

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061919\
 Data File : VX010344.D
 Acq On : 19 Jun 2019 12:41
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 1:23:19 PM

Quant Time: Jun 20 03:36:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:08:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	287804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	430936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	386599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	13719	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
35) Dibromofluoromethane	5.50	113	12840	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
50) Toluene-d8	8.71	98	49684	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	11.13	95	17491	4.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	9953	3.992	ug/l	100
3) Chloromethane	1.32	50	11670	4.546	ug/l	97
4) Vinyl Chloride	1.41	62	12765	5.186	ug/l	94
5) Bromomethane	1.64	94	6931	7.064	ug/l	99
6) Chloroethane	1.71	64	7401	5.865	ug/l	92
7) Trichlorofluoromethane	1.93	101	20523	5.502	ug/l	98
8) Diethyl Ether	2.18	74	7486	5.744	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	12353	4.907	ug/l	98
10) Methyl Iodide	2.51	142	14893	3.872	ug/l	97
11) Tert butyl alcohol	3.05	59	19506m	28.432	ug/l	
12) 1,1-Dichloroethene	2.37	96	12673	4.924	ug/l	97
13) Acrolein	2.29	56	12975	69.766	ug/l	92
14) Allyl chloride	2.73	41	17609	4.556	ug/l	99
15) Acrylonitrile	3.14	53	35771	25.407	ug/l	99
16) Acetone	2.45	43	31089	23.128	ug/l	100
17) Carbon Disulfide	2.57	76	32466	4.399	ug/l	99
18) Methyl Acetate	2.78	43	13860	4.799	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	39159	4.746	ug/l	100
20) Methylene Chloride	2.85	84	13950	4.823	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	13235	4.655	ug/l	98
22) Diisopropyl ether	3.85	45	36345	4.887	ug/l	# 94
23) Vinyl Acetate	3.81	43	157450	23.727	ug/l	98
24) 1,1-Dichloroethane	3.70	63	21650	4.801	ug/l	99
25) 2-Butanone	4.68	43	47950	24.220	ug/l	96
26) 2,2-Dichloropropane	4.58	77	18210	4.474	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	15422	4.858	ug/l	96
28) Bromochloromethane	5.01	49	10131	4.982	ug/l	93
29) Tetrahydrofuran	5.13	42	29795	24.039	ug/l	94
30) Chloroform	5.21	83	23144	4.940	ug/l	95
31) Cyclohexane	5.57	56	19850	4.907	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	19755	4.493	ug/l	96
36) 1,1-Dichloropropene	5.80	75	16739	4.767	ug/l	98
37) Ethyl Acetate	4.84	43	17310	4.716	ug/l	94
38) Carbon Tetrachloride	5.78	117	17413	4.390	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	22091	4.637	ug/l	92
40) Benzene	6.14	78	52783	4.850	ug/l	95
41) Methacrylonitrile	5.04	41	8959	4.527	ug/l #	92
42) 1,2-Dichloroethane	6.20	62	16644	4.809	ug/l	99
43) Isopropyl Acetate	6.45	43	28642	4.688	ug/l	99
44) Trichloroethene	7.21	130	15732	4.791	ug/l	97
45) 1,2-Dichloropropane	7.51	63	13196	4.845	ug/l	94
46) Dibromomethane	7.66	93	9310	4.559	ug/l	98
47) Bromodichloromethane	7.90	83	16511	4.355	ug/l	95
48) Methyl methacrylate	7.77	41	12974	4.556	ug/l	99
49) 1,4-Dioxane	7.74	88	7839	96.220	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	90957	24.790	ug/l	99
52) Toluene	8.78	92	34442	4.801	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	17766	4.074	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	20169	4.294	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	14207	4.841	ug/l	95
56) Ethyl methacrylate	9.18	69	20401	4.428	ug/l	99
57) 1,3-Dichloropropane	9.37	76	22323	4.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	52287	24.040	ug/l	97
59) 2-Hexanone	9.49	43	71769	24.501	ug/l	99
60) Dibromochloromethane	9.58	129	14148	4.102	ug/l	96
61) 1,2-Dibromoethane	9.67	107	14816	4.545	ug/l	100
64) Tetrachloroethene	9.34	164	16791	5.747	ug/l	96
65) Chlorobenzene	10.13	112	39637	4.968	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	13892	4.544	ug/l	97
67) Ethyl Benzene	10.25	91	64390	4.739	ug/l	100
68) m/p-Xylenes	10.36	106	50962	9.683	ug/l	98
69) o-Xylene	10.69	106	25417	4.868	ug/l	100
70) Styrene	10.71	104	41636	4.715	ug/l	99
71) Bromoform	10.85	173	10653	3.804	ug/l #	97
73) Isopropylbenzene	11.02	105	65329	4.883	ug/l	99
74) N-amyl acetate	10.90	43	23850	4.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	21402	4.682	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	17696m	4.641	ug/l	
77) Bromobenzene	11.26	156	17981	4.876	ug/l	98
78) n-propylbenzene	11.36	91	68361	4.588	ug/l	99
79) 2-Chlorotoluene	11.42	91	42121	4.719	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	52913	4.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	6427	3.773	ug/l	94
82) 4-Chlorotoluene	11.51	91	48101	4.743	ug/l	97
83) tert-Butylbenzene	11.77	119	53453	4.693	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	52486	4.602	ug/l	99
85) sec-Butylbenzene	11.94	105	62028	4.665	ug/l	98
86) p-Isopropyltoluene	12.06	119	56487	4.640	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	32014	4.938	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	32072	4.890	ug/l	93
89) n-Butylbenzene	12.38	91	45790	4.374	ug/l	99
90) Hexachloroethane	12.60	117	8909	3.727	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	32472	5.132	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4285	4.035	ug/l	93

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MSVOA_X
ClientSampleId :
VSTDICC005

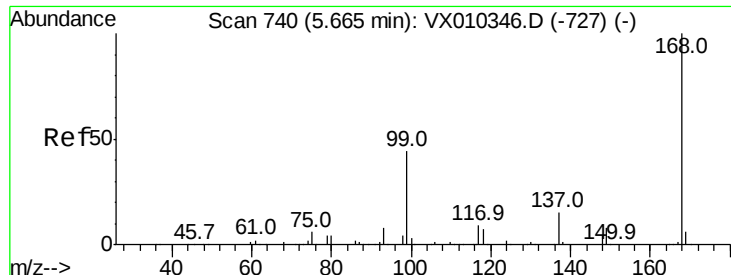
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	19915	4.304	ug/l	97
94) Hexachlorobutadiene	13.78	225	10082	4.826	ug/l	99
95) Naphthalene	13.83	128	62069	4.279	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	21377	4.664	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 287804

Ion Ratio Lower Upper

168 100

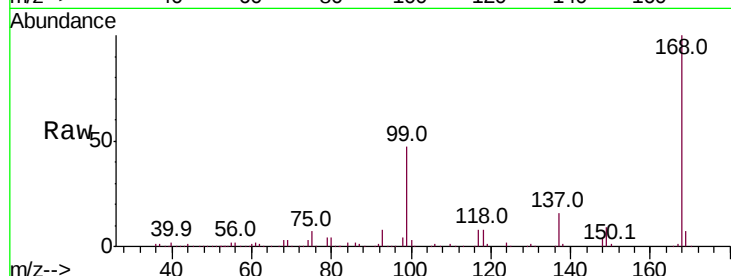
99 46.6 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

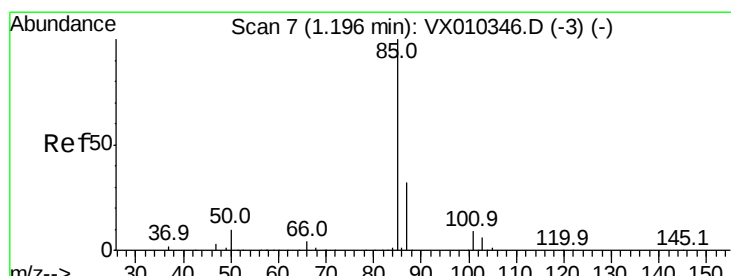
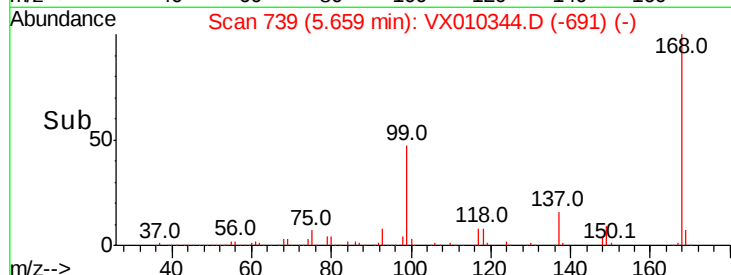
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 3.992 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010344.D

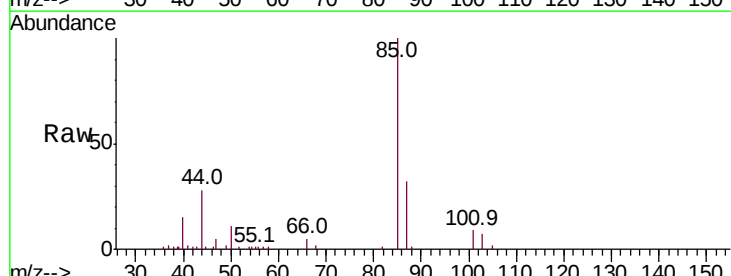
Acq: 19 Jun 2019 12:41

Tgt Ion: 85 Resp: 9953

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

12000

10000

8000

6000

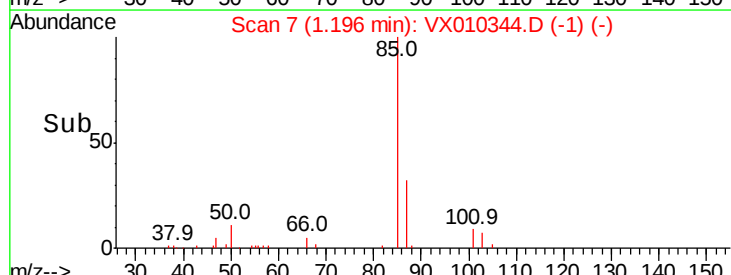
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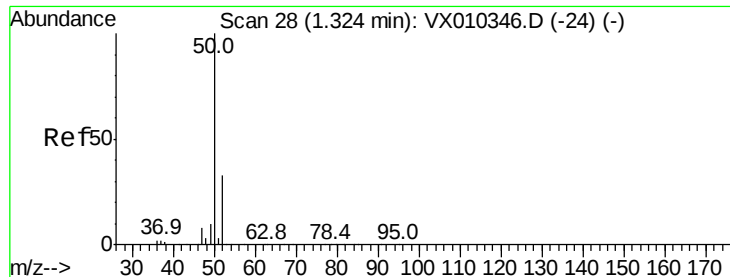
2000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 4.546 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11670

