

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010481.D
 Acq On : 27 Jun 2019 12:12
 Operator : JC/SP
 Sample : VX0627WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:37:31 AM

Quant Time: Jun 28 07:02:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	117440	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	5.50	113	114473	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	8.71	98	436712	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	152834	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	30959	17.707	ug/l	98
3) Chloromethane	1.33	50	35902	17.634	ug/l	100
4) Vinyl Chloride	1.41	62	39611	17.763	ug/l	97
5) Bromomethane	1.64	94	23227	21.380	ug/l	98
6) Chloroethane	1.72	64	25146	19.113	ug/l	98
7) Trichlorofluoromethane	1.93	101	68679	19.428	ug/l	95
8) Diethyl Ether	2.19	74	25175	19.858	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40656	18.978	ug/l	99
10) Methyl Iodide	2.51	142	54895	17.955	ug/l	98
11) Tert butyl alcohol	3.05	59	59216	95.972	ug/l	100
12) 1,1-Dichloroethene	2.37	96	40348	18.509	ug/l	98
13) Acrolein	2.29	56	32140	78.522	ug/l	100
14) Allyl chloride	2.73	41	57284	18.510	ug/l	98
15) Acrylonitrile	3.14	53	120471	98.616	ug/l	99
16) Acetone	2.45	43	111751	94.564	ug/l	99
17) Carbon Disulfide	2.57	76	93578	16.001	ug/l	100
18) Methyl Acetate	2.78	43	46447	19.720	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	132351	19.300	ug/l	99
20) Methylene Chloride	2.86	84	46454	19.101	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	43256	18.450	ug/l	96
22) Diisopropyl ether	3.85	45	125570	19.406	ug/l	97
23) Vinyl Acetate	3.81	43	546266	97.725	ug/l	100
24) 1,1-Dichloroethane	3.70	63	72711	19.440	ug/l	99
25) 2-Butanone	4.67	43	168158	97.006	ug/l	100
26) 2,2-Dichloropropane	4.58	77	58687	18.063	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	51653	19.065	ug/l	99
28) Bromochloromethane	5.02	49	38509	21.534	ug/l	99
29) Tetrahydrofuran	5.13	42	105465	98.223	ug/l	99
30) Chloroform	5.21	83	77505	19.259	ug/l	99
31) Cyclohexane	5.59	56	63419	18.620	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	67708	19.054	ug/l	99
36) 1,1-Dichloropropene	5.80	75	54203	18.254	ug/l	100
37) Ethyl Acetate	4.83	43	60302	19.741	ug/l	97
38) Carbon Tetrachloride	5.78	117	59986	18.656	ug/l	94

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71645	18.356	ug/l	98
40) Benzene	6.14	78	175960	19.021	ug/l	100
41) Methacrylonitrile	5.04	41	32268	19.252	ug/l	98
42) 1,2-Dichloroethane	6.19	62	56964	20.229	ug/l	100
43) Isopropyl Acetate	6.45	43	97713	19.334	ug/l	100
44) Trichloroethene	7.21	130	52515	18.971	ug/l	97
45) 1,2-Dichloropropane	7.51	63	44587	19.086	ug/l	99
46) Dibromomethane	7.66	93	33108	19.753	ug/l	98
47) Bromodichloromethane	7.90	83	58310	18.983	ug/l	99
48) Methyl methacrylate	7.77	41	44838	19.087	ug/l	97
49) 1,4-Dioxane	7.74	88	27904	412.332	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	326207	100.919	ug/l	99
52) Toluene	8.79	92	117807	19.338	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	61192	17.769	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	68806	18.386	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	50277	20.011	ug/l	99
56) Ethyl methacrylate	9.18	69	73309	19.261	ug/l	99
57) 1,3-Dichloropropane	9.37	76	76641	19.651	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	170049	94.074	ug/l	99
59) 2-Hexanone	9.49	43	252733	99.346	ug/l	99
60) Dibromochloromethane	9.58	129	51490	18.303	ug/l	98
61) 1,2-Dibromoethane	9.67	107	52564	19.382	ug/l	99
64) Tetrachloroethene	9.34	164	54530	19.961	ug/l	93
65) Chlorobenzene	10.13	112	131744	19.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	47428	18.989	ug/l	99
67) Ethyl Benzene	10.25	91	223504	19.307	ug/l	100
68) m/p-Xylenes	10.36	106	171091	38.143	ug/l	100
69) o-Xylene	10.69	106	85060	19.283	ug/l	98
70) Styrene	10.71	104	143131	19.349	ug/l	99
71) Bromoform	10.85	173	39522	18.196	ug/l #	99
73) Isopropylbenzene	11.02	105	228008	19.906	ug/l	99
74) N-amyl acetate	10.90	43	86446	19.970	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	77212	20.354	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	62317m	20.238	ug/l	
77) Bromobenzene	11.26	156	61901	19.354	ug/l	98
78) n-propylbenzene	11.36	91	245185	19.476	ug/l	100
79) 2-Chlorotoluene	11.42	91	145233	19.374	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	185387	19.633	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22346	16.930	ug/l	94
82) 4-Chlorotoluene	11.51	91	167043	19.583	ug/l	98
83) tert-Butylbenzene	11.77	119	186250	19.652	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	187955	19.812	ug/l	99
85) sec-Butylbenzene	11.94	105	218278	19.615	ug/l	100
86) p-Isopropyltoluene	12.06	119	201397	19.566	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	107891	19.325	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	107547	18.922	ug/l	97
89) n-Butylbenzene	12.38	91	166199	19.002	ug/l	99
90) Hexachloroethane	12.60	117	30908	17.366	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	111388	20.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15294	18.700	ug/l	95

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Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

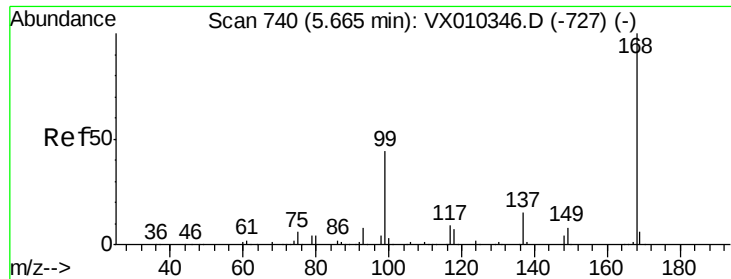
Manual Integrations
APPROVED

MMDadoda
6/28/2019 10:37:31 AM

Quant Time: Jun 28 07:02:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	73073	18.990	ug/l	99
94) Hexachlorobutadiene	13.78	225	36022	19.154	ug/l	99
95) Naphthalene	13.83	128	229019	19.367	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	75327	19.689	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion:168 Resp: 251493

Ion Ratio Lower Upper

168 100

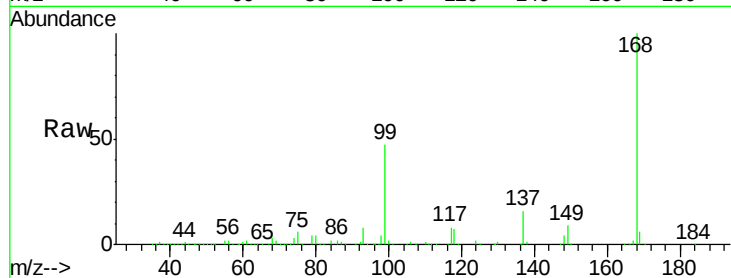
99 46.9 35.5 53.3

Manual Integrations

APPROVED

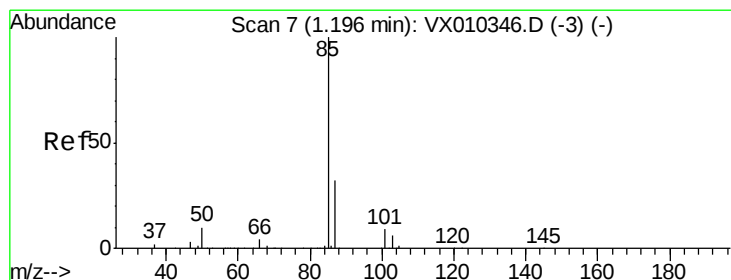
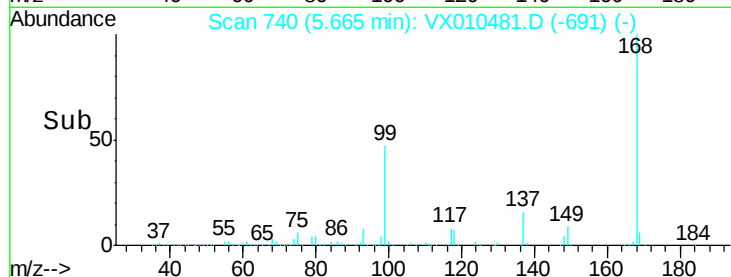
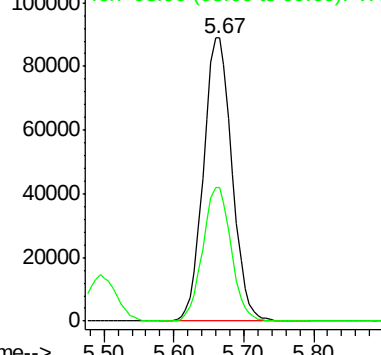
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.707 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010481.D

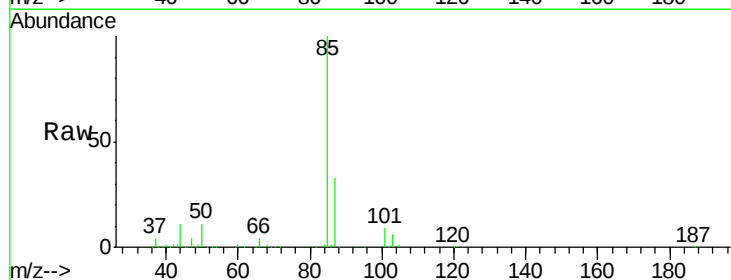
Acq: 27 Jun 2019 12:12

Tgt Ion: 85 Resp: 30959

Ion Ratio Lower Upper

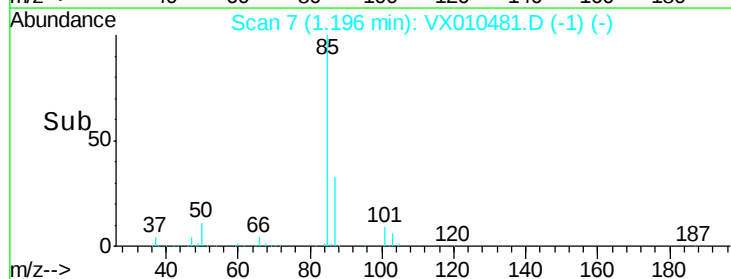
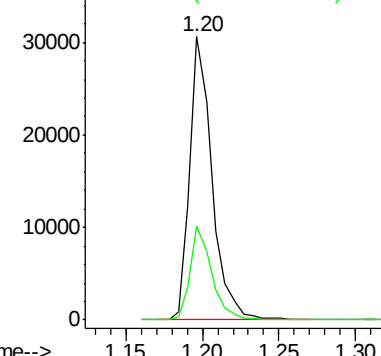
85 100

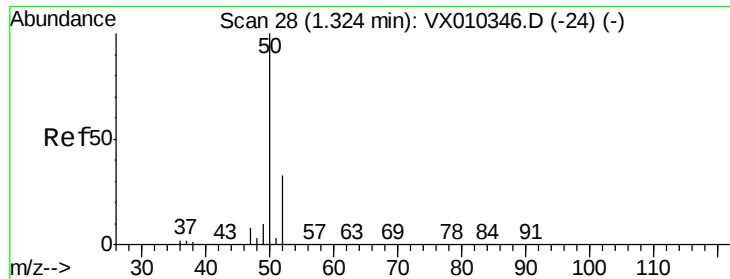
87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.634 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 50 Resp: 35902

Ion Ratio Lower Upper

50 100

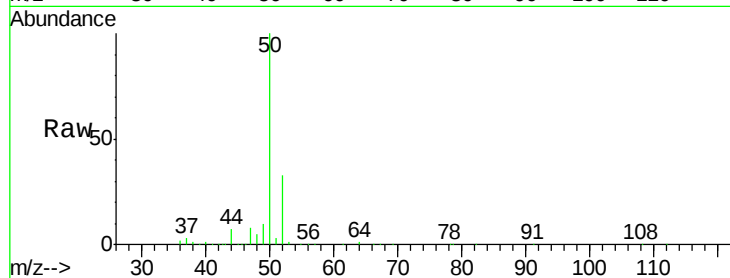
52 33.3 26.5 39.7

Manual Integrations

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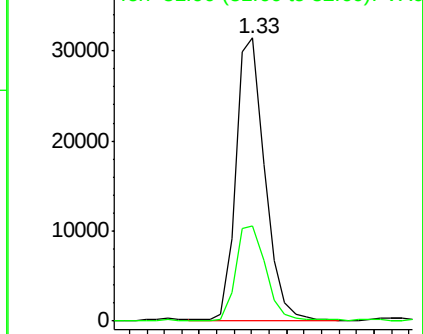
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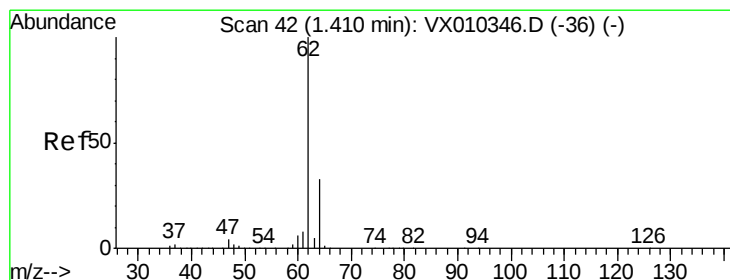
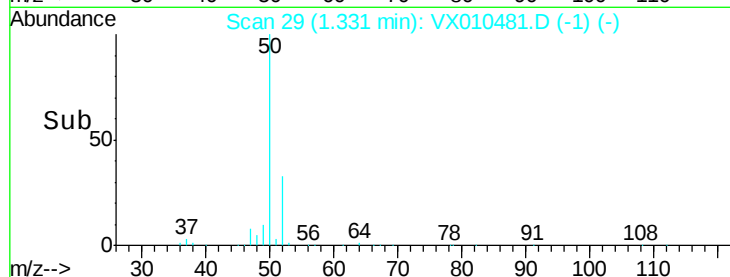


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 17.763 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010481.D

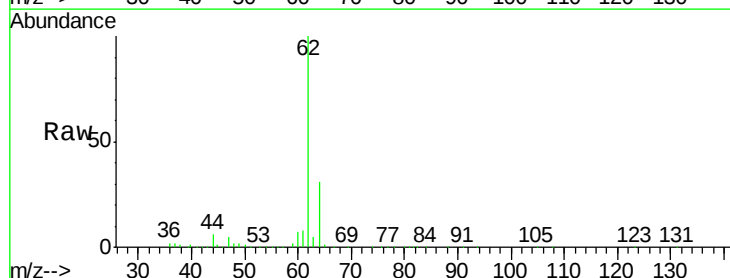
Acq: 27 Jun 2019 12:12

Tgt Ion: 62 Resp: 39611

Ion Ratio Lower Upper

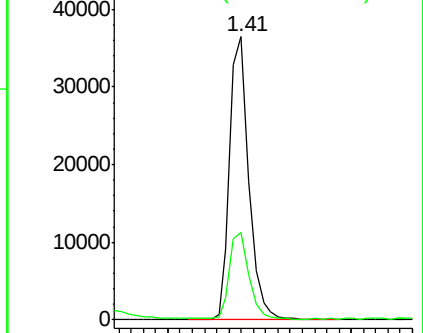
62 100

64 30.8 26.2 39.4

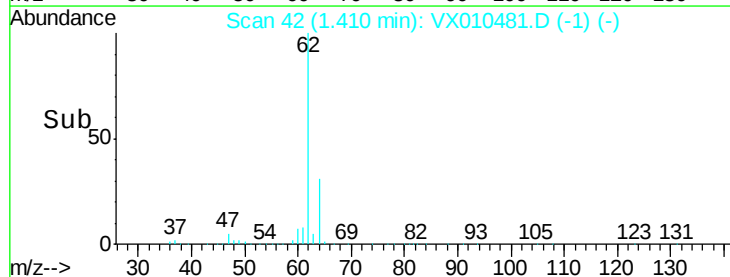


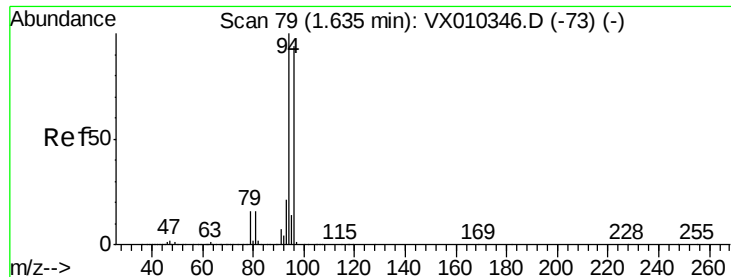
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 21.380 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 94 Resp: 23227

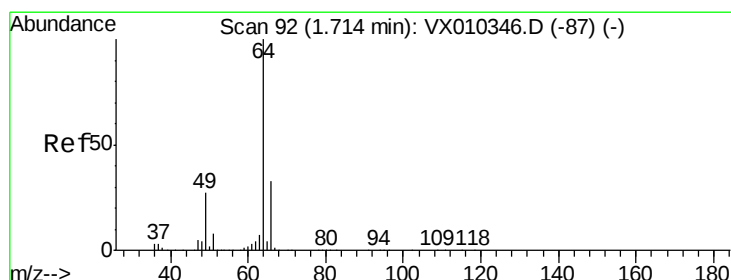
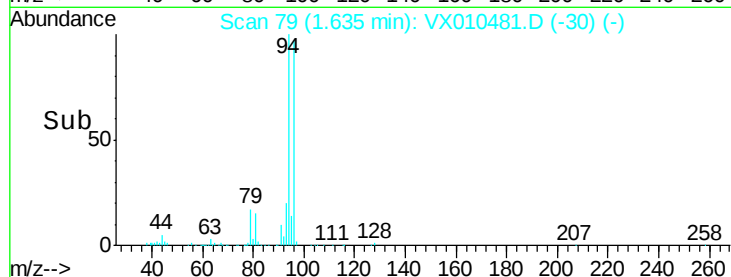
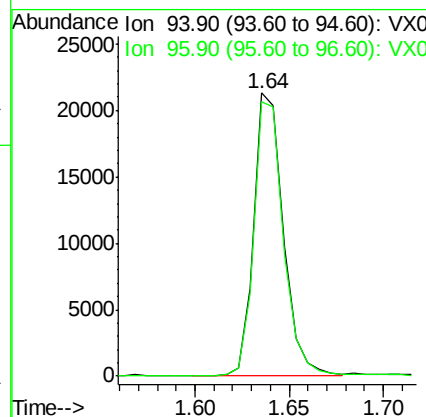
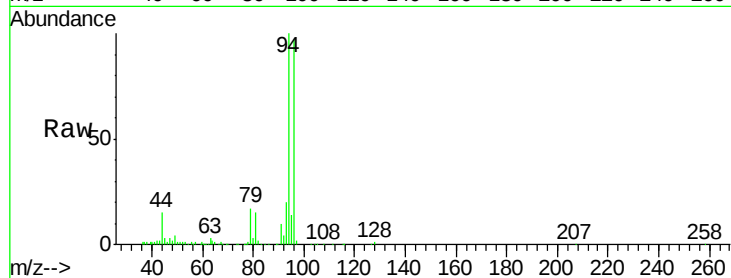
Ion Ratio Lower Upper

94 100

96 96.7 75.5 113.3

Manual Integrations
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#6

Chloroethane

Concen: 19.113 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010481.D

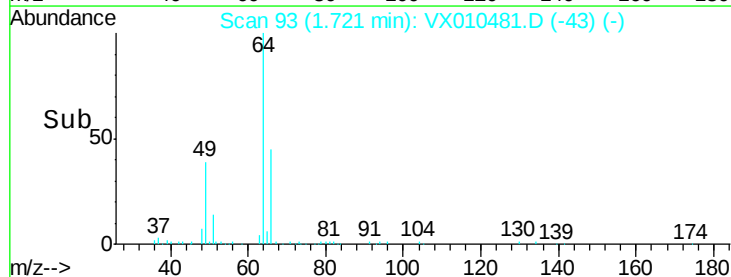
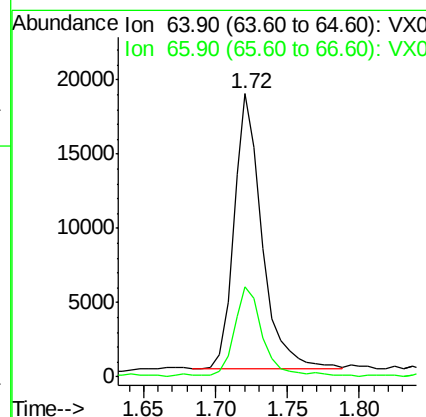
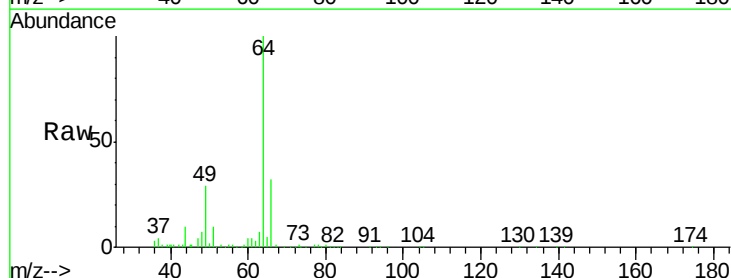
Acq: 27 Jun 2019 12:12

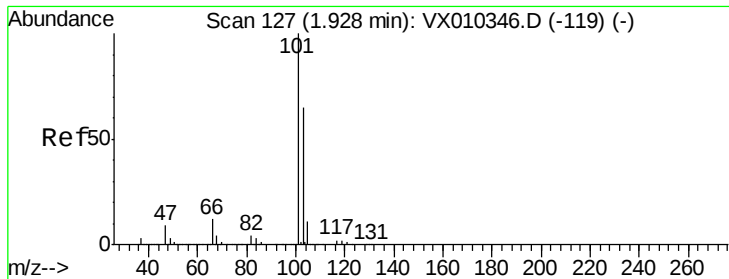
Tgt Ion: 64 Resp: 25146

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0





#7

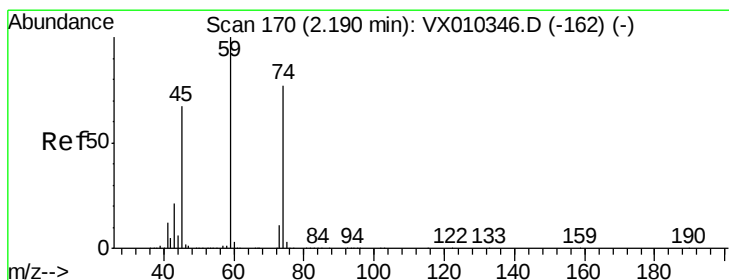
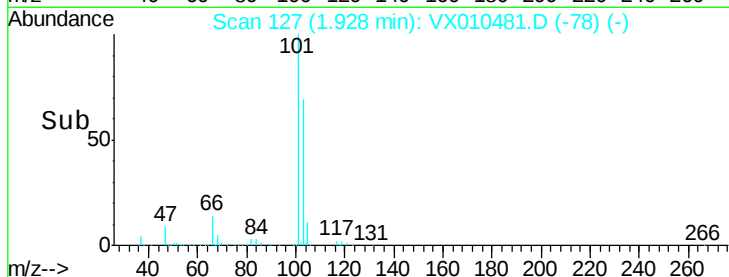
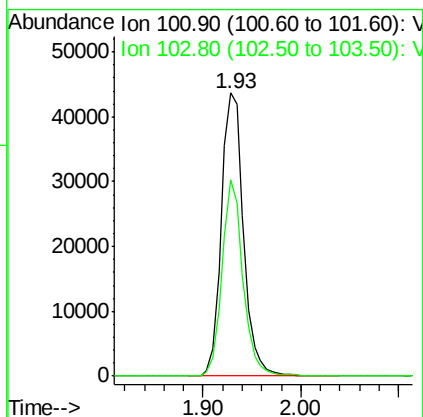
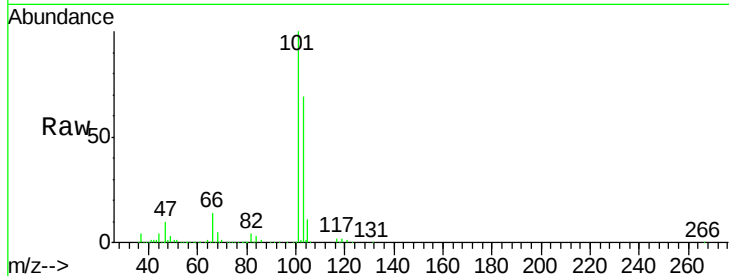
Trichlorofluoromethane
 Concen: 19.428 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	52.3	78.5

Manual Integrations
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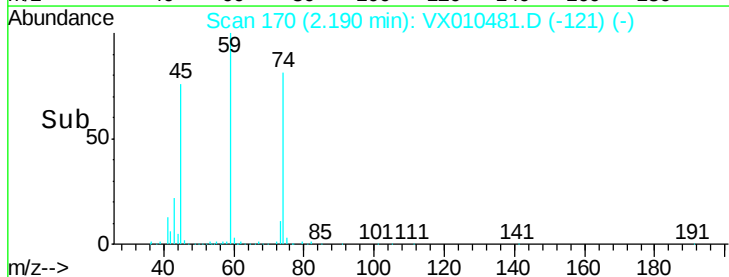
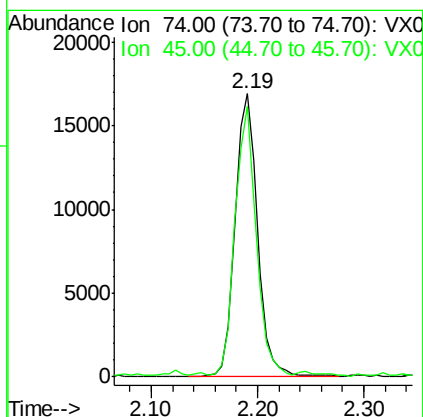
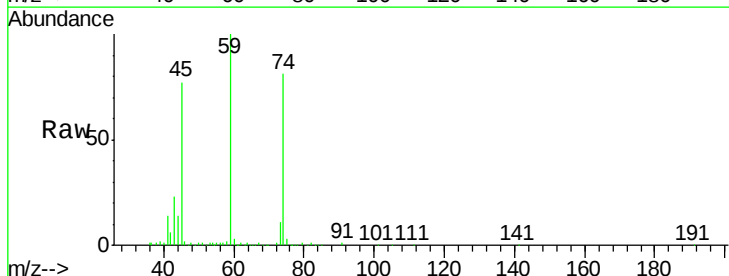
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 6/28/2019 10:37:31 AM

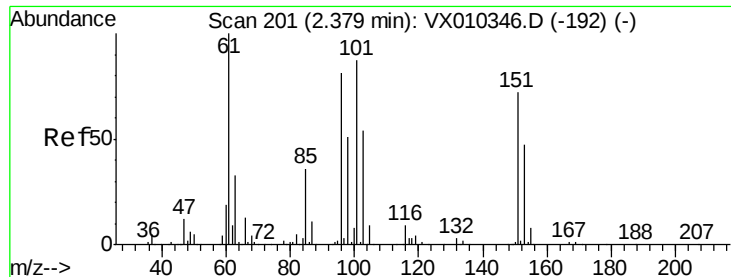


#8

Diethyl Ether
 Concen: 19.858 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.9	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.978 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

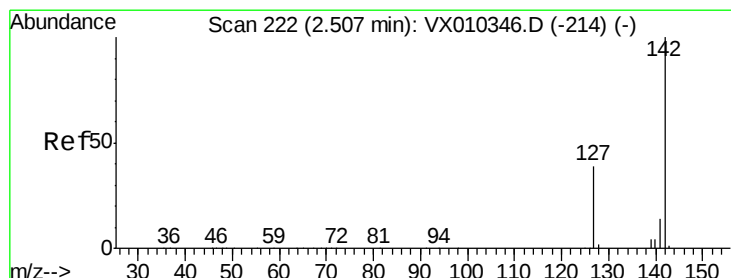
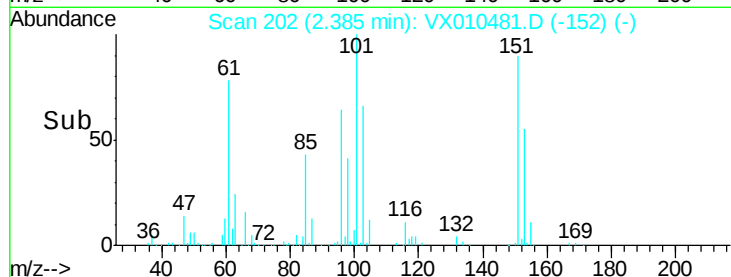
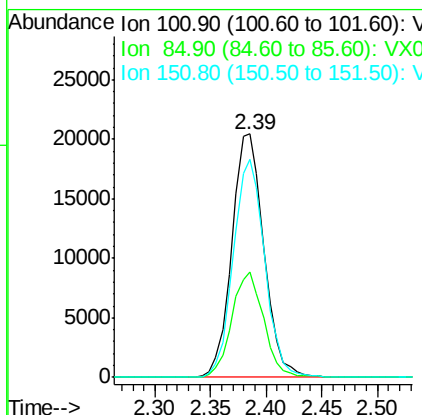
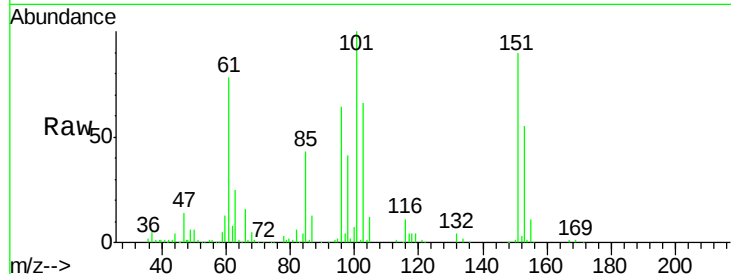
ClientSampleId :

VX0627WBS01

Tot Ion:	101	Resp:	40656
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.7	50.5
151	88.2	70.1	105.1

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#10

Methyl Iodide

Concen: 17.955 ug/l

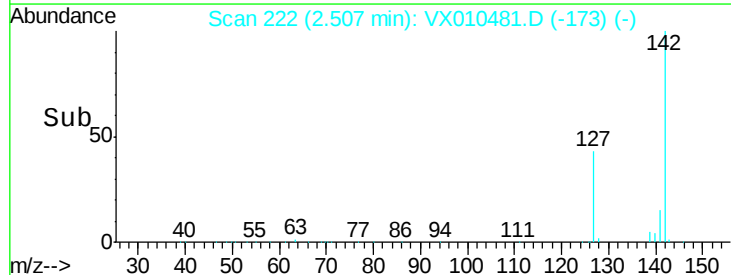
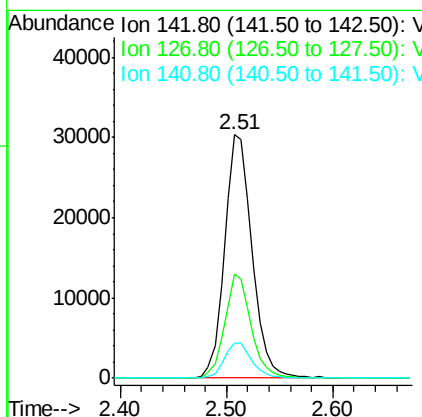
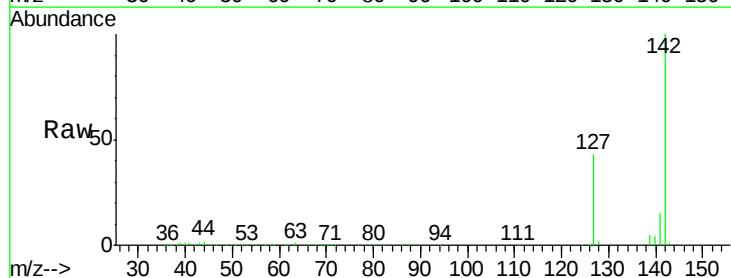
RT: 2.51 min Scan# 222

