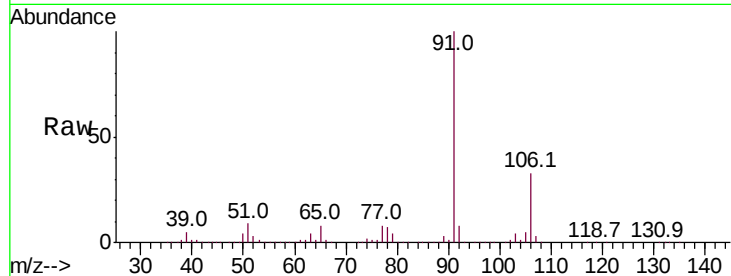
#67
Ethyl Benzene
Concen: 19.402 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 271485
Ion Ratio Lower Upper
91 100
106 33.2 26.2 39.2

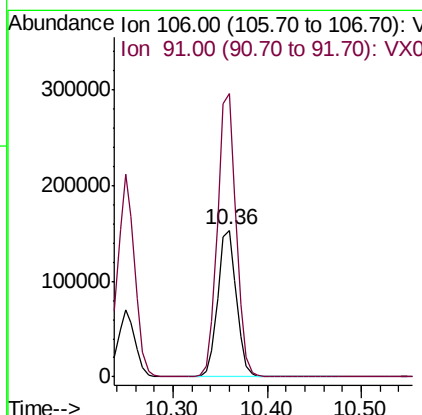
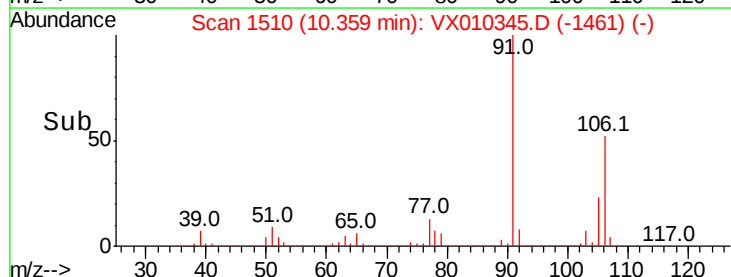
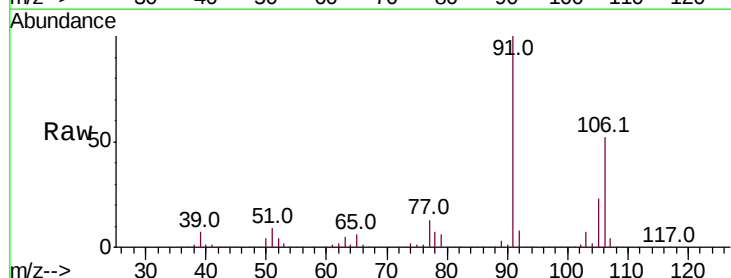
Manual Integrations
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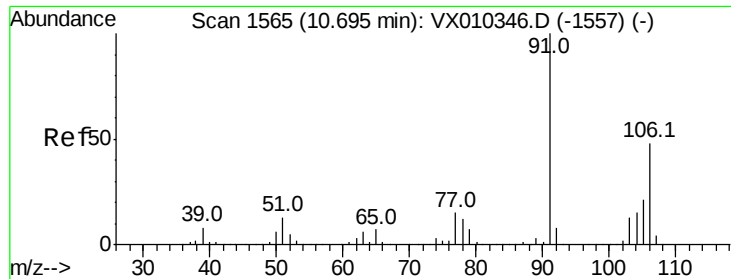
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#68
m/p-Xylenes
Concen: 39.114 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion: 106 Resp: 211998
Ion Ratio Lower Upper
106 100
91 191.8 155.3 232.9





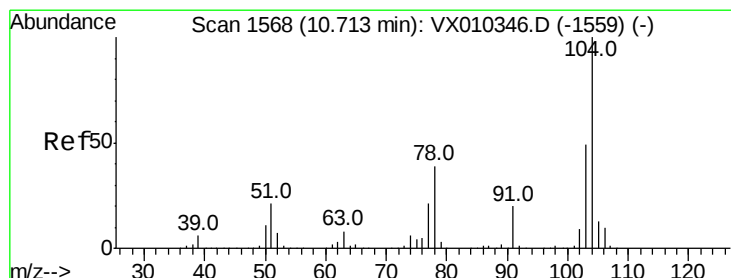
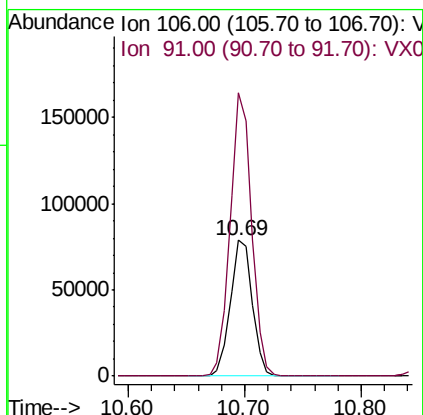
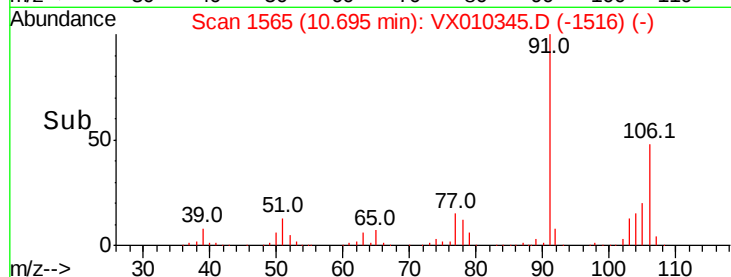
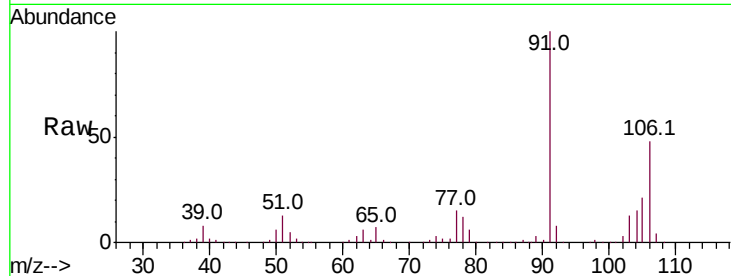
#69
o-Xylene
Concen: 19.307 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 103822
Ion Ratio Lower Upper
106 100
91 203.1 102.7 308.1

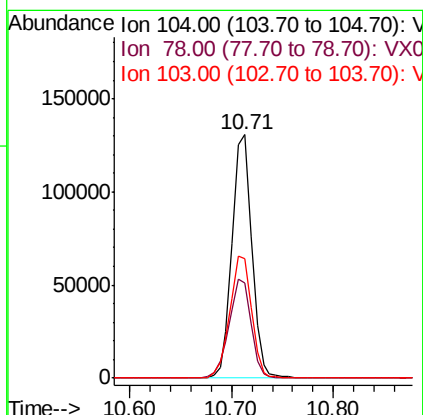
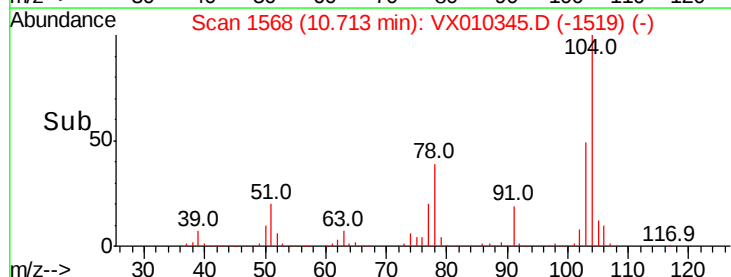
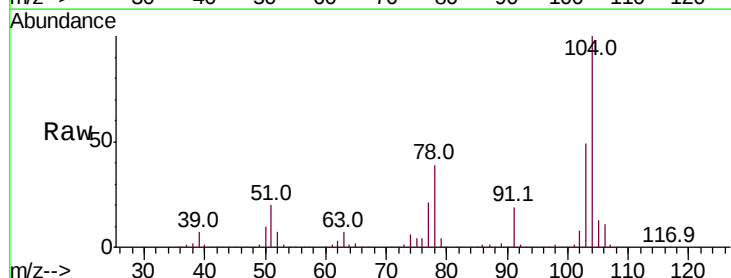
Manual Integrations
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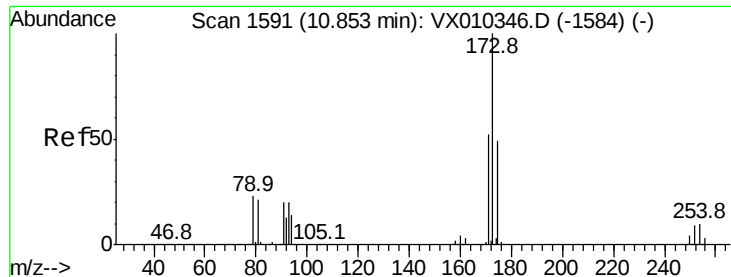
MMDadoda
6/20/2019 1:23:24 PM



#70
Styrene
Concen: 19.211 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion:104 Resp: 174705
Ion Ratio Lower Upper
104 100
78 45.3 36.2 54.2
103 55.5 44.2 66.4