Ion Ratio Lower Upper

50 100

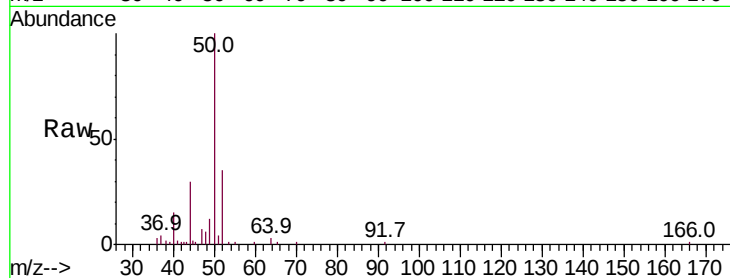
52 34.9 26.5 39.7

Manual Integrations

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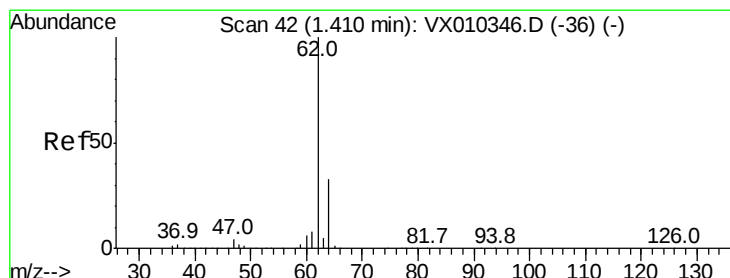
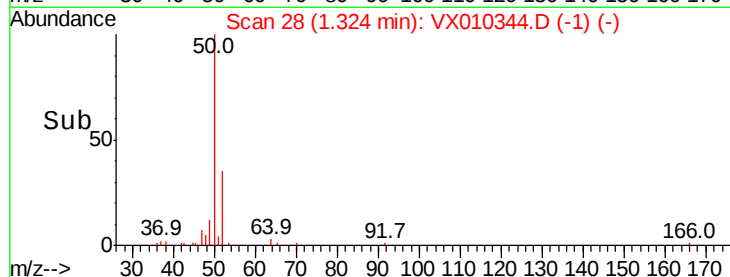
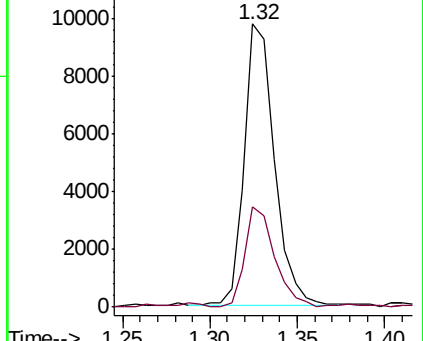
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 5.186 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010344.D

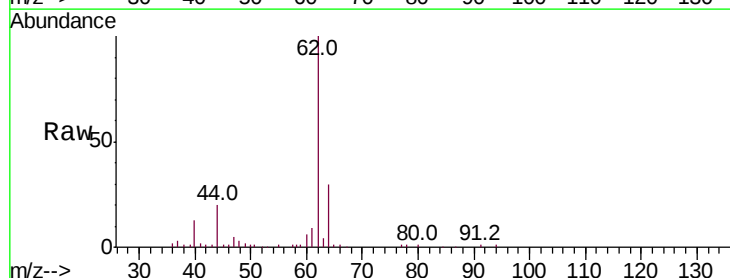
Acq: 19 Jun 2019 12:41

Tgt Ion: 62 Resp: 12765

Ion Ratio Lower Upper

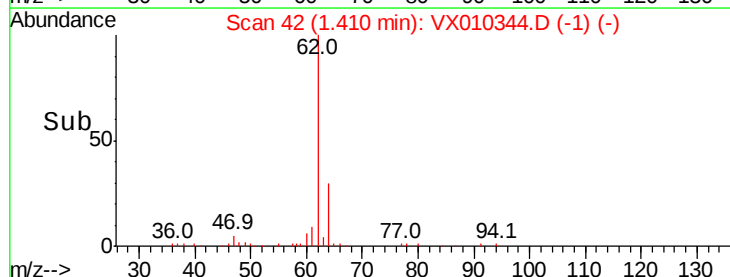
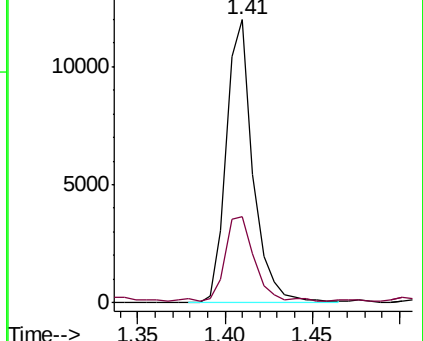
62 100

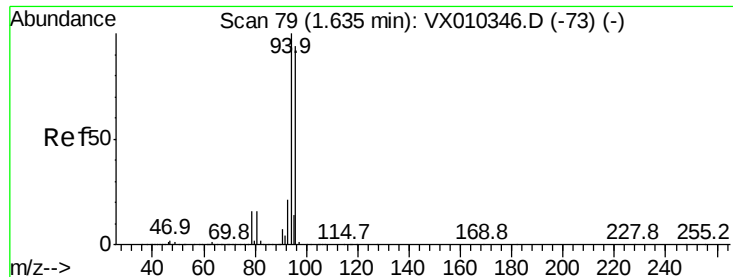
64 29.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 7.064 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6931

Ion Ratio Lower Upper

94 100

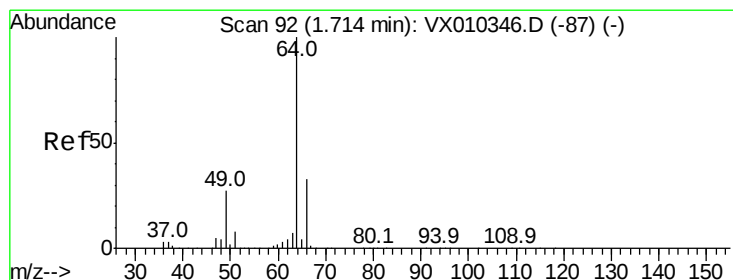
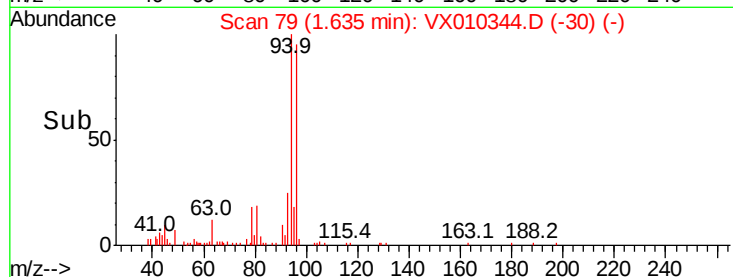
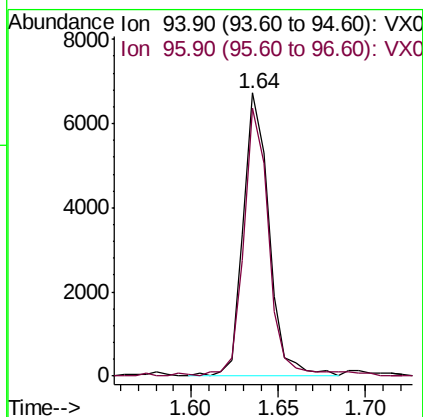
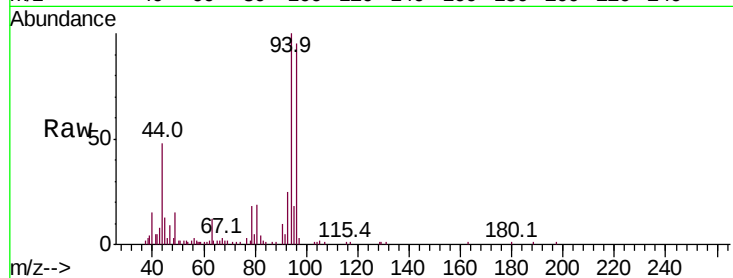
96 93.9 75.5 113.3

Manual Integrations

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6/20/2019 1:23:19 PM



#6

Chloroethane

Concen: 5.865 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010344.D

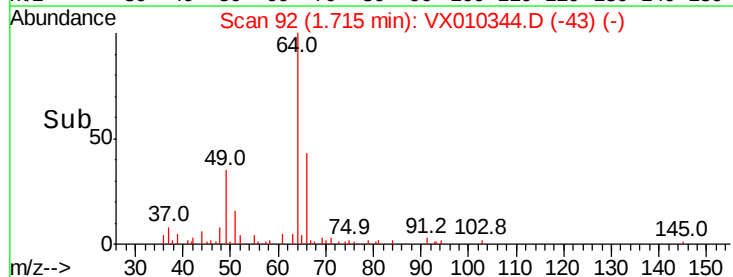
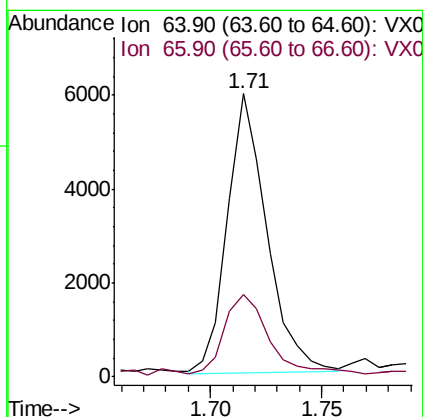
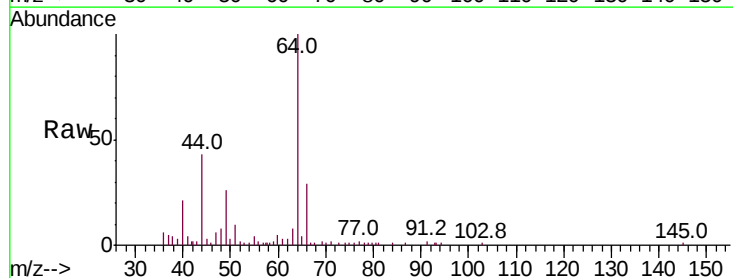
Acq: 19 Jun 2019 12:41