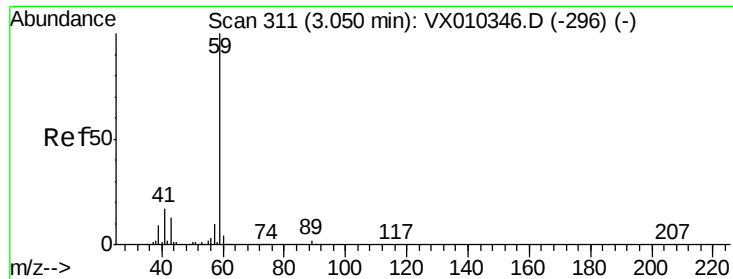
Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:	142	Resp:	54895
Ion Ratio	Lower	Upper	
142	100		
127	40.8	31.1	46.7
141	14.2	11.2	16.8





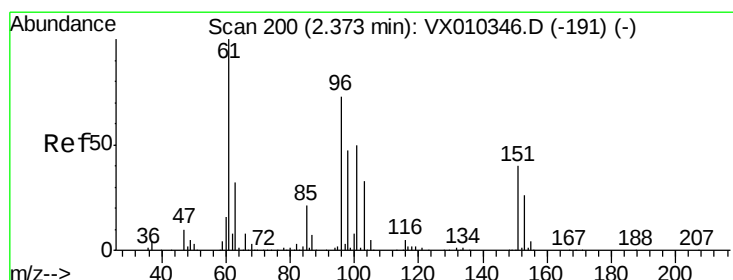
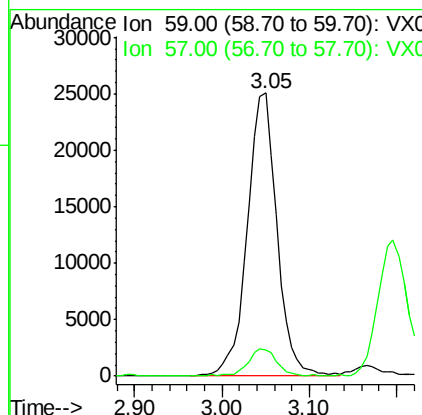
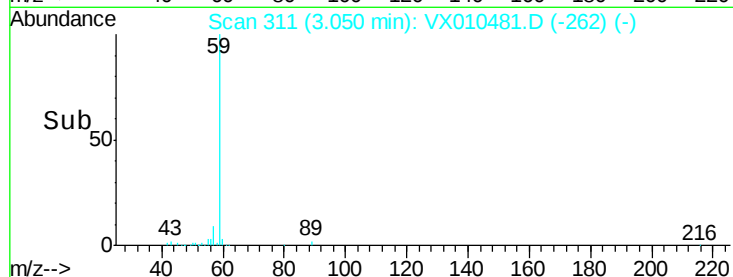
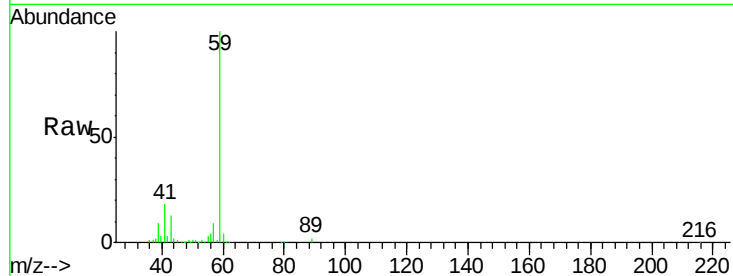
#11
Tert butyl alcohol
Concen: 95.972 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	59216		
57	57	9.5		7.7	11.5

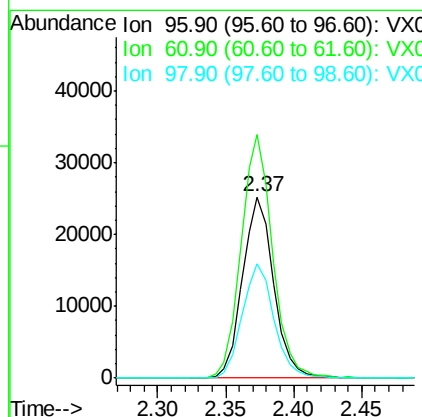
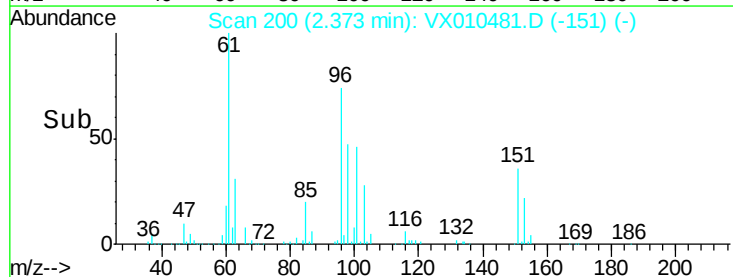
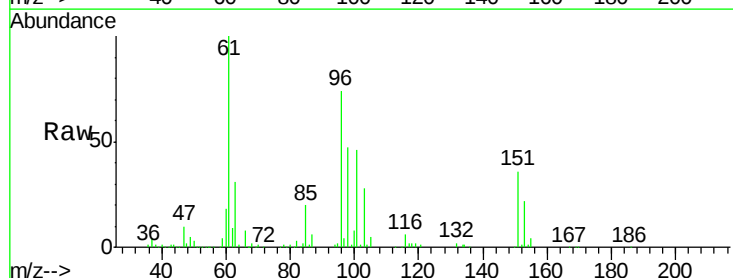
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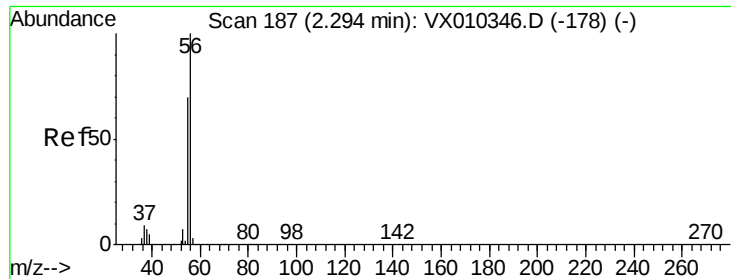
MMDadoda
6/28/2019 10:37:31 AM



#12
1,1-Dichloroethene
Concen: 18.509 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	40348		
61	61	134.2		109.2	163.8
98	98	62.8		51.1	76.7





#13

Acrolein

Concen: 78.522 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 56 Resp: 32140

Ion Ratio Lower Upper

56 100

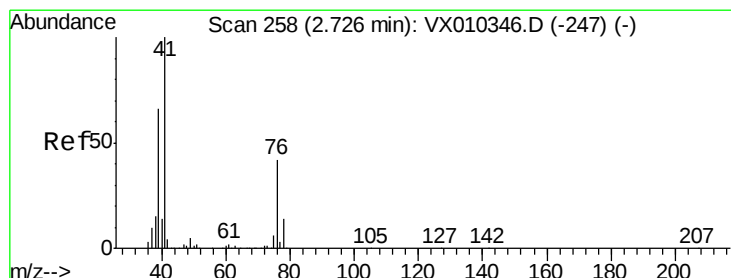
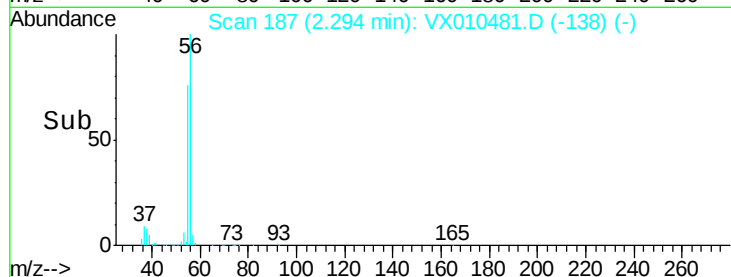
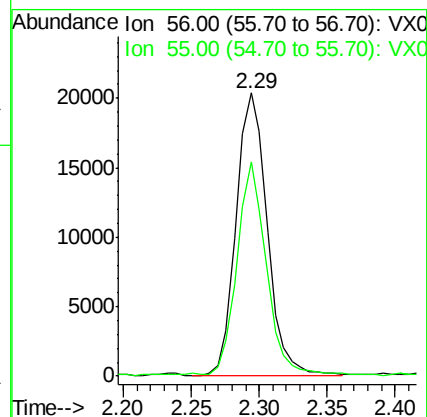
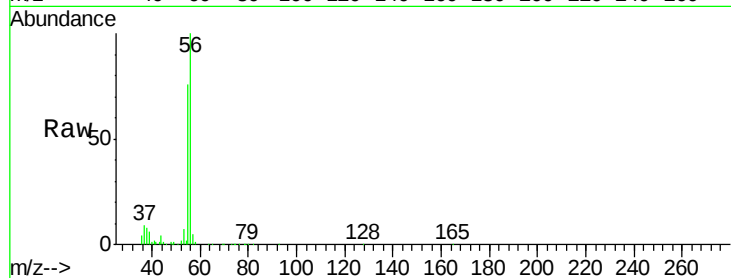
55 71.2 56.9 85.3

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#14

Allyl chloride

Concen: 18.510 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

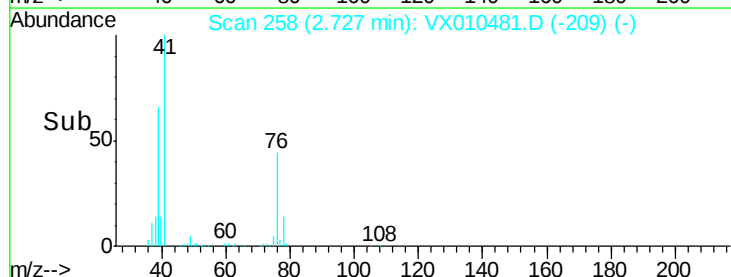
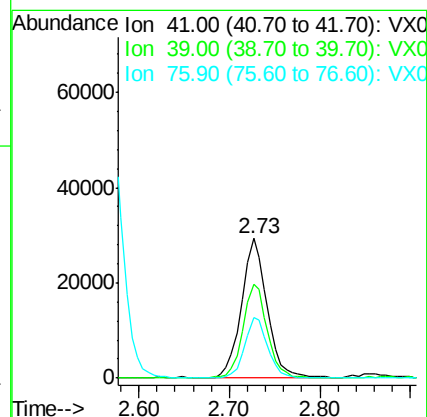
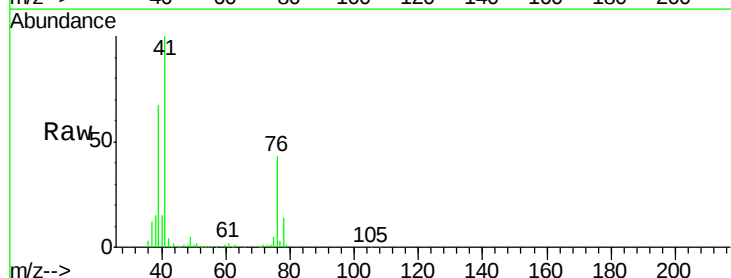
Tgt Ion: 41 Resp: 57284

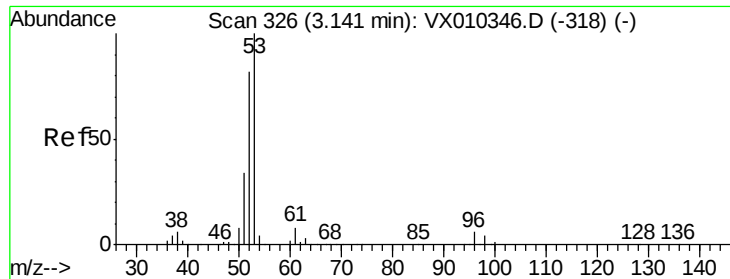
Ion Ratio Lower Upper

41 100

39 64.9 50.3 75.5

76 39.6 31.3 46.9





#15

Acrylonitrile

Concen: 98.616 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

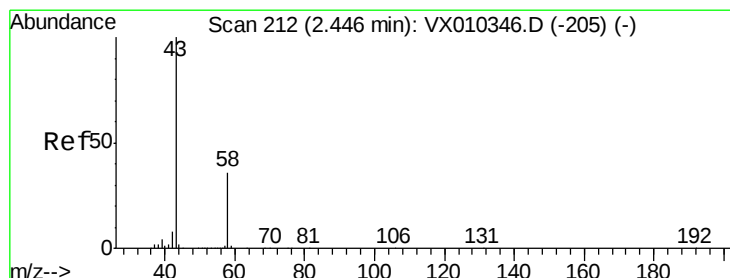
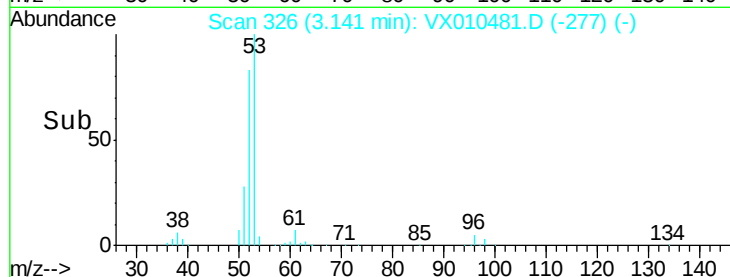
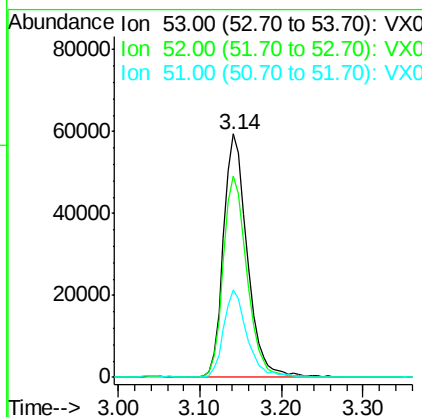
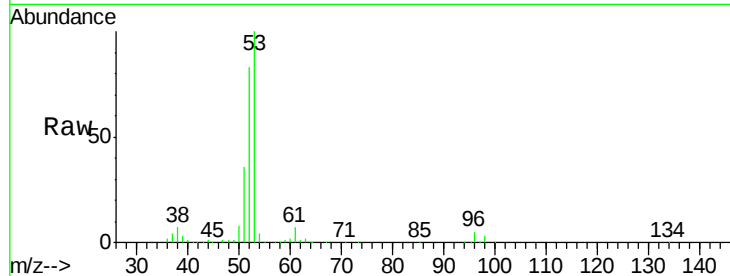
ClientSampleId :

VX0627WBS01

Tot Ion:	53	Resp:	120471
Ion Ratio		Lower	Upper
53	100		
52	82.5	65.5	98.3
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 94.564 ug/l

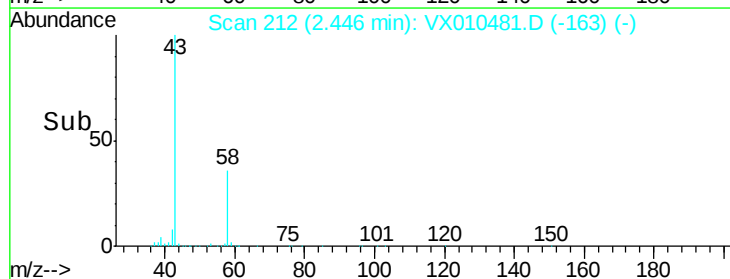
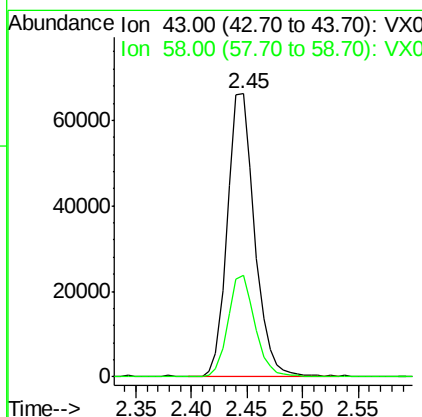
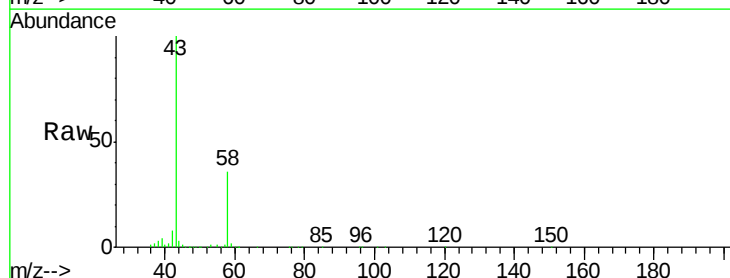
RT: 2.45 min Scan# 212

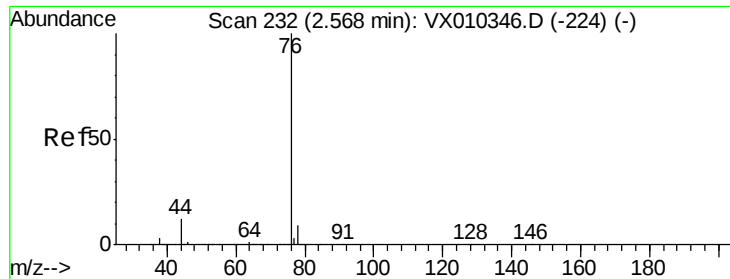
Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:	43	Resp:	111751
Ion Ratio		Lower	Upper
43	100		
58	35.8	28.9	43.3





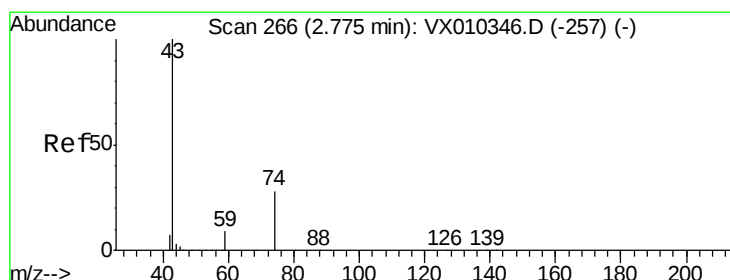
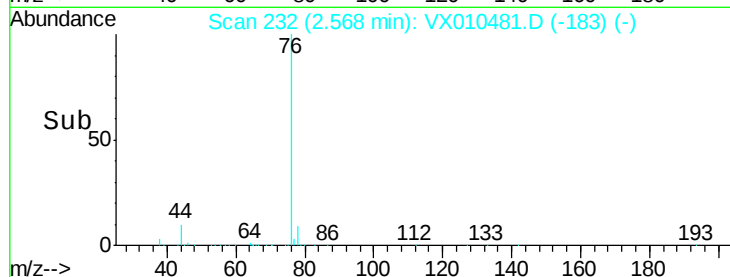
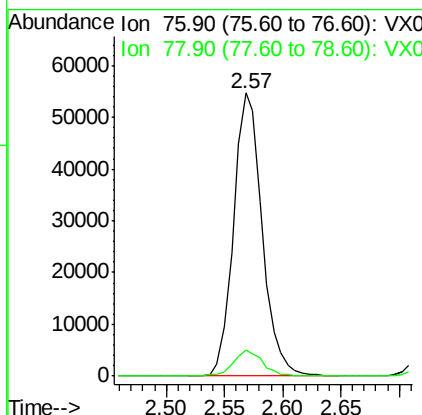
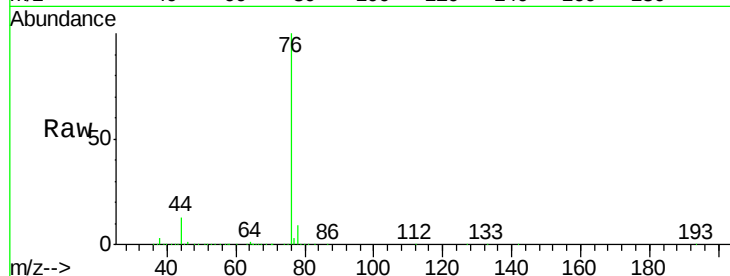
#17
Carbon Disulfide
Concen: 16.001 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	76	Resp	93578
Ion Ratio	100	Lower	Upper
76	100		
78	9.0	7.3	10.9

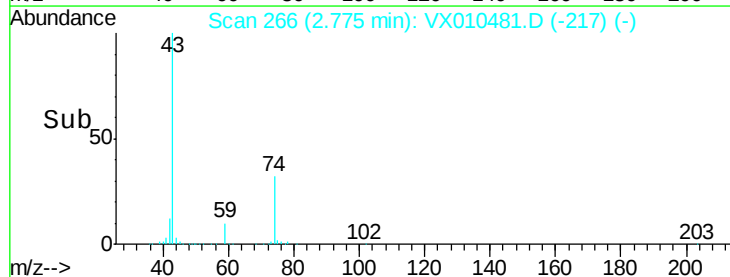
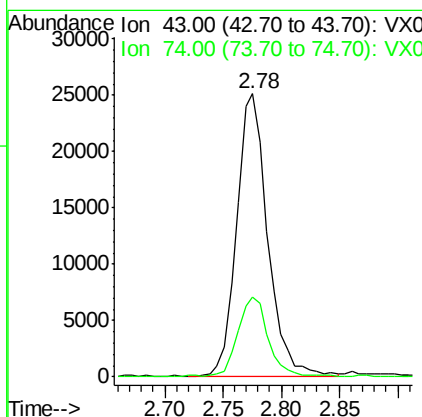
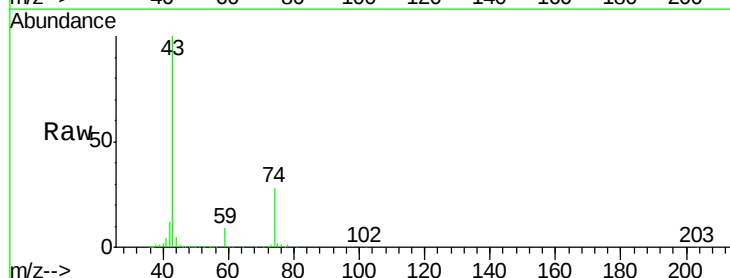
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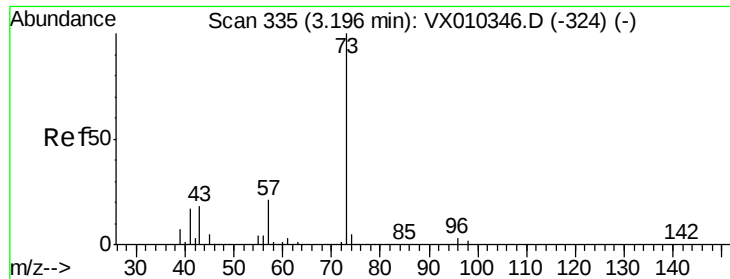
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#18
Methyl Acetate
Concen: 19.720 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	43	Resp	46447
Ion Ratio	100	Lower	Upper
43	100		
74	27.6	21.3	31.9





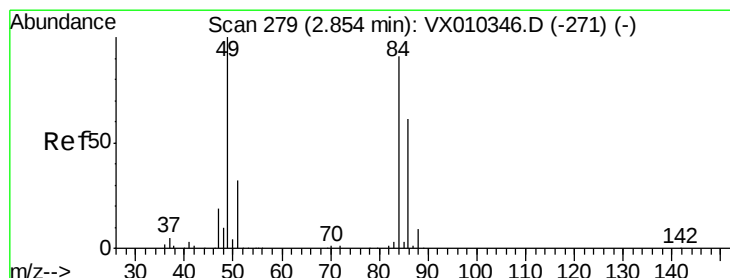
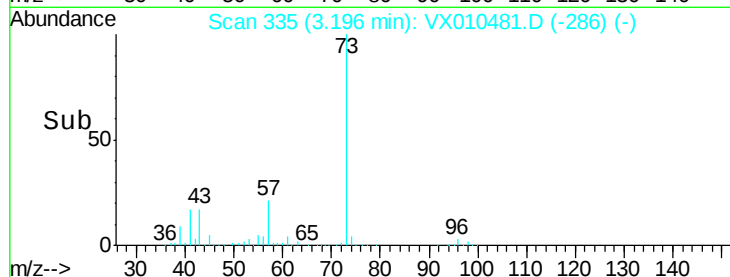
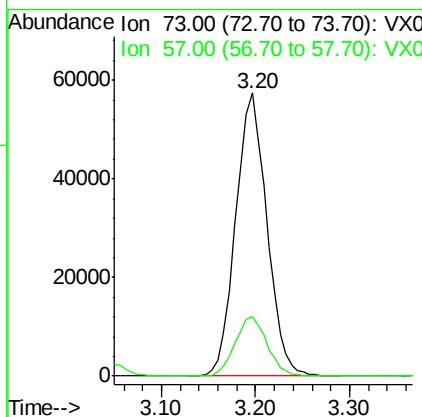
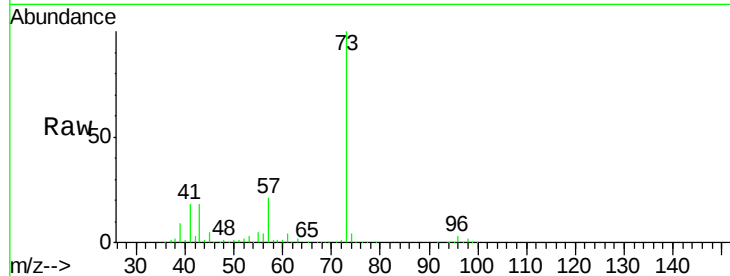
#19
Methyl tert-butyl Ether
Concen: 19.300 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.4	24.6

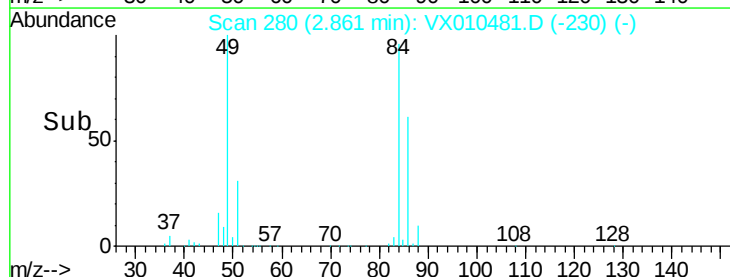
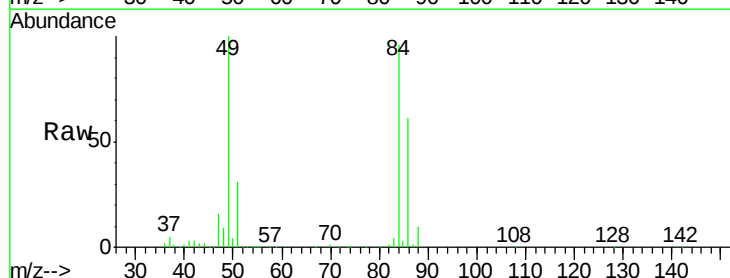
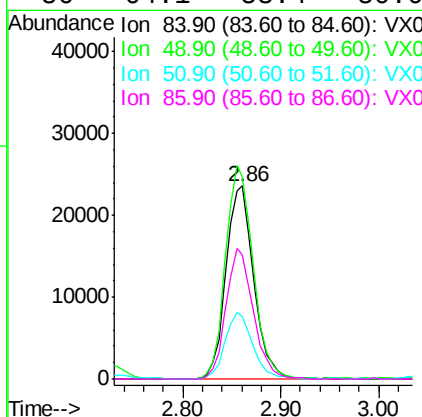
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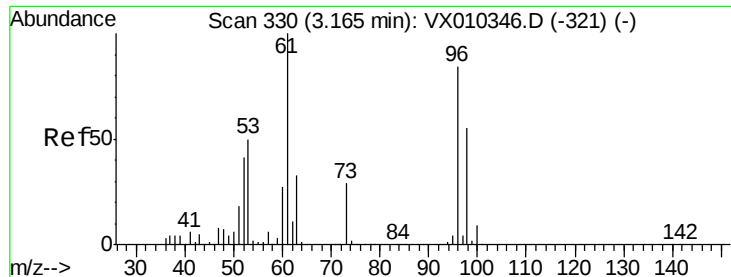
MMDadoda
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#20
Methylene Chloride
Concen: 19.101 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.4	87.5	131.3
51	32.6	27.7	41.5
86	64.1	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 18.450 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

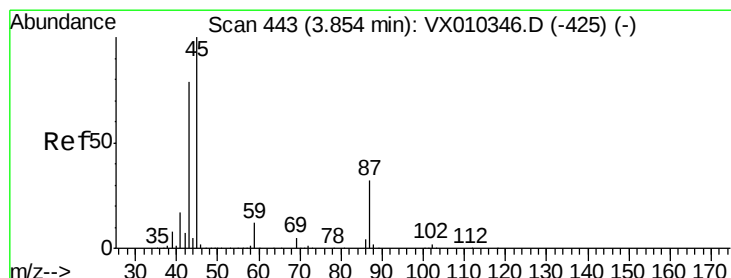
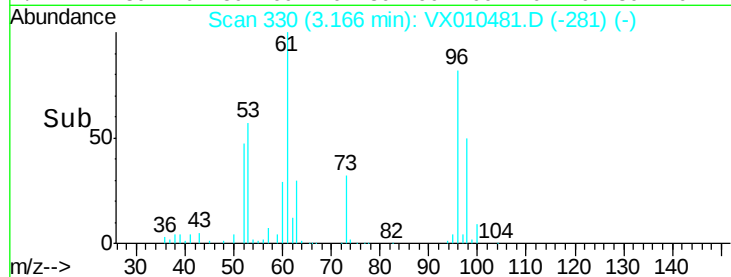
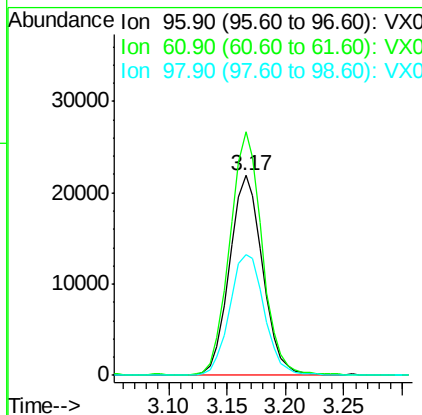
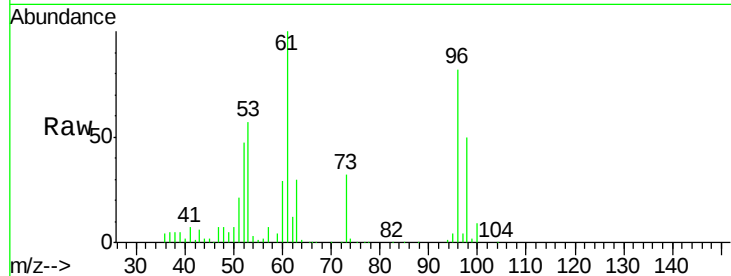
ClientSampleId :

VX0627WBS01

Tot Ion:	96	Resp:	43256
Ion	Ratio	Lower	Upper
96	100		
61	121.7	95.6	143.4
98	60.5	52.5	78.7

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#22

Diisopropyl ether

Concen: 19.406 ug/l

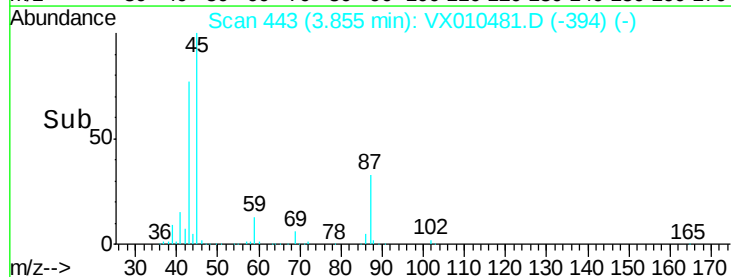
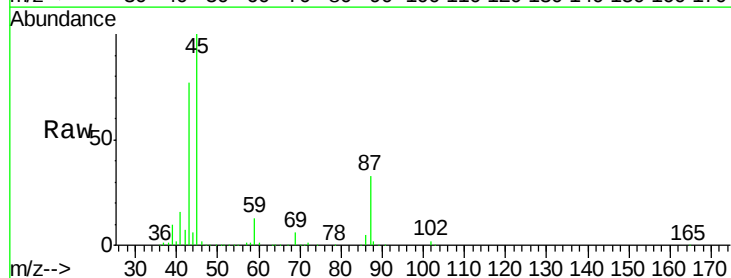
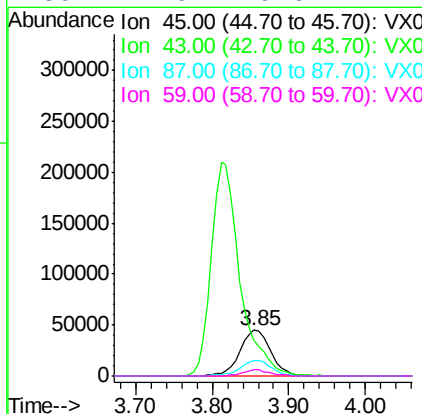
RT: 3.85 min Scan# 443