#71

Bromoform

Concen: 17.409 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 50207

Ion Ratio Lower Upper

173 100

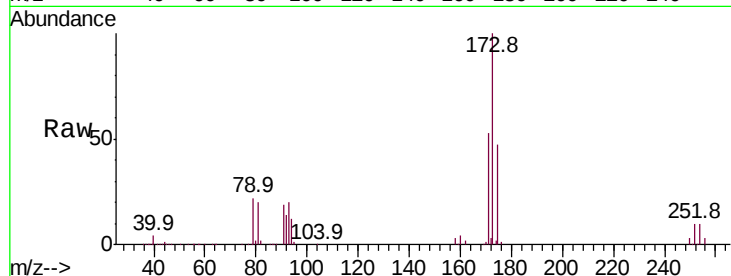
175 48.3 24.1 72.3

254 0.0 0.2 0.2#

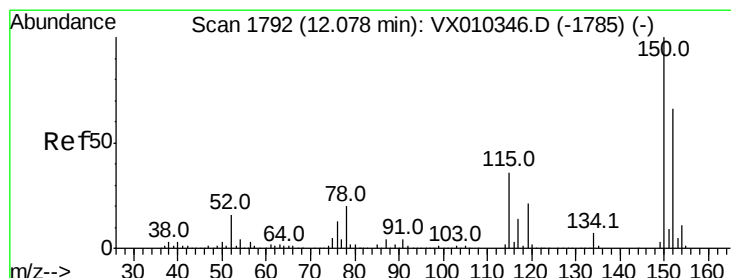
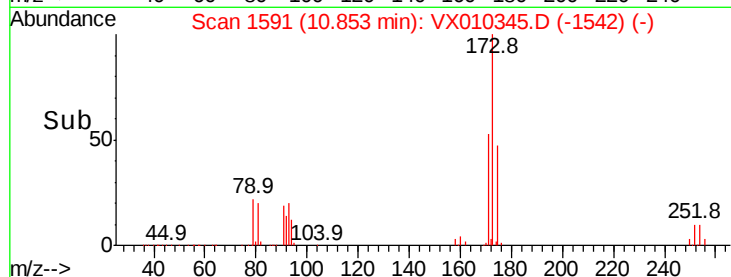
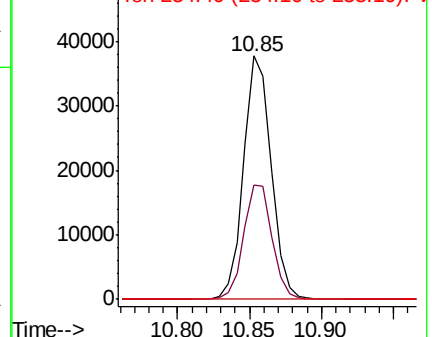
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

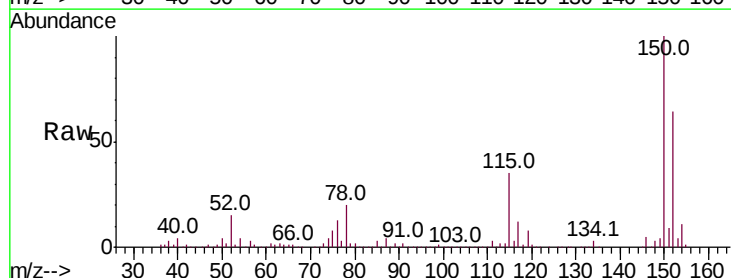
Tgt Ion:152 Resp: 200438

Ion Ratio Lower Upper

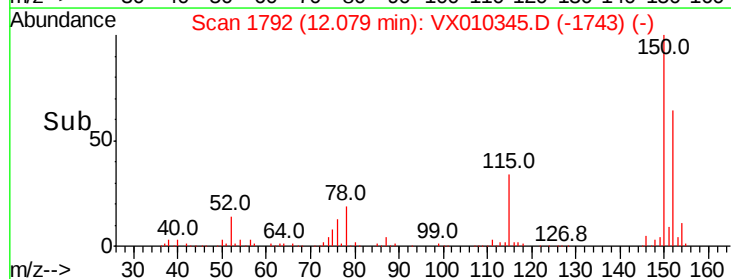
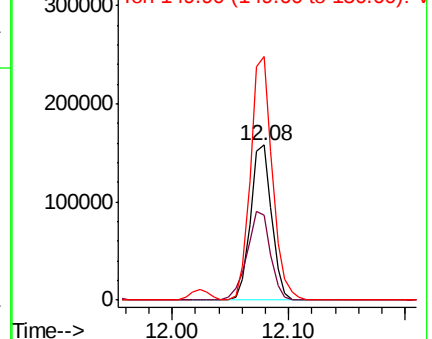
152 100

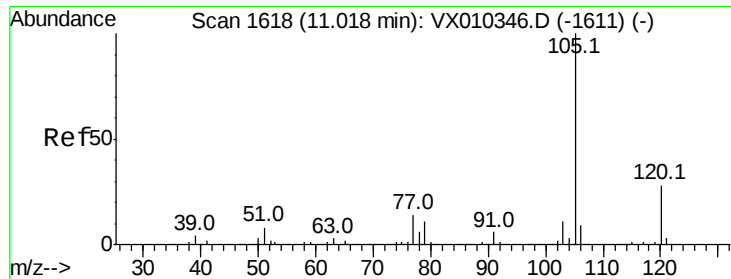
115 63.2 38.6 115.7

150 162.3 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





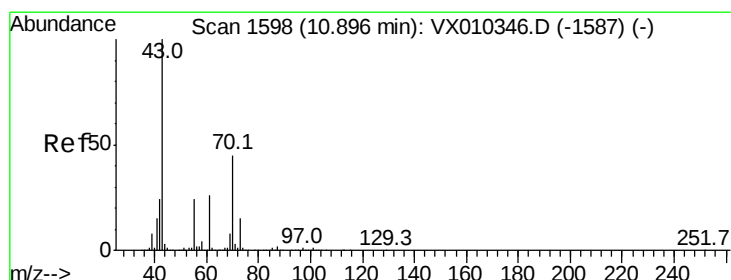
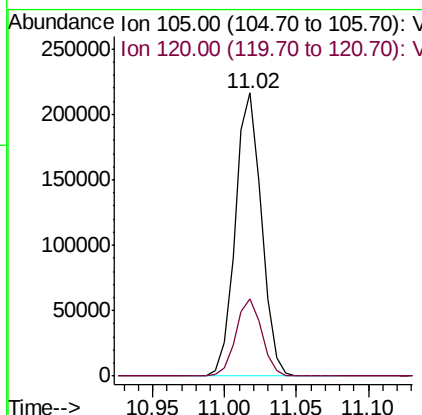
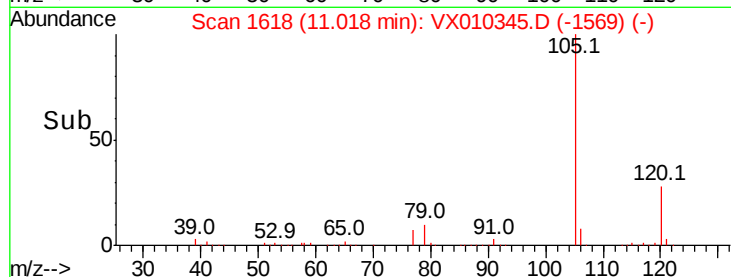
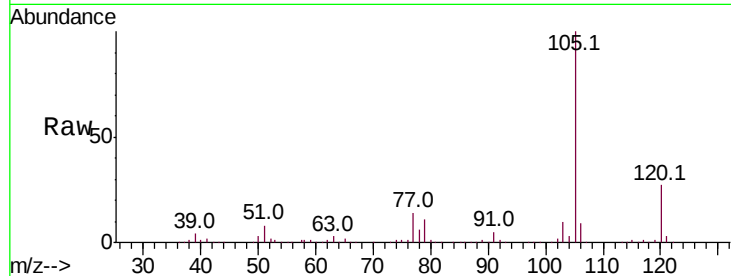
#73
Isopropylbenzene
Concen: 19.697 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	14.1	42.4

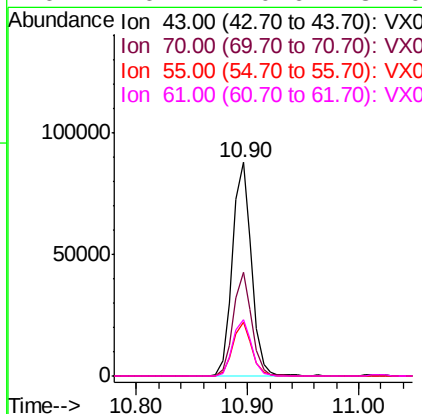
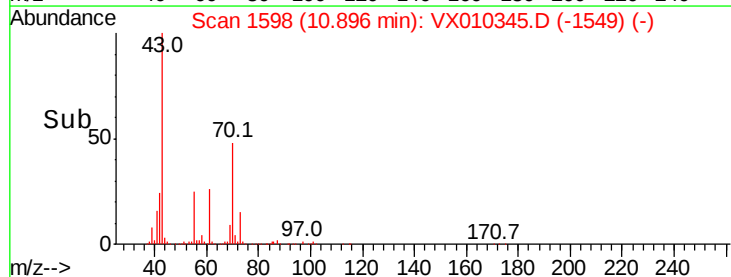
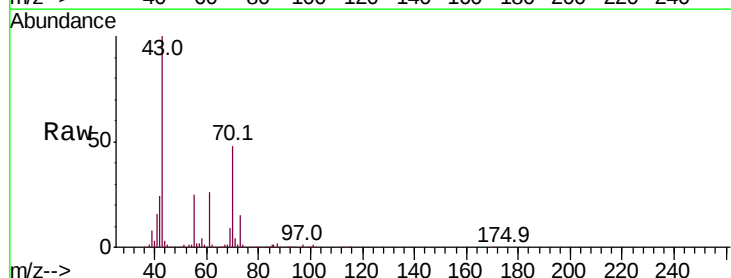
Manual Integrations
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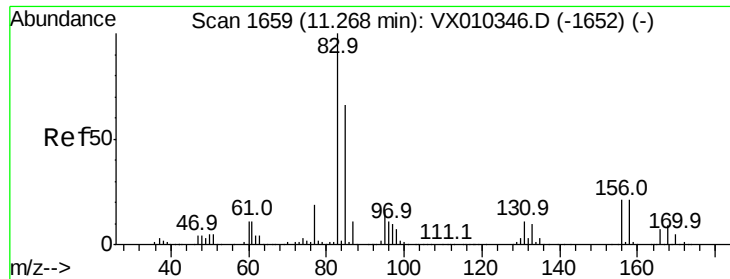
MMDadoda
6/20/2019 1:23:24 PM