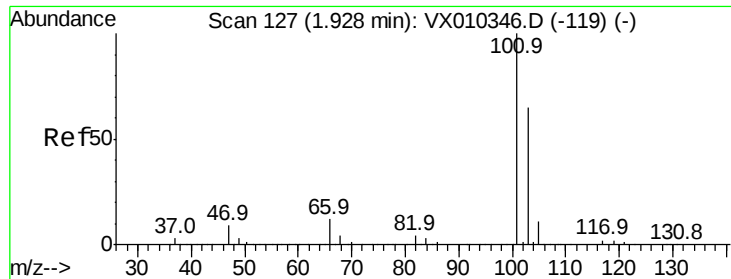
Tgt Ion: 64 Resp: 7401

Ion Ratio Lower Upper

64 100

66 28.8 26.6 40.0





#7

Trichlorofluoromethane

Concen: 5.502 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 20523

Ion Ratio Lower Upper

101 100

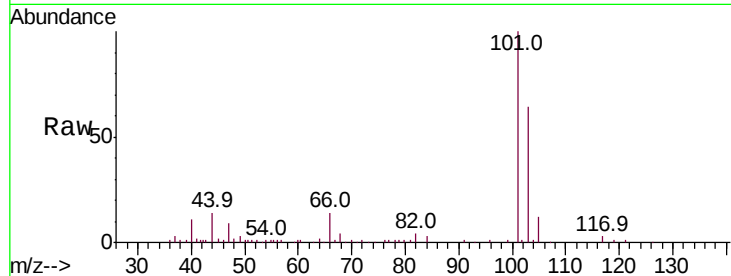
103 63.8 52.3 78.5

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

15000

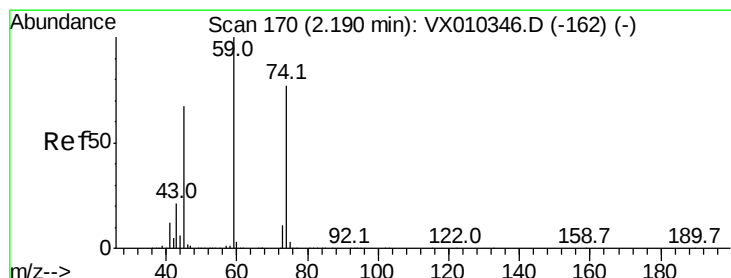
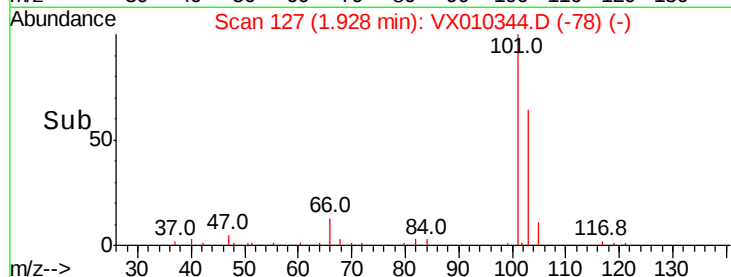
10000

5000

0

Time-->

1.85 1.90 1.95 2.00



#8

Diethyl Ether

Concen: 5.744 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX010344.D

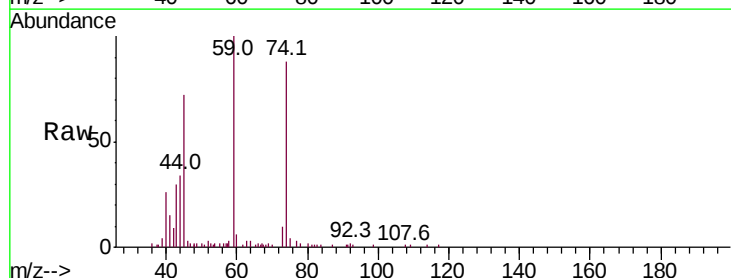
Acq: 19 Jun 2019 12:41

Tgt Ion: 74 Resp: 7486

Ion Ratio Lower Upper

74 100

45 87.1 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

6000

5000

4000

3000

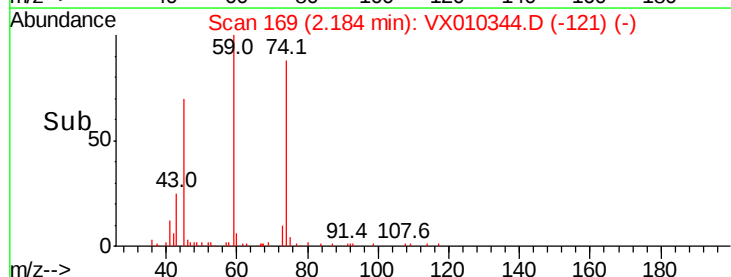
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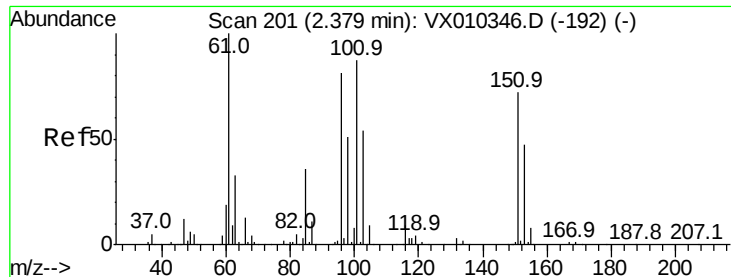
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0

Time-->

2.10 2.15 2.20 2.25 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.907 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010344.D

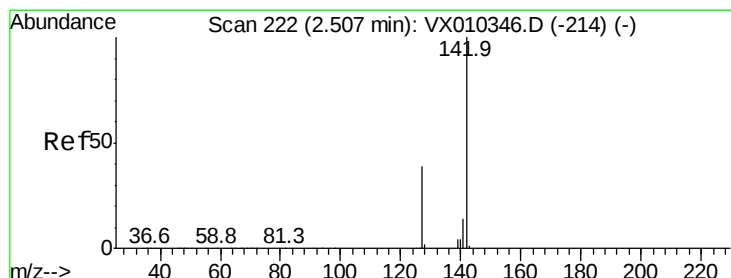
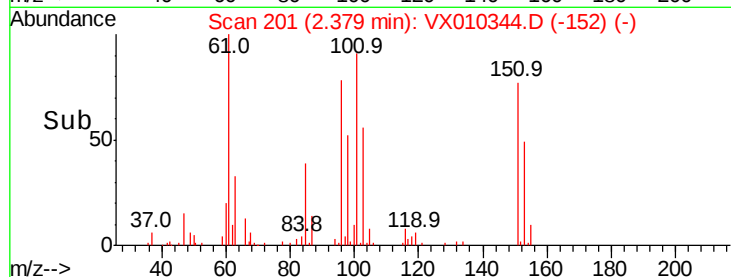
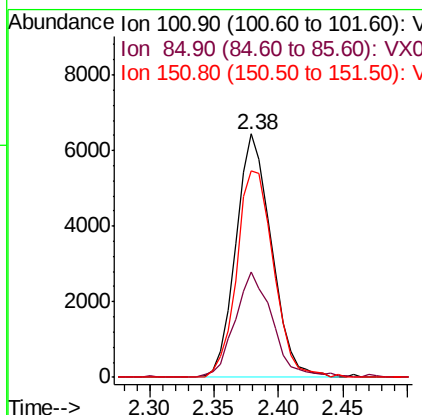
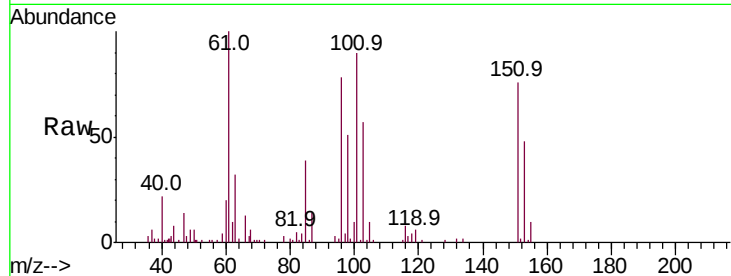
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.0	33.7	50.5
151	87.7	70.1	105.1

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#10

Methyl Iodide

Concen: 3.872 ug/l

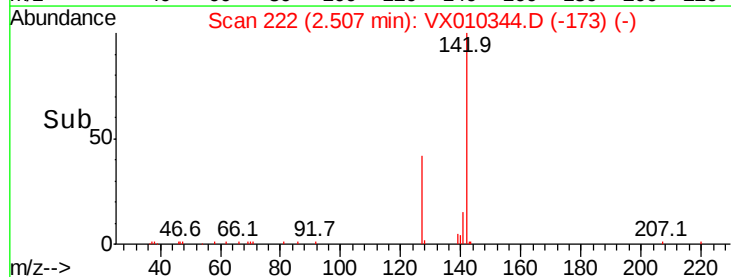
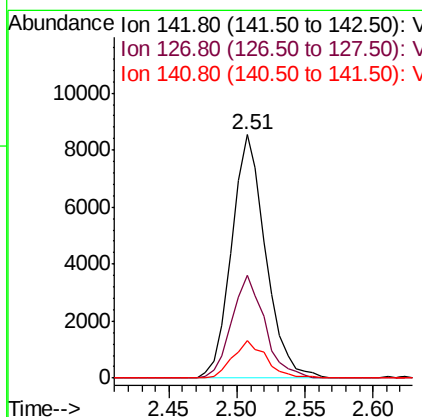
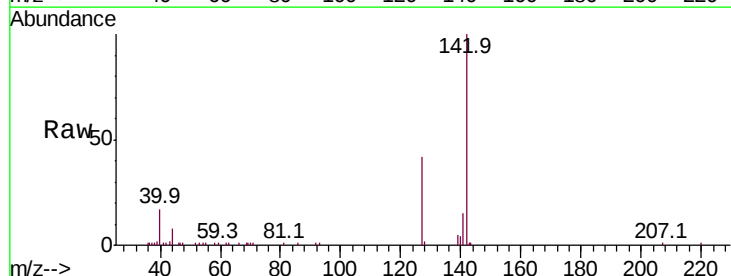
RT: 2.51 min Scan# 222

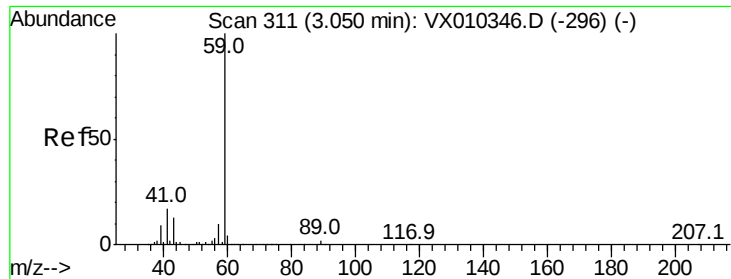
Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.9	31.1	46.7
141	15.1	11.2	16.8