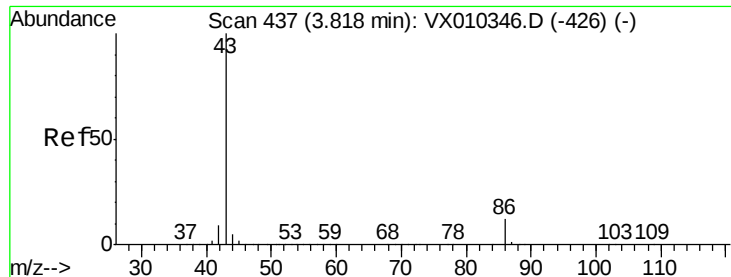
Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:	45	Resp:	125570
Ion	Ratio	Lower	Upper
45	100		
43	76.3	63.3	94.9
87	33.5	25.8	38.8
59	12.9	9.6	14.4





#23

Vinyl Acetate

Concen: 97.725 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 43 Resp: 546266

Ion Ratio Lower Upper

43 100

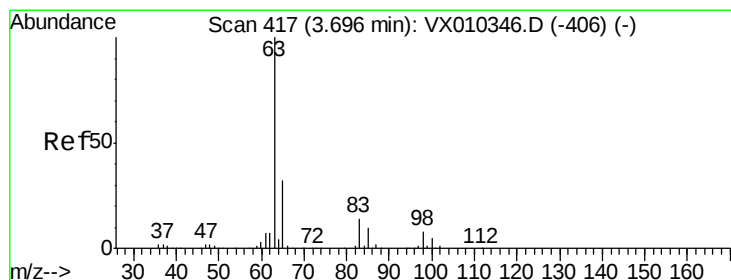
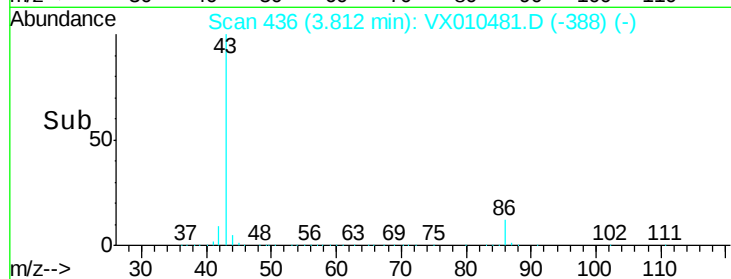
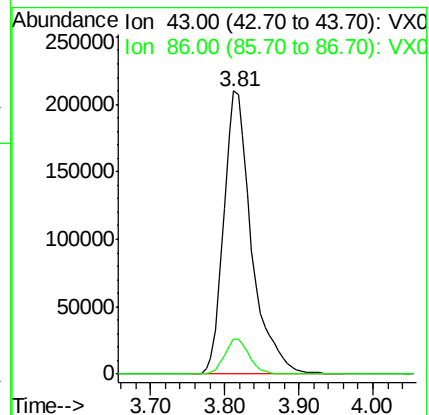
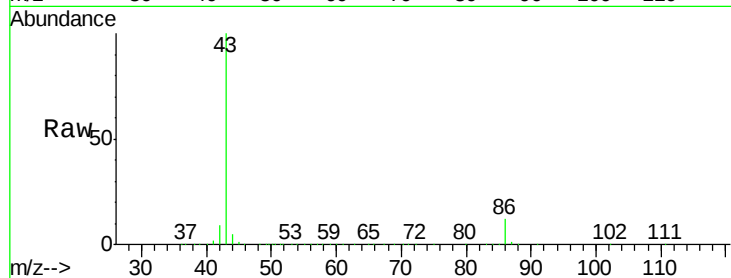
86 12.3 9.9 14.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.440 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

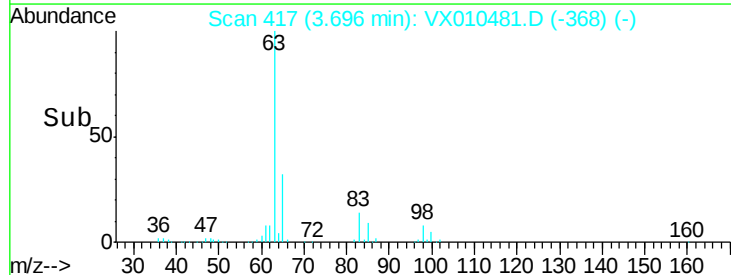
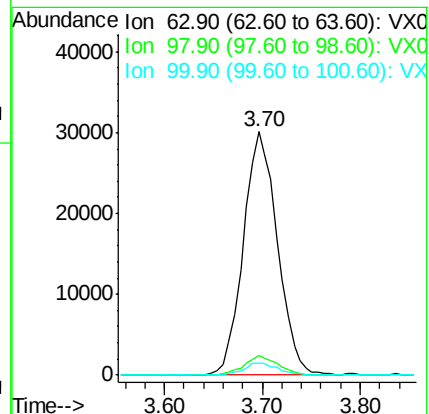
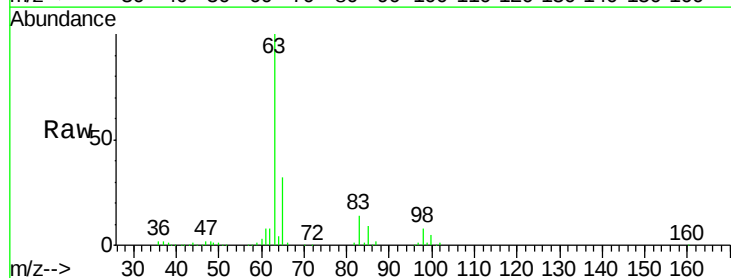
Tgt Ion: 63 Resp: 72711

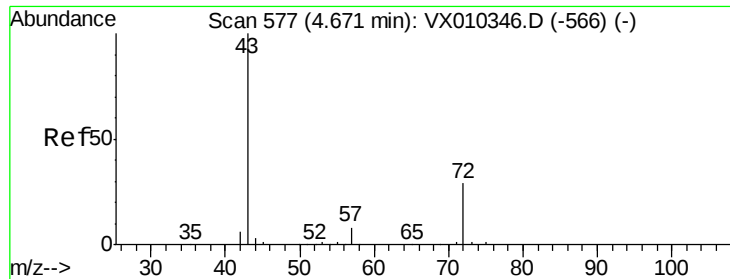
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 5.1 2.4 7.1





#25

2-Butanone

Concen: 97.006 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 43 Resp: 168158

Ion Ratio Lower Upper

43 100

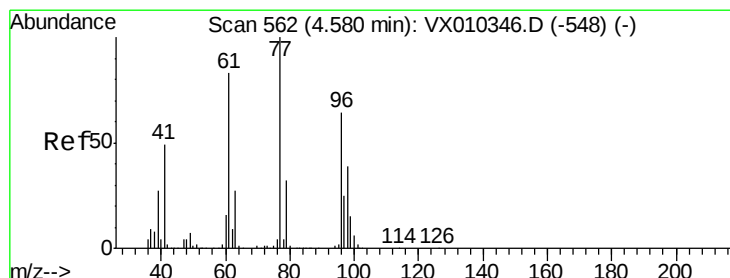
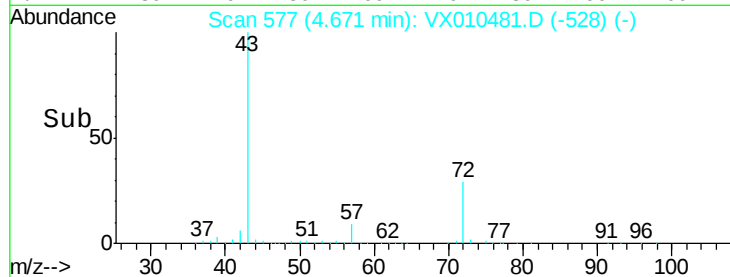
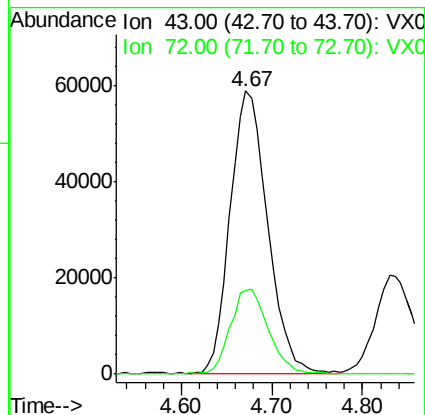
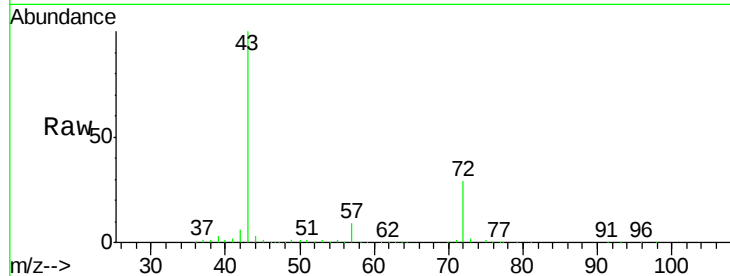
72 29.3 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.063 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010481.D

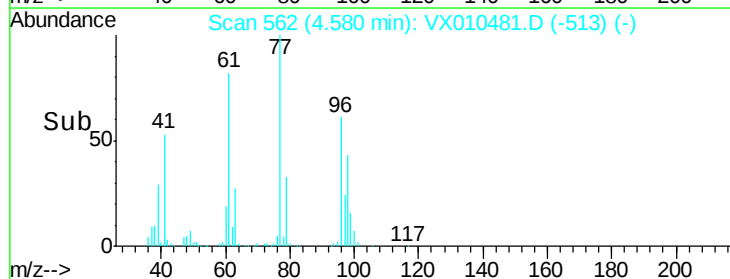
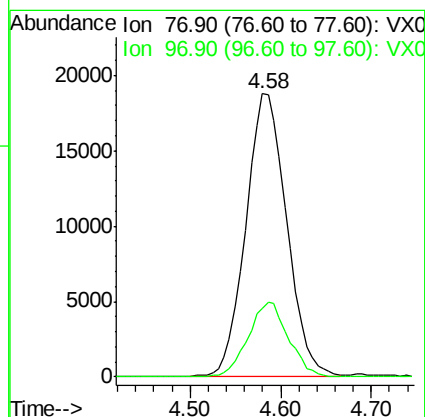
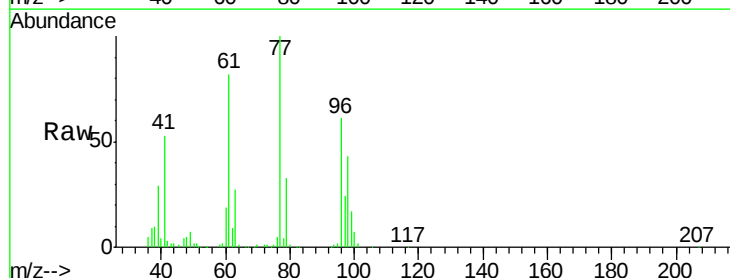
Acq: 27 Jun 2019 12:12

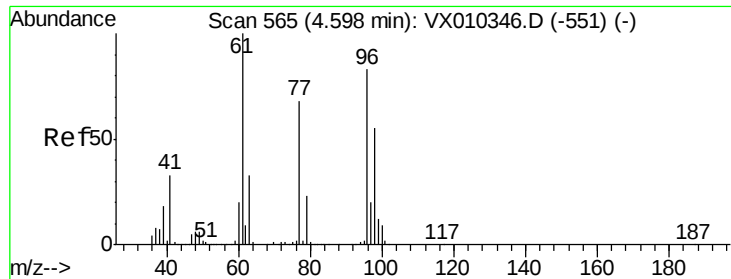
Tgt Ion: 77 Resp: 58687

Ion Ratio Lower Upper

77 100

97 26.0 13.1 39.3





#27

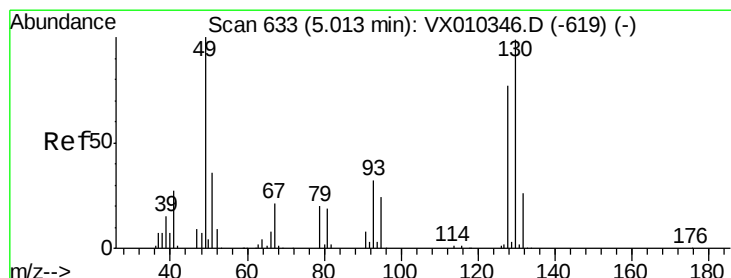
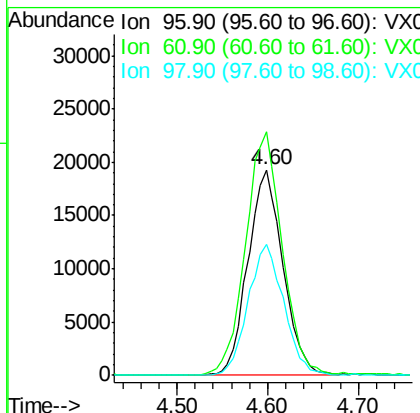
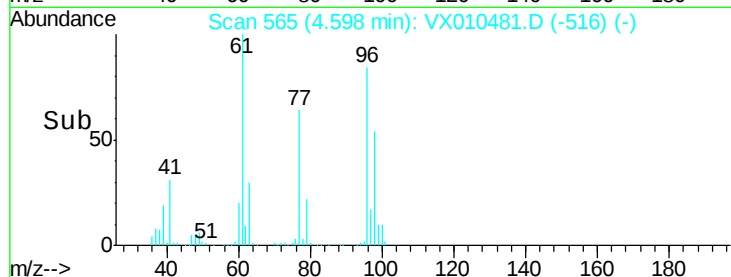
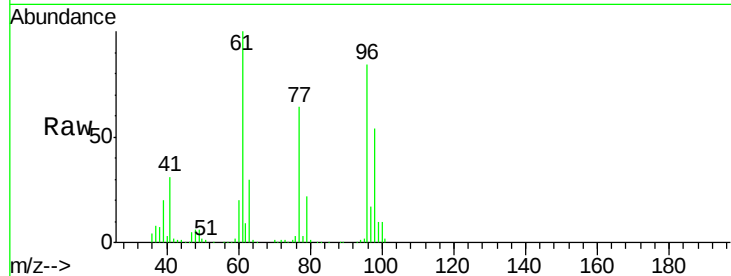
cis-1,2-Dichloroethene
 Concen: 19.065 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.2	0.0	251.8
98	65.1	0.0	129.4

Manual Integrations
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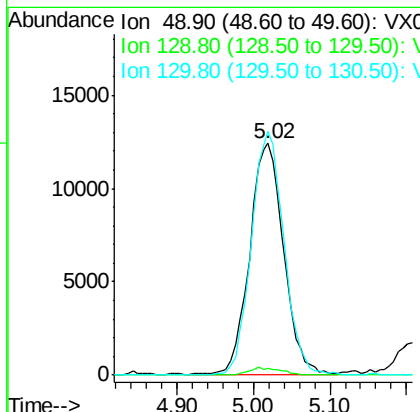
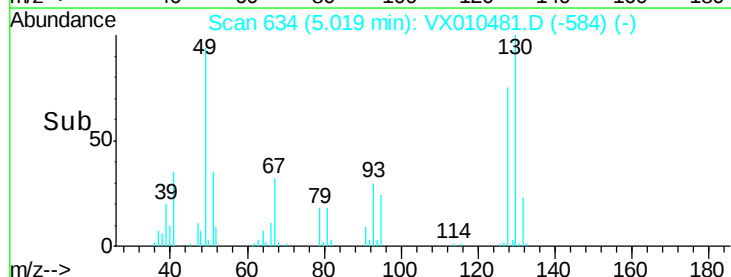
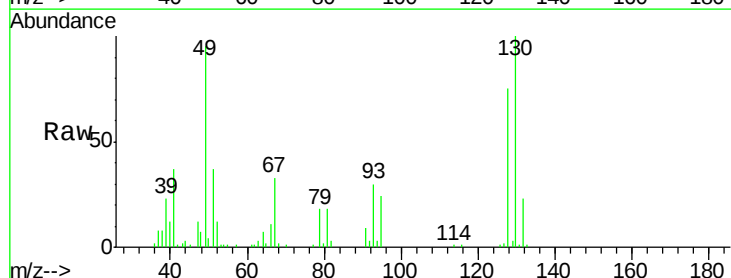
MMDadoda
 6/28/2019 10:37:31 AM

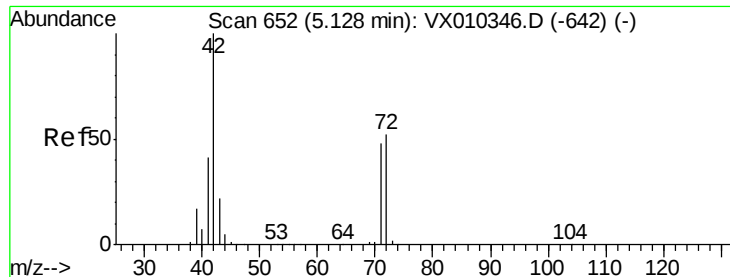


#28

Bromochloromethane
 Concen: 21.534 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.6
130	100.7	81.4	122.0





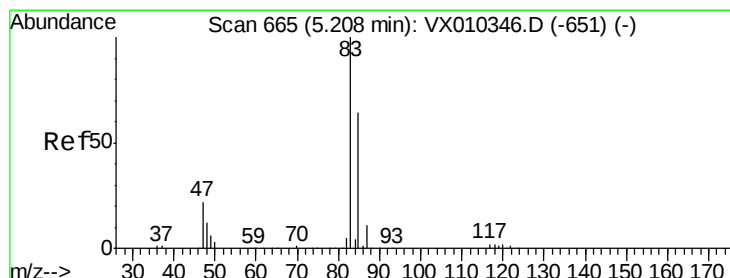
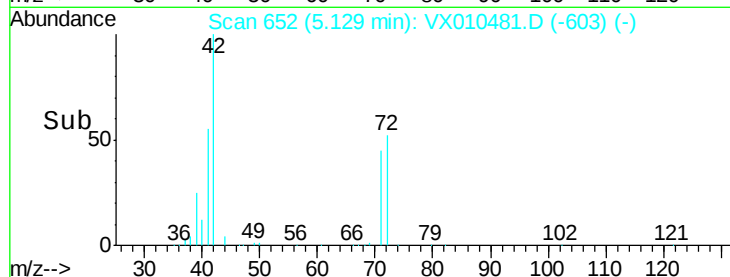
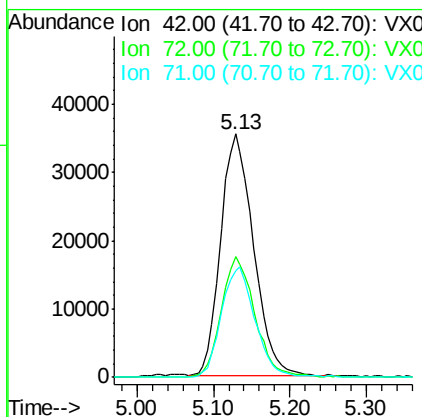
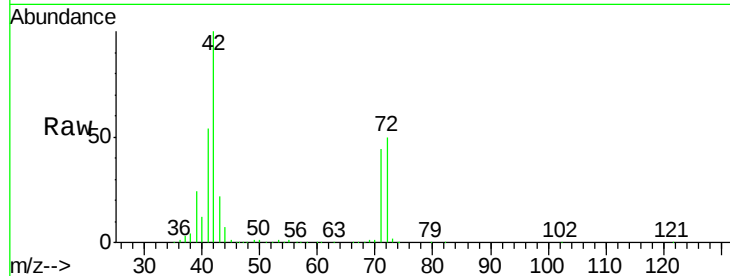
#29
Tetrahydrofuran
Concen: 98.223 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.1	40.6	60.8
71	46.6	37.8	56.8

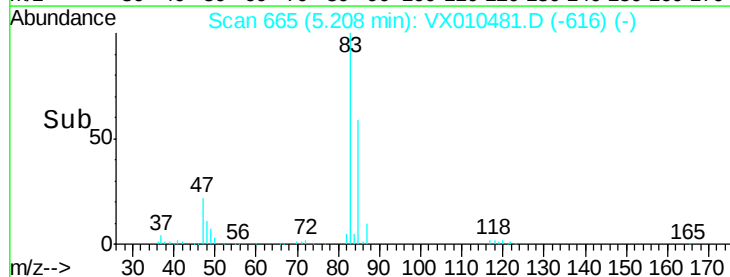
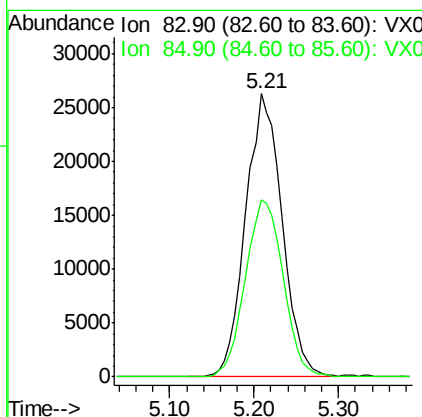
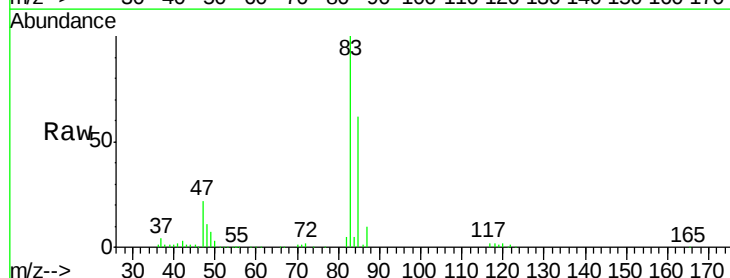
Manual Integrations
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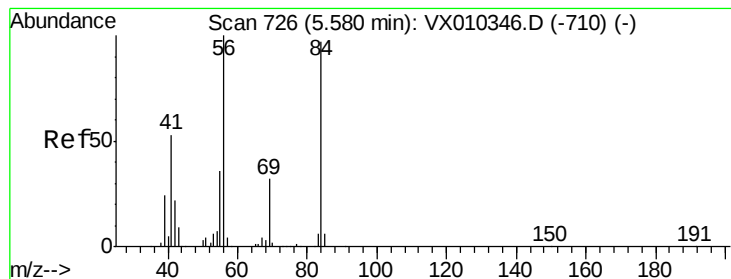
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#30
Chloroform
Concen: 19.259 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3





#31

Cyclohexane

Concen: 18.620 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

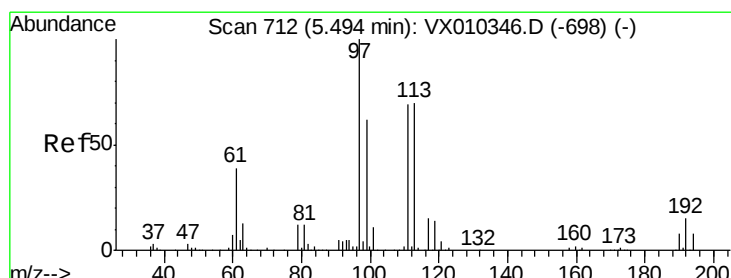
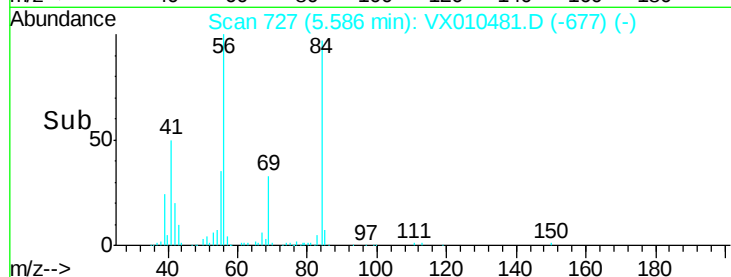
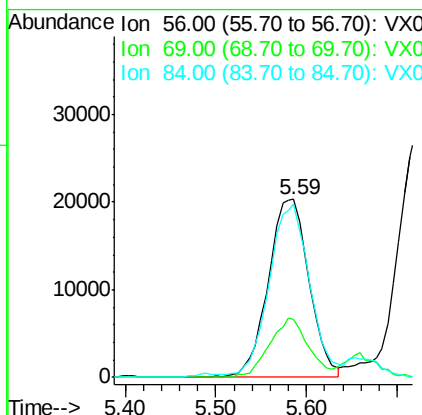
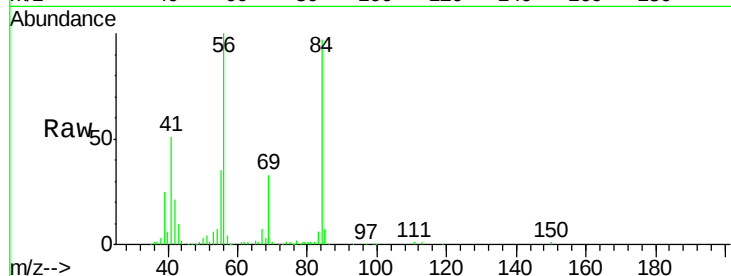
ClientSampleId :

VX0627WBS01

Tot Ion:	56	Resp:	63419
Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.9	38.9
84	96.2	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 19.054 ug/l

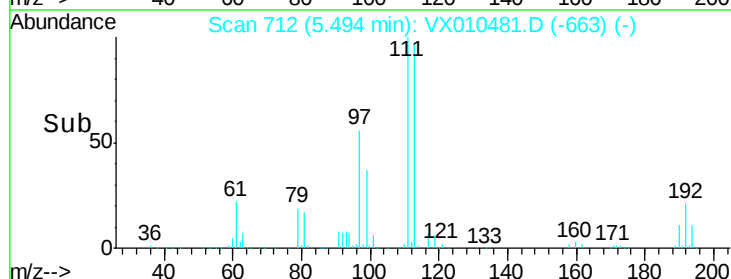
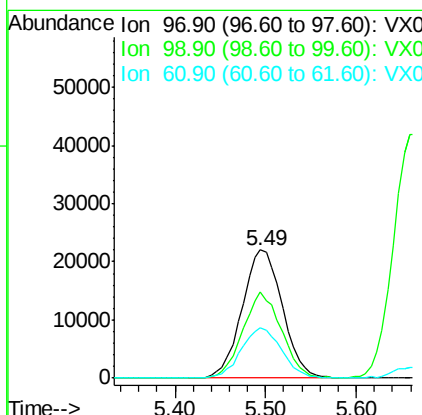
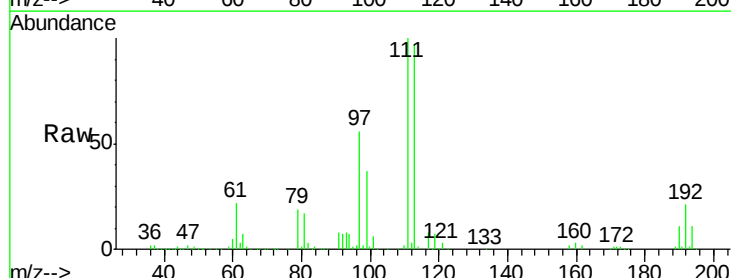
RT: 5.49 min Scan# 712

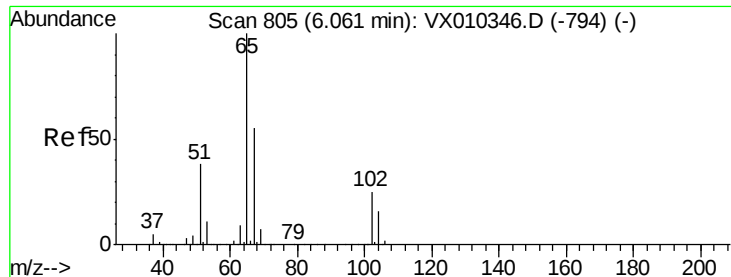
Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:	97	Resp:	67708
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	39.2	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 49.805 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 65 Resp: 117440

Ion Ratio Lower Upper

65 100

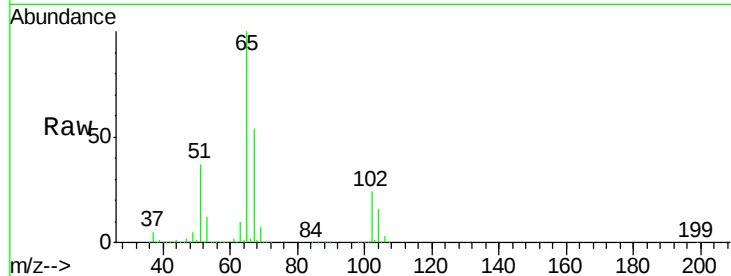
67 55.1 0.0 110.2

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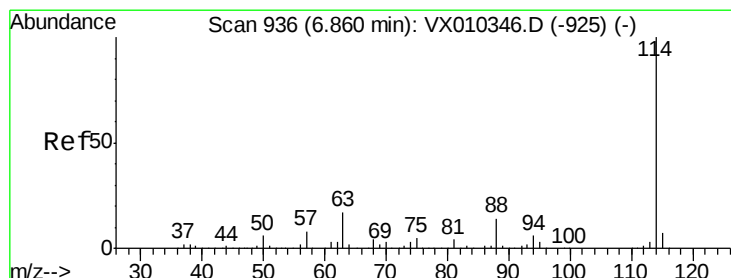
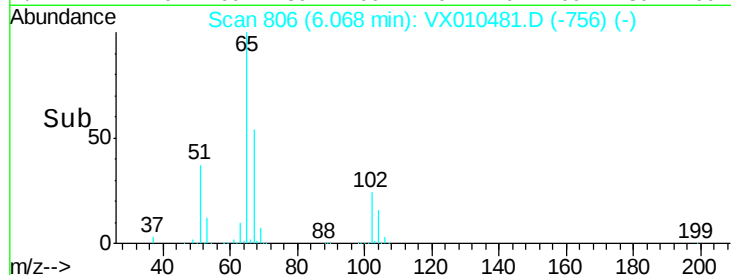
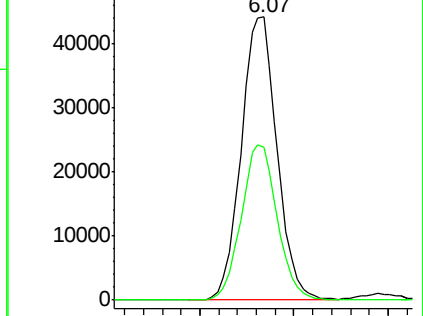
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

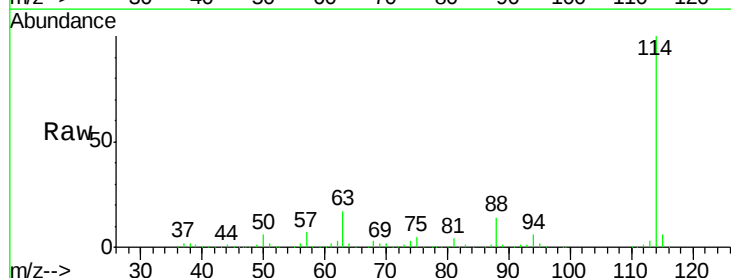
Tgt Ion: 114 Resp: 373664

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

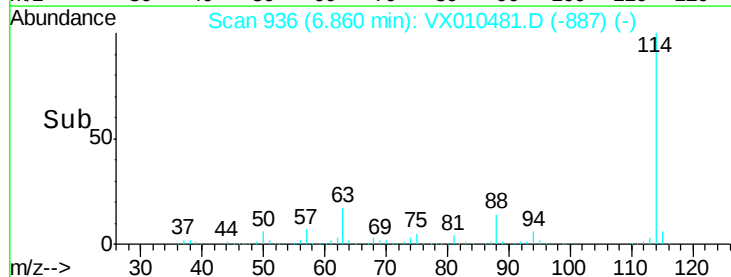
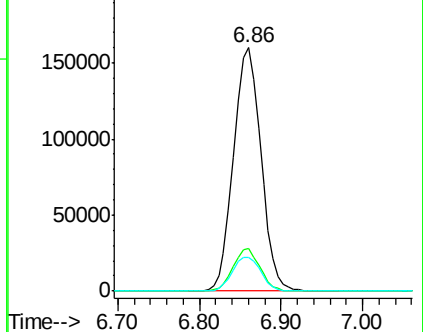
88 14.0 0.0 27.6

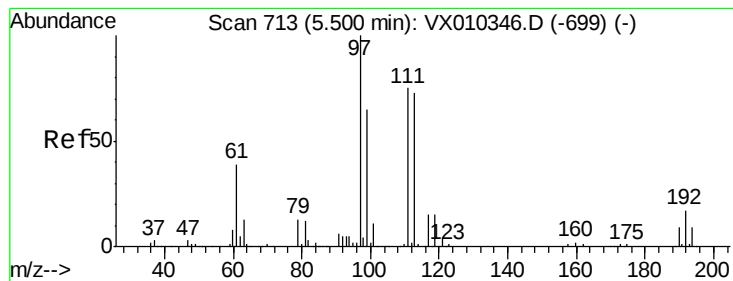


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.071 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