#74
N-ethyl acetate
Concen: 18.860 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.9	36.6	54.8
55	25.1	18.7	28.1
61	26.2	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.765 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 89385

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

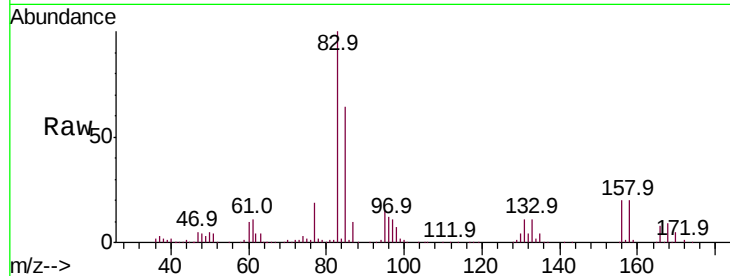
85 65.0 32.3 96.8

Manual Integrations

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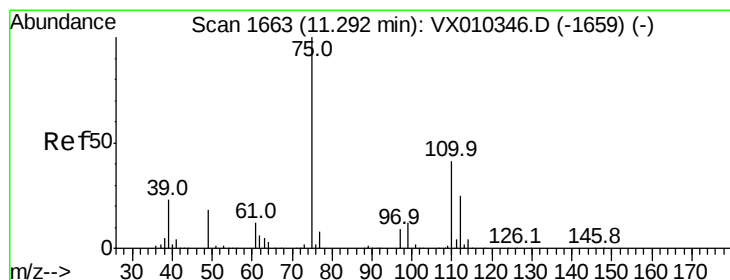
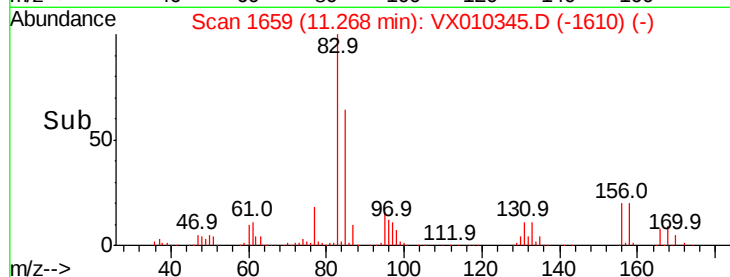
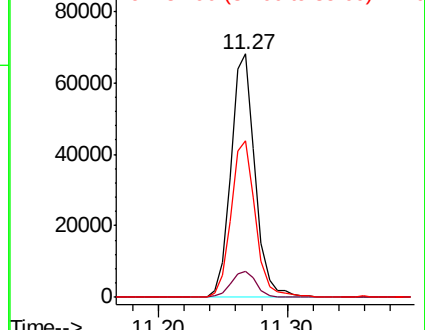
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.866 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010345.D

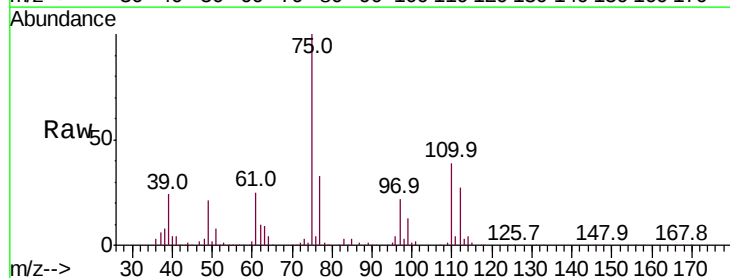
Acq: 19 Jun 2019 13:04

Tgt Ion: 75 Resp: 74963

Ion Ratio Lower Upper

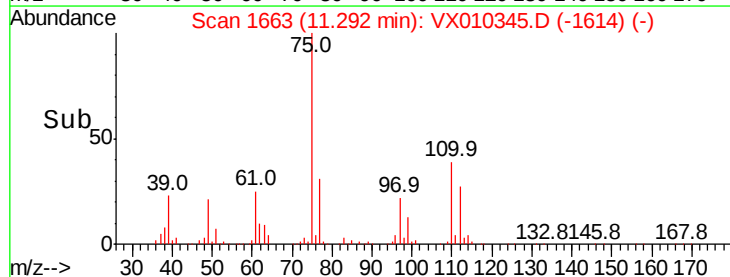
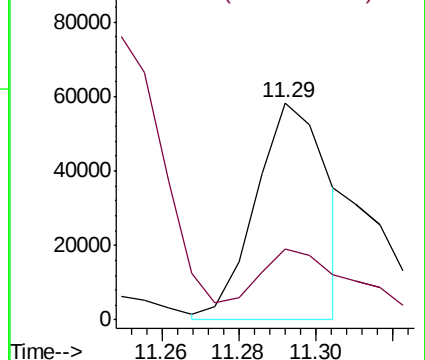
75 100

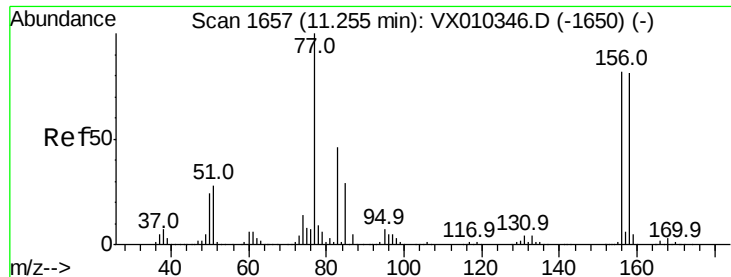
77 45.2 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.508 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 74961

Ion Ratio Lower Upper

156 100

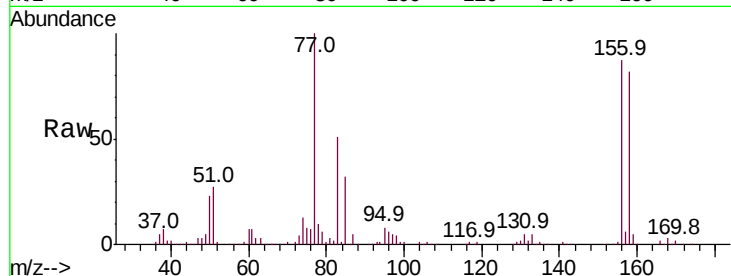
77 131.0 66.3 198.7

158 97.3 48.9 146.7

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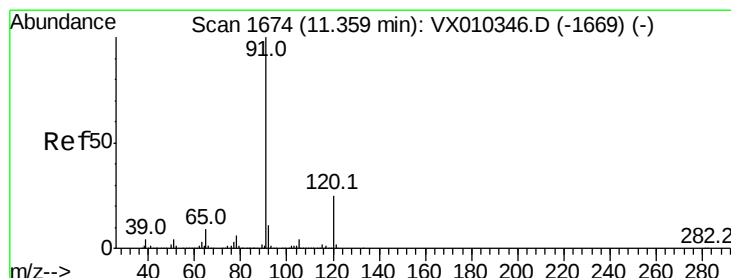
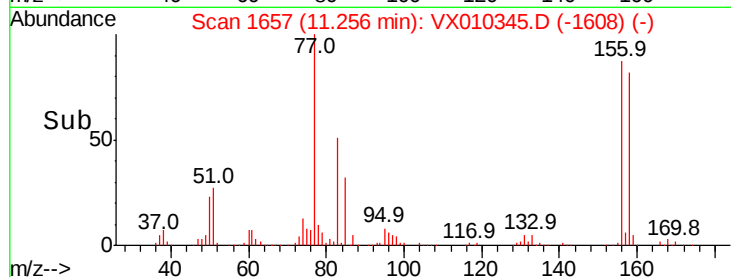
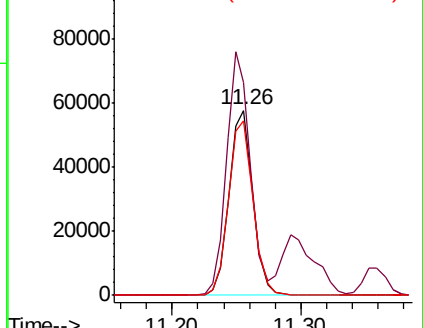
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.161 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010345.D