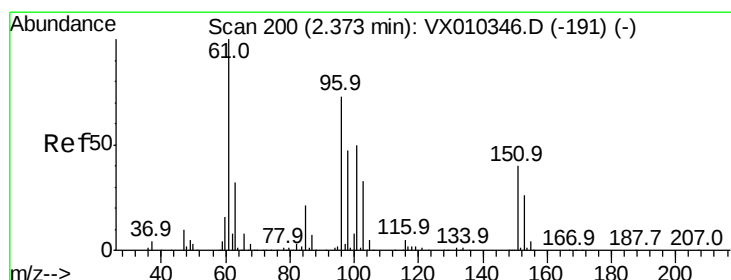
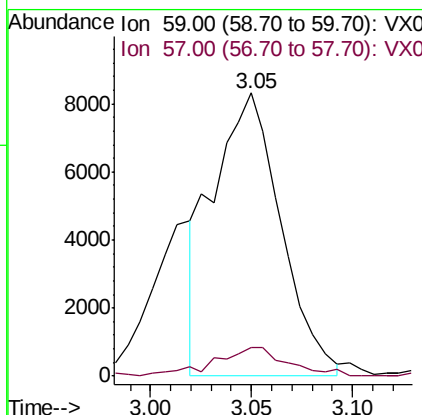
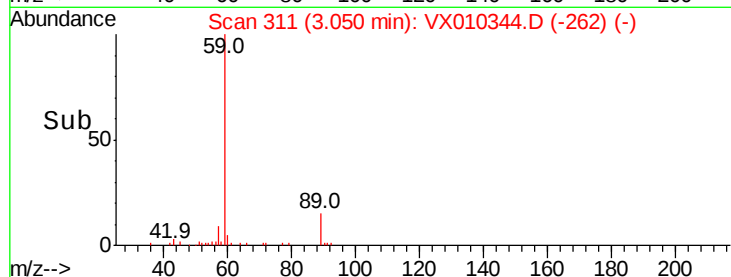
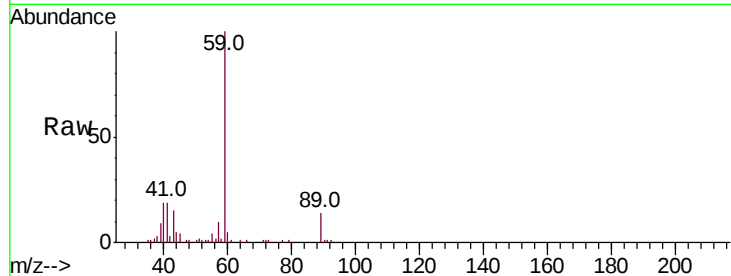
#11
Tert butyl alcohol
Concen: 28.432 ug/l m
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 19506
Ion Ratio Lower Upper
59 100
57 10.9 7.7 11.5

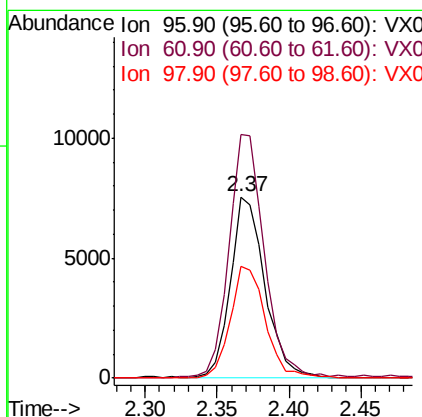
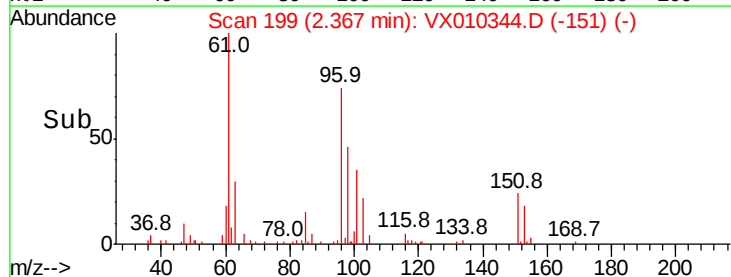
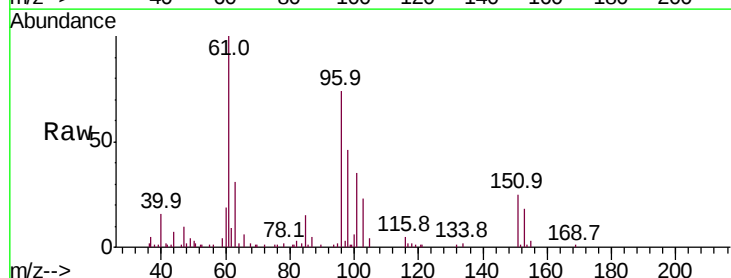
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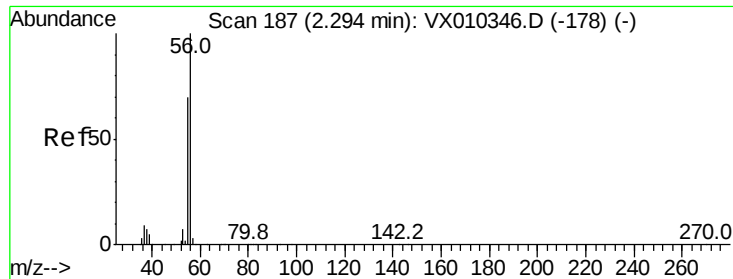
MMDadoda
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#12
1,1-Dichloroethene
Concen: 4.924 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion: 96 Resp: 12673
Ion Ratio Lower Upper
96 100
61 133.6 109.2 163.8
98 61.6 51.1 76.7





#13

Acrolein

Concen: 69.766 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 12975

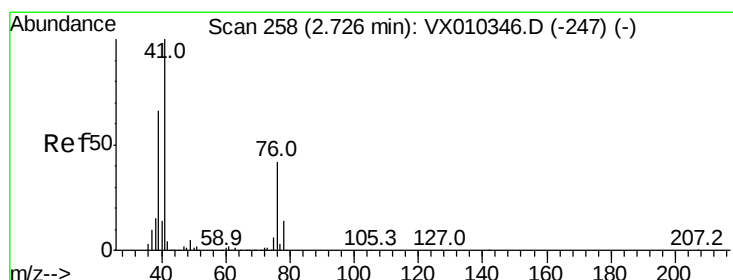
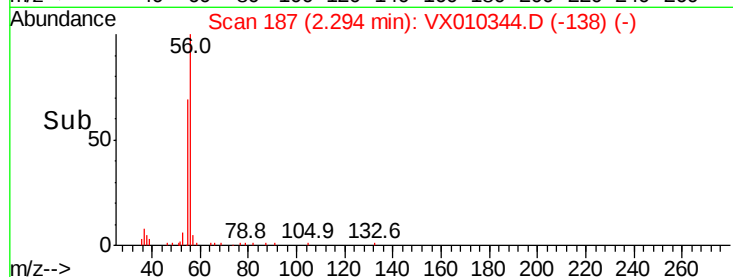
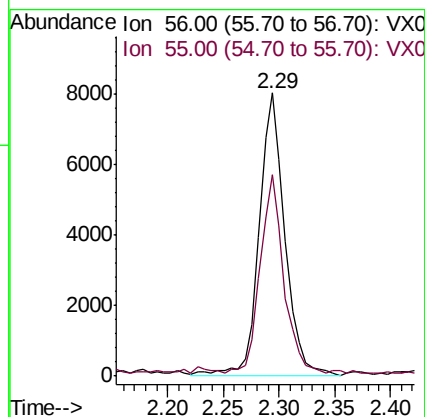
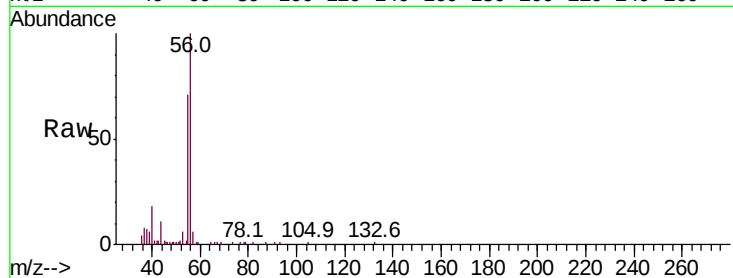
Ion Ratio Lower Upper

56 100

55 64.2 56.9 85.3

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#14

Allyl chloride

Concen: 4.556 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

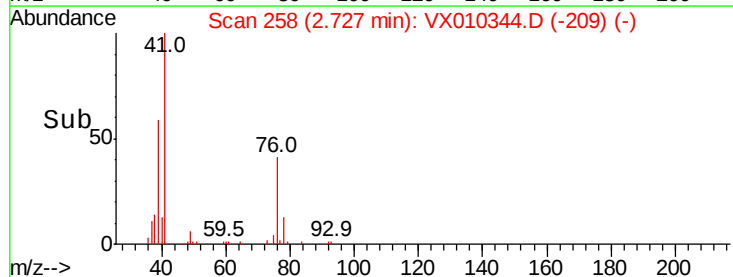
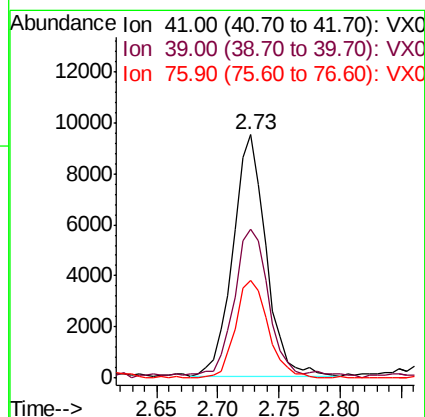
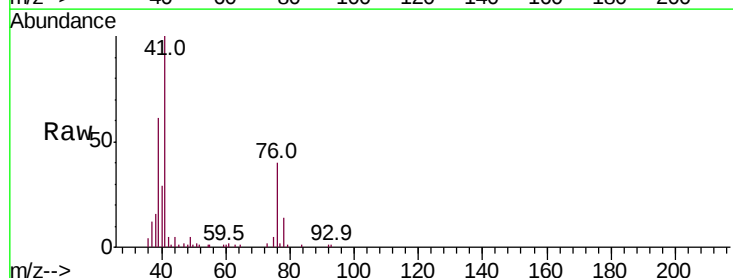
Tgt Ion: 41 Resp: 17609