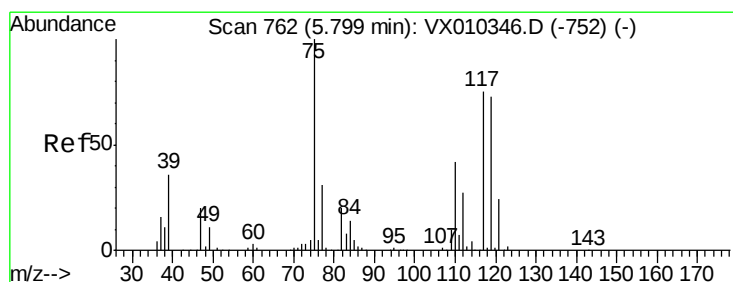
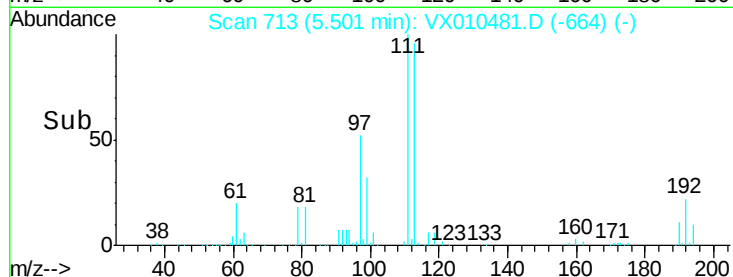
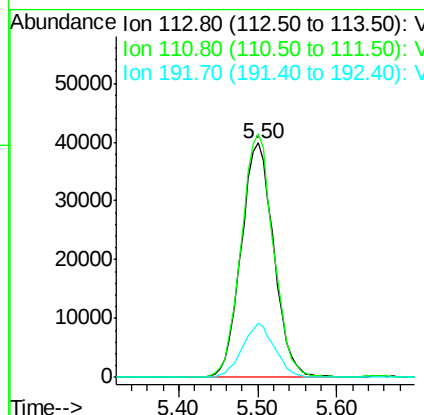
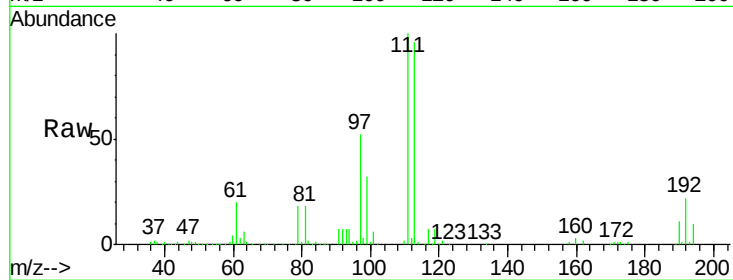
ClientSampleId :

VX0627WBS01

Tot Ion:	113	Resp:	114473
Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.2	121.8
192	22.9	18.6	27.8

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#36

1,1-Dichloropropene

Concen: 18.254 ug/l

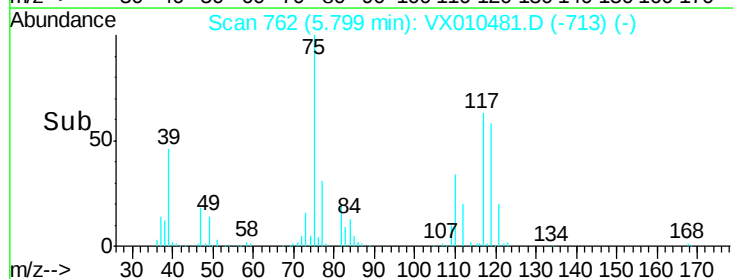
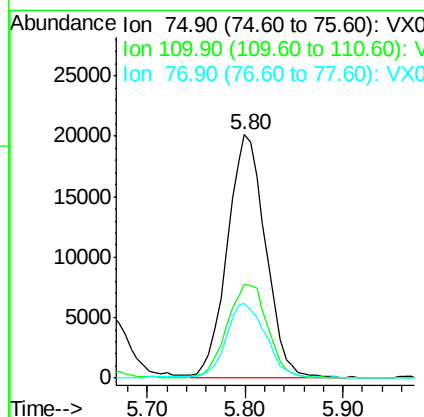
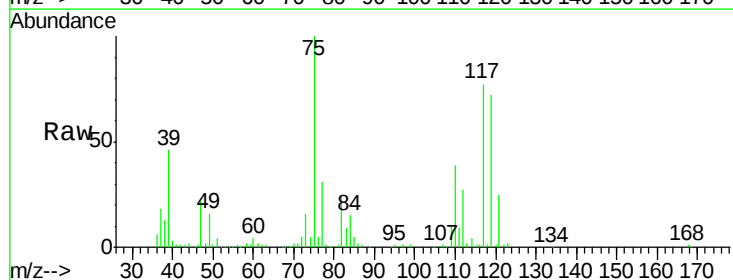
RT: 5.80 min Scan# 762

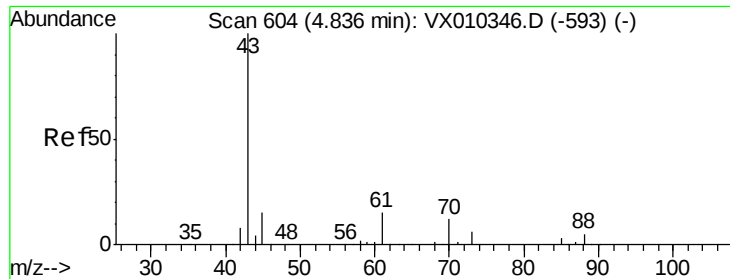
Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:	75	Resp:	54203
Ion	Ratio	Lower	Upper
75	100		
110	41.4	20.8	62.2
77	31.9	25.4	38.0





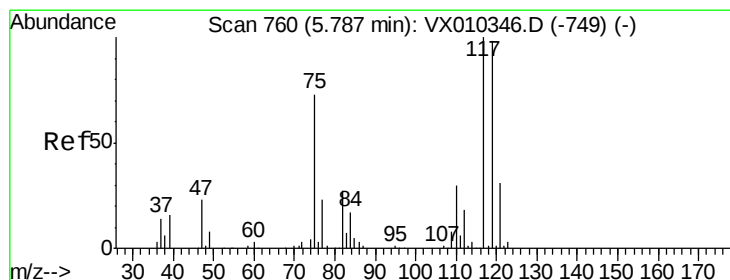
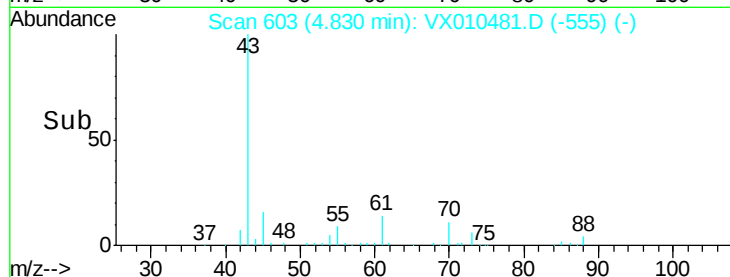
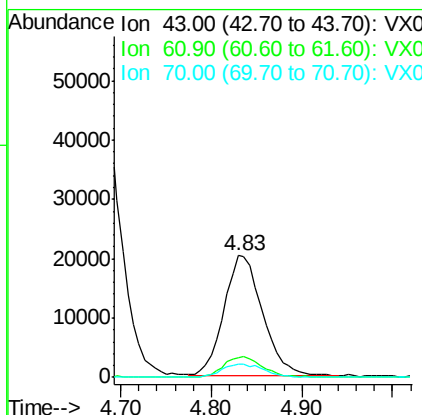
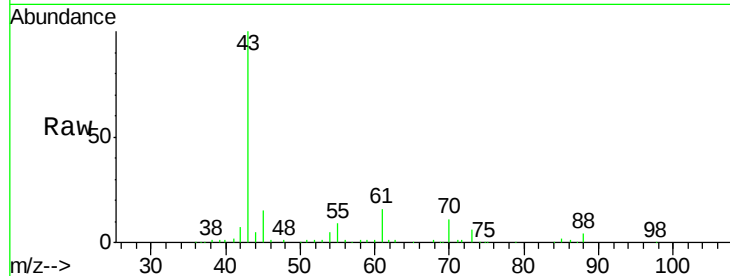
#37
Ethyl Acetate
Concen: 19.741 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	12.4	18.6
70	12.5	9.8	14.8

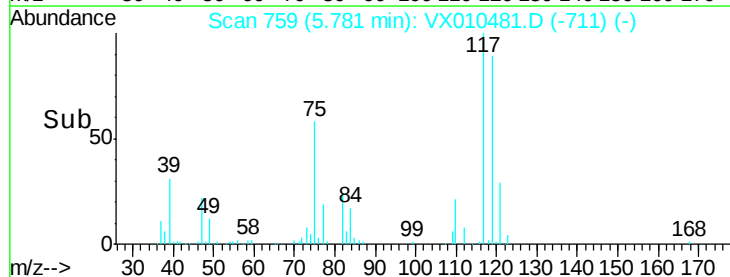
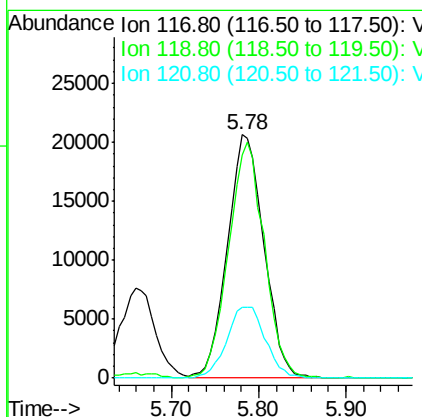
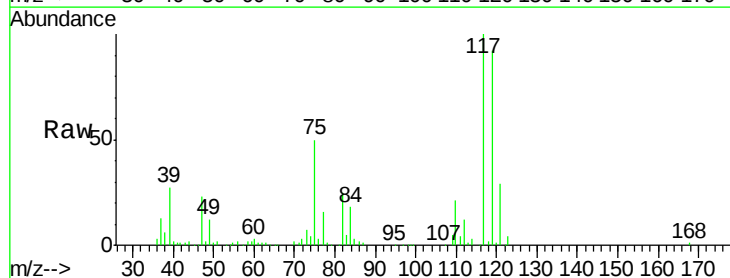
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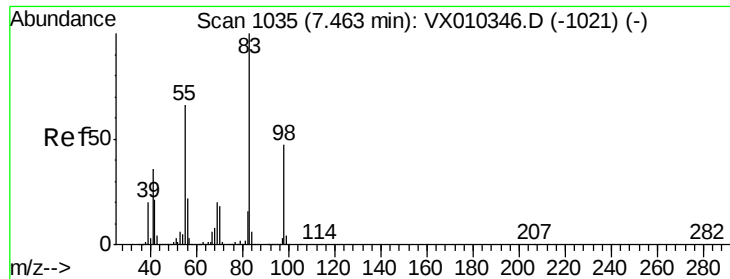
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#38
Carbon Tetrachloride
Concen: 18.656 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	78.2	117.4
121	29.1	24.7	37.1





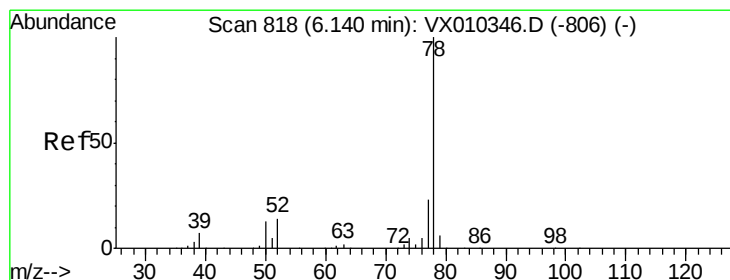
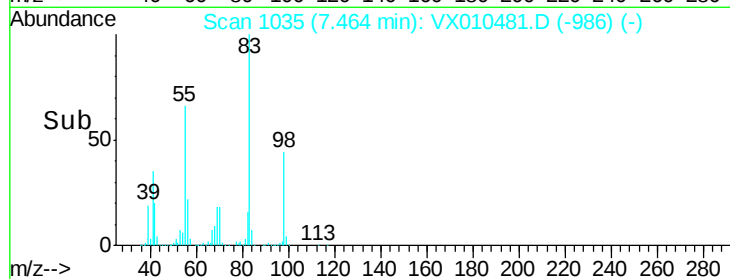
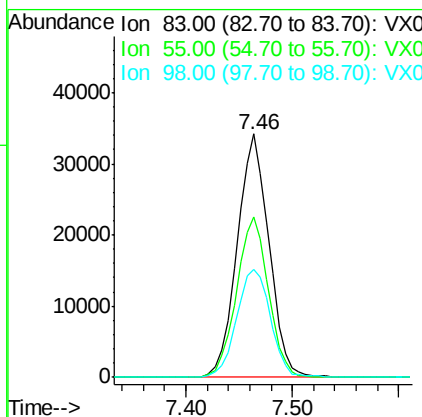
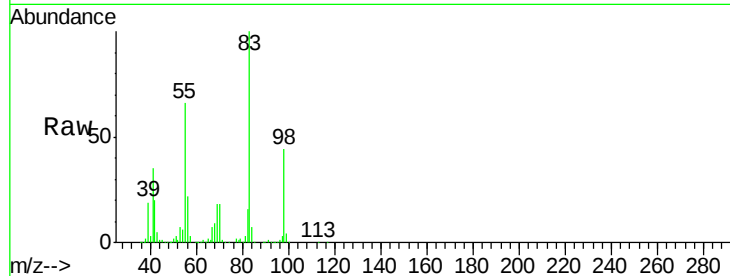
#39
Methvlcvclohexane
Concen: 18.356 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.7	53.0	79.6
98	44.0	37.8	56.8

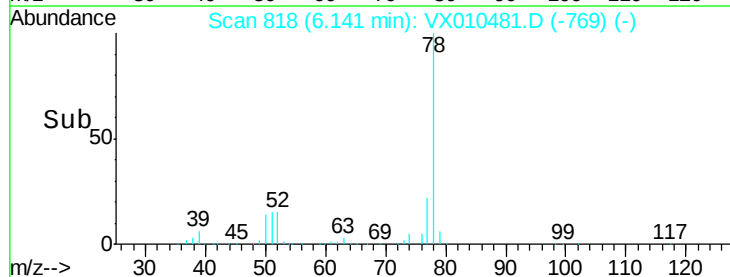
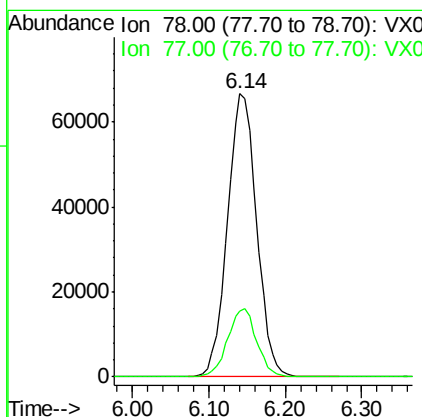
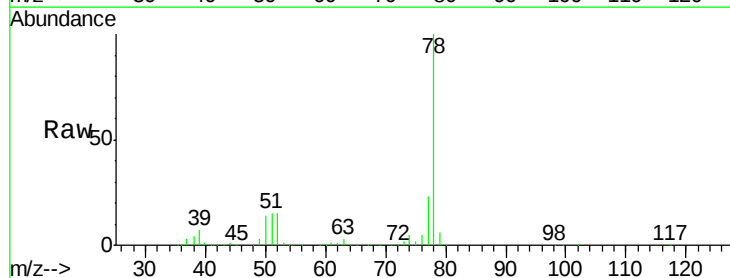
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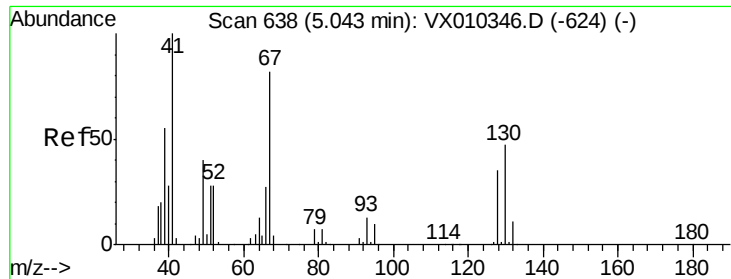
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#40
Benzene
Concen: 19.021 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





#41

Methacrylonitrile

Concen: 19.252 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 41 Resp: 32268

Ion Ratio Lower Upper

41 100

39 54.8 43.8 65.8

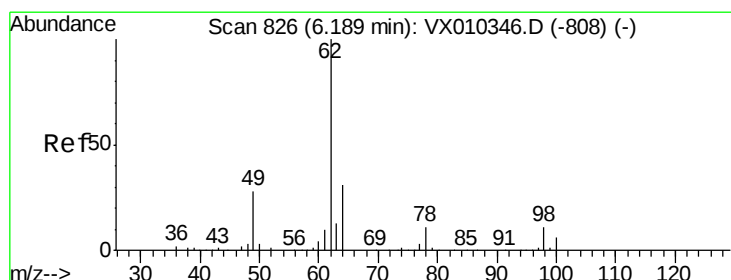
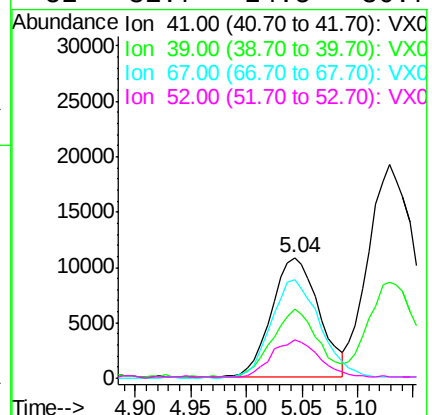
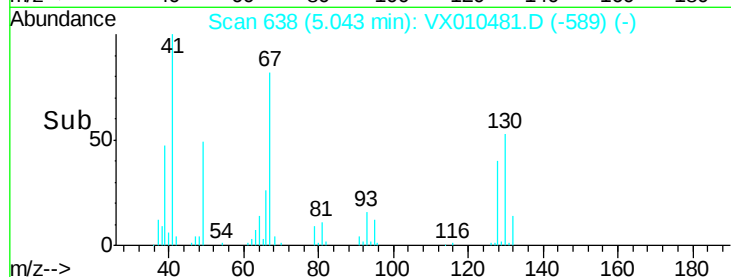
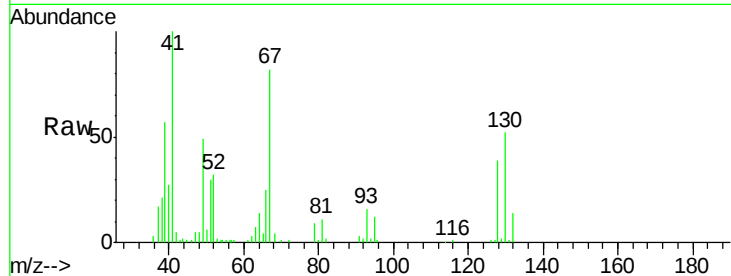
67 85.6 66.6 100.0

52 31.7 24.5 36.7

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#42

1,2-Dichloroethane

Concen: 20.229 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX010481.D

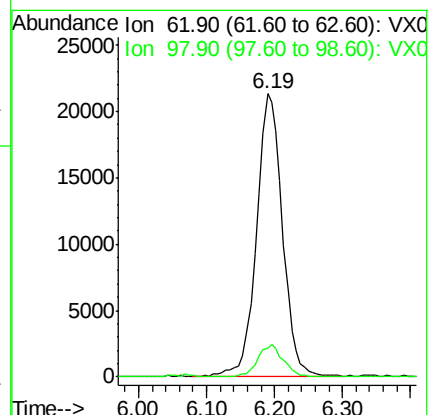
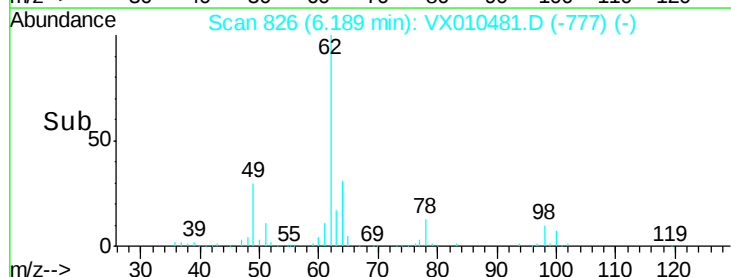
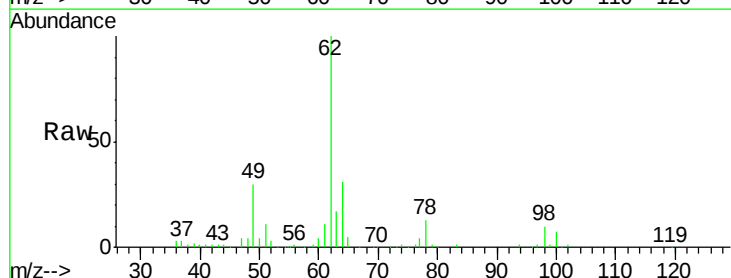
Acq: 27 Jun 2019 12:12

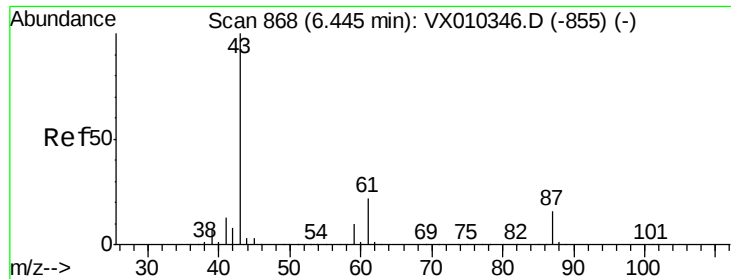
Tgt Ion: 62 Resp: 56964

Ion Ratio Lower Upper

62 100

98 11.2 0.0 22.2





#43

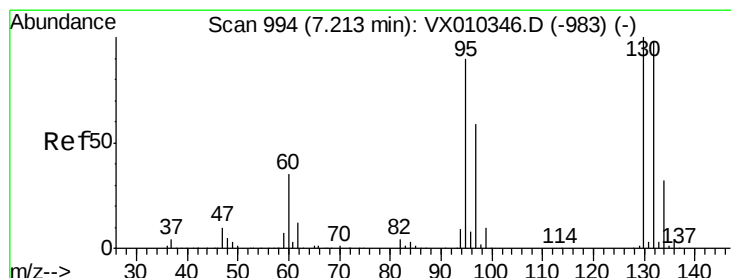
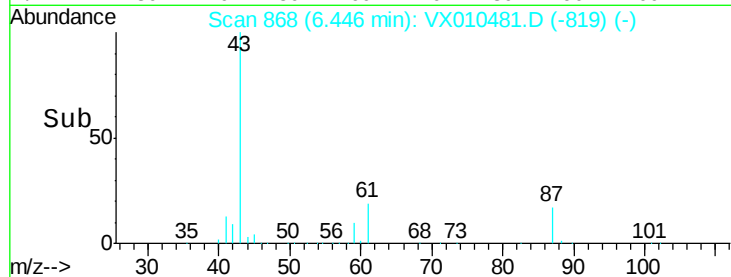
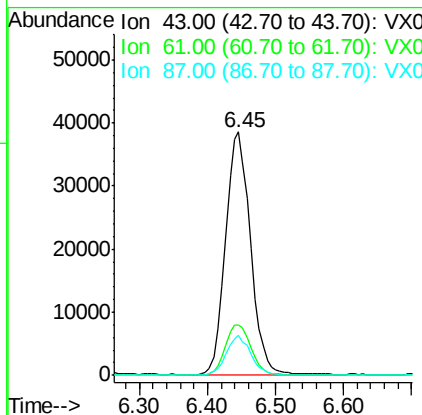
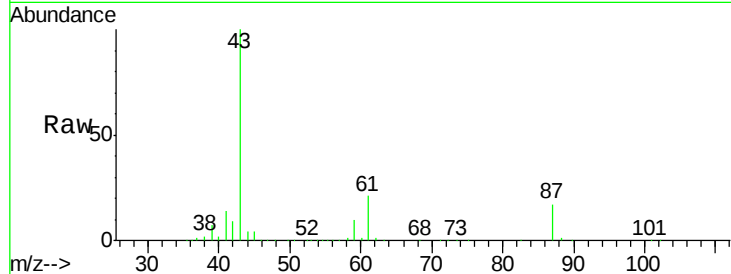
Isopropyl Acetate
 Concen: 19.334 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS01

Tot Ion	43	61	87
Resp:	97713		
Ratio	100	22.0	16.3
Lower		17.8	13.0
Upper		26.6	19.4

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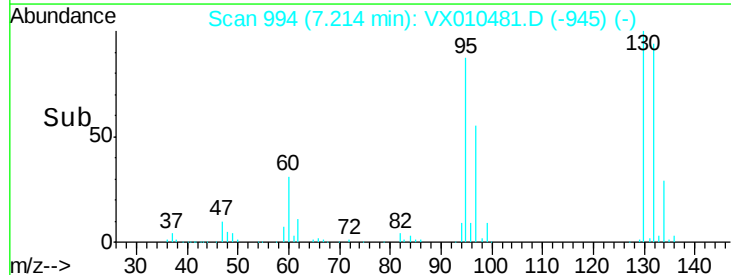
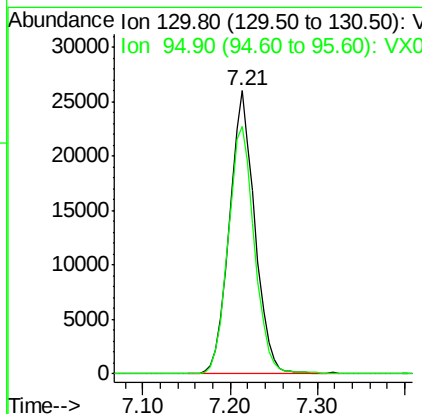
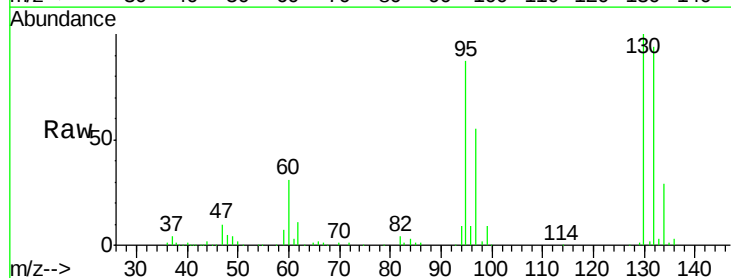
MMDadoda
 6/28/2019 10:37:31 AM

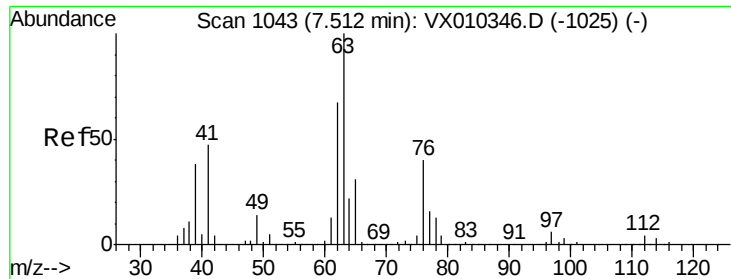


#44

Trichloroethene
 Concen: 18.971 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion	130	95
Resp:	52515	
Ratio	100	87.2
Lower		0.0
Upper		180.8





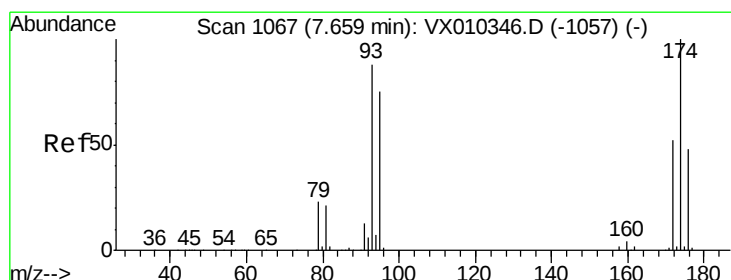
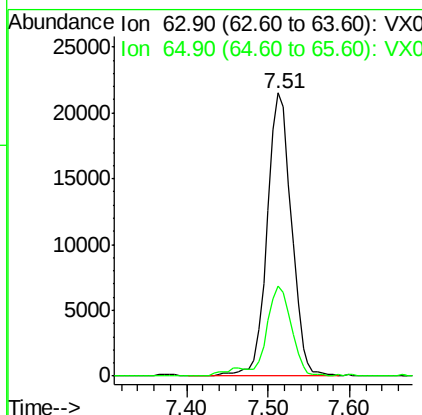
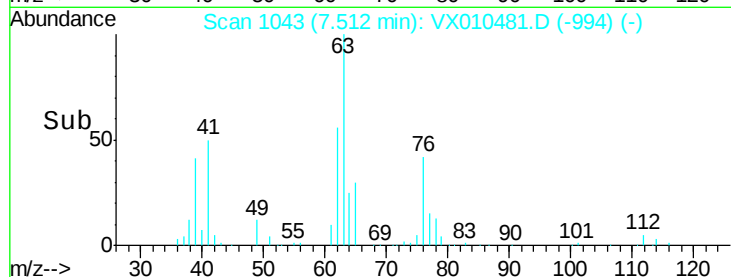
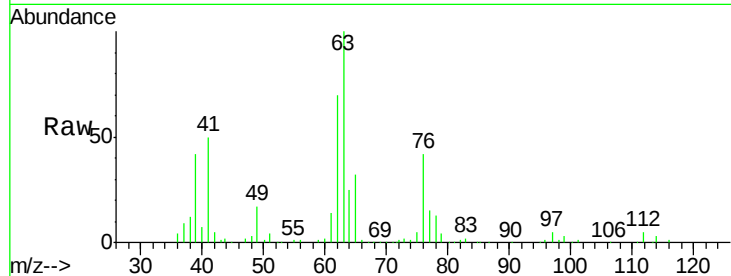
#45
 1,2-Dichloropropane
 Concen: 19.086 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS01

Tot Ion: 63 Resp: 44587
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.8 37.2

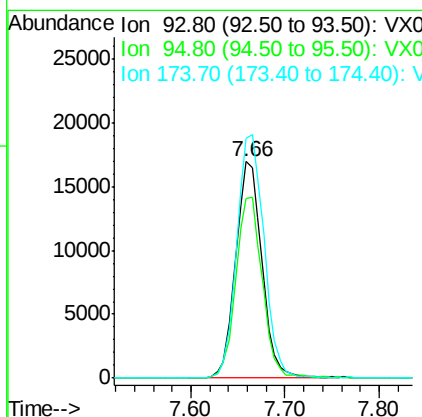
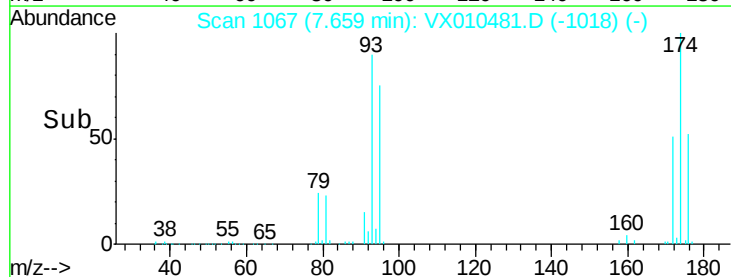
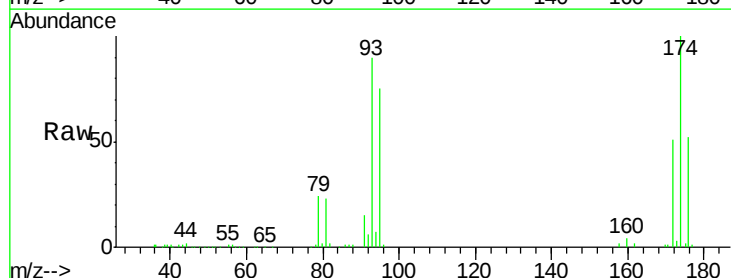
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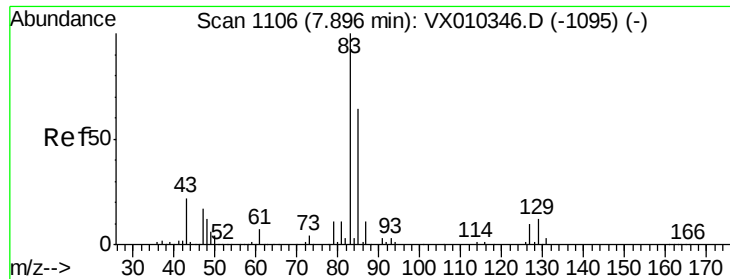
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#46
 Dibromomethane
 Concen: 19.753 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion: 93 Resp: 33108
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.5 101.3
 174 116.2 95.8 143.6