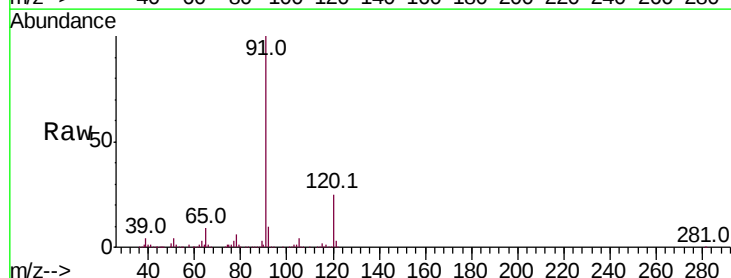
Acq: 19 Jun 2019 13:04

Tgt Ion: 91 Resp: 297473

Ion Ratio Lower Upper

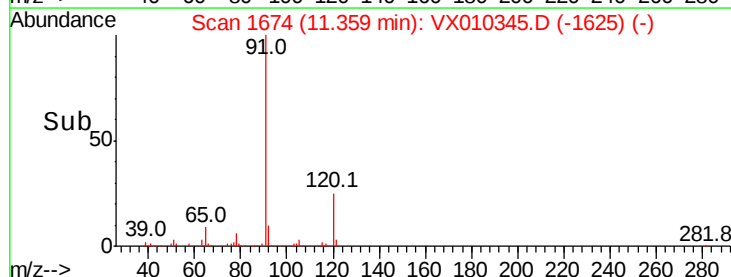
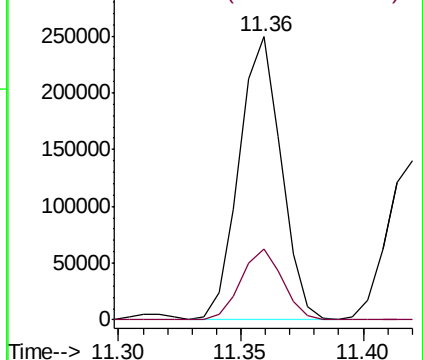
91 100

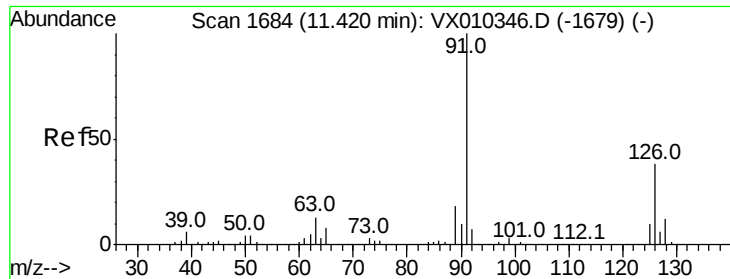
120 25.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.905 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 175817

Ion Ratio Lower Upper

91 100

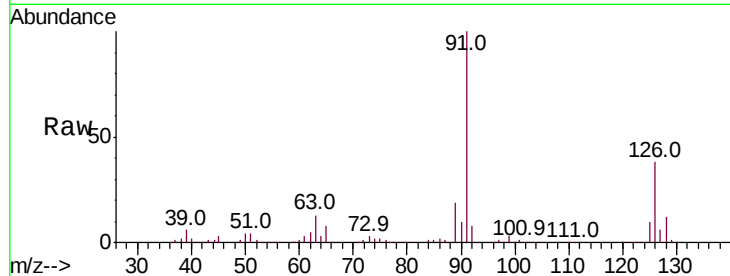
126 38.2 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX010345.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010345.D (-1679) (-)

250000

200000

150000

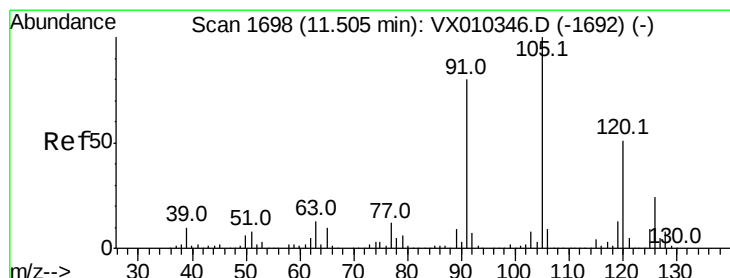
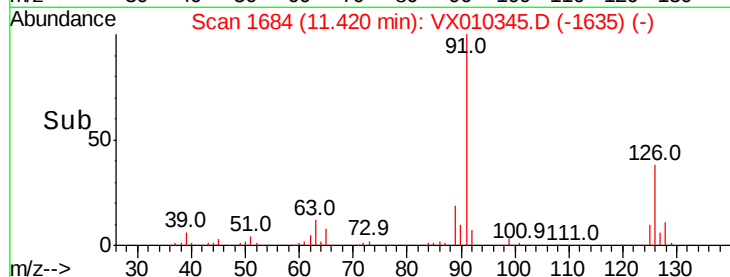
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.169 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010345.D

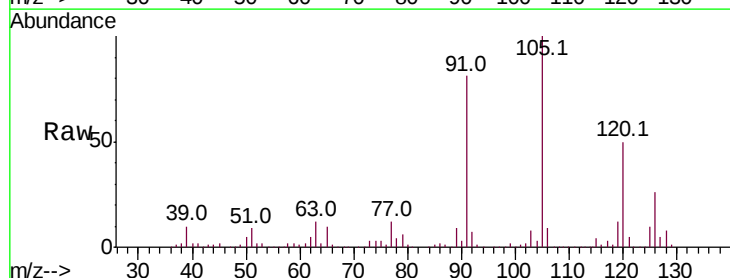
Acq: 19 Jun 2019 13:04

Tgt Ion: 105 Resp: 225448

Ion Ratio Lower Upper

105 100

120 50.7 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010345.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010345.D (-1692) (-)

200000

150000

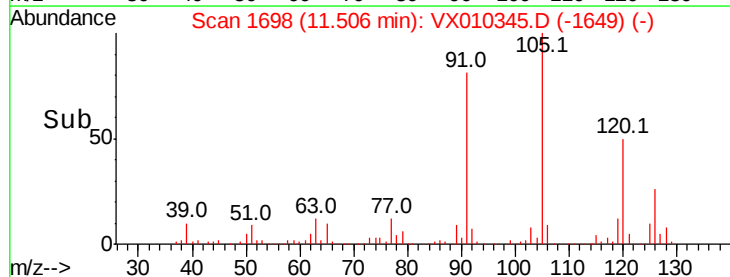
100000

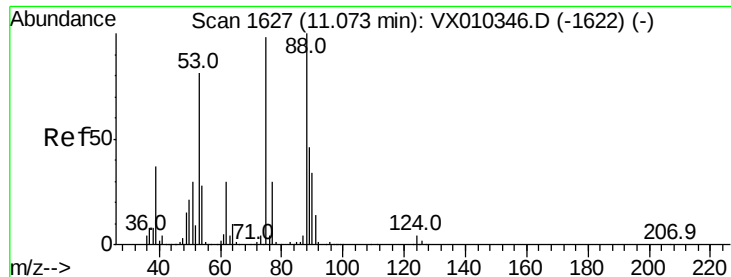
50000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.728 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 29689

Ion Ratio Lower Upper

75 100

53 84.2 66.1 99.1

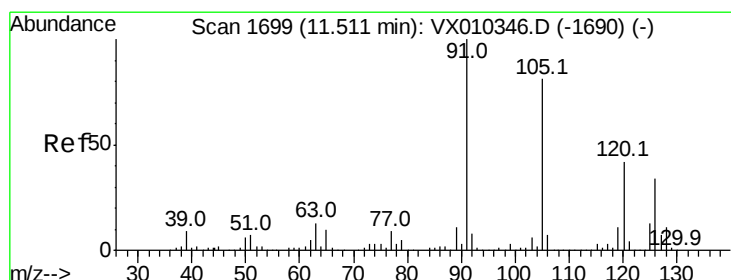
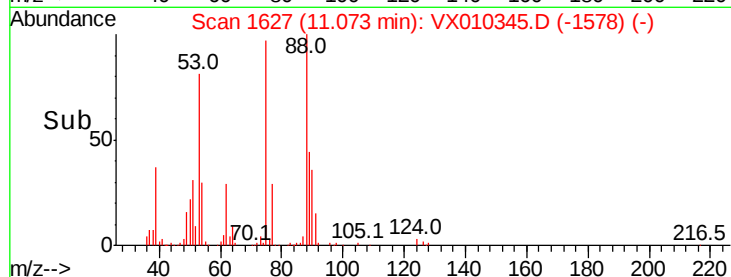
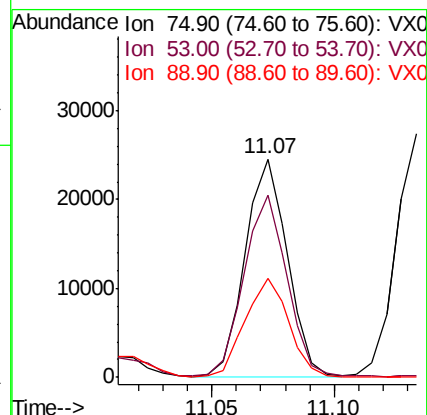
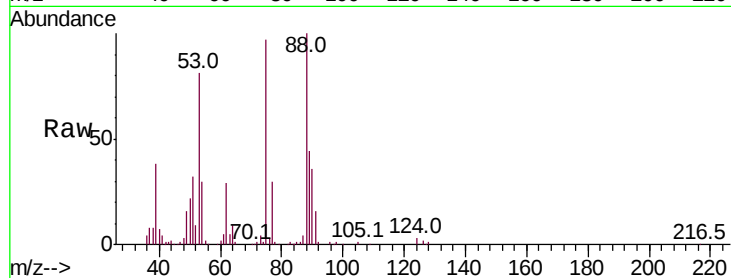
89 47.3 37.8 56.6