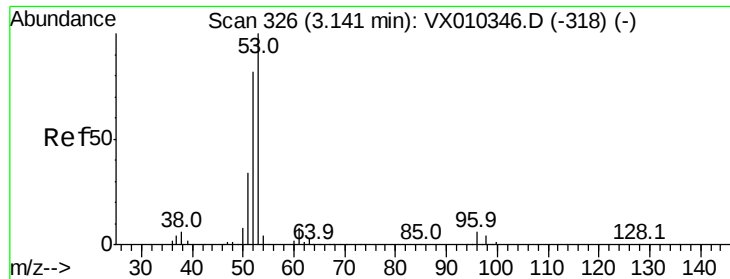
Ion Ratio Lower Upper

41 100

39 62.9 50.3 75.5

76 40.2 31.3 46.9





#15

Acrylonitrile

Concen: 25.407 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

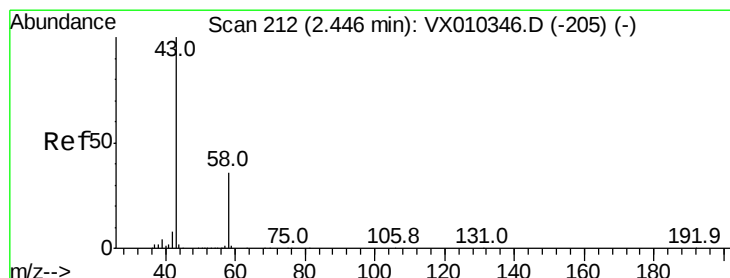
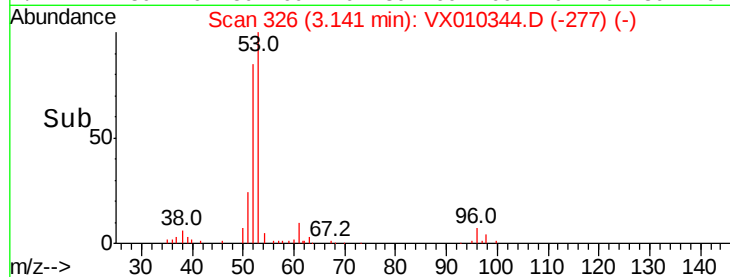
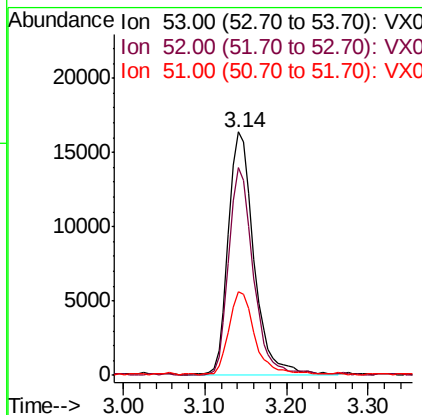
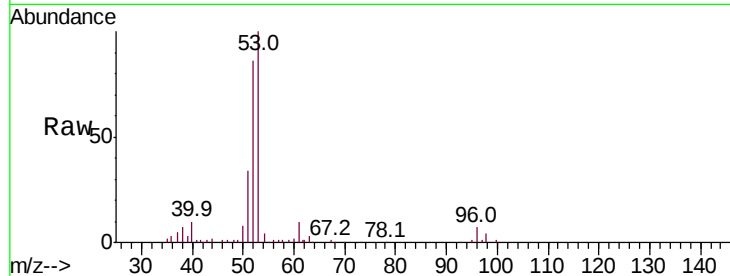
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	35771
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.5	98.3
51	34.0	28.2	42.4

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#16

Acetone

Concen: 23.128 ug/l

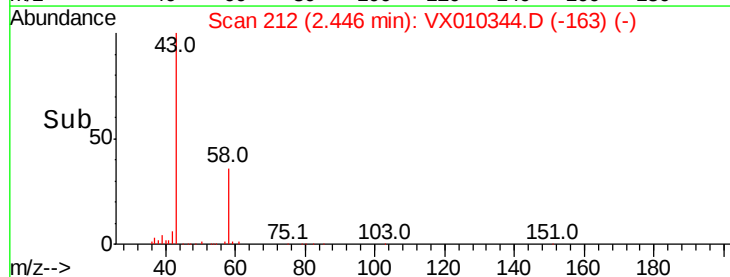
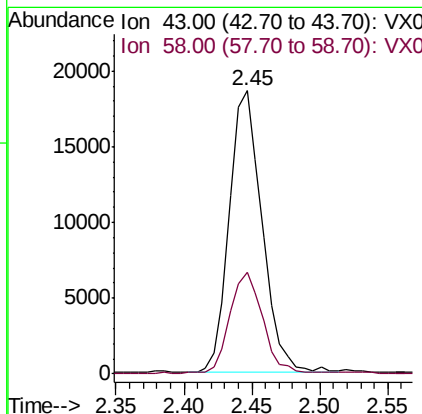
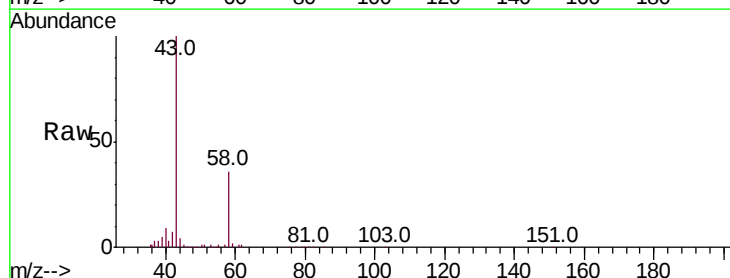
RT: 2.45 min Scan# 212

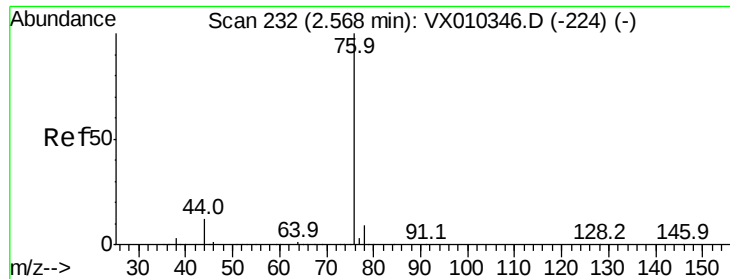
Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Tgt Ion:	43	Resp:	31089
Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.9	43.3





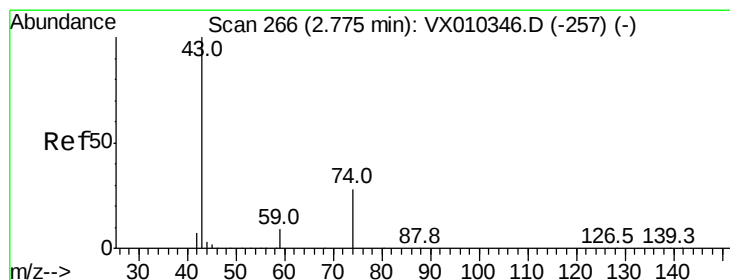
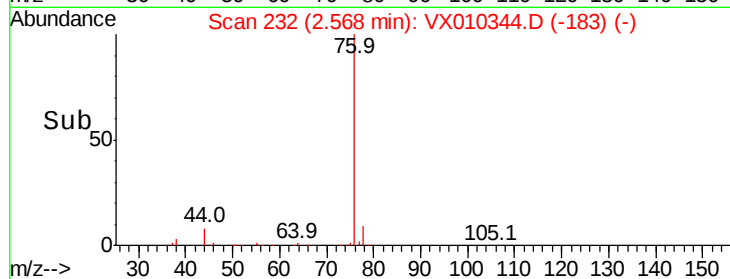
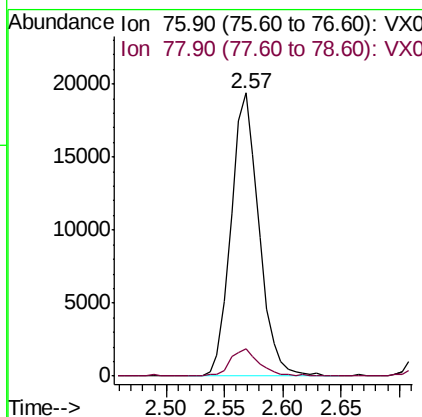
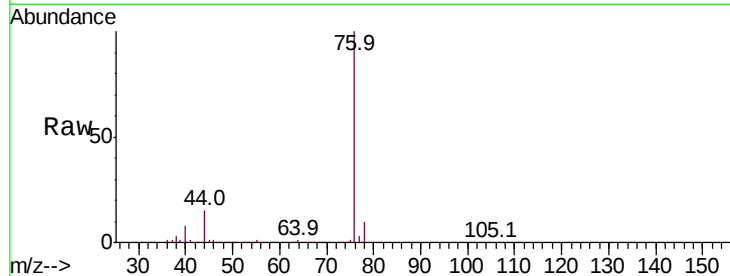
#17
Carbon Disulfide
Concen: 4.399 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

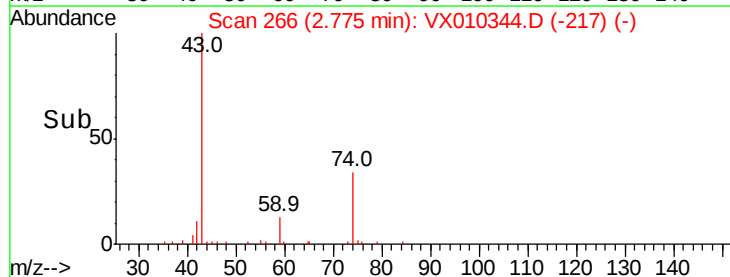
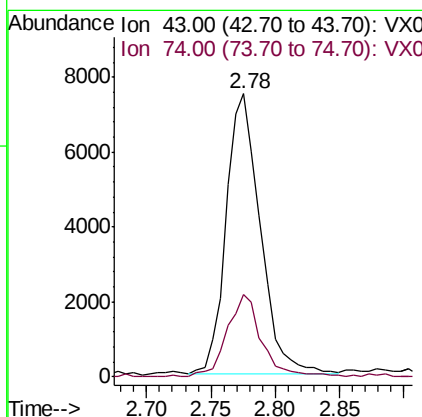
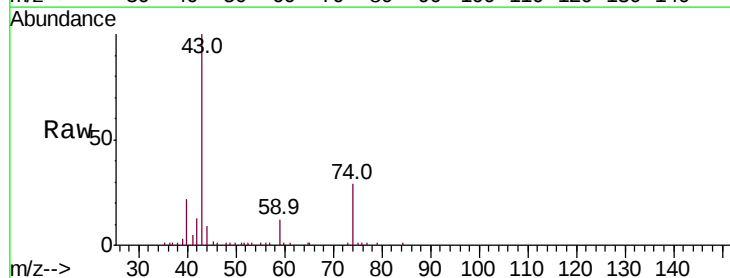
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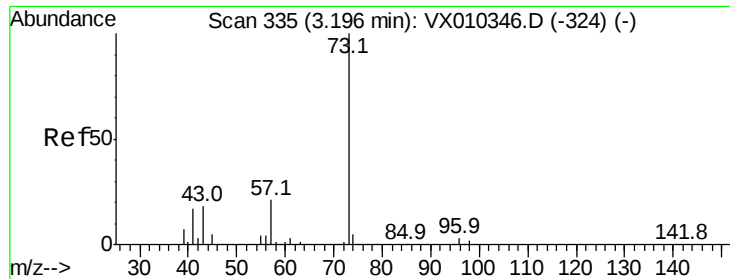
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#18
Methyl Acetate
Concen: 4.799 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.9	21.3	31.9