#47

Bromodichloromethane

Concen: 18.983 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

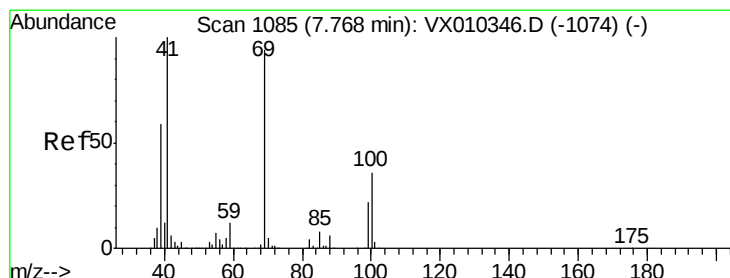
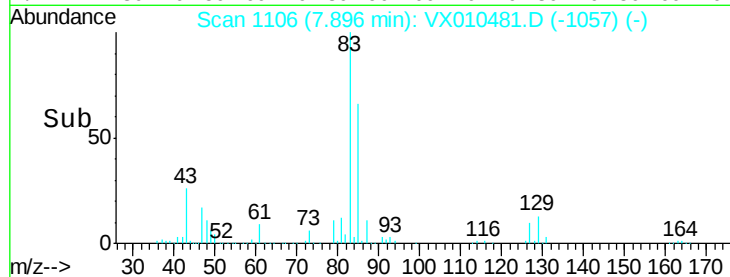
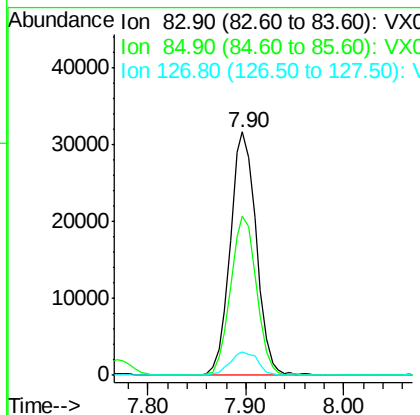
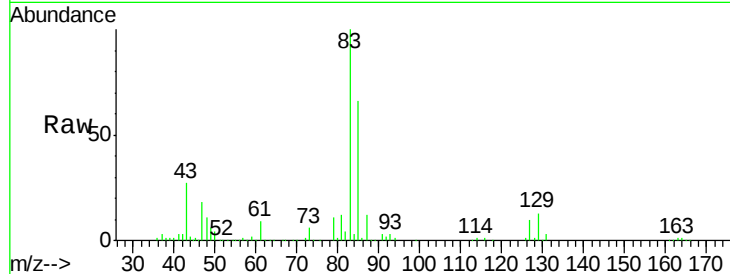
ClientSampleId :

VX0627WBS01

Tot Ion:	83	Resp:	58310
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3
127	9.7	7.8	11.8

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#48

Methyl methacrylate

Concen: 19.087 ug/l

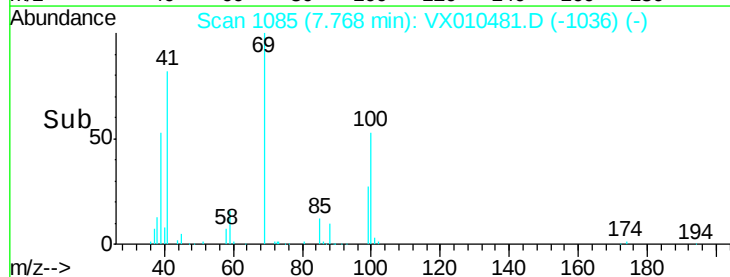
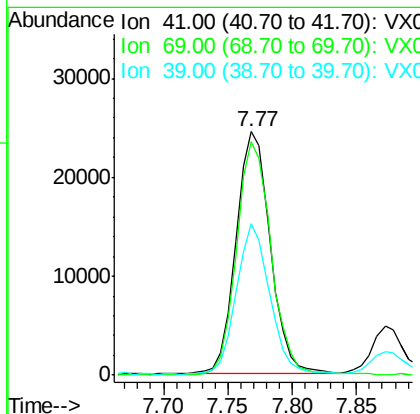
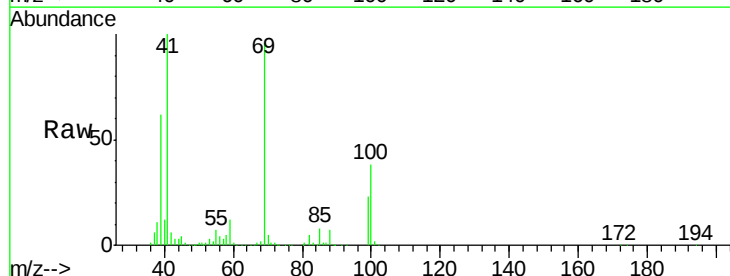
RT: 7.77 min Scan# 1085

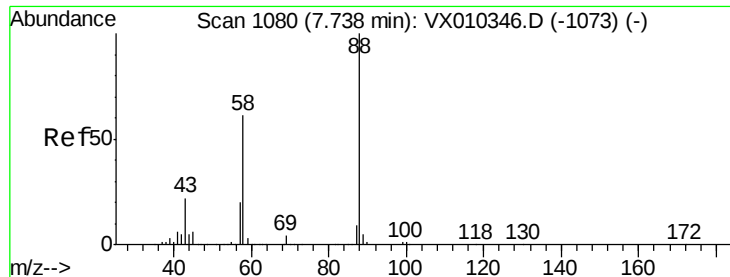
Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:	41	Resp:	44838
Ion	Ratio	Lower	Upper
41	100		
69	98.4	76.1	114.1
39	60.7	47.6	71.4





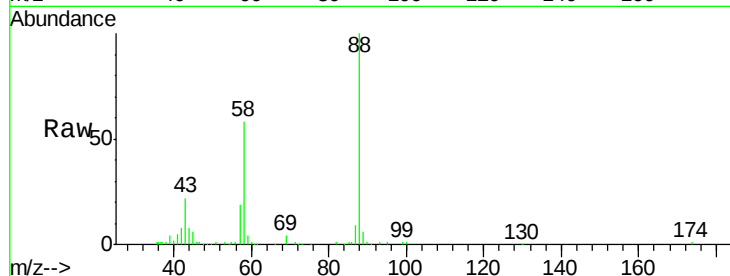
#49
1,4-Dioxane
Concen: 412.332 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	20.2	30.2
58	60.4	49.5	74.3

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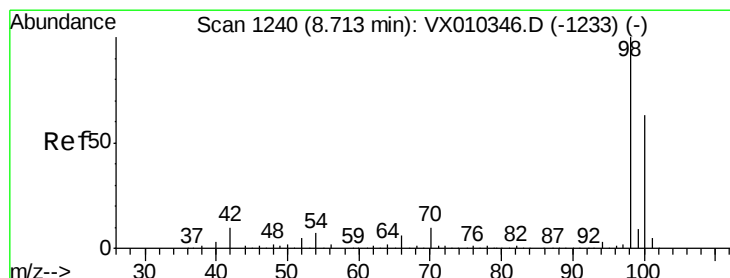
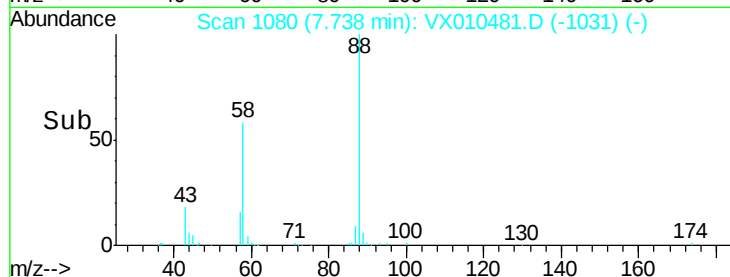
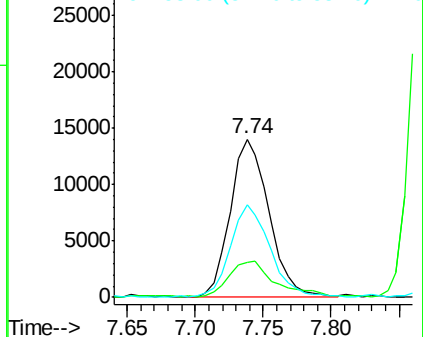


Abundance

Ion 88.00 (87.70 to 88.70): VX0

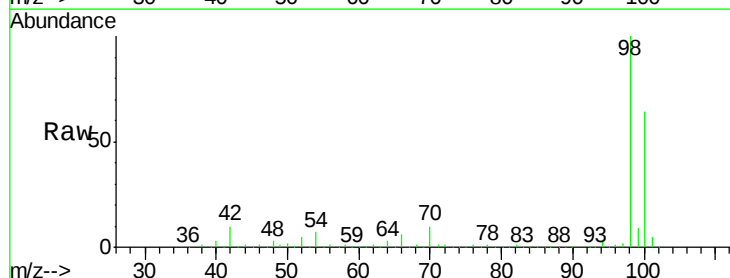
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.929 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

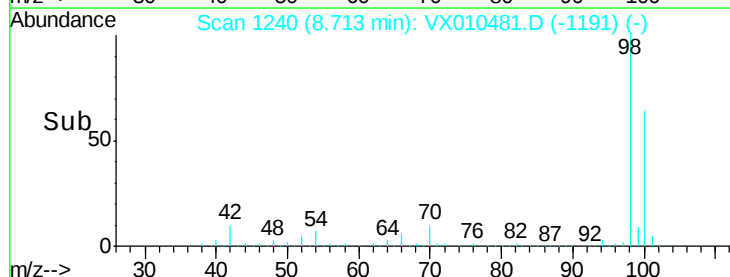
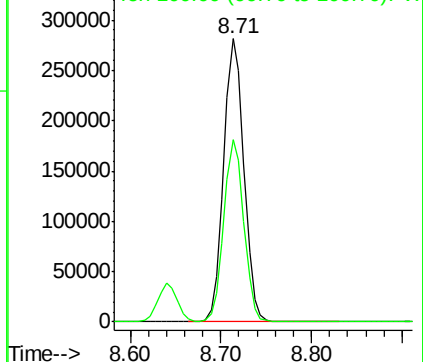
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4

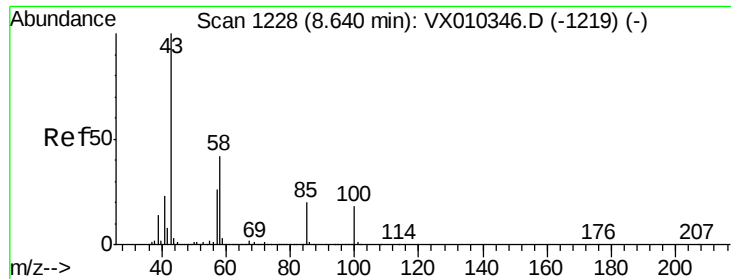


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 100.919 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 43 Resp: 326207

Ion Ratio Lower Upper

43 100

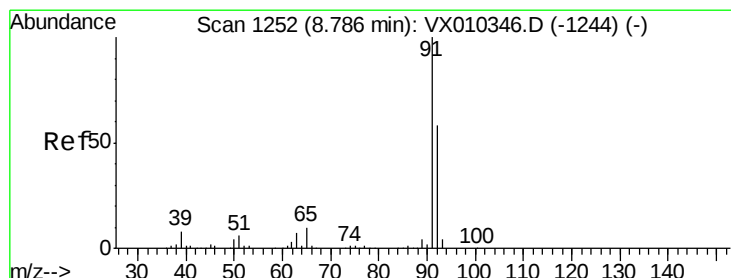
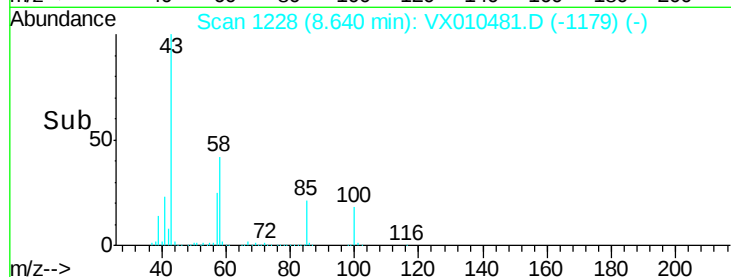
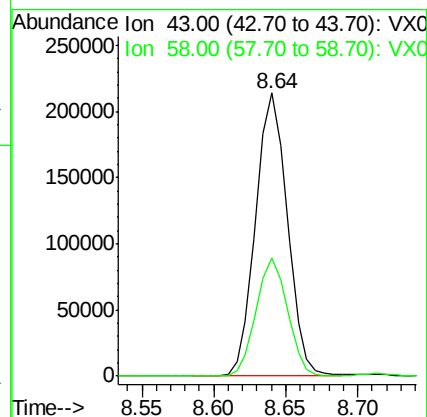
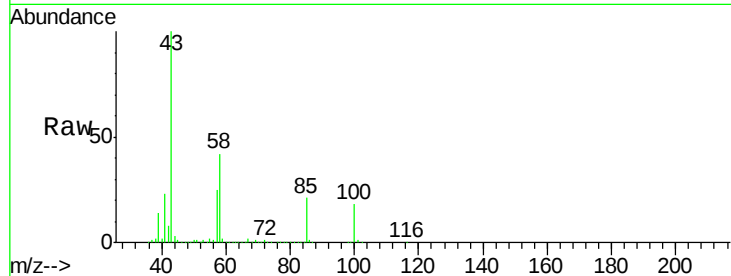
58 41.4 33.5 50.3

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#52

Toluene

Concen: 19.338 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010481.D

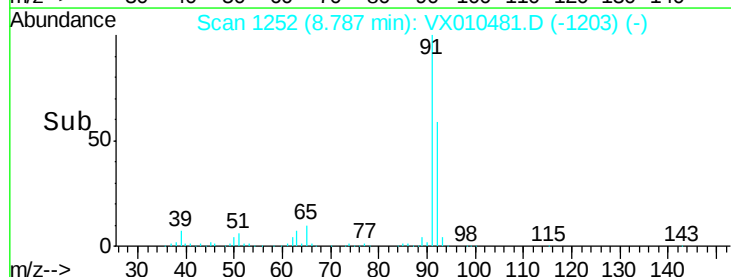
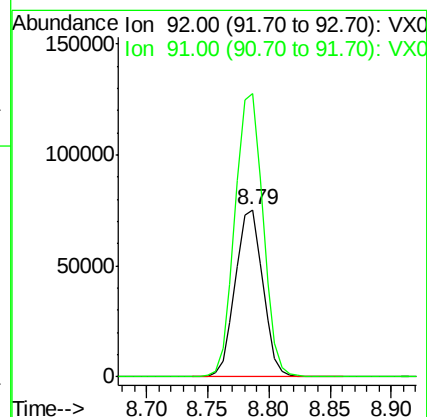
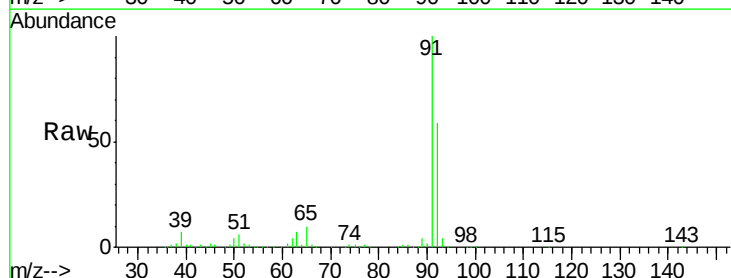
Acq: 27 Jun 2019 12:12

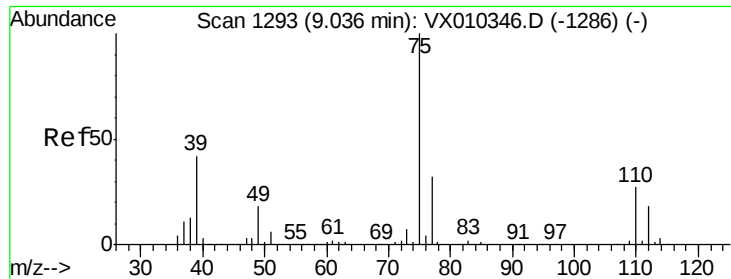
Tgt Ion: 92 Resp: 117807

Ion Ratio Lower Upper

92 100

91 172.5 139.8 209.6





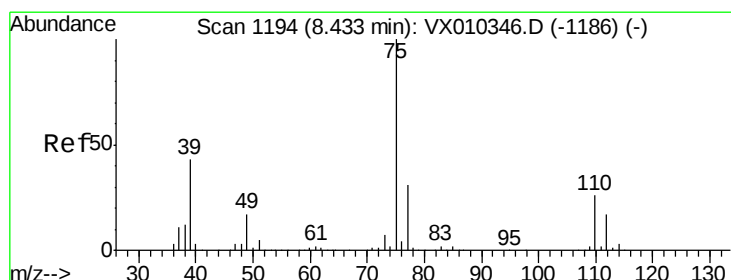
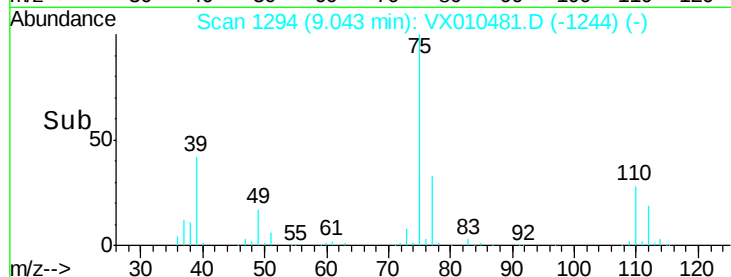
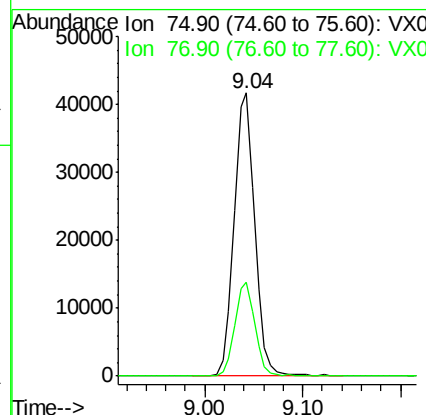
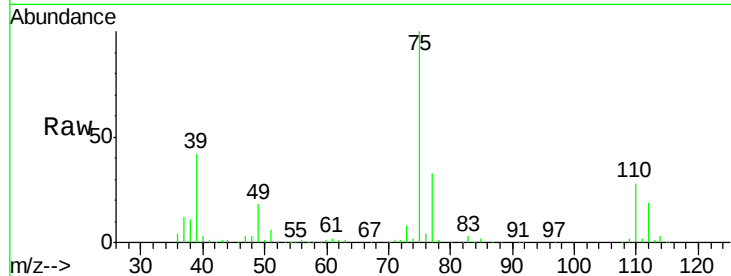
#53
 t-1,3-Dichloropropene
 Concen: 17.769 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS01

Tot Ion: 75 Resp: 61192
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.4 38.2

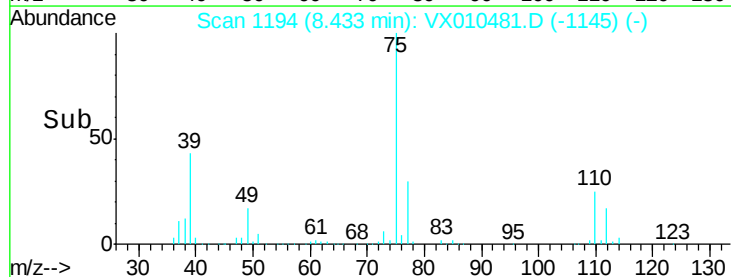
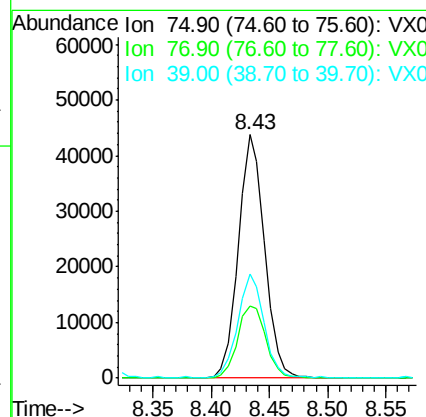
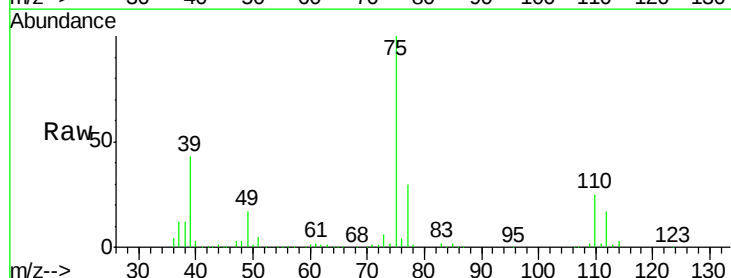
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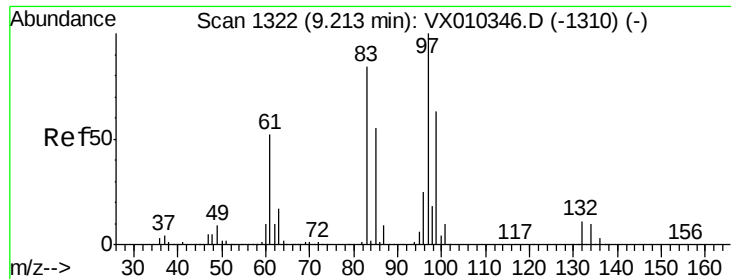
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#54
 cis-1,3-Dichloropropene
 Concen: 18.386 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion: 75 Resp: 68806
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.2 37.8
 39 42.5 34.5 51.7





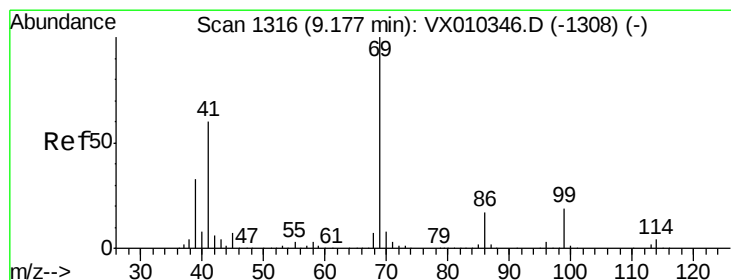
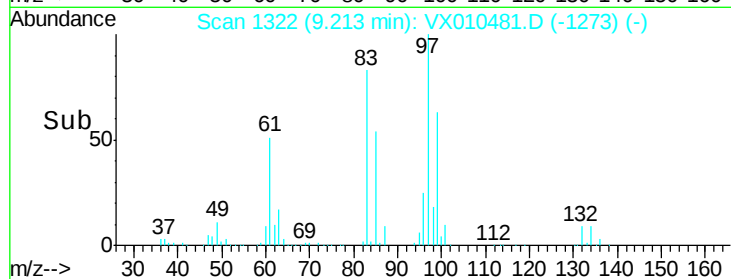
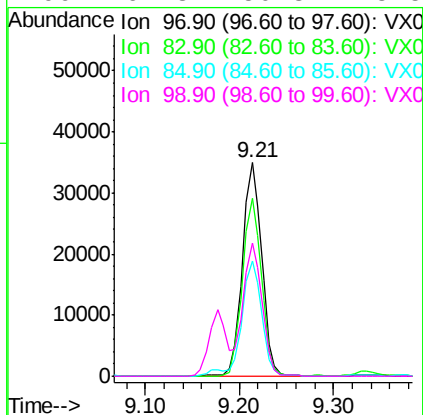
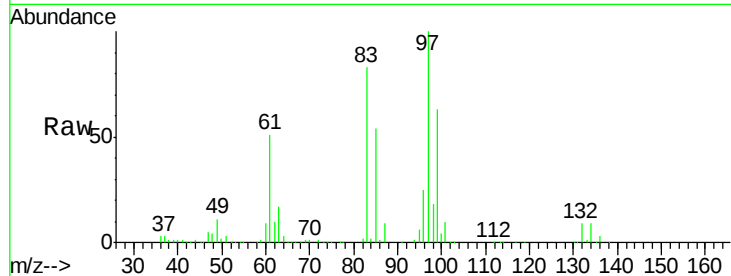
#55
 1,1,2-Trichloroethane
 Concen: 20.011 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS01

Tot Ion:	97	Resp:	50277
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.4	101.0
85	54.1	43.8	65.8
99	62.3	50.3	75.5

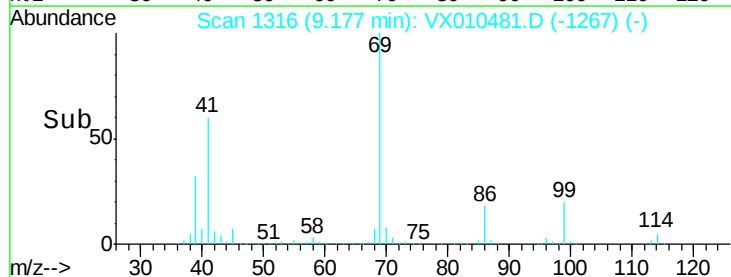
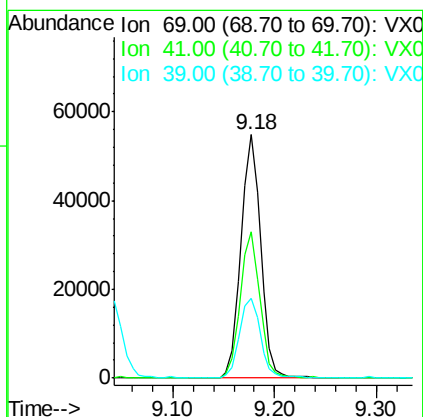
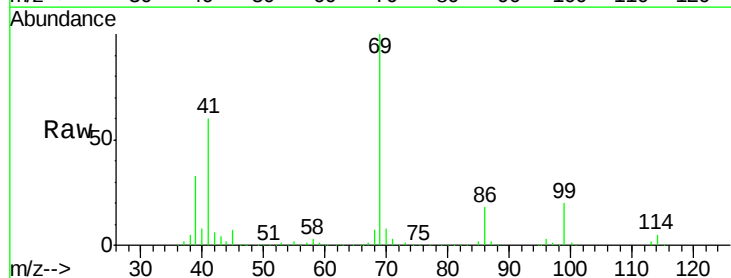
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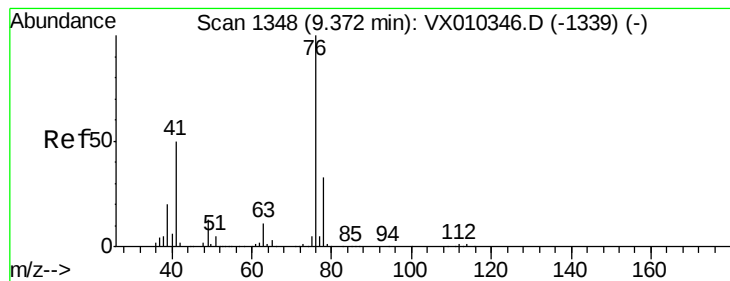
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#56
 Ethyl methacrylate
 Concen: 19.261 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion:	69	Resp:	73309
Ion	Ratio	Lower	Upper
69	100		
41	58.9	47.1	70.7
39	34.1	26.6	40.0





#57

1,3-Dichloropropane

Concen: 19.651 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 76 Resp: 76641

Ion Ratio Lower Upper

76 100

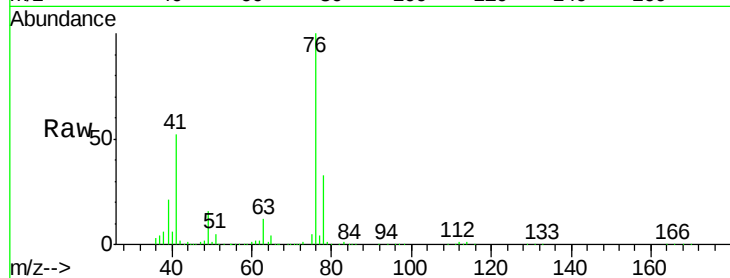
78 33.3 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

60000

50000

40000

30000

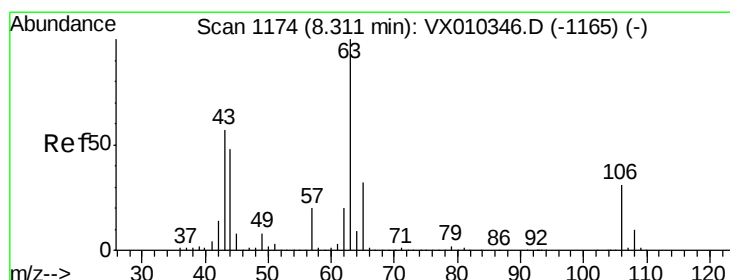
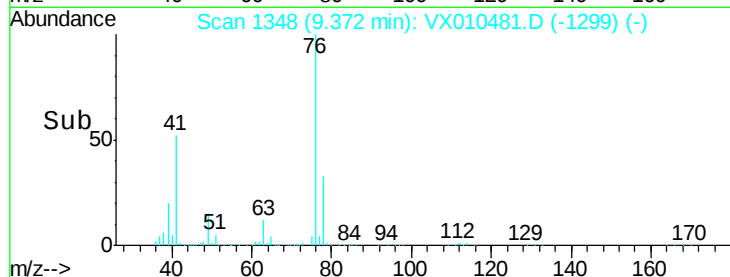
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.074 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010481.D

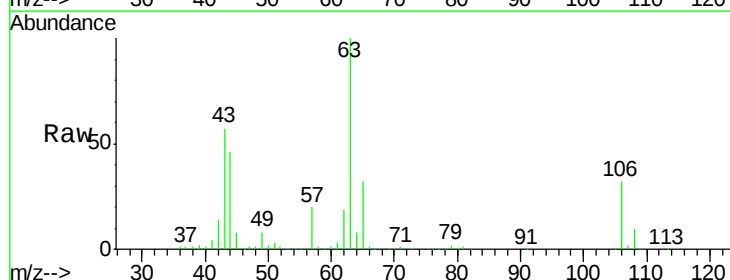
Acq: 27 Jun 2019 12:12

Tgt Ion: 63 Resp: 170049

Ion Ratio Lower Upper

63 100

106 31.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

120000

100000

80000

60000

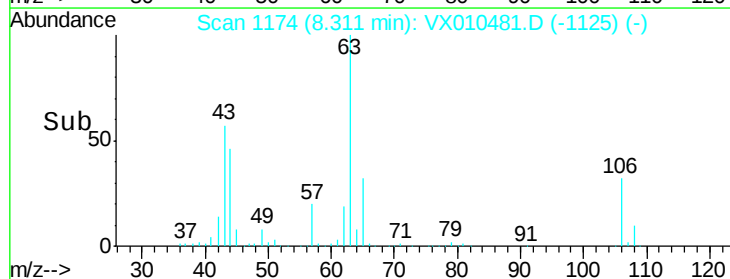
40000

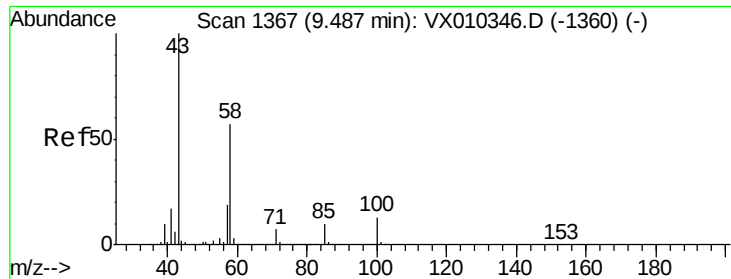
20000

0

8.20 8.30 8.40

Time-->





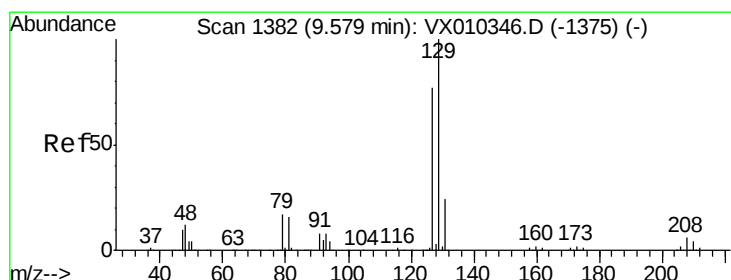
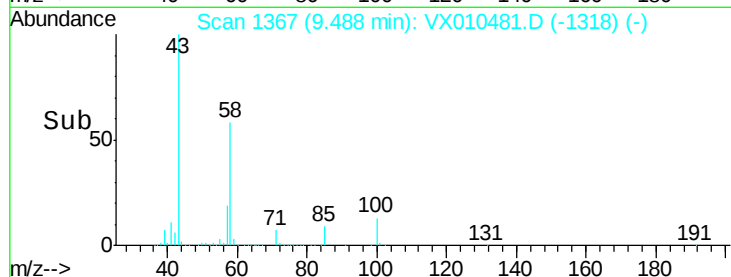
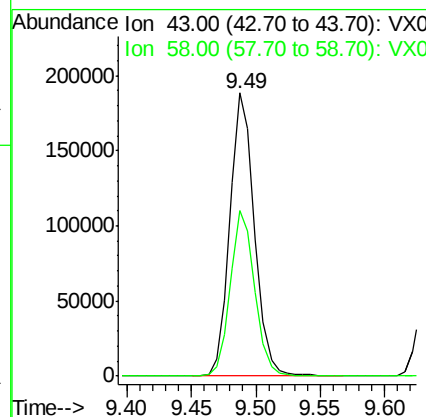
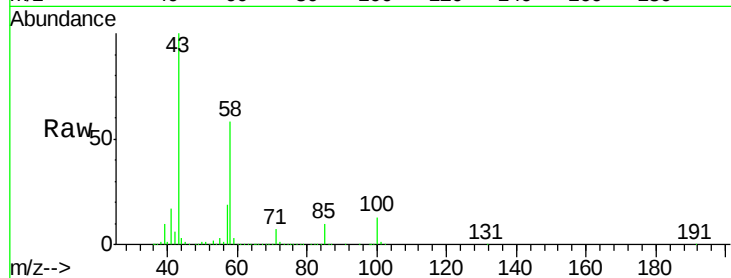
#59
2-Hexanone
Concen: 99.346 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion: 43 Resp: 252733
Ion Ratio Lower Upper
43 100
58 58.6 29.0 87.1