Manual Integrations

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#82

4-Chlorotoluene

Concen: 18.747 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010345.D

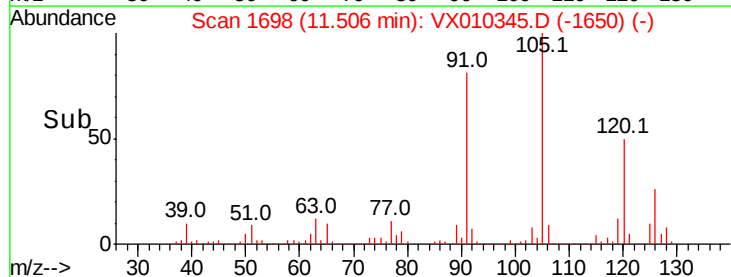
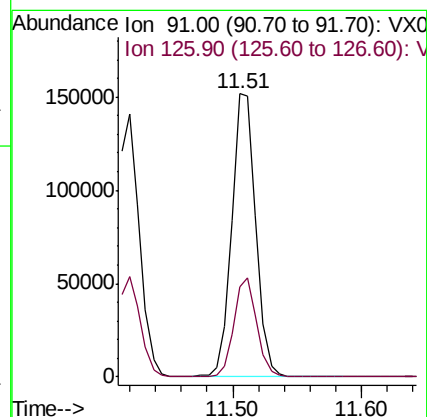
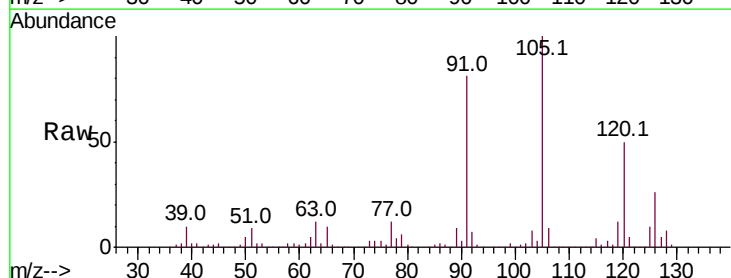
Acq: 19 Jun 2019 13:04

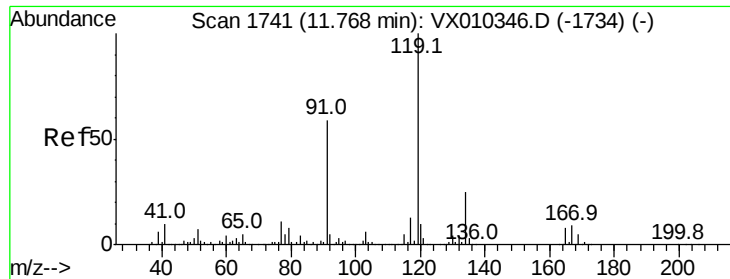
Tgt Ion: 91 Resp: 198114

Ion Ratio Lower Upper

91 100

126 33.4 16.2 48.6





#83

tert-Butylbenzene

Concen: 18.879 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010345.D

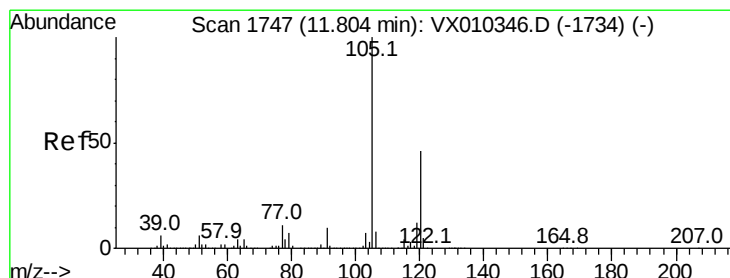
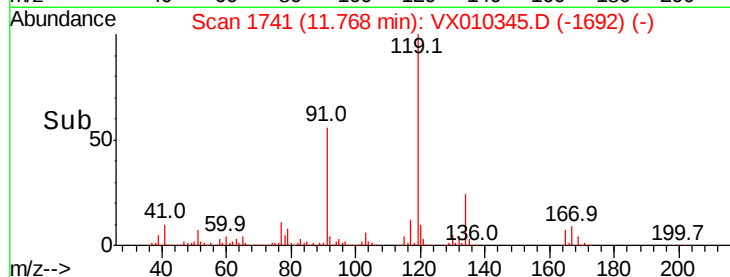
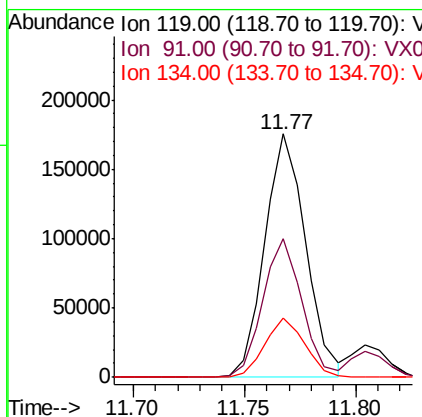
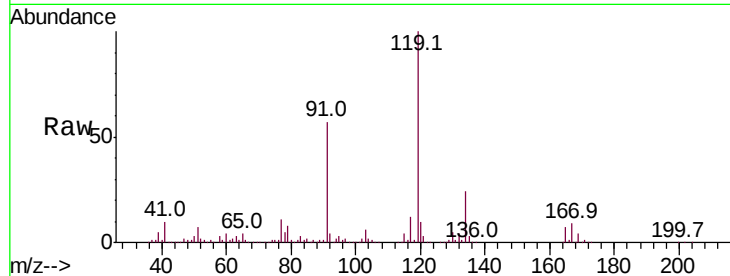
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.5	27.6	82.7
134	24.0	11.8	35.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.084 ug/l

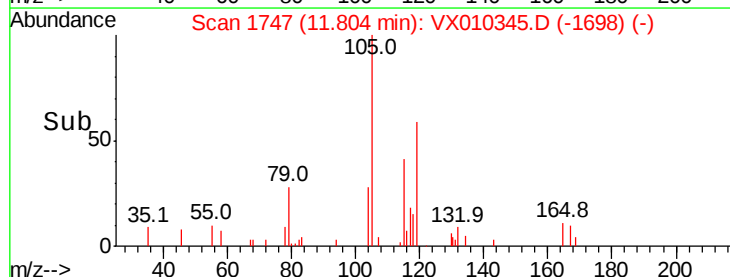
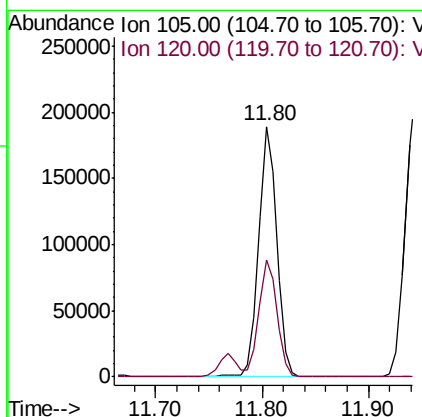
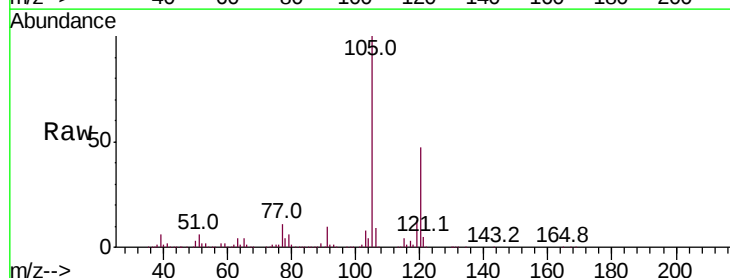
RT: 11.80 min Scan# 1747

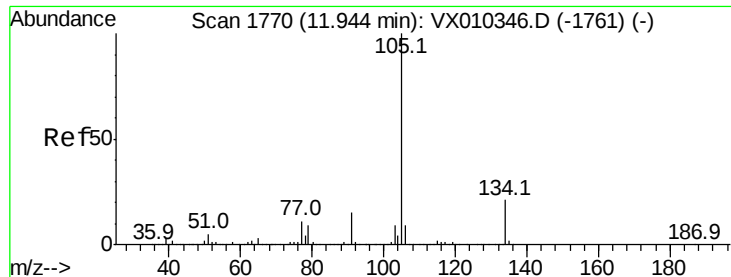
Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.181 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 265750

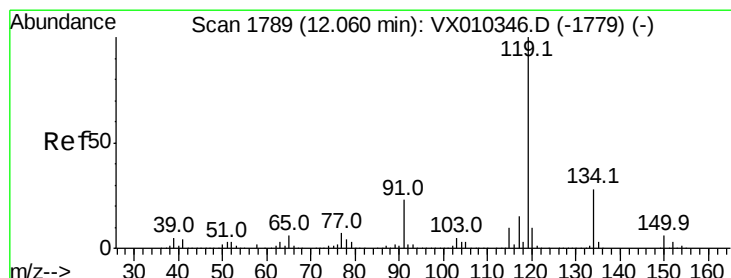
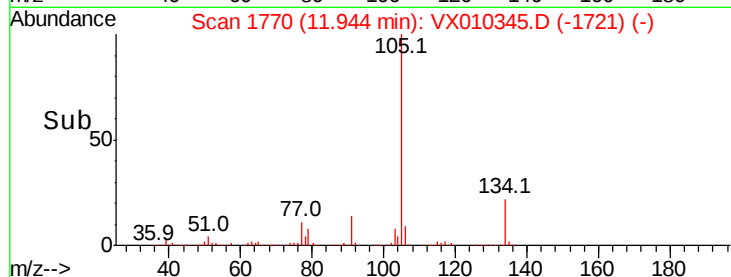
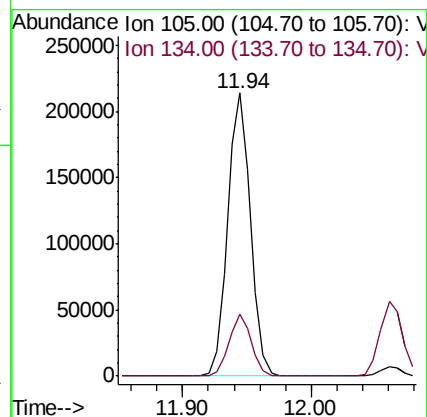
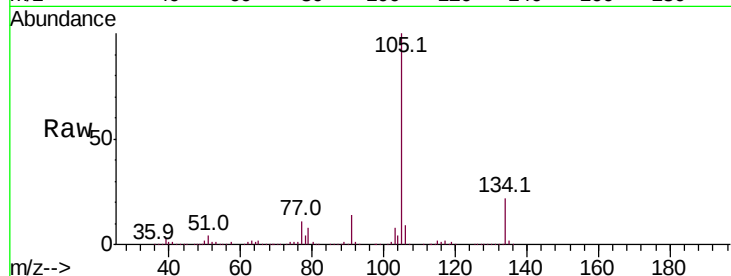
Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 19.275 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010345.D