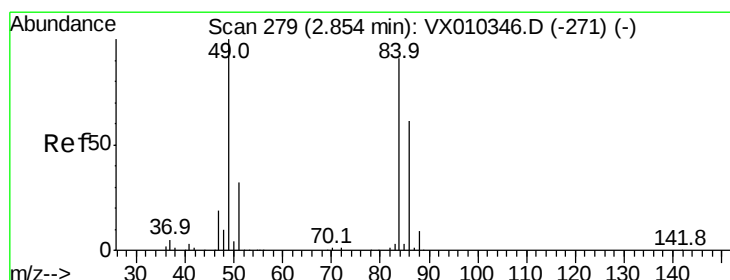
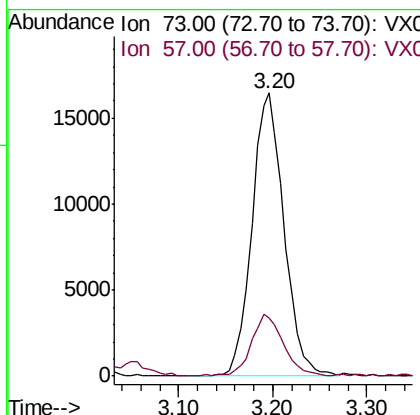
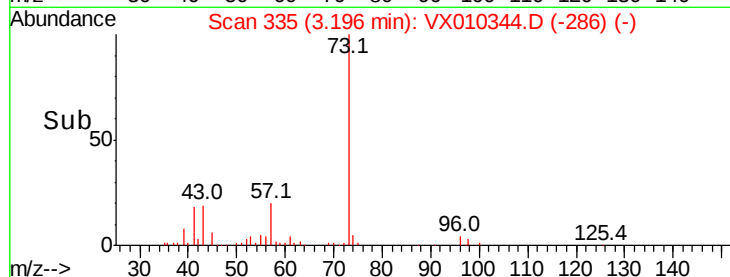
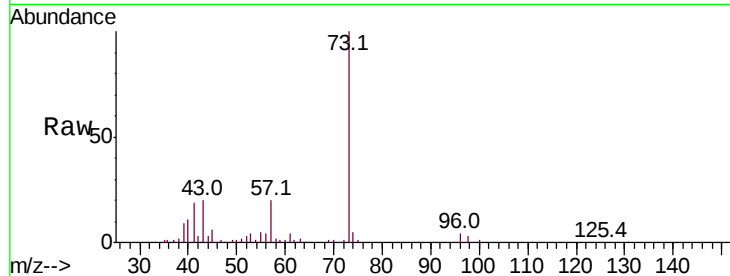
#19
Methyl tert-butyl Ether
Concen: 4.746 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 39159
Ion Ratio Lower Upper
73 100
57 20.4 16.4 24.6

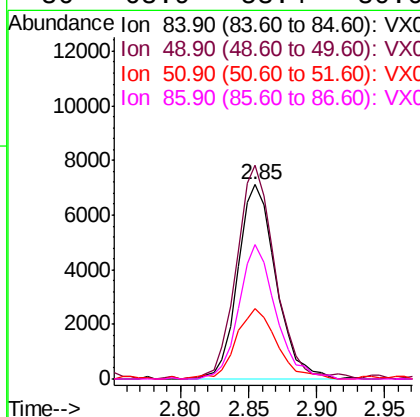
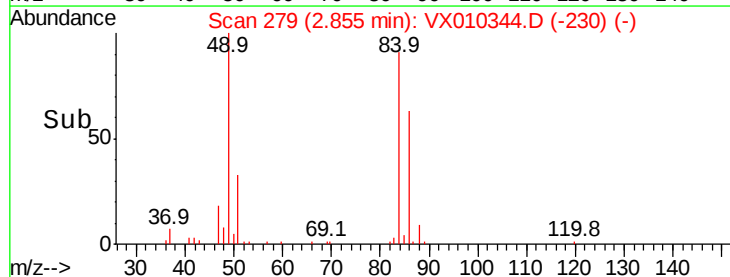
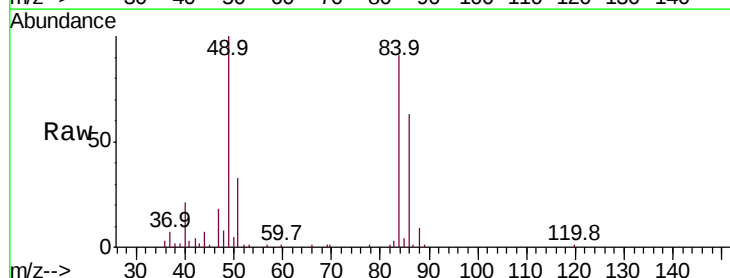
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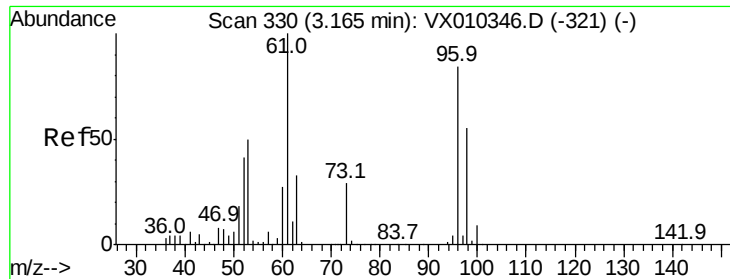
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#20
Methylene Chloride
Concen: 4.823 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion: 84 Resp: 13950
Ion Ratio Lower Upper
84 100
49 108.9 87.5 131.3
51 36.5 27.7 41.5
86 68.9 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 4.655 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 13235

Ion Ratio Lower Upper

96 100

61 117.1 95.6 143.4

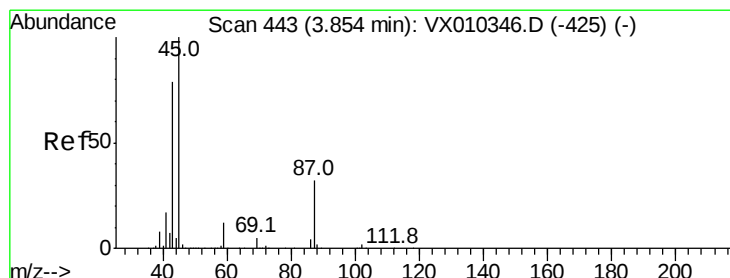
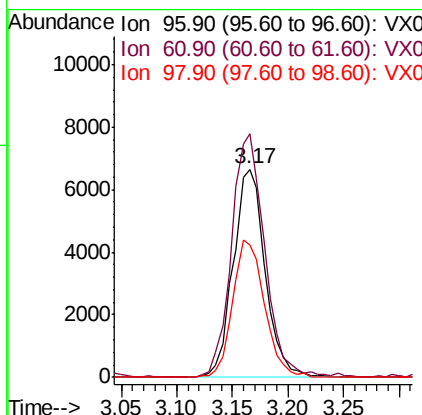
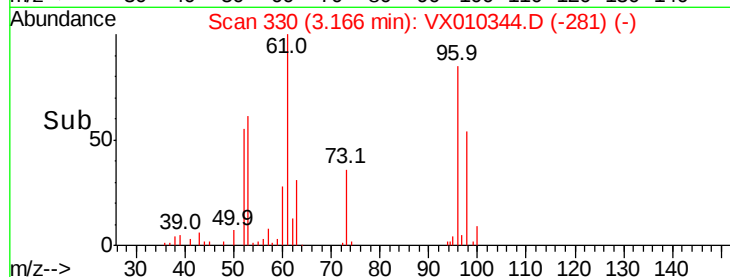
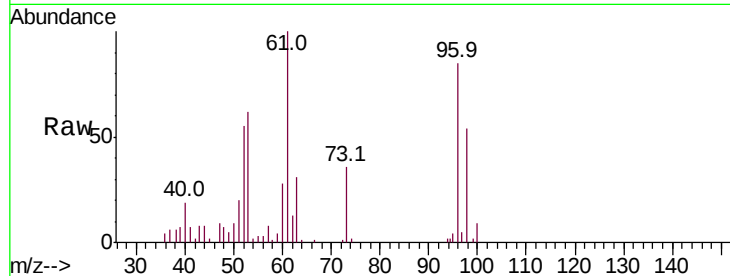
98 63.4 52.5 78.7

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#22

Diisopropyl ether

Concen: 4.887 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Tgt Ion: 45 Resp: 36345

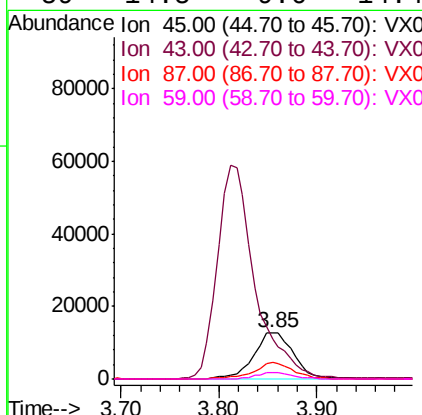
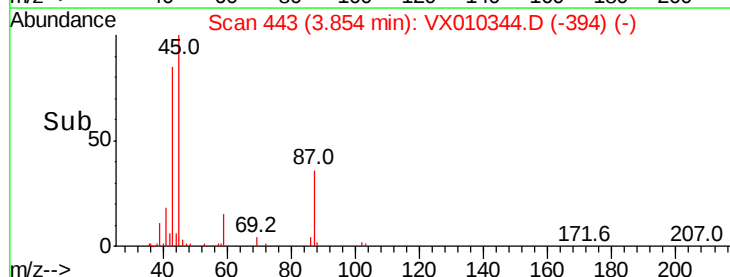
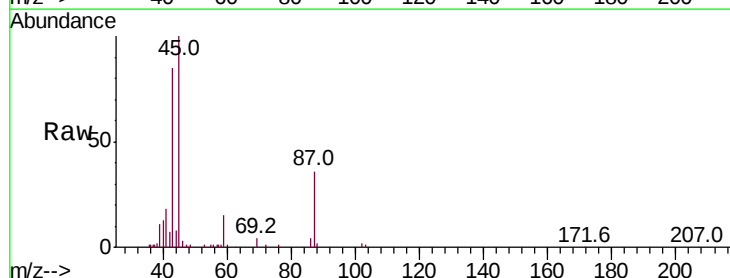
Ion Ratio Lower Upper