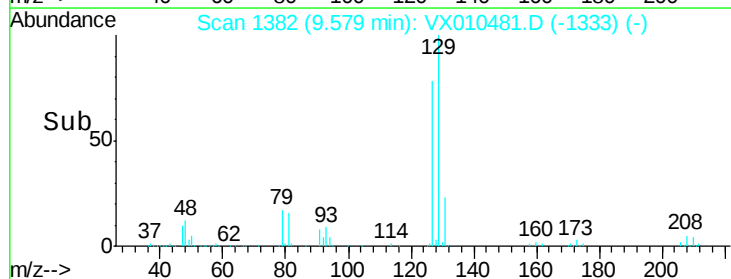
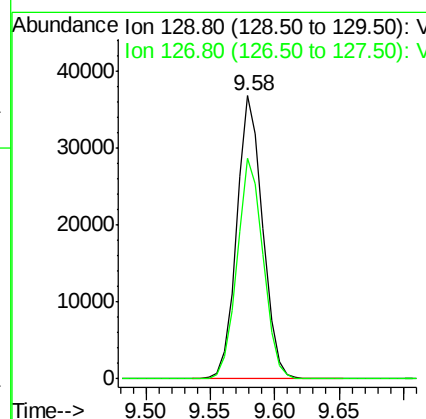
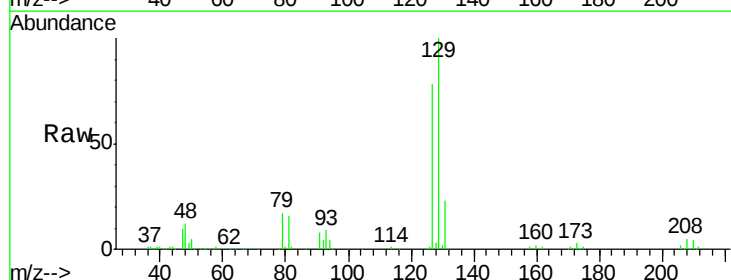
Manual Integrations
APPROVED

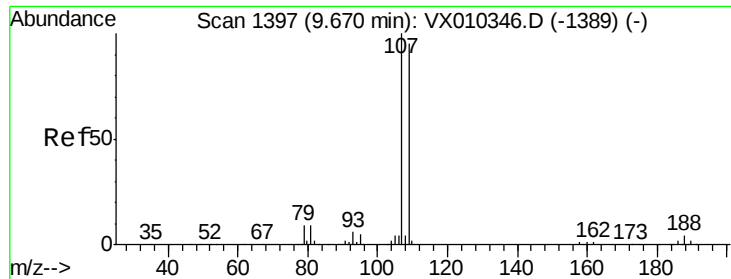
MMDadoda
6/28/2019 10:37:31 AM



#60
Dibromochloromethane
Concen: 18.303 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 129 Resp: 51490
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.382 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion:107 Resp: 52564

Ion Ratio Lower Upper

107 100

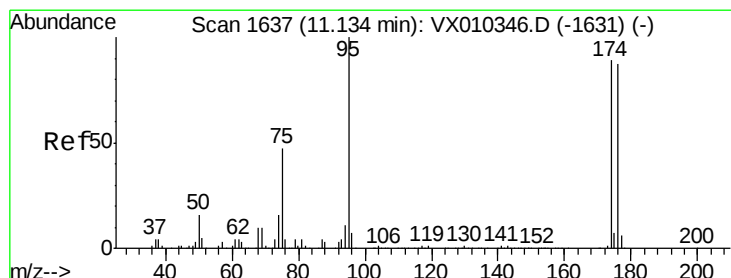
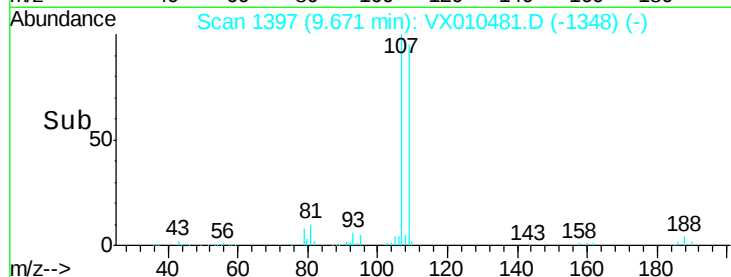
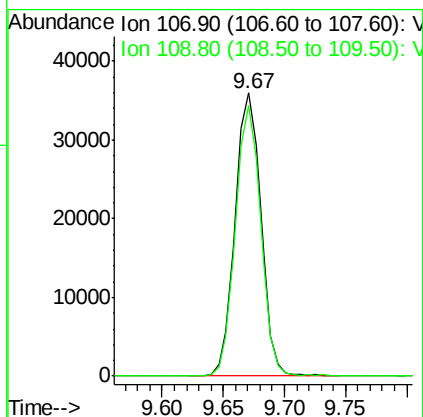
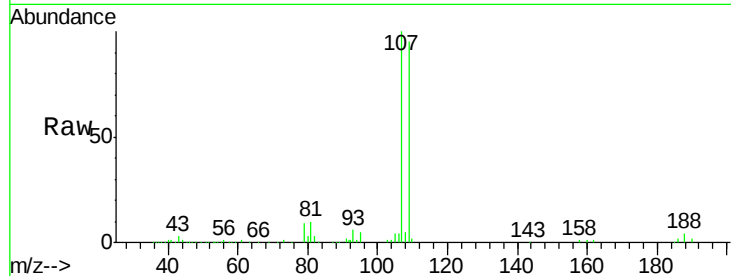
109 93.5 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

6/28/2019 10:37:31 AM



#62

4-Bromofluorobenzene

Concen: 48.399 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

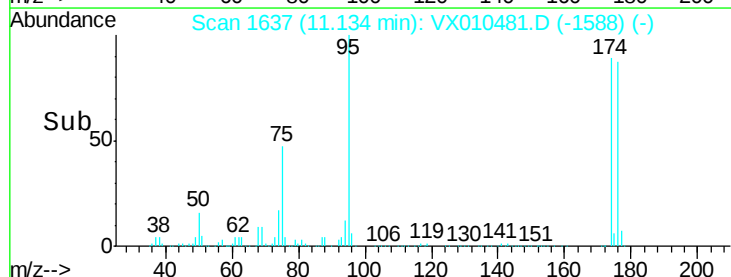
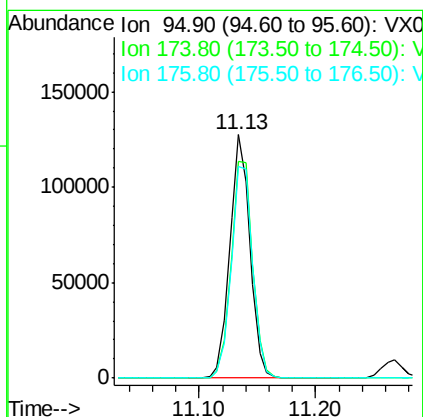
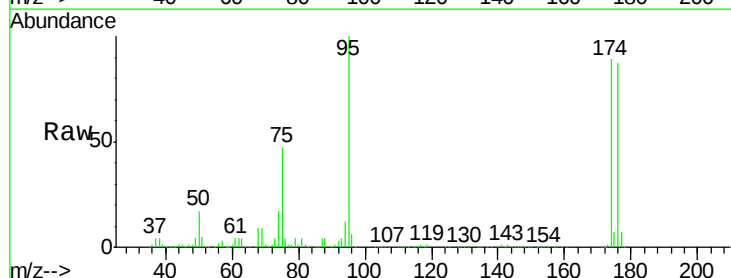
Tgt Ion: 95 Resp: 152834

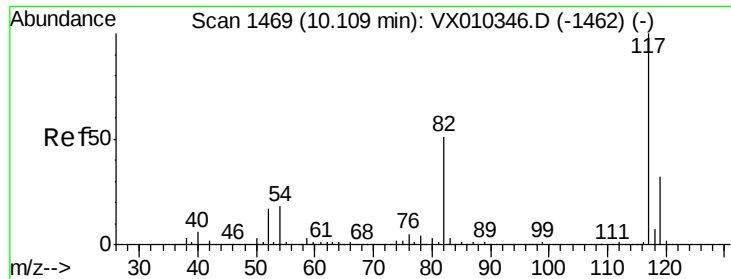
Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.6

176 93.0 0.0 184.0





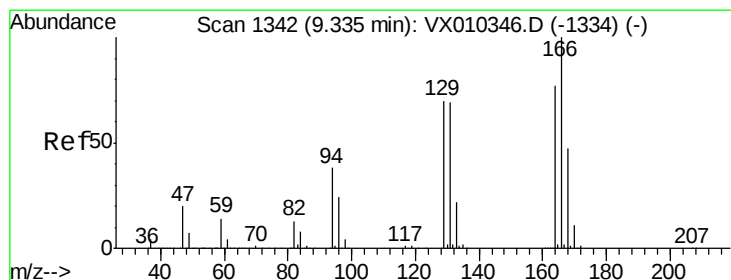
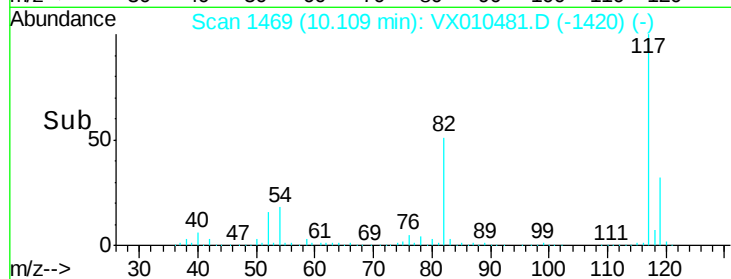
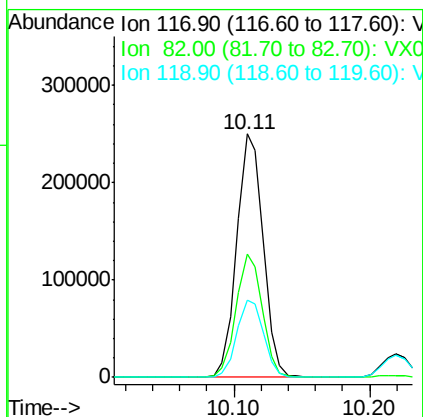
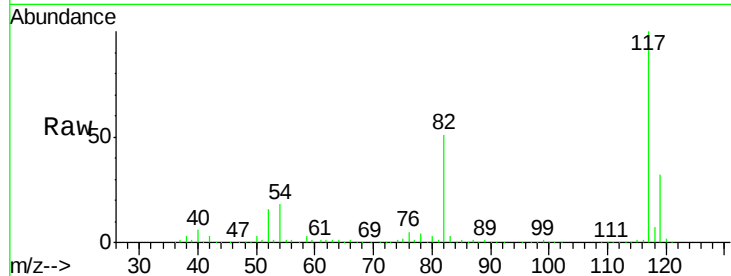
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.2	61.8
119	31.9	25.5	38.3

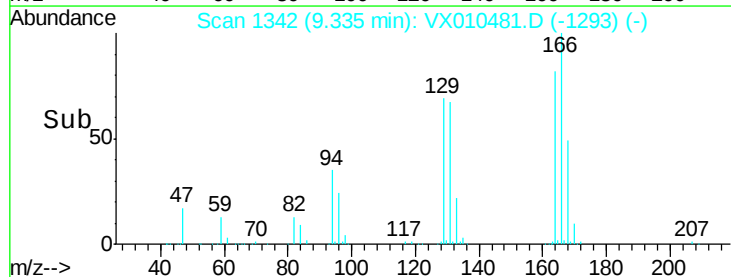
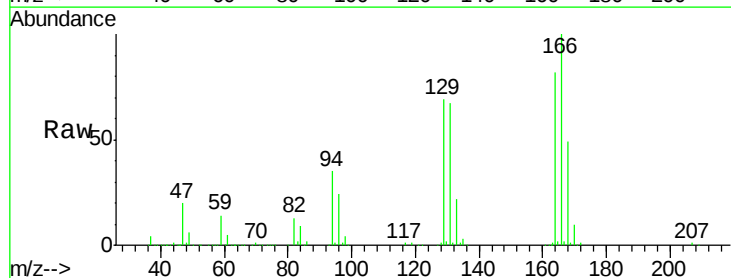
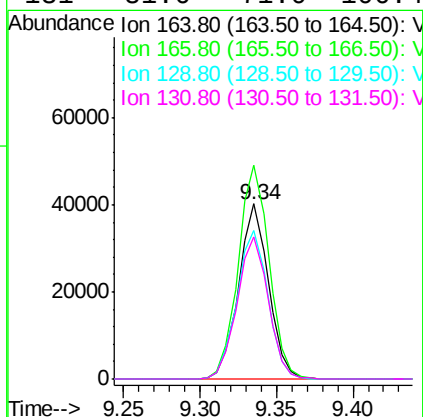
Manual Integrations
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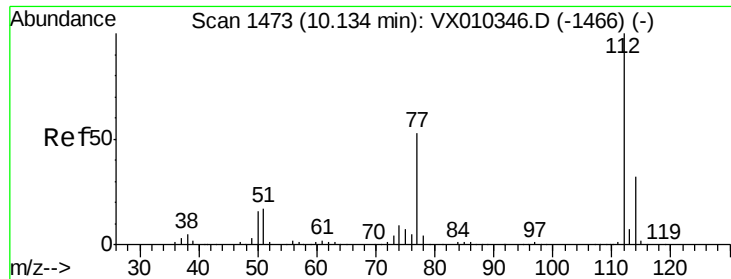
MMDadoda
6/28/2019 10:37:31 AM



#64
Tetrachloroethene
Concen: 19.961 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.2	103.6	155.4
129	84.9	73.0	109.4
131	81.6	71.0	106.4





#65

Chlorobenzene

Concen: 19.213 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion:112 Resp: 131744

Ion Ratio Lower Upper

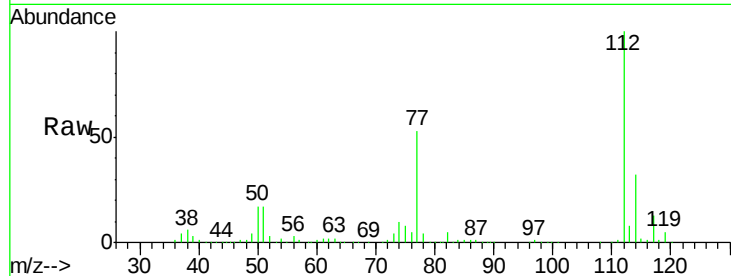
112 100

114 32.5 25.4 38.2

Manual Integrations
APPROVED

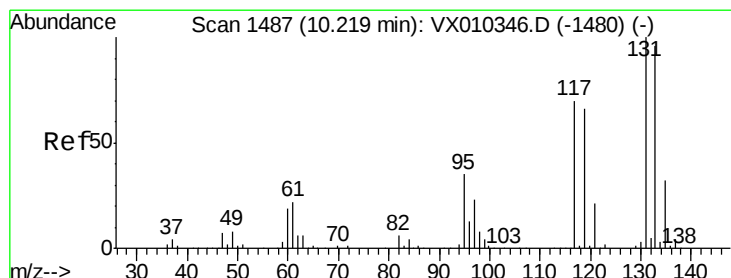
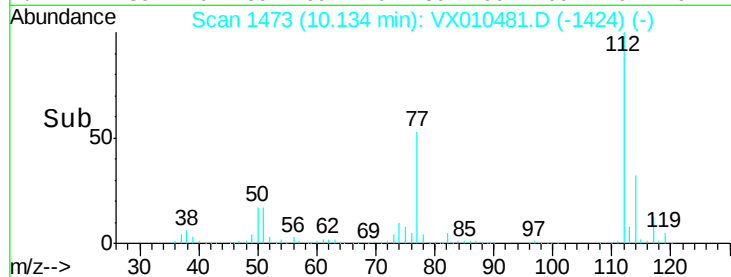
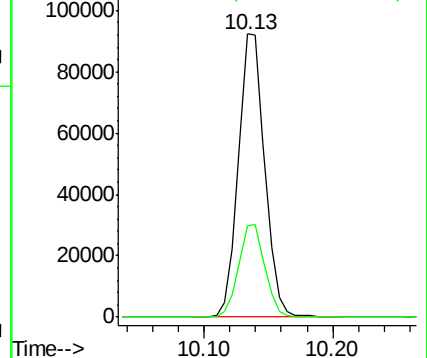
MMDadoda

6/28/2019 10:37:31 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.989 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

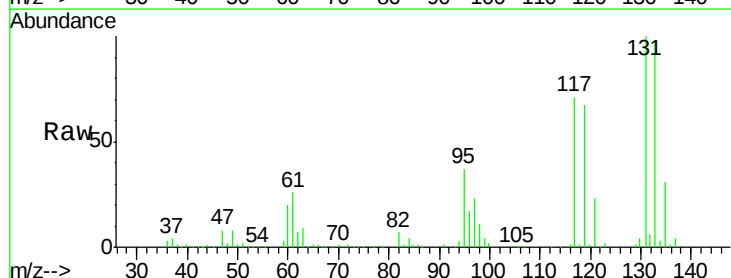
Tgt Ion:131 Resp: 47428

Ion Ratio Lower Upper

131 100

133 96.1 47.7 143.1

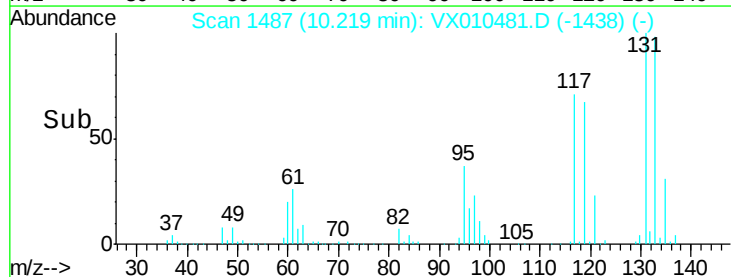
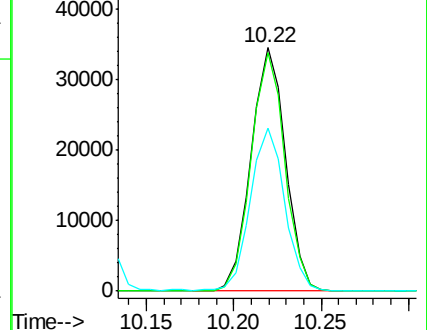
119 66.9 32.6 97.7

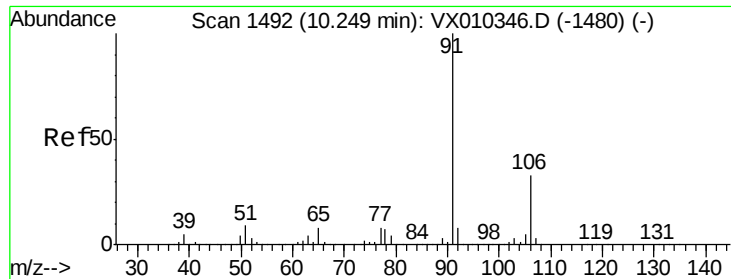


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





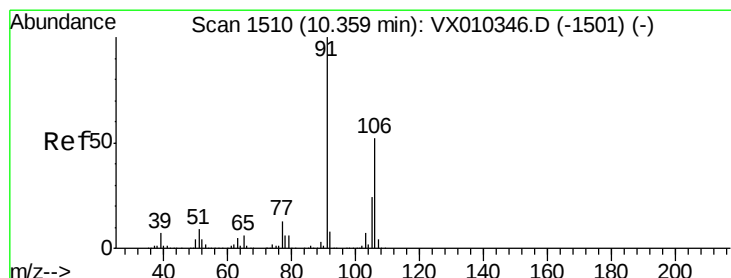
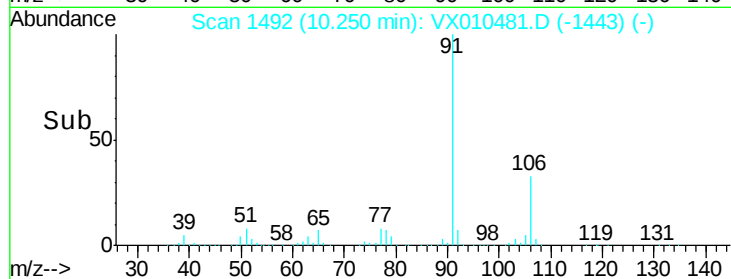
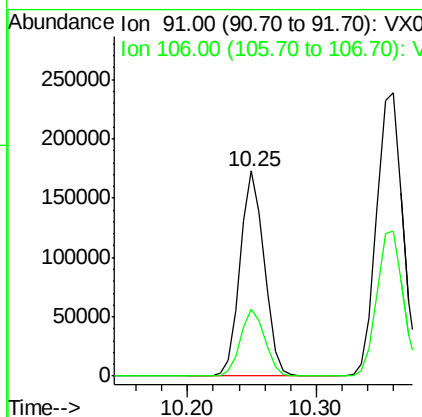
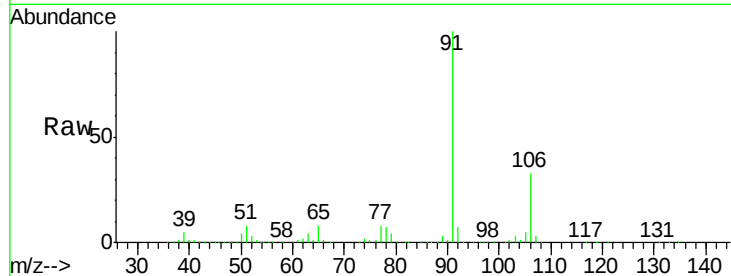
#67
Ethyl Benzene
Concen: 19.307 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion: 91 Resp: 223504
Ion Ratio Lower Upper
91 100
106 32.8 26.2 39.2

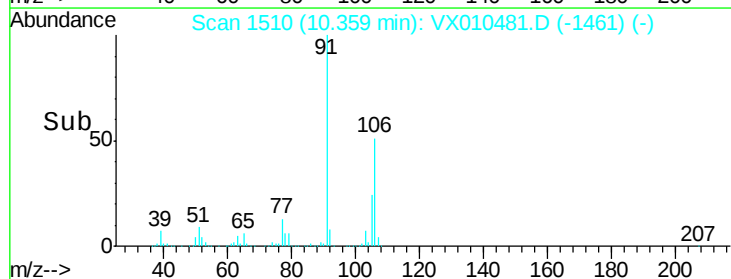
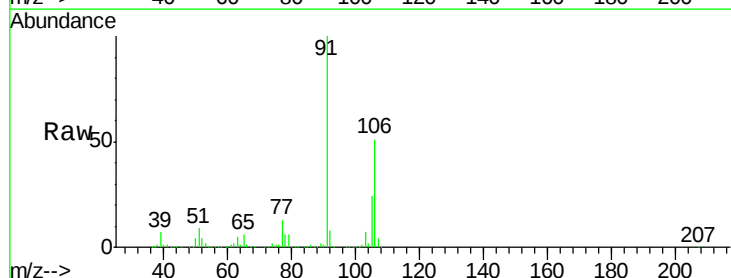
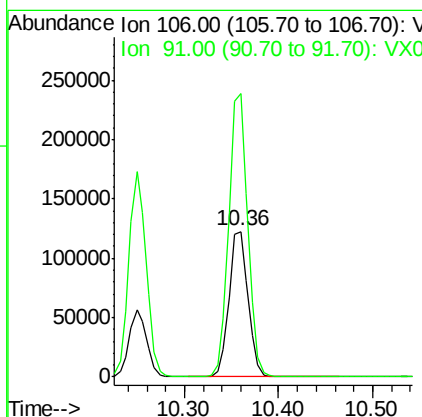
Manual Integrations
APPROVED

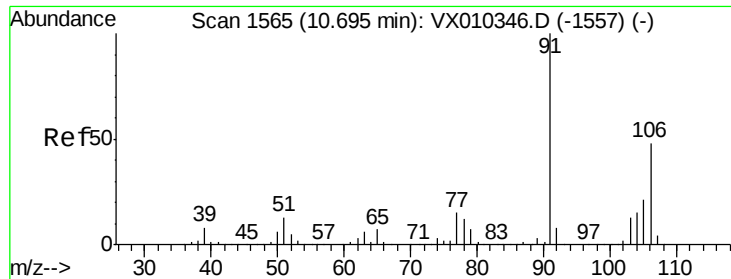
MMDadoda
6/28/2019 10:37:31 AM



#68
m/p-Xylenes
Concen: 38.143 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion: 106 Resp: 171091
Ion Ratio Lower Upper
106 100
91 194.8 155.3 232.9





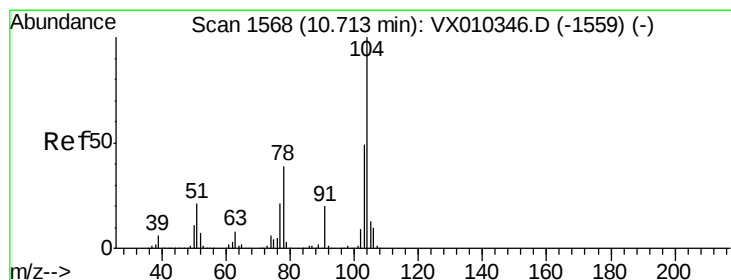
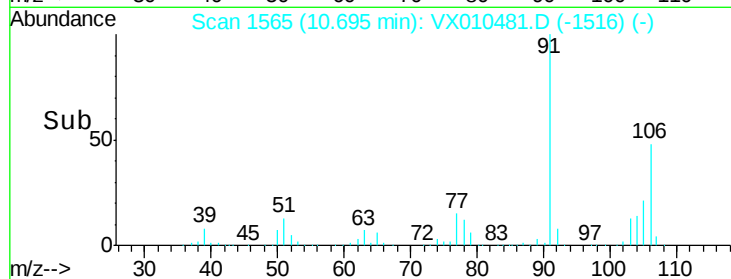
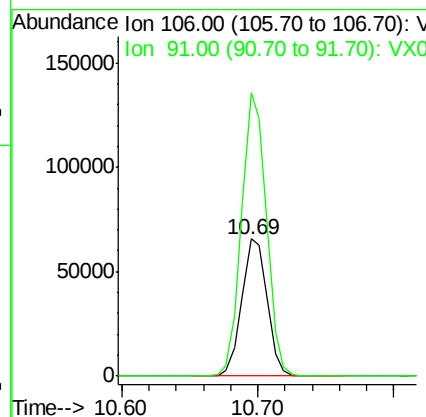
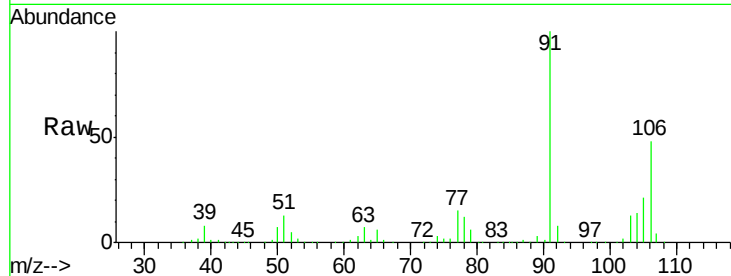
#69
o-Xylene
Concen: 19.283 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion:106 Resp: 85060
Ion Ratio Lower Upper
106 100
91 203.0 102.7 308.1

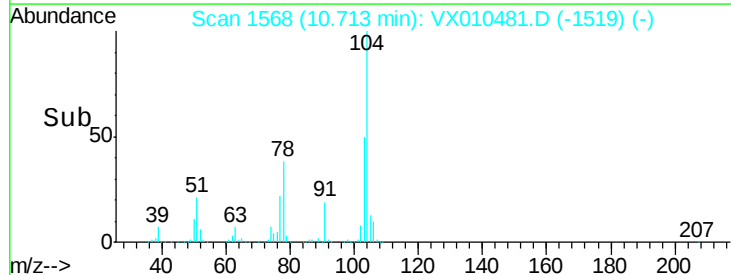
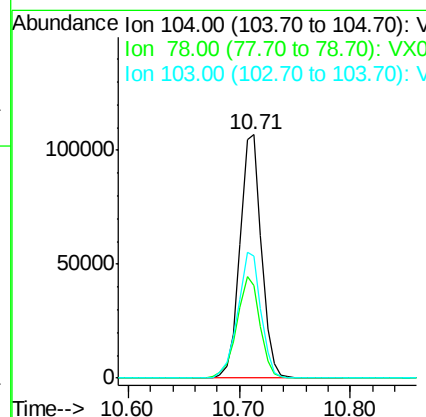
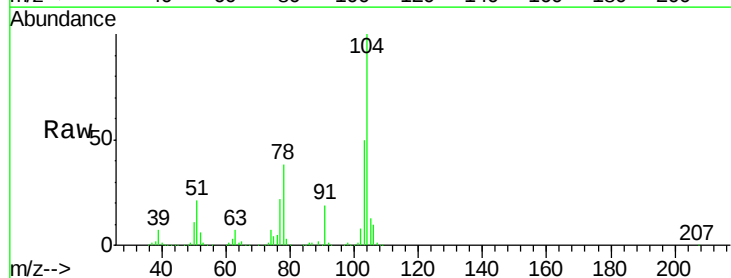
Manual Integrations
APPROVED

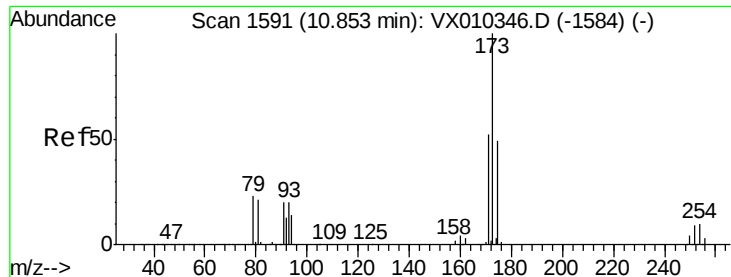
MMDadoda
6/28/2019 10:37:31 AM



#70
Styrene
Concen: 19.349 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion:104 Resp: 143131
Ion Ratio Lower Upper
104 100
78 44.8 36.2 54.2
103 55.8 44.2 66.4