Acq: 19 Jun 2019 13:04

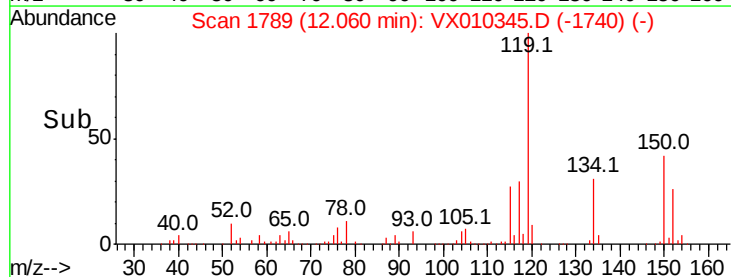
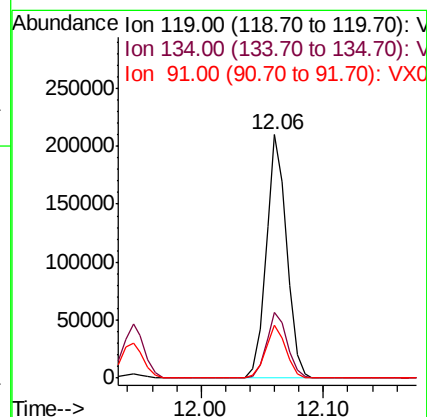
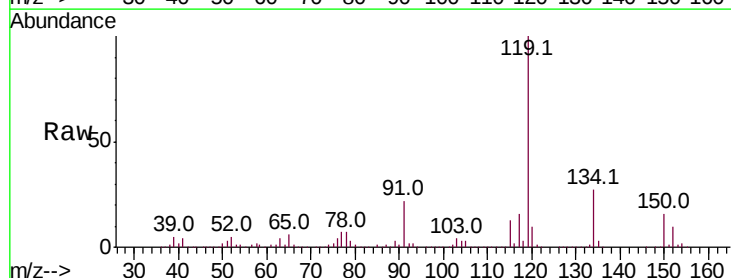
Tgt Ion:119 Resp: 244478

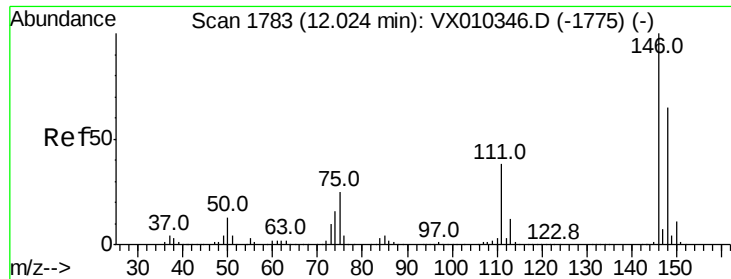
Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.1

91 21.8 11.3 33.8





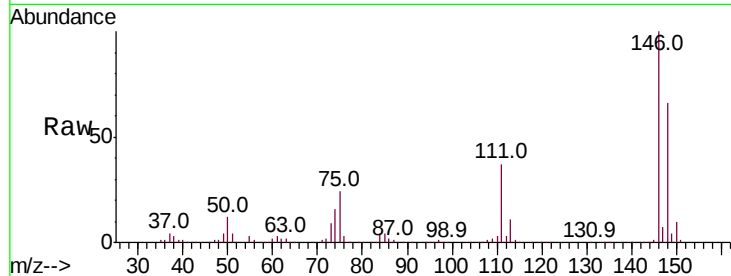
#87
 1,3-Dichlorobenzene
 Concen: 19.392 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	64.4	32.5	97.4

Manual Integrations
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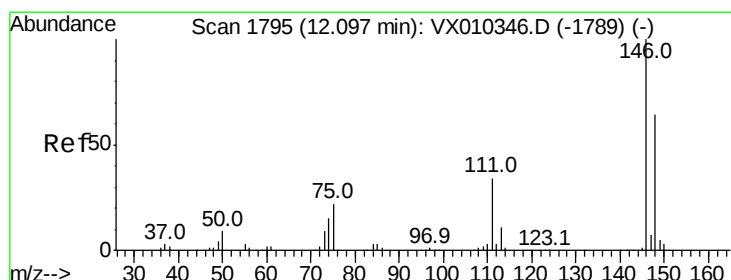
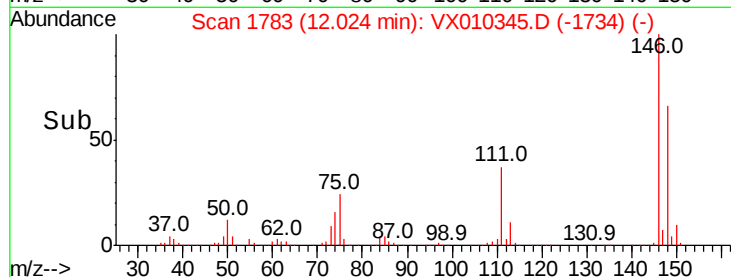
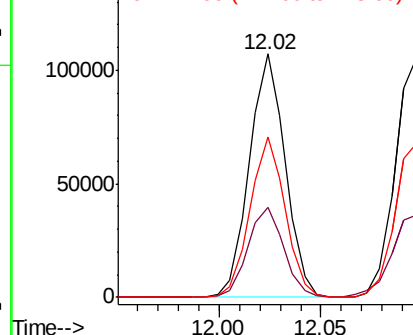


Abundance

Ion 145.90 (145.60 to 146.60): V

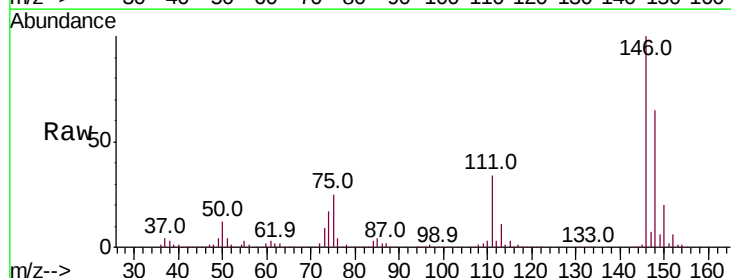
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 18.811 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.3
148	66.4	32.1	96.3

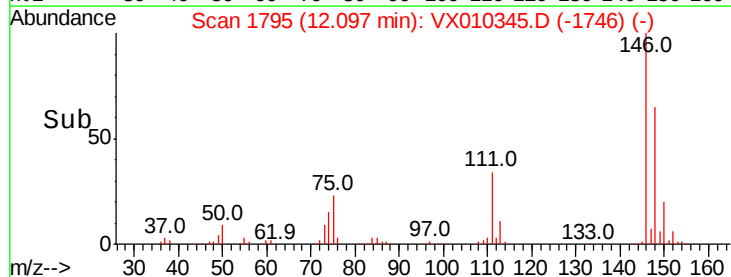
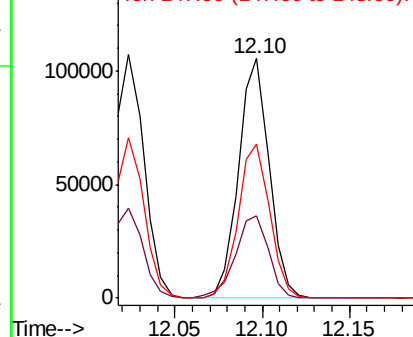


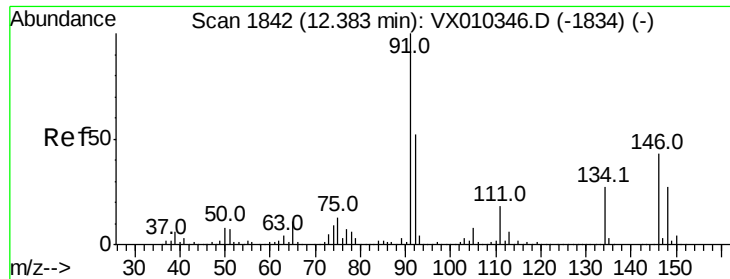
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