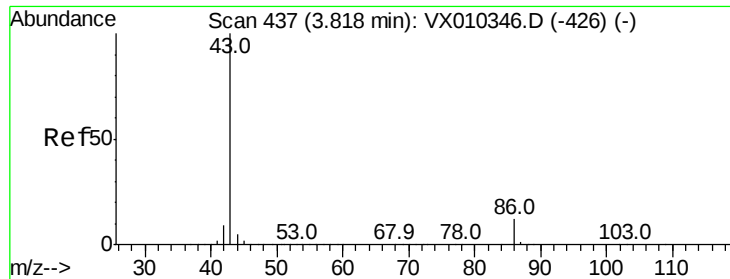
45 100

43 83.8 63.3 94.9

87 36.2 25.8 38.8

59 14.5 9.6 14.4#





#23

Vinyl Acetate

Concen: 23.727 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 157450

Ion Ratio Lower Upper

43 100

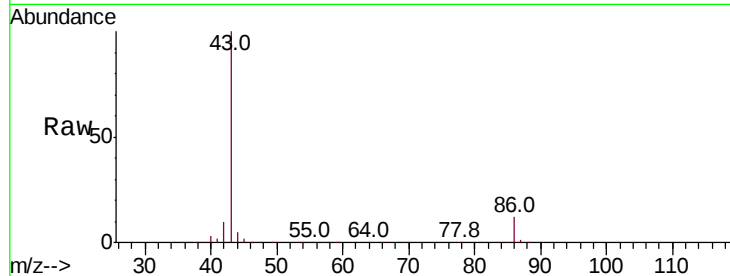
86 11.5 9.9 14.9

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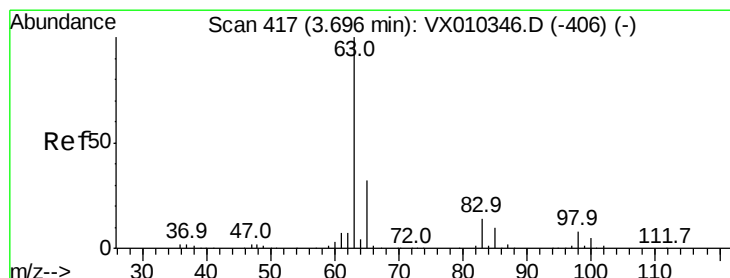
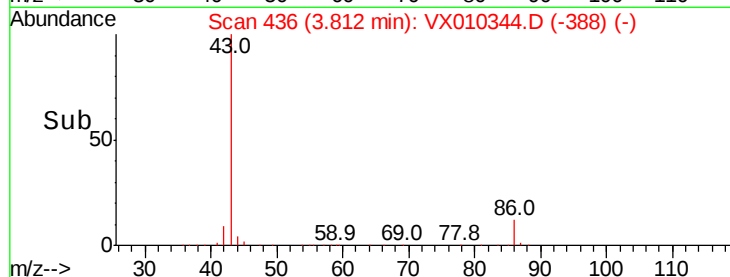
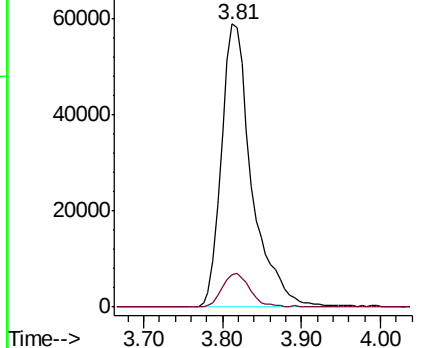
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 4.801 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

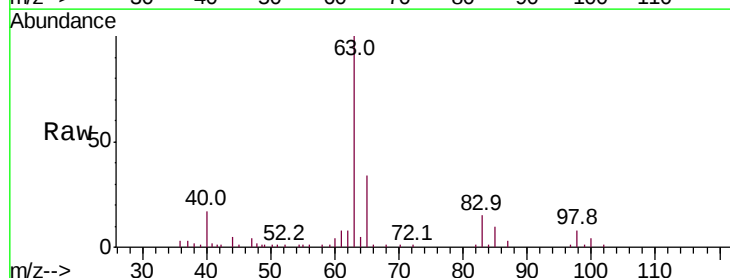
Tgt Ion: 63 Resp: 21650

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

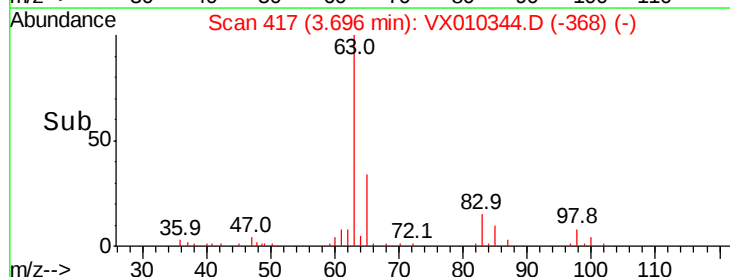
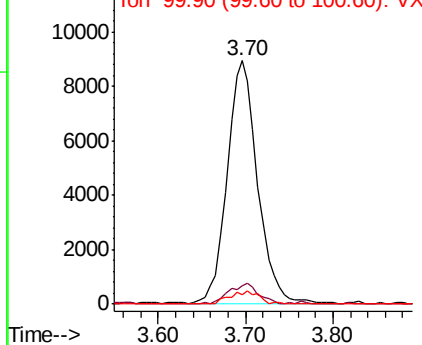
100 3.7 2.4 7.1

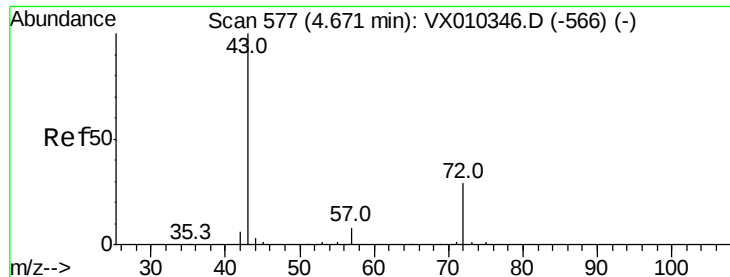


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 24.220 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 47950

Ion Ratio Lower Upper

43 100

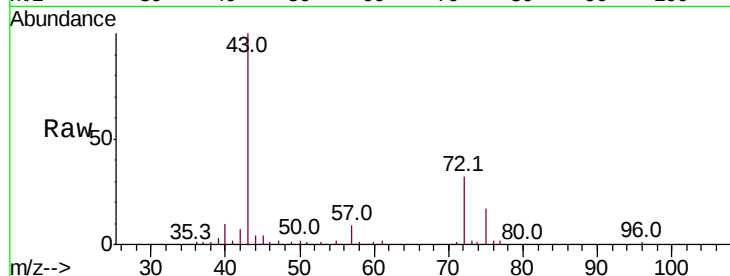
72 31.3 23.3 34.9

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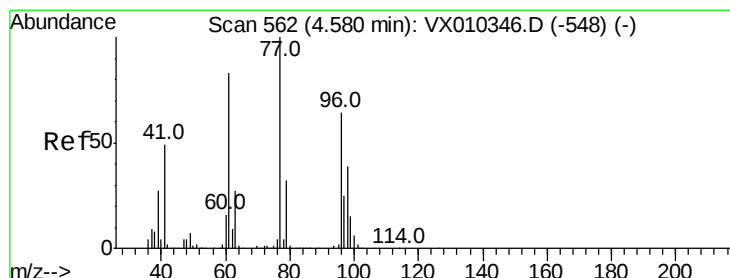
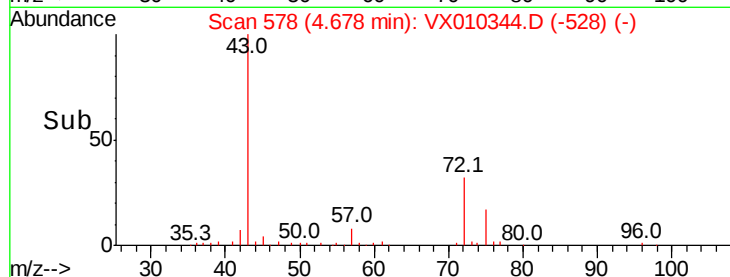
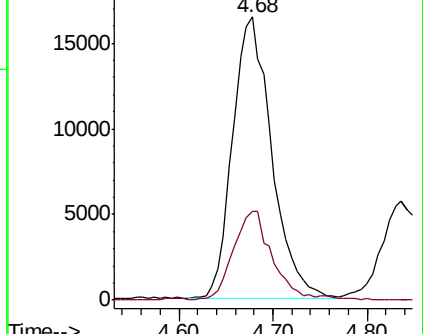
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 4.474 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010344.D

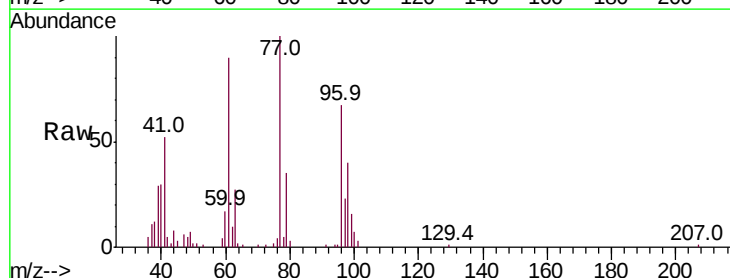
Acq: 19 Jun 2019 12:41

Tgt Ion: 77 Resp: 18210

Ion Ratio Lower Upper

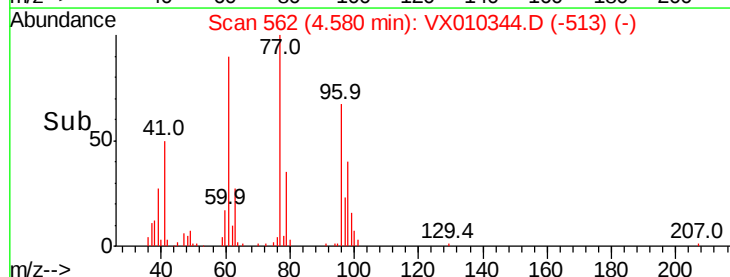
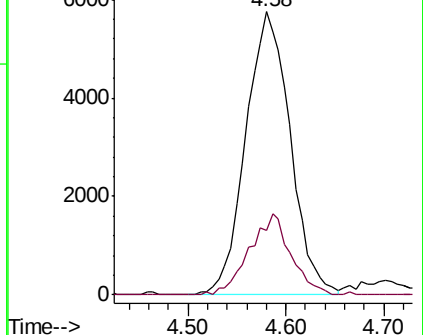
77 100

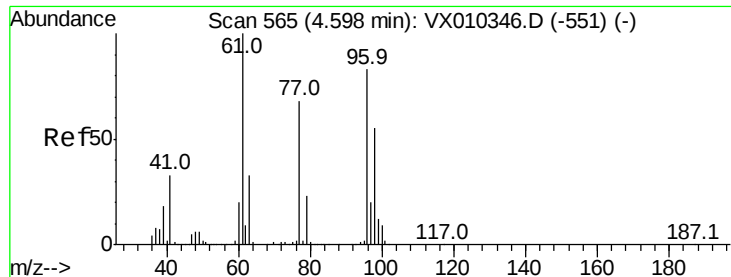
97 26.5 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





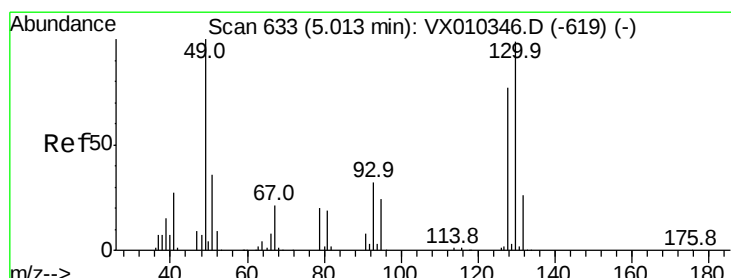
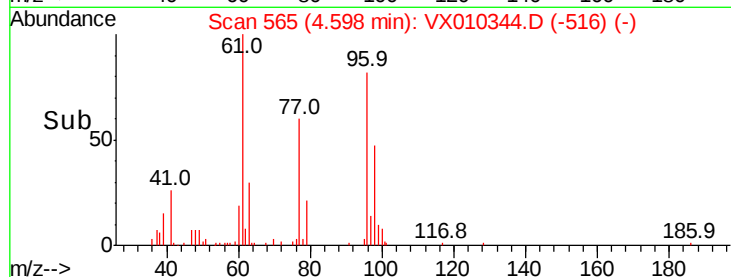
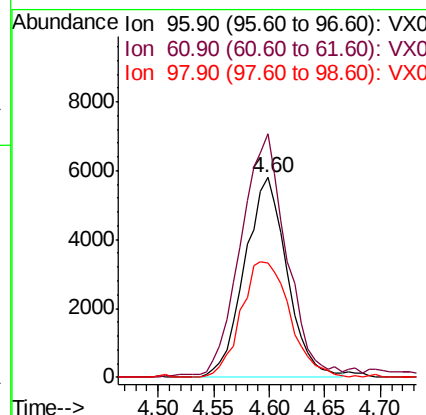
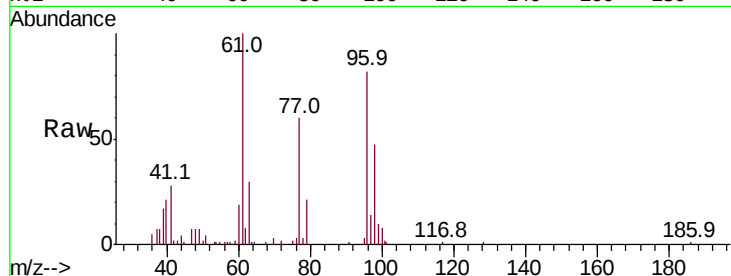
#27
 cis-1,2-Dichloroethene
 Concen: 4.858 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.4	0.0	251.8
98	66.2	0.0	129.4