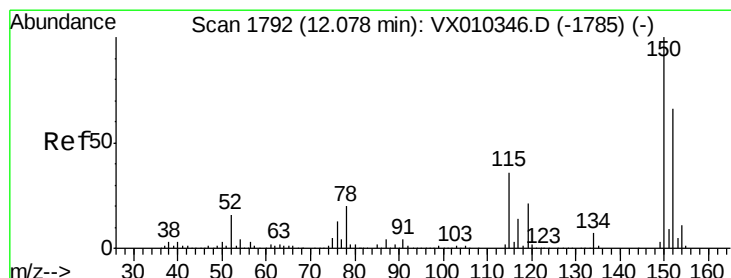
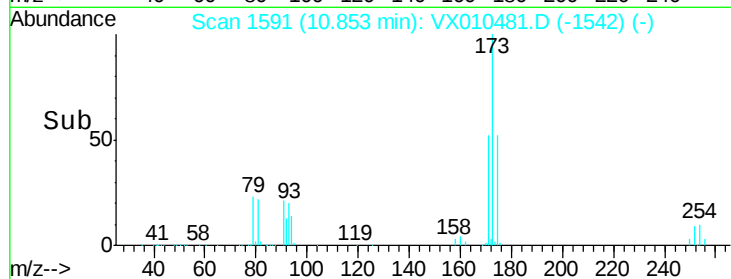
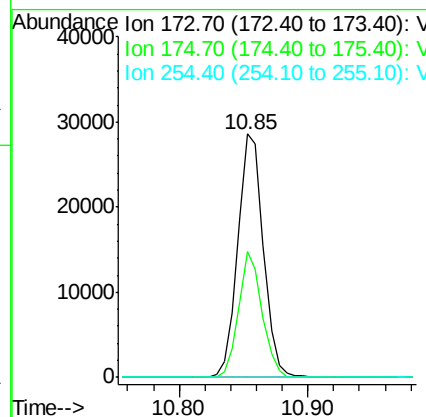
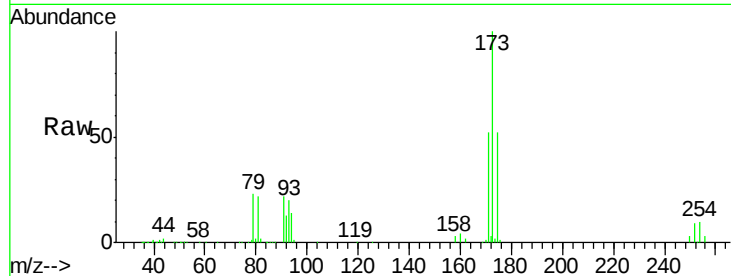
#71
Bromoform
Concen: 18.196 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.1	72.3
254	0.0	0.2	0.2

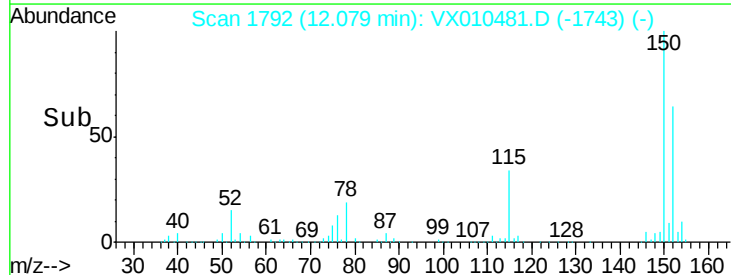
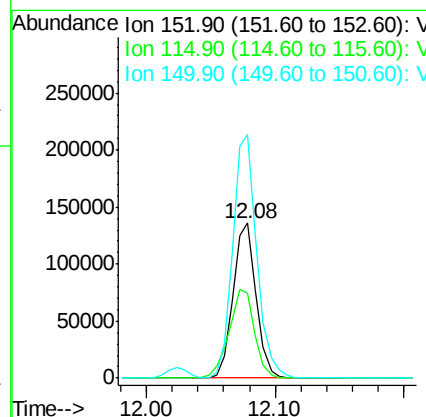
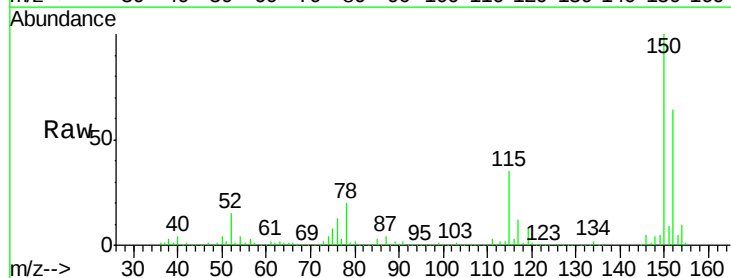
Manual Integrations
APPROVED

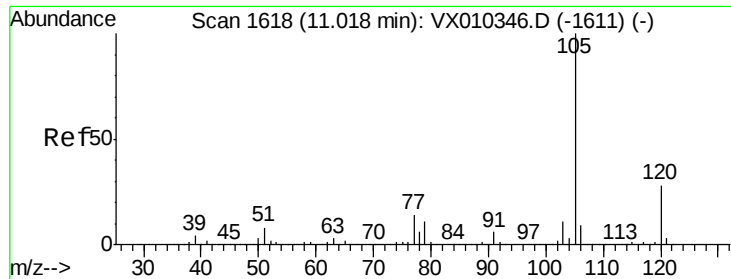
MMDadoda
6/28/2019 10:37:31 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	38.6	115.7
150	165.0	0.0	347.4





#73

Isopropylbenzene

Concen: 19.906 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 105 Resp: 228008

Ion Ratio Lower Upper

105 100

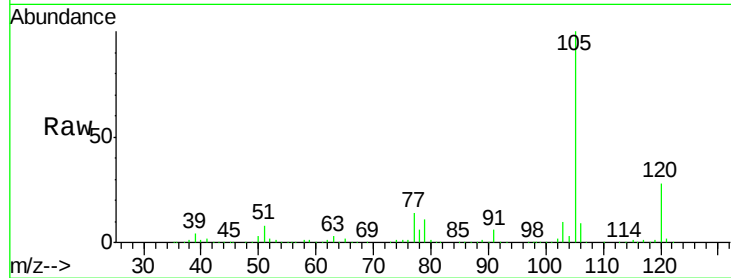
120 27.7 14.1 42.4

Manual Integrations

APPROVED

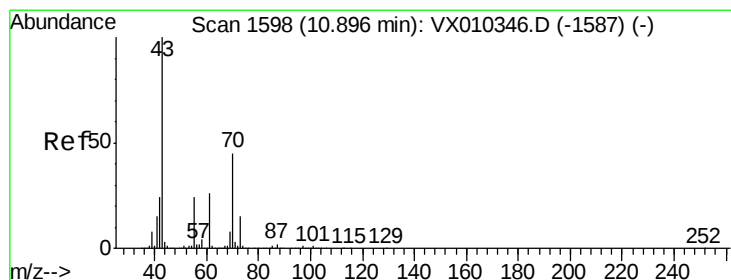
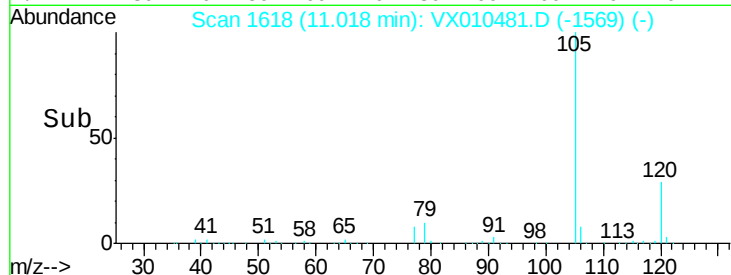
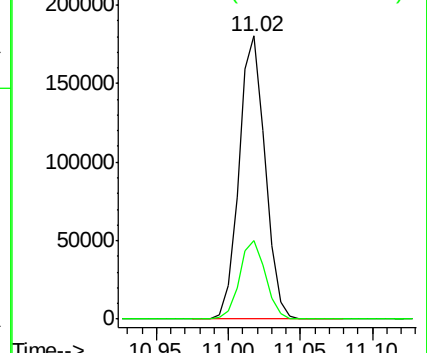
MMDadoda

6/28/2019 10:37:31 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.970 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion: 43 Resp: 86446

Ion Ratio Lower Upper

43 100

70 45.5 36.6 54.8

55 24.5 18.7 28.1

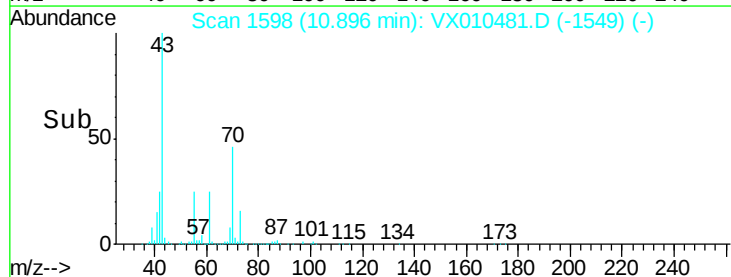
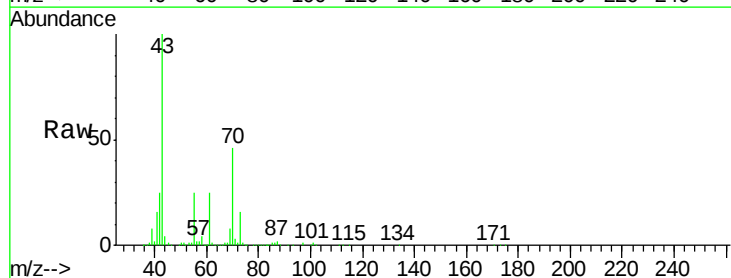
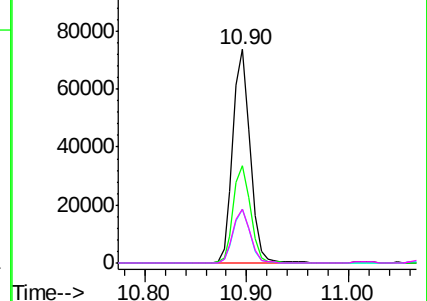
61 25.2 20.6 31.0

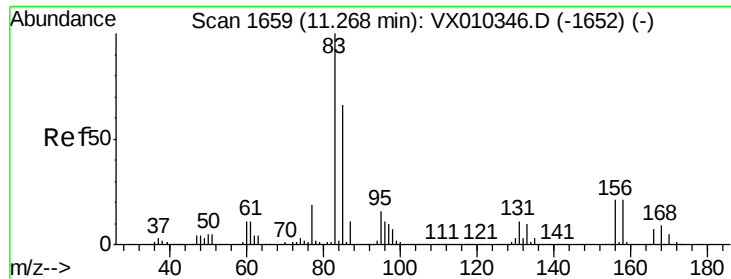
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.354 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

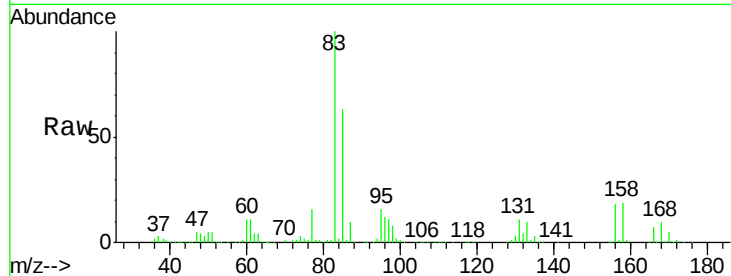
ClientSampleId :

VX0627WBS01

Tot Ion:	83	Resp:	77212
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	63.7	32.3	96.8

Manual Integrations
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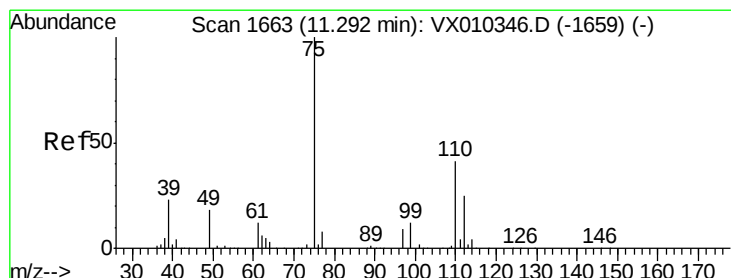
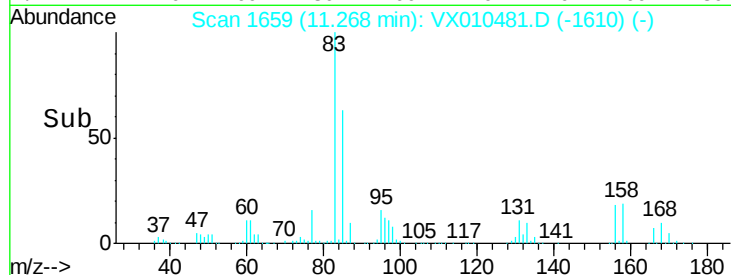
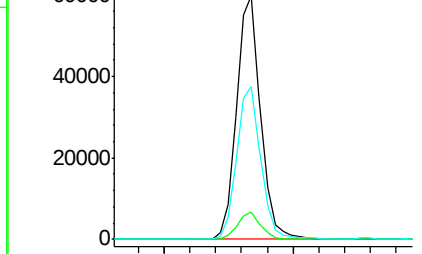
MMDadoda
6/28/2019 10:37:31 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.238 ug/l m

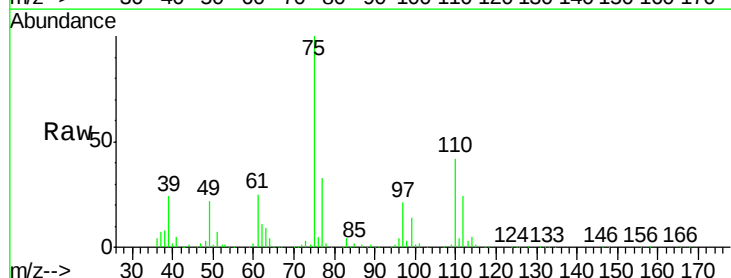
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010481.D

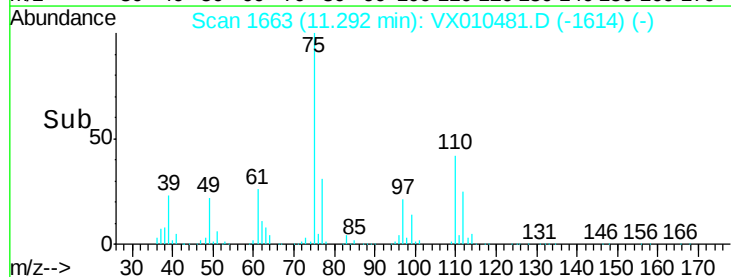
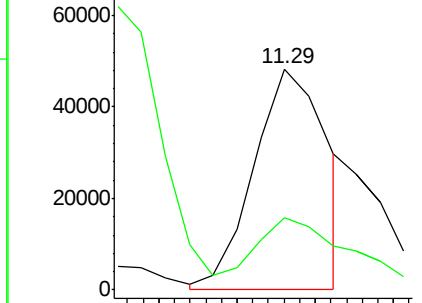
Acq: 27 Jun 2019 12:12

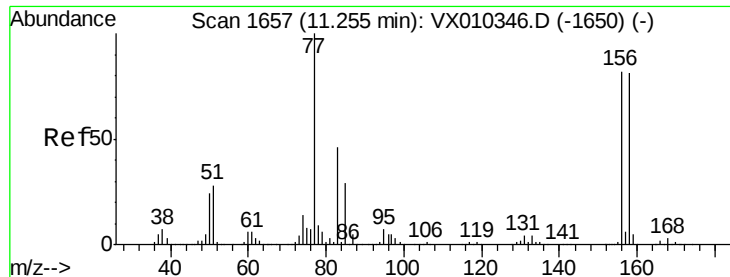
Tgt Ion:	75	Resp:	62317
Ion Ratio	Lower	Upper	
75	100		
77	43.6	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.354 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion:156 Resp: 61901

Ion Ratio Lower Upper

156 100

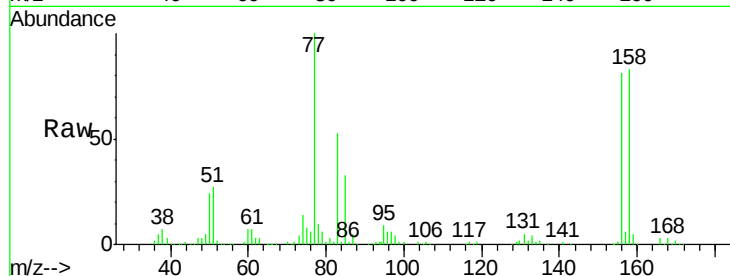
77 129.9 66.3 198.7

158 99.4 48.9 146.7

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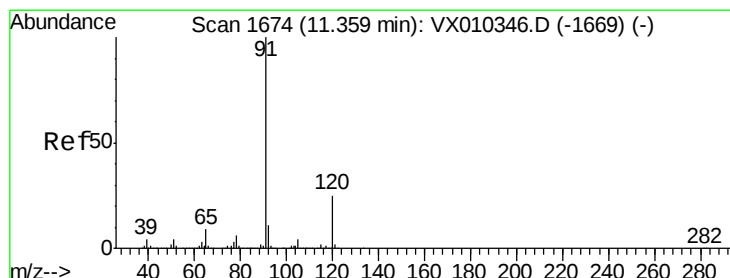
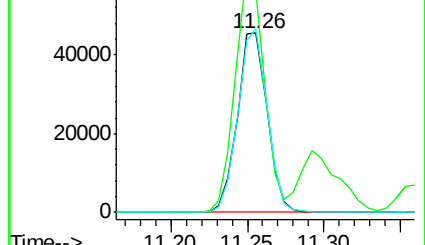
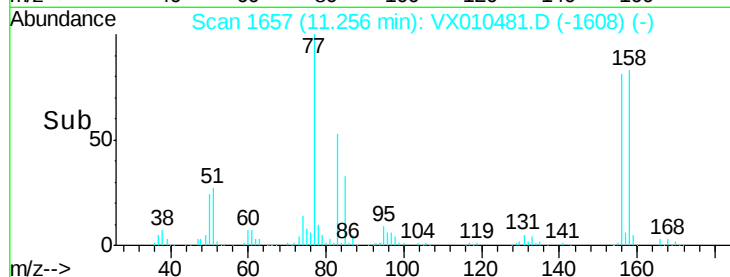
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.476 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010481.D

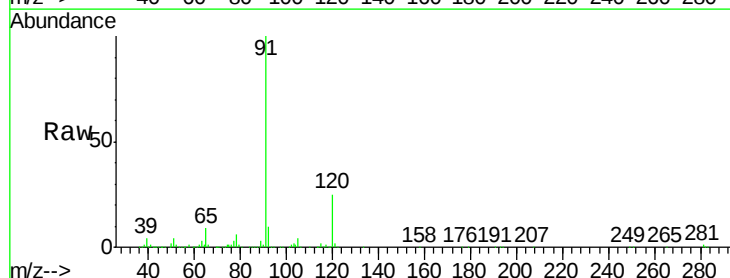
Acq: 27 Jun 2019 12:12

Tgt Ion: 91 Resp: 245185

Ion Ratio Lower Upper

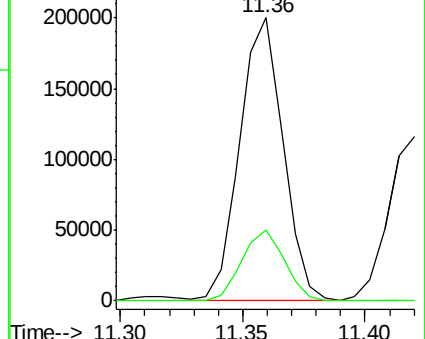
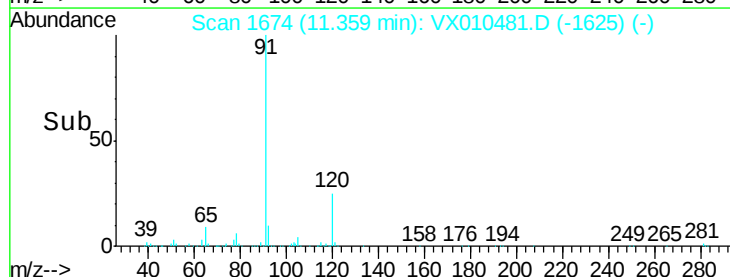
91 100

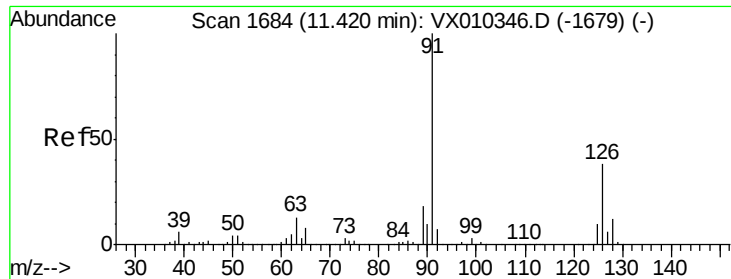
120 25.1 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.374 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion: 91 Resp: 145233

Ion Ratio Lower Upper

91 100

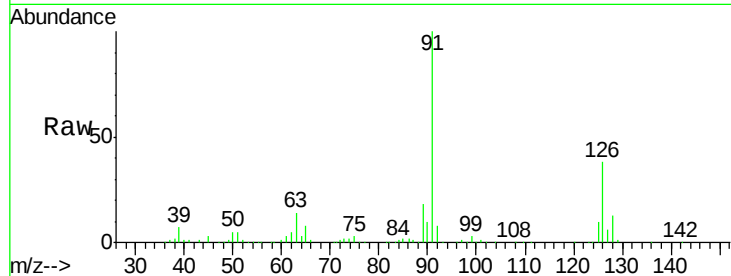
126 38.4 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

200000

150000

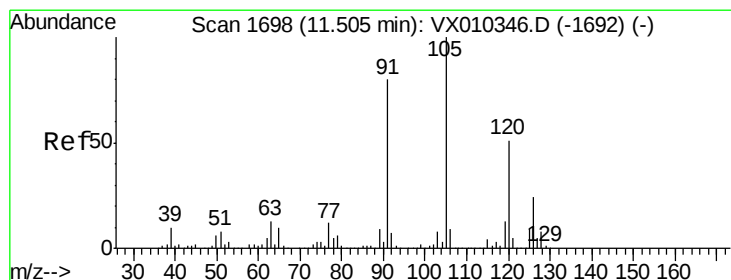
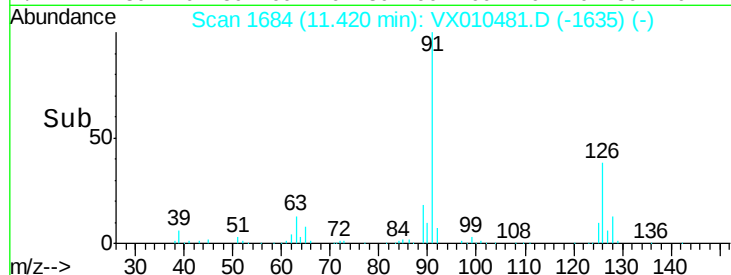
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.633 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010481.D

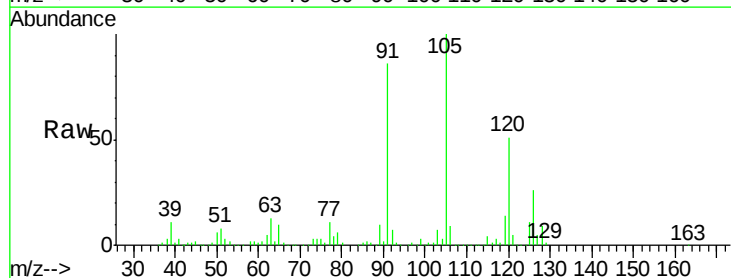
Acq: 27 Jun 2019 12:12

Tgt Ion: 105 Resp: 185387

Ion Ratio Lower Upper

105 100

120 50.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

150000

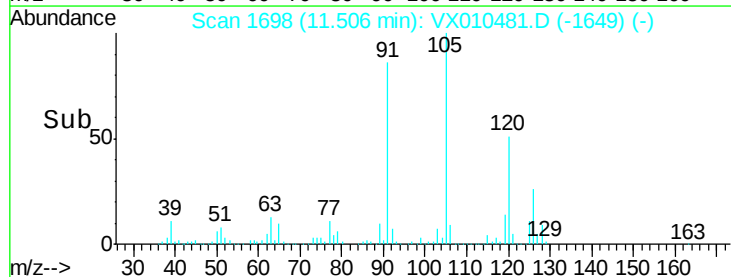
100000

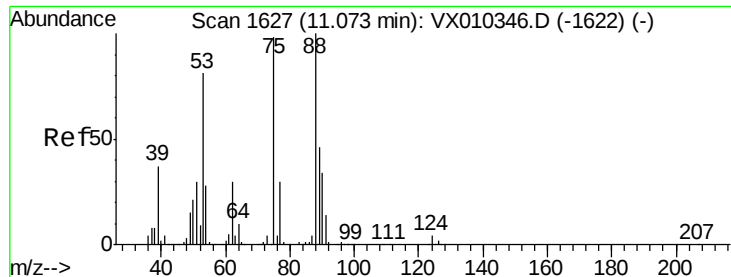
50000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.930 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

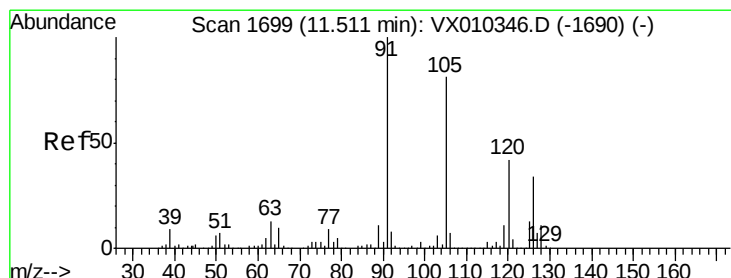
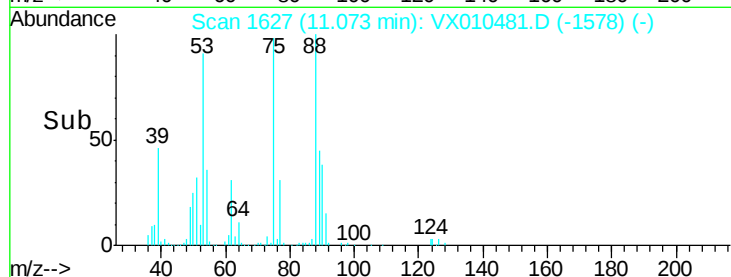
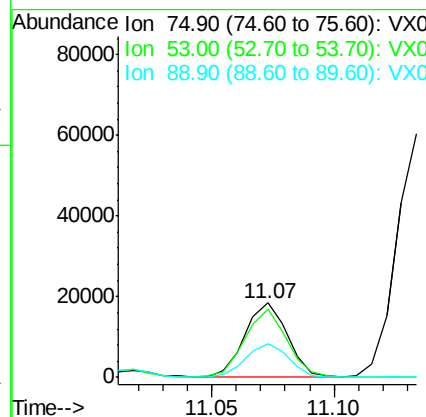
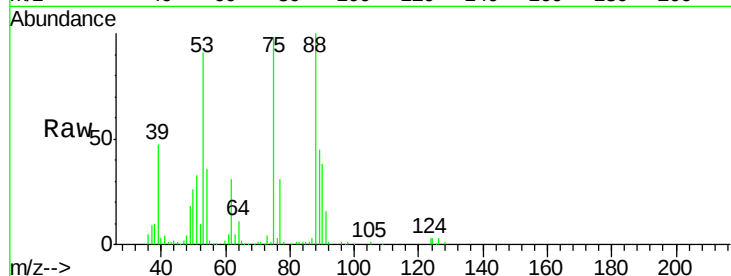
ClientSampleId :

VX0627WBS01

Tot Ion:	75	Resp:	22346
Ion	Ratio	Lower	Upper
75	100		
53	90.6	66.1	99.1
89	46.7	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.583 ug/l

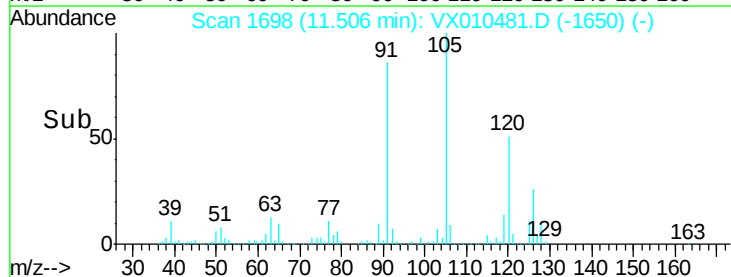
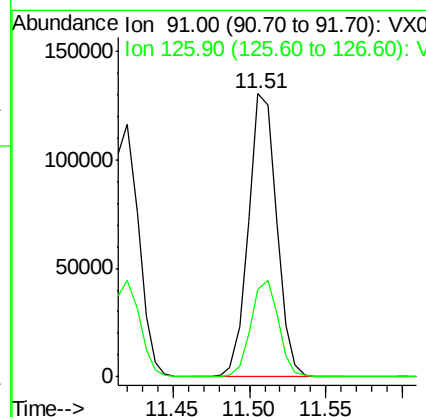
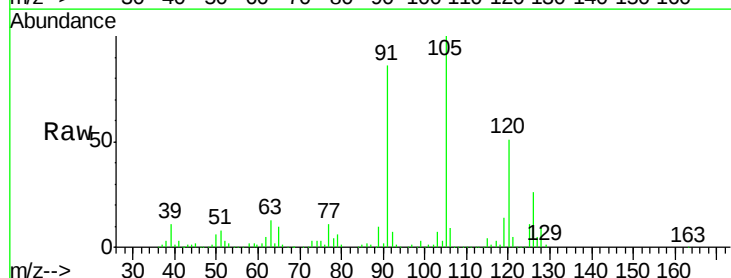
RT: 11.51 min Scan# 1698

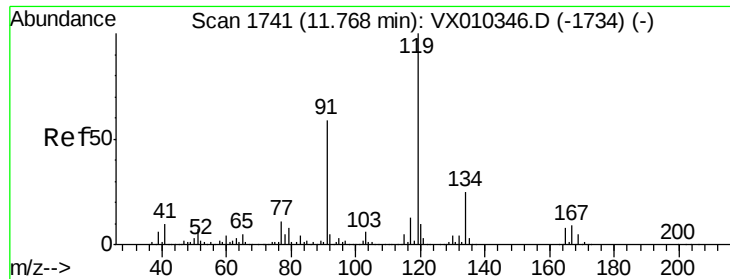
Delta R.T. -0.01 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:	91	Resp:	167043
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.2	48.6





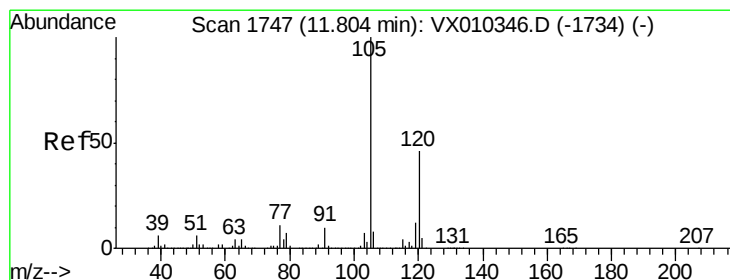
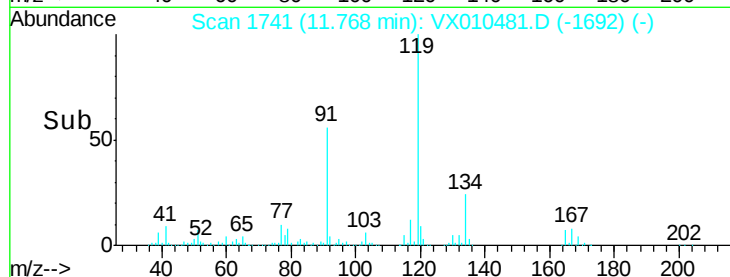
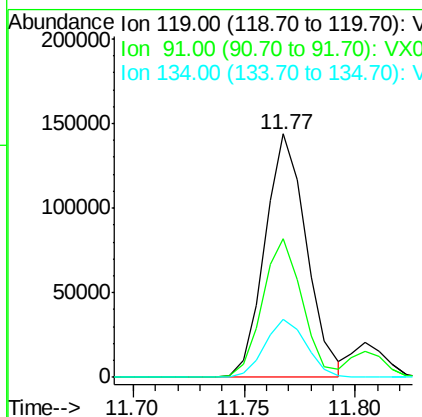
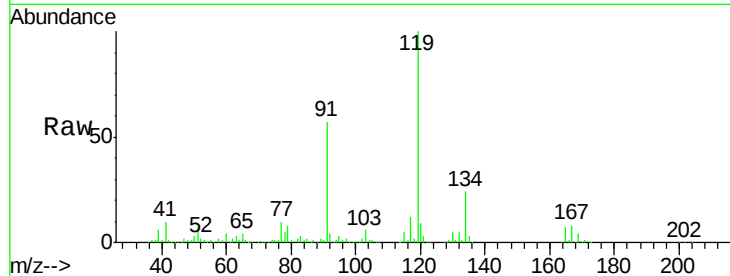
#83
tert-Butylbenzene
Concen: 19.652 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186250		
91	55.0	27.6	82.7	
134	23.8	11.8	35.4	