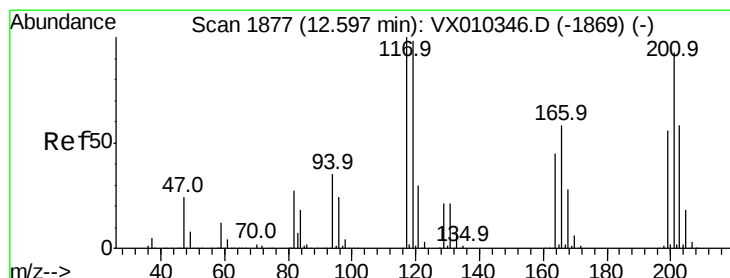
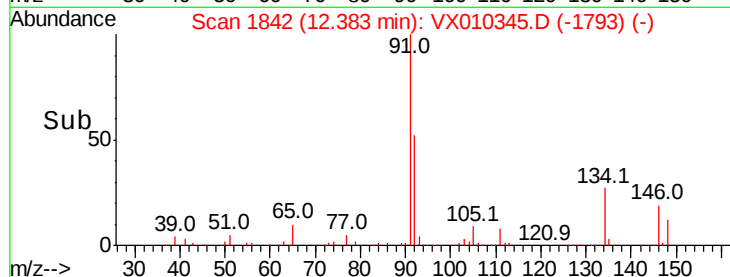
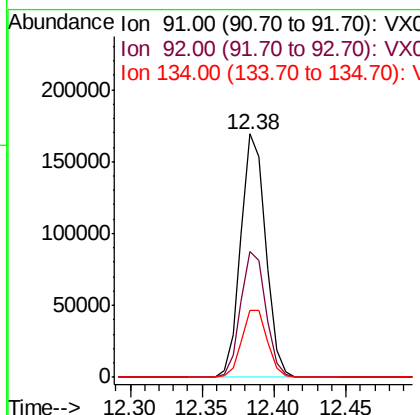
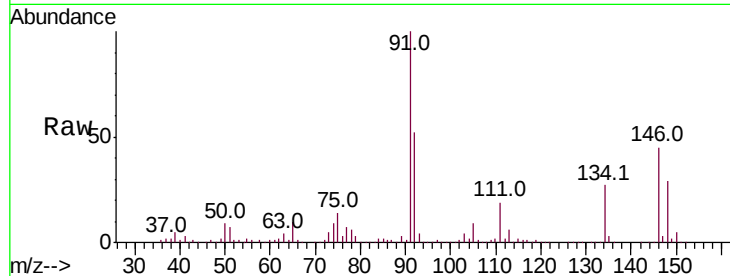
#89
n-Butylbenzene
Concen: 18.641 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.2	26.2	78.5	
134	28.5	14.1	42.4	

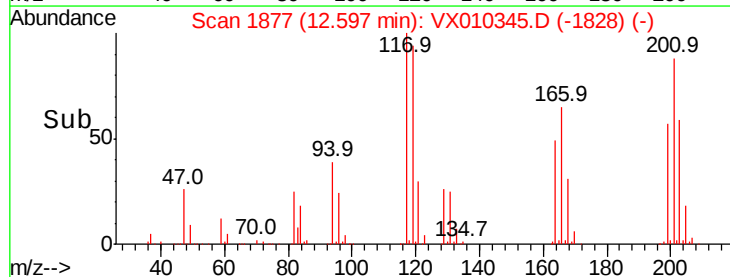
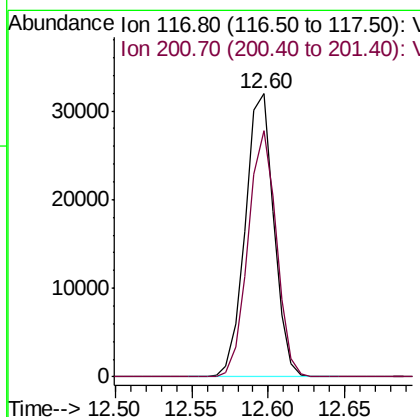
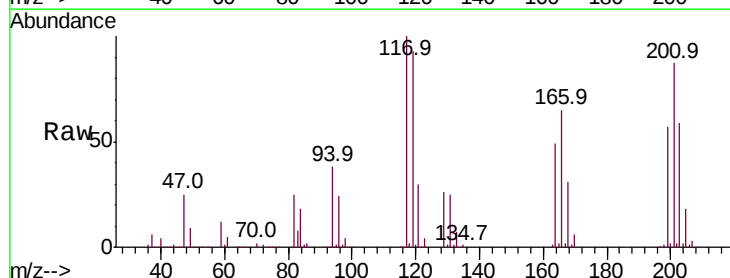
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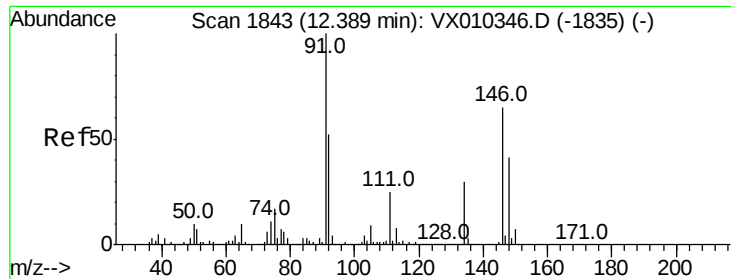
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#90
Hexachloroethane
Concen: 16.645 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.1	44.0	131.8	





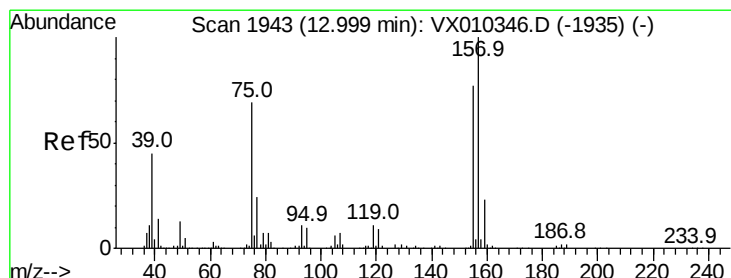
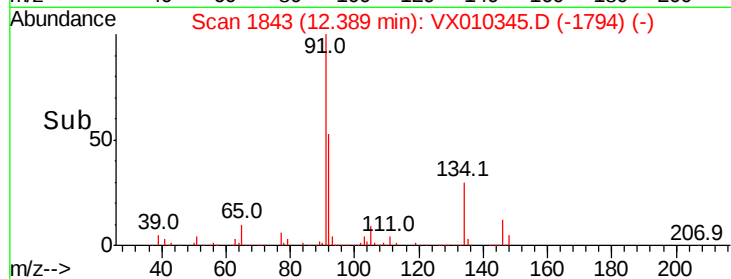
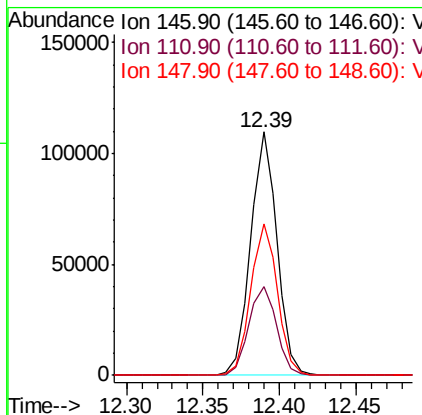
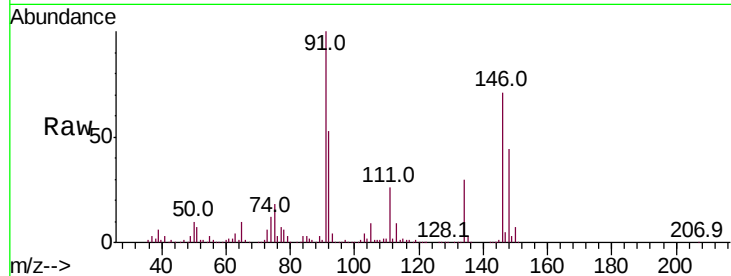
#91
 1,2-Dichlorobenzene
 Concen: 19.878 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	63.4	32.0	96.0

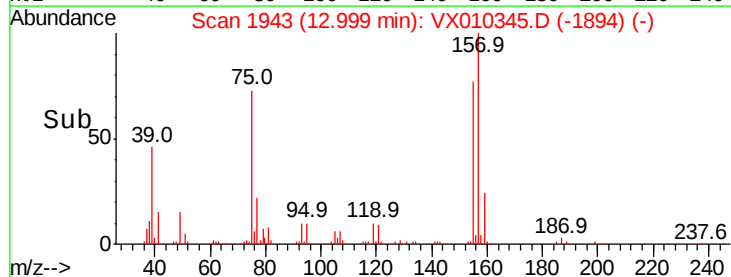
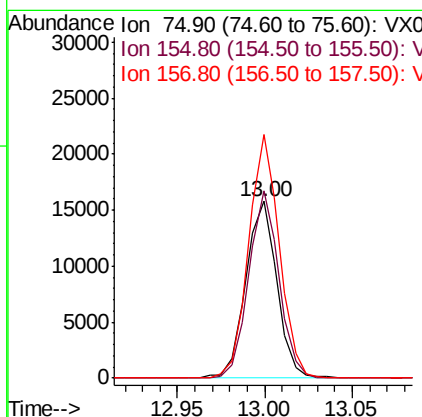
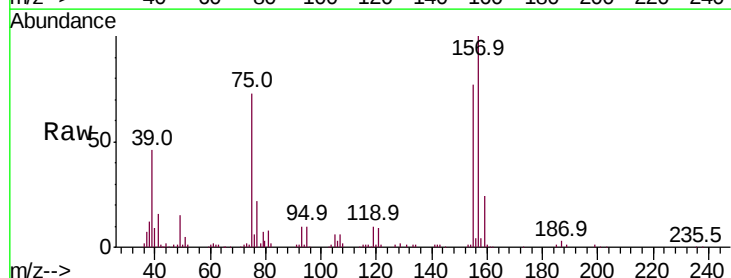
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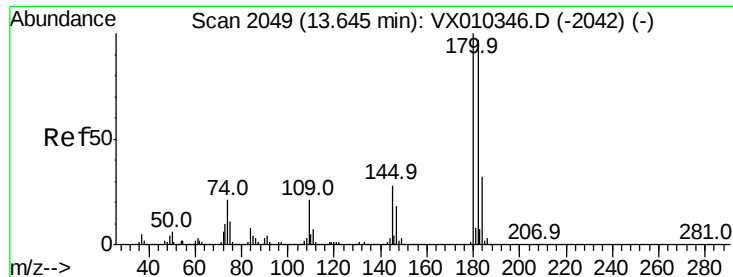
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.539 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.2	54.4	163.1
157	135.8	69.5	208.3





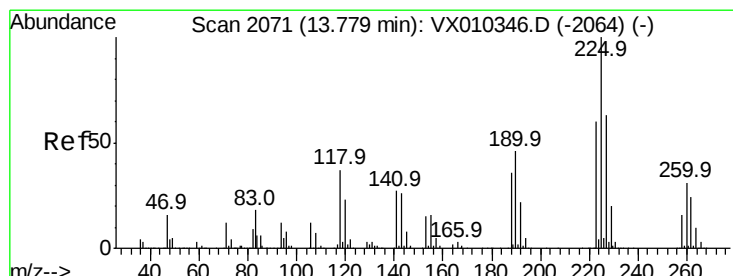
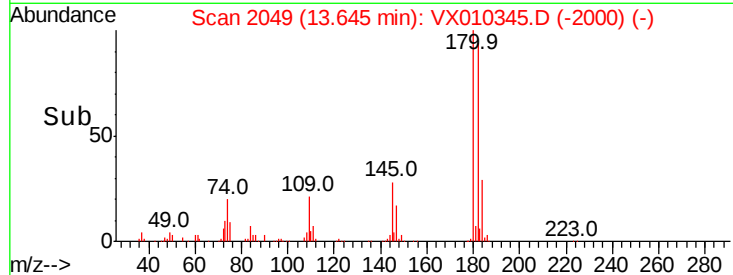
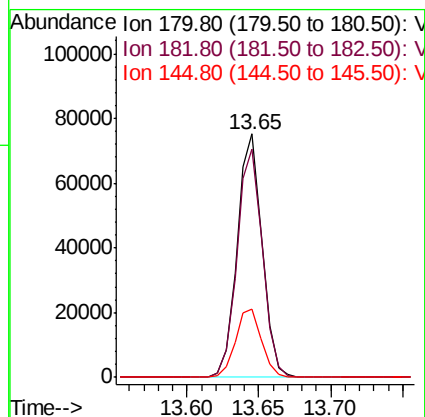
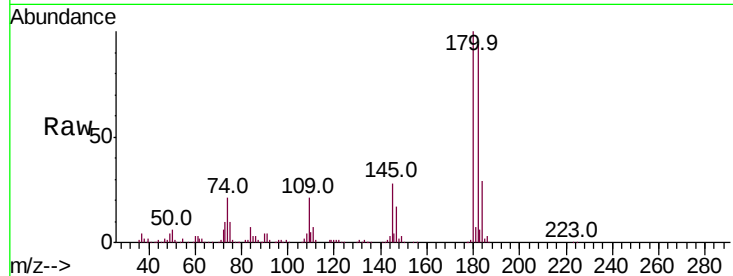
#93
 1,2,4-Trichlorobenzene
 Concen: 18.880 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	91029
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.0	144.0
145	29.2	14.4	43.4

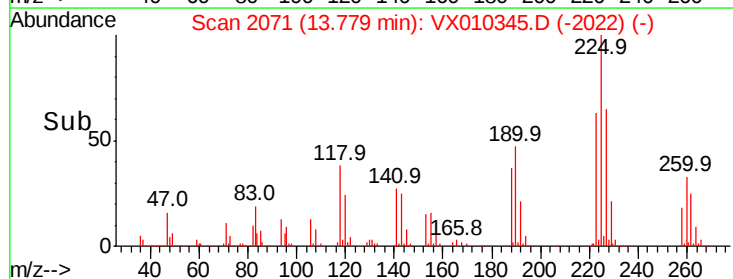
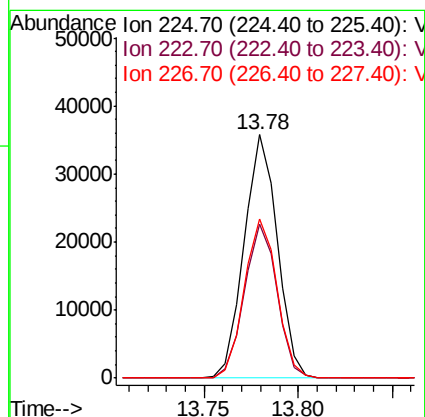
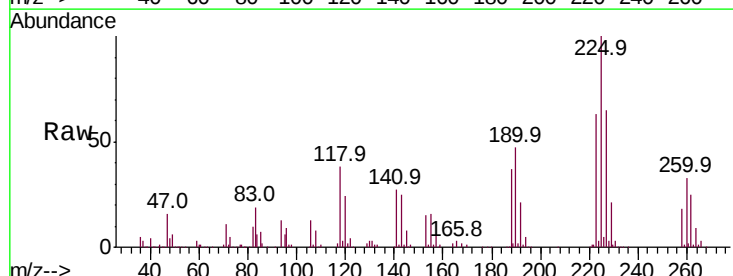
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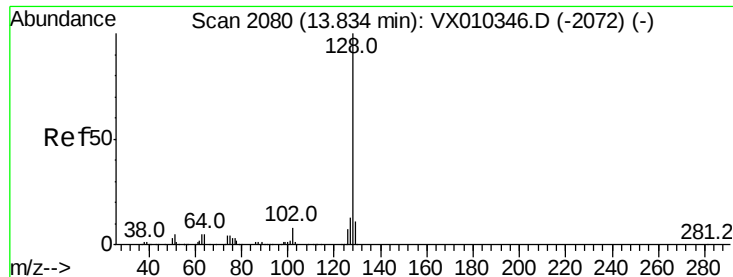
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#94
 Hexachlorobutadiene
 Concen: 20.151 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010345.D
 Acq: 19 Jun 2019 13:04

Tgt Ion:	225	Resp:	43867
Ion Ratio	Lower	Upper	
225	100		
223	62.0	30.9	92.7
227	64.2	31.9	95.5





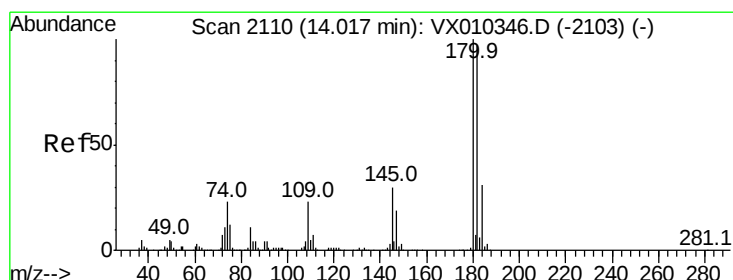
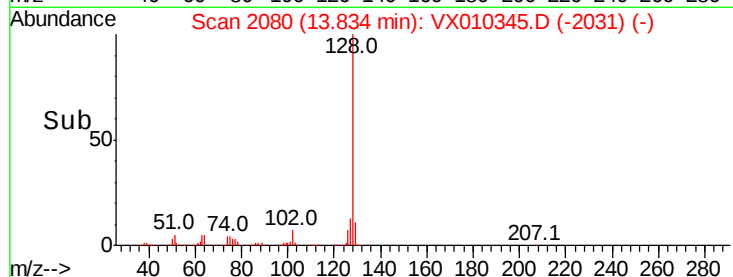
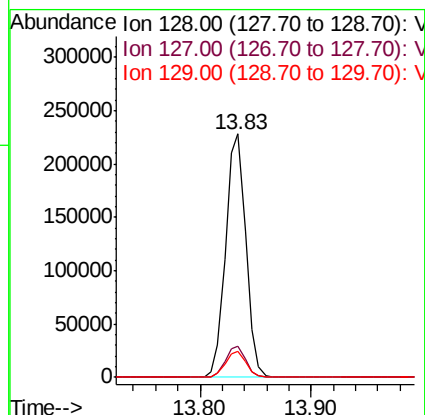
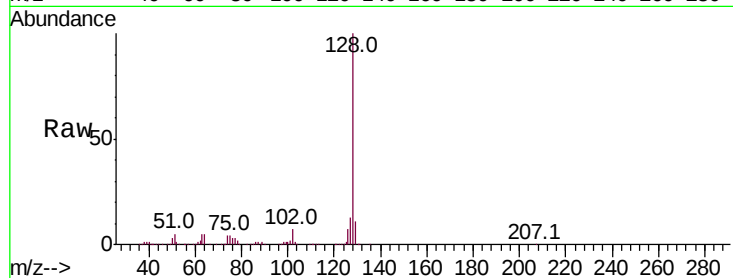
#95
Naphthalene
Concen: 18.920 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	285993		
127	13.0		10.2	15.4
129	10.9		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.055 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010345.D
Acq: 19 Jun 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	91011		
182	97.7		47.8	143.3
145	29.9		15.2	45.6