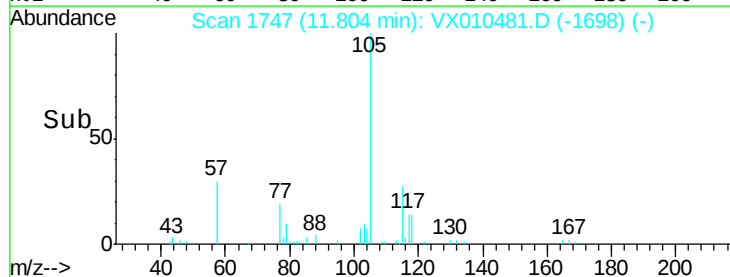
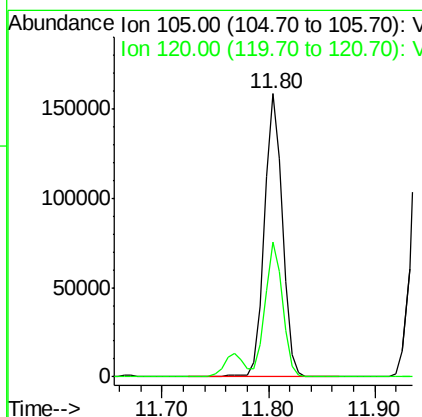
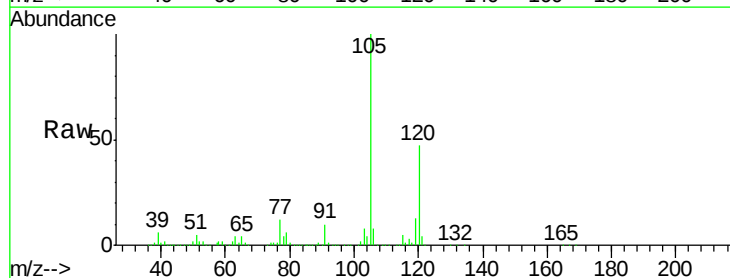
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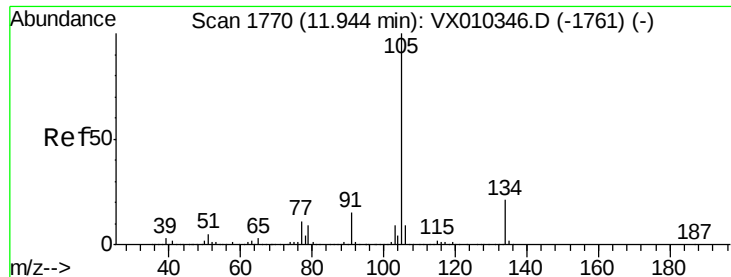
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#84
1,2,4-Trimethylbenzene
Concen: 19.812 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	187955		
120	45.5	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.615 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS01

Tot Ion:105 Resp: 218278

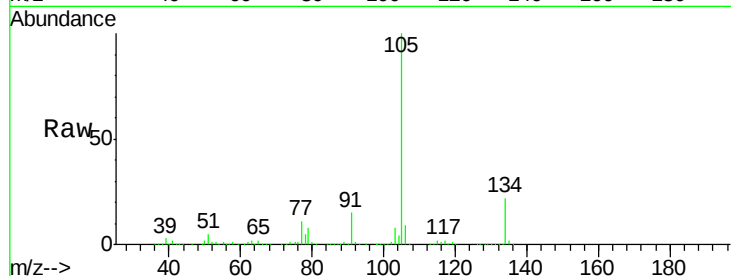
Ion Ratio Lower Upper

105 100

134 21.2 10.7 31.9

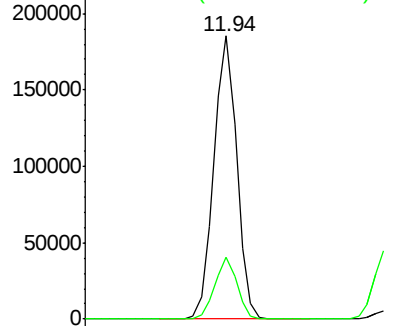
Manual Integrations
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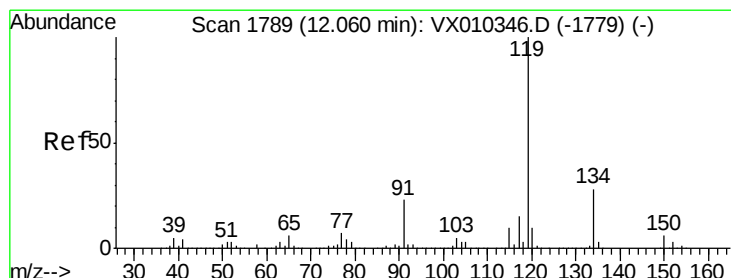
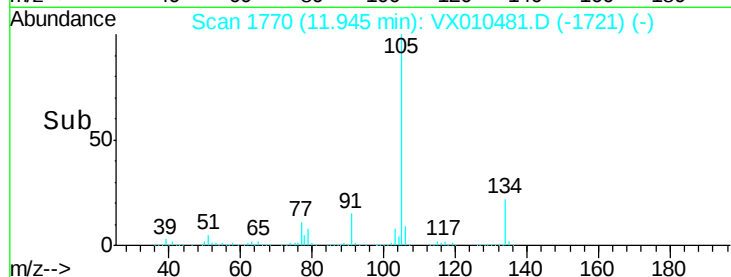


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.566 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

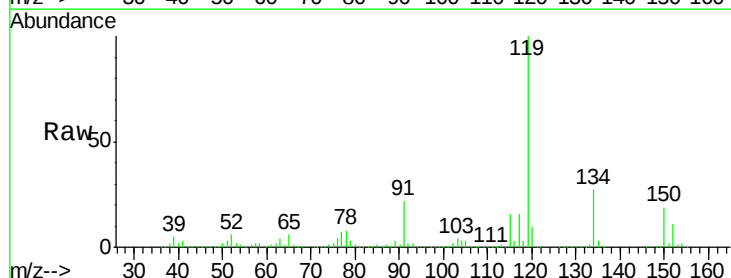
Tgt Ion:119 Resp: 201397

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

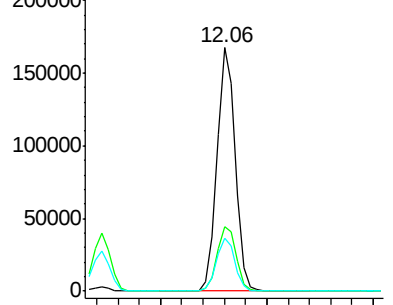
91 22.2 11.3 33.8



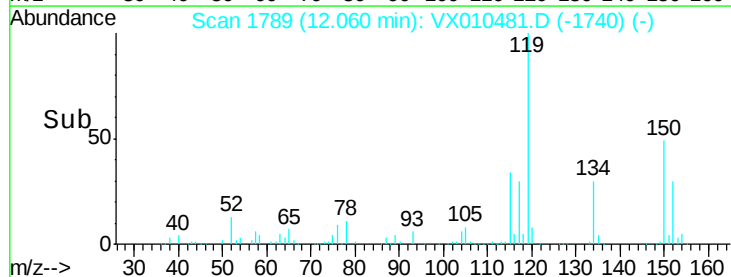
Abundance Ion 119.00 (118.70 to 119.70): V

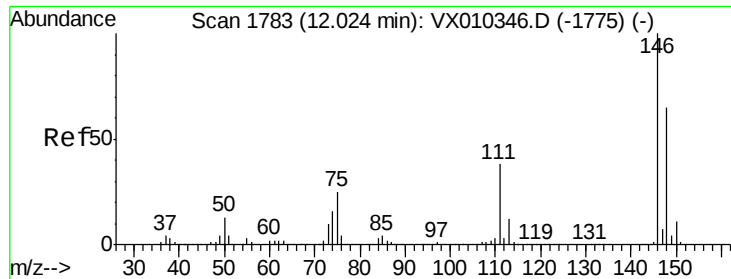
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 19.325 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

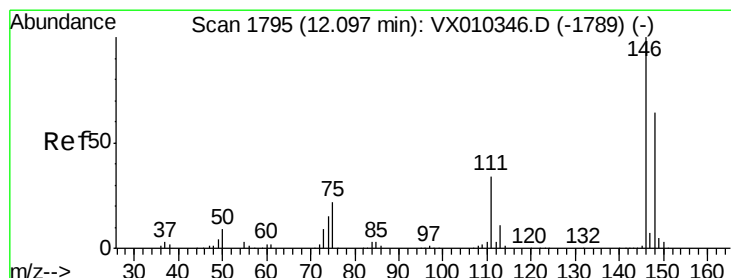
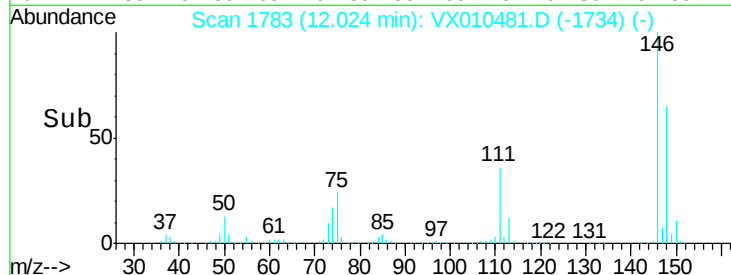
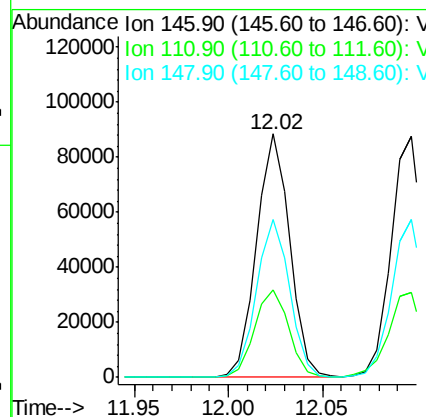
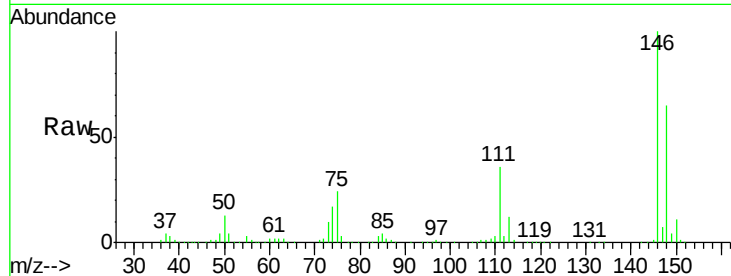
ClientSampleId :

VX0627WBS01

Tot Ion:	146	Resp:	107891
Ion Ratio	Lower	Upper	
146	100		
111	37.1	19.1	57.1
148	64.6	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.922 ug/l

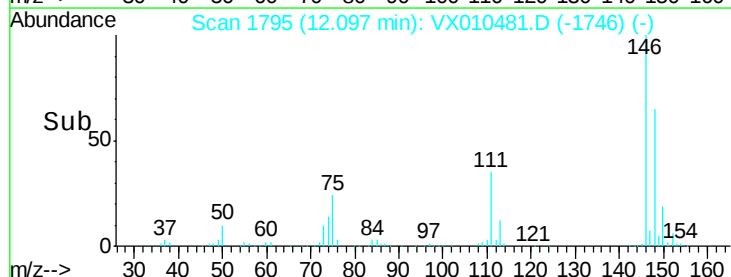
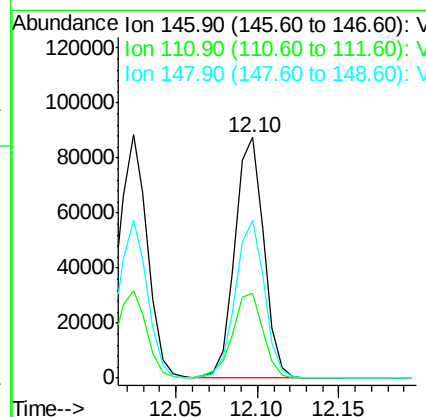
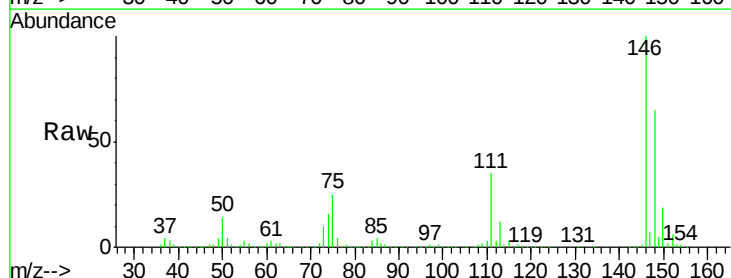
RT: 12.10 min Scan# 1795

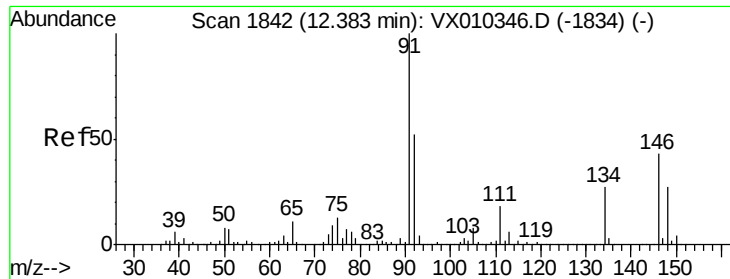
Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:	146	Resp:	107547
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.1	54.3
148	66.0	32.1	96.3





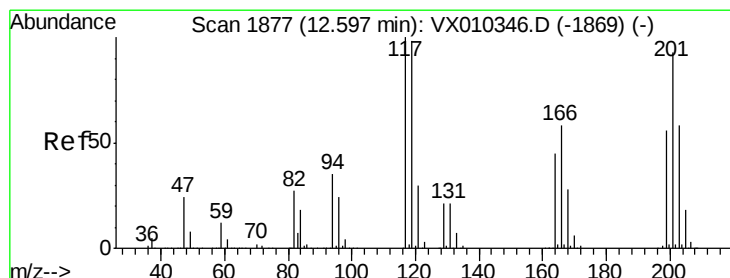
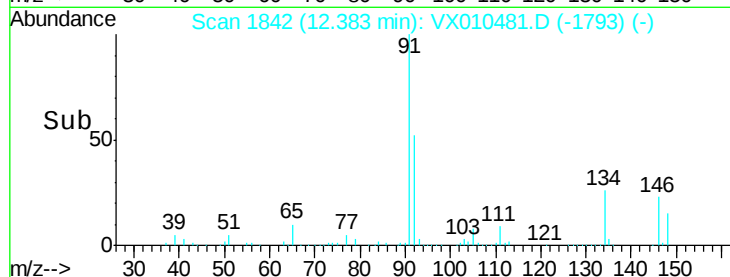
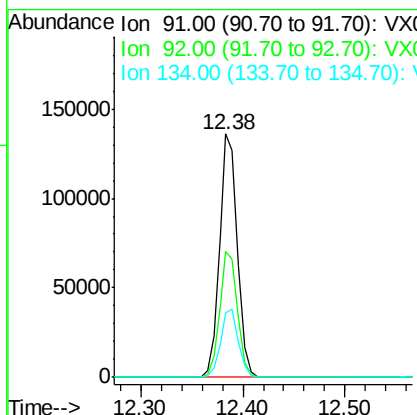
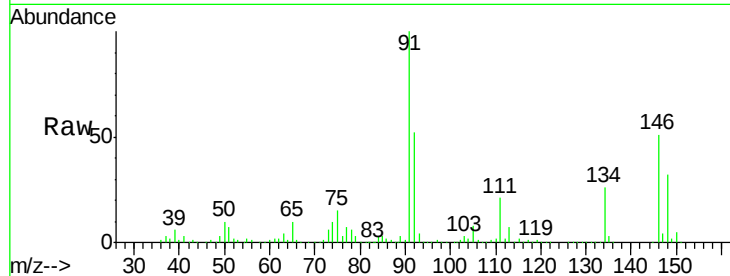
#89
n-Butylbenzene
Concen: 19.002 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.5
134	27.9	14.1	42.4

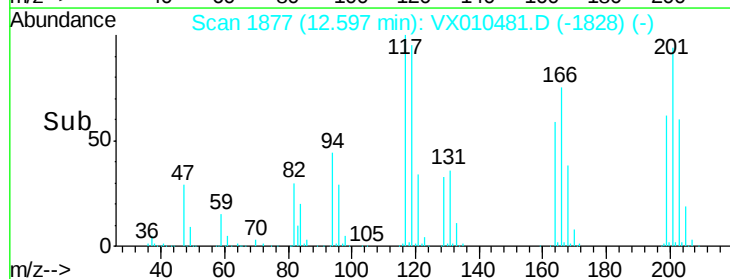
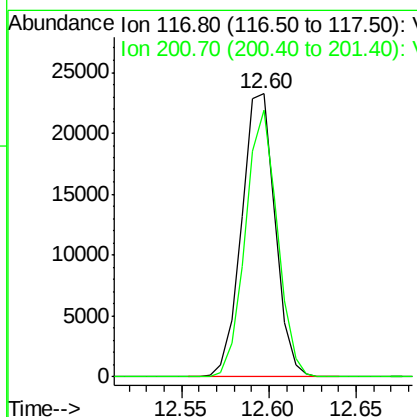
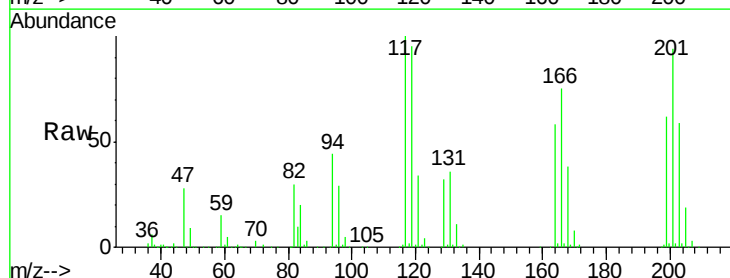
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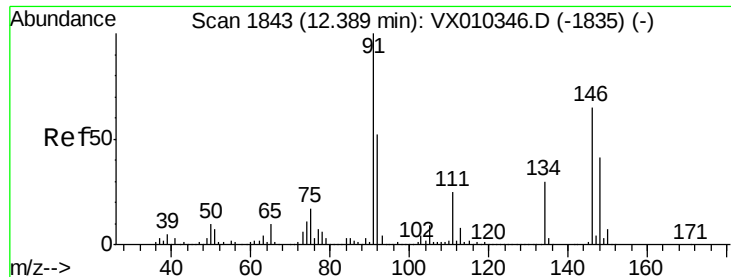
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#90
Hexachloroethane
Concen: 17.366 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	44.0	131.8





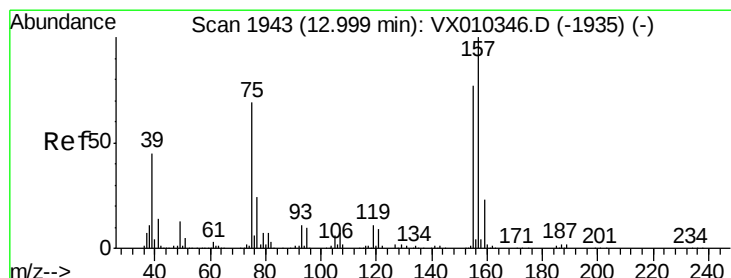
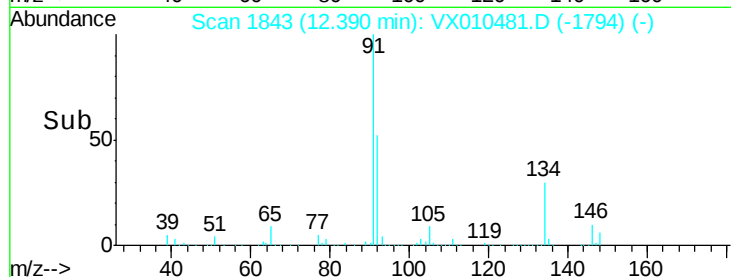
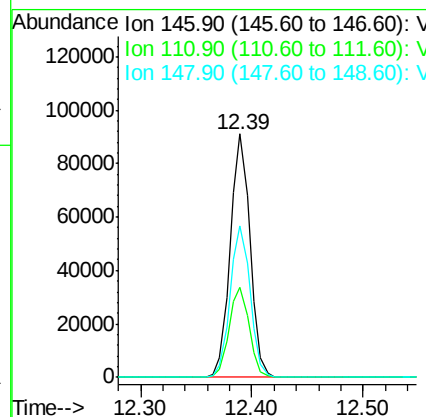
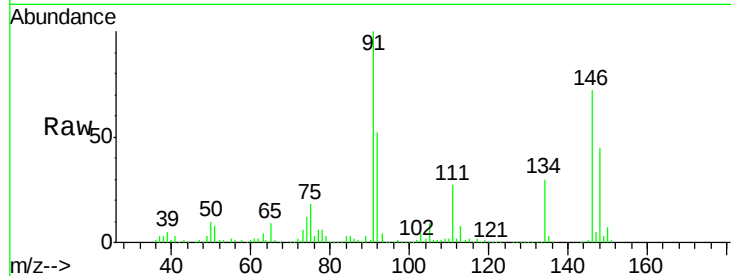
#91
1,2-Dichlorobenzene
Concen: 20.074 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.6	19.2	57.6	
148	63.5	32.0	96.0	

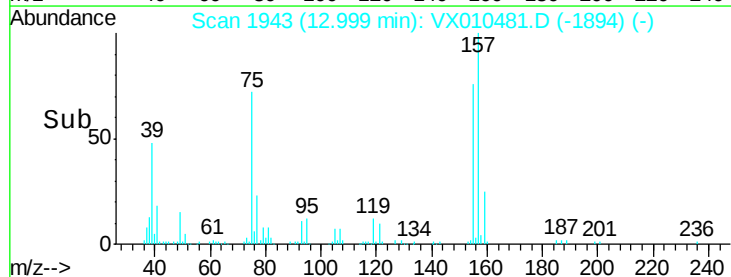
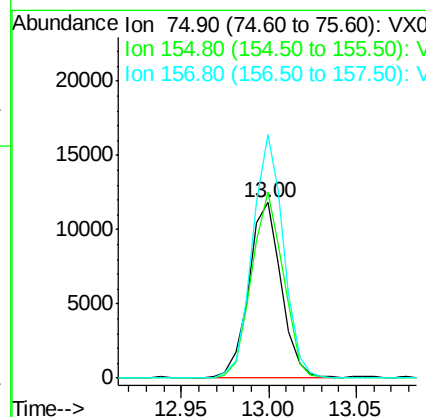
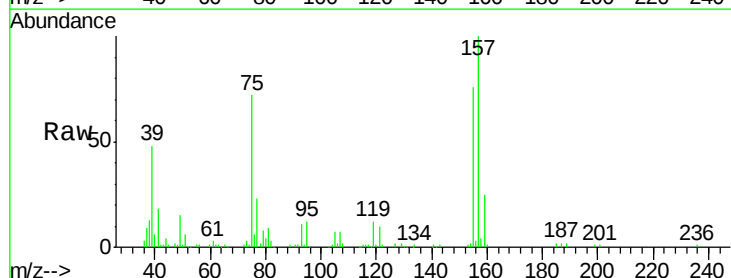
Manual Integrations
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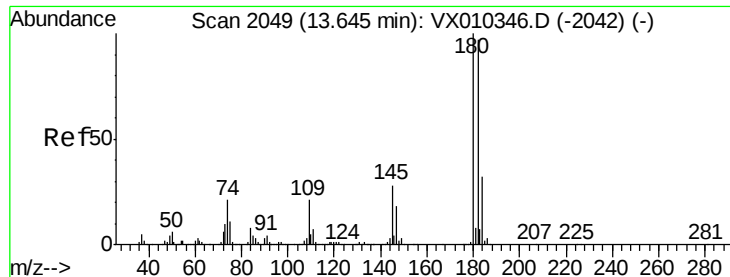
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#92
1,2-Dibromo-3-Chloropropane
Concen: 18.700 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX010481.D
Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	103.2	54.4	163.1	
157	132.0	69.5	208.3	





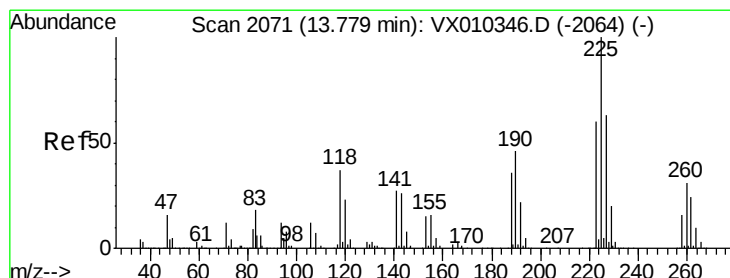
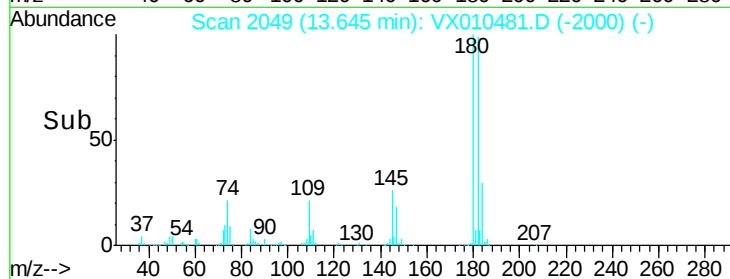
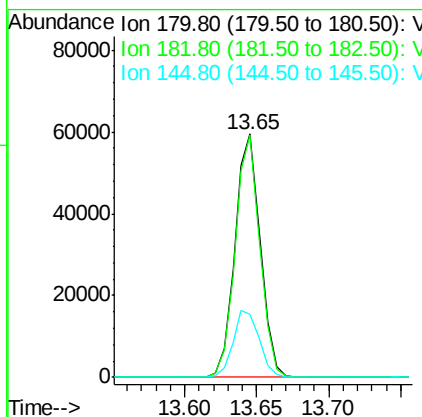
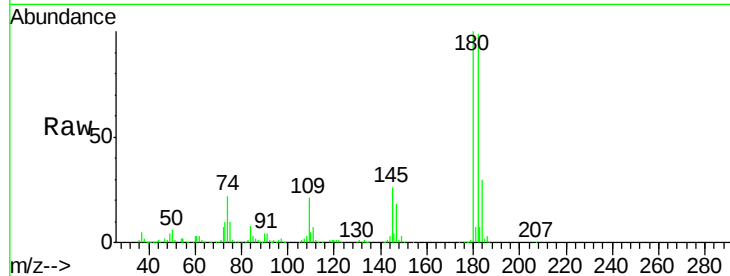
#93
 1,2,4-Trichlorobenzene
 Concen: 18.990 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	73073		
182	96.5	48.0	144.0	
145	28.3	14.4	43.4	

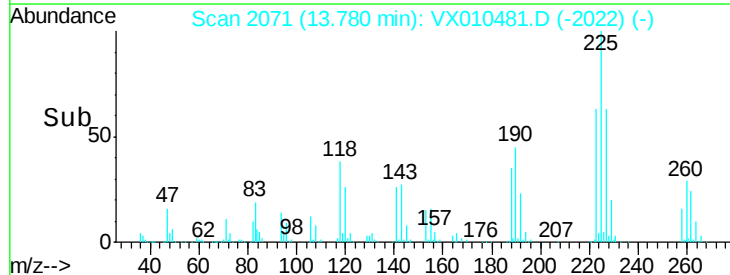
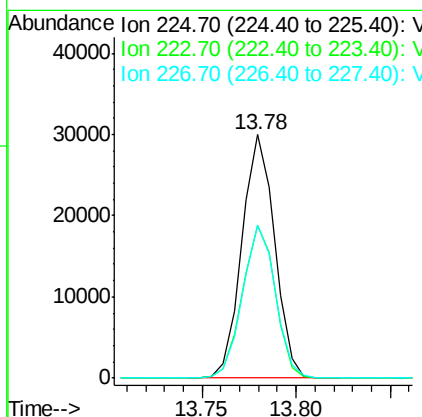
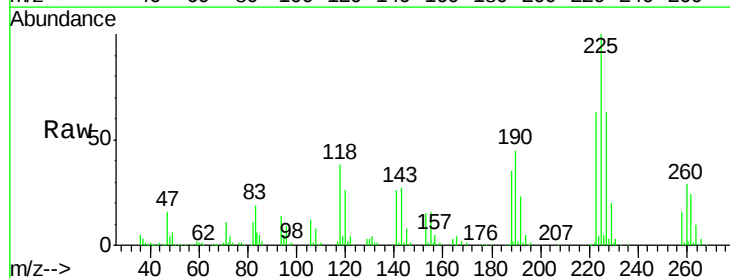
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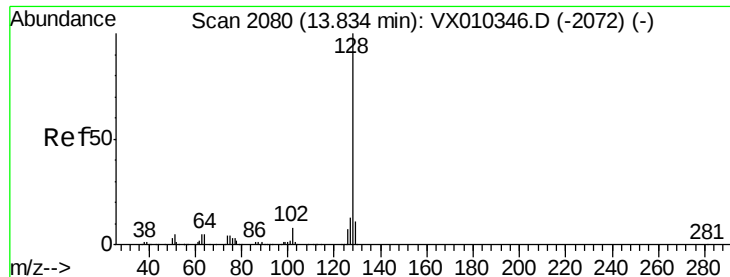
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#94
 Hexachlorobutadiene
 Concen: 19.154 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010481.D
 Acq: 27 Jun 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36022		
223	63.0	30.9	92.7	
227	63.1	31.9	95.5	





#95

Naphthalene

Concen: 19.367 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Instrument :

MSVOA_X

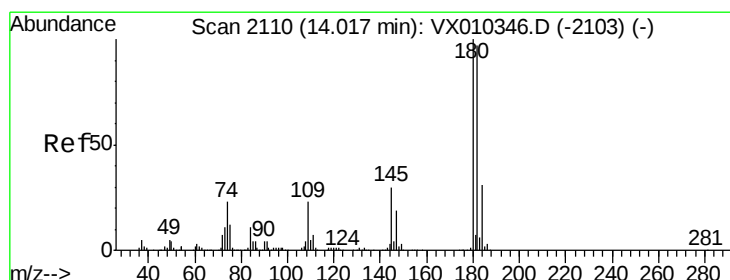
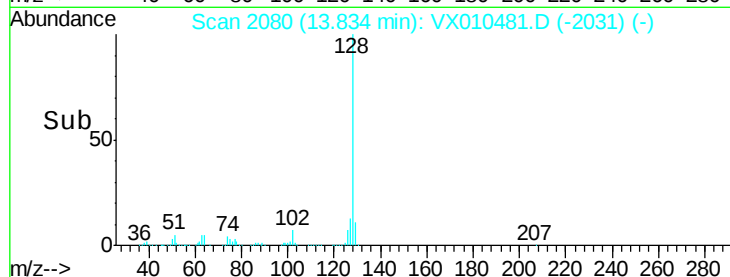
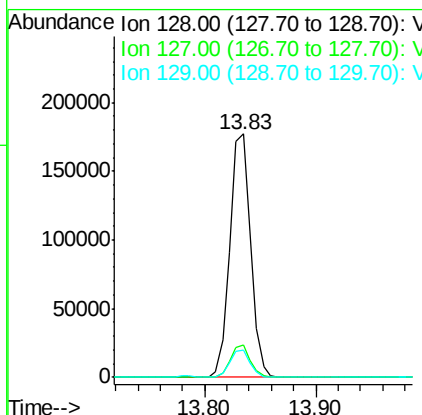
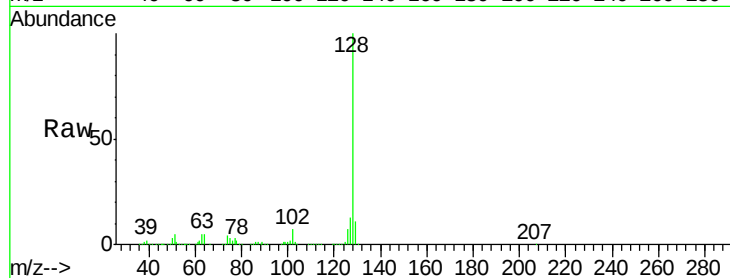
ClientSampleId :

VX0627WBS01

Tot Ion:	128	Resp:	229019
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.689 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010481.D

Acq: 27 Jun 2019 12:12

Tgt Ion:	180	Resp:	75327
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.3
145	29.8	15.2	45.6