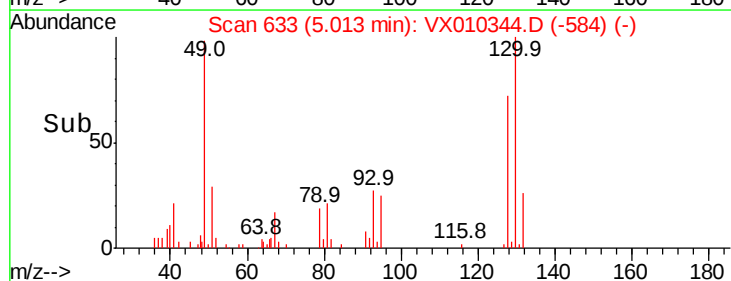
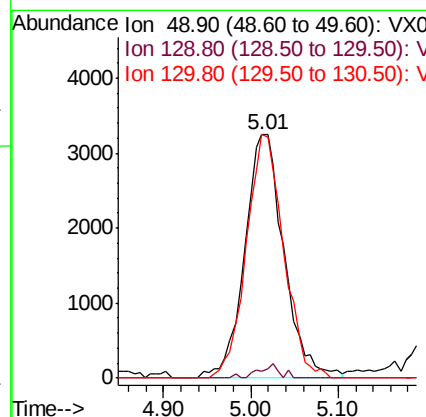
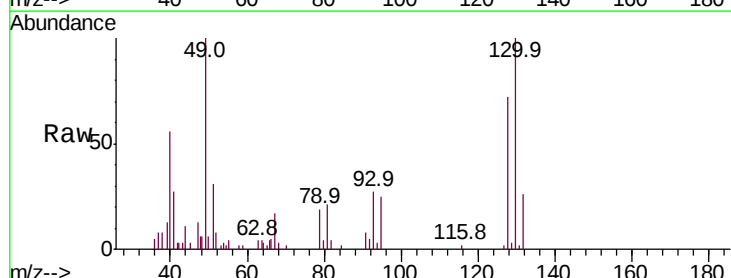
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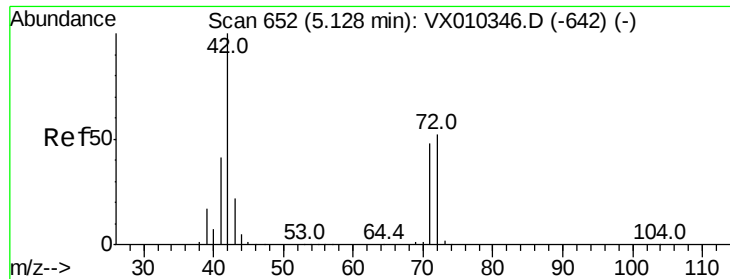
MMDadoda
 6/20/2019 1:23:19 PM



#28
 Bromochloromethane
 Concen: 4.982 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	94.5	81.4	122.0





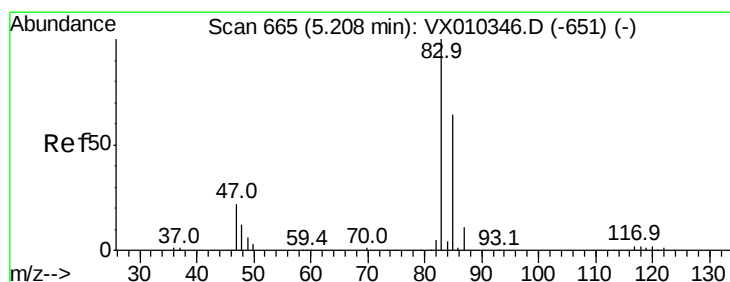
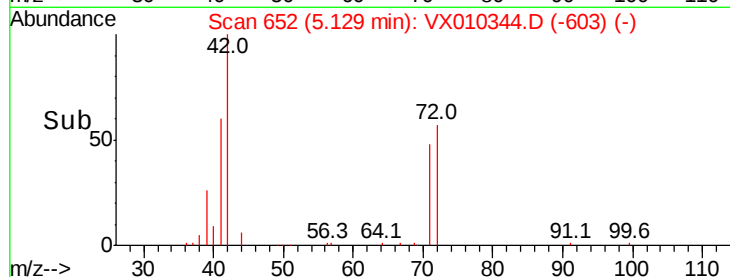
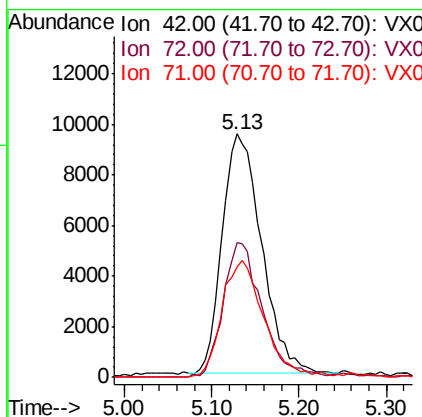
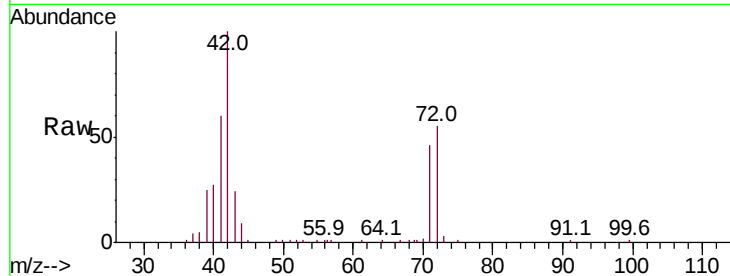
#29
Tetrahydrofuran
Concen: 24.039 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.5	40.6	60.8
71	51.3	37.8	56.8

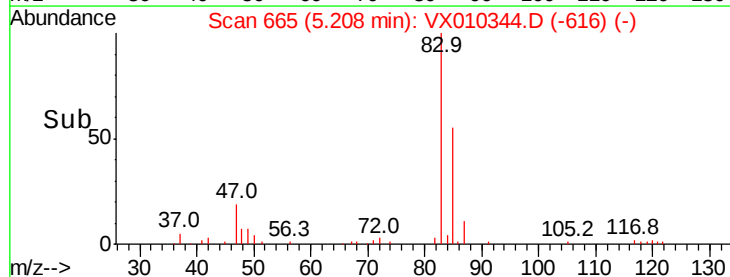
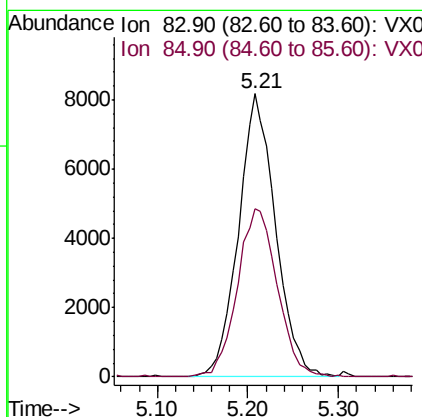
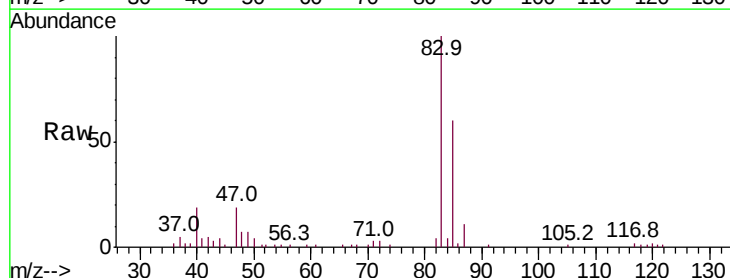
Manual Integrations
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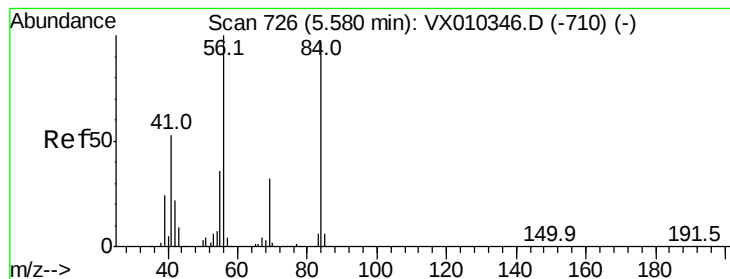
MMDadoda
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#30
Chloroform
Concen: 4.940 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.9	76.3





#31

Cyclohexane

Concen: 4.907 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

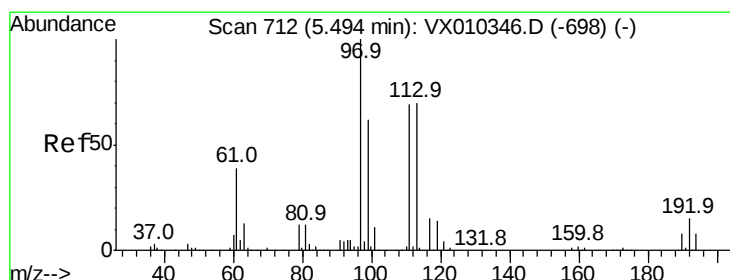
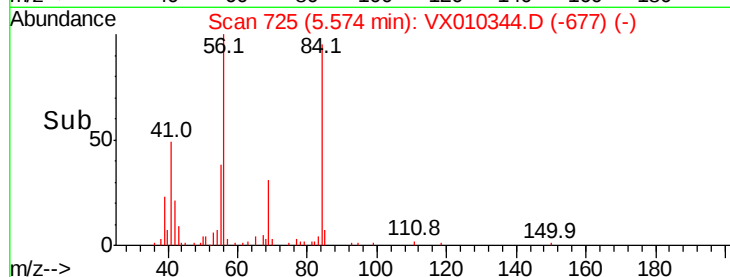
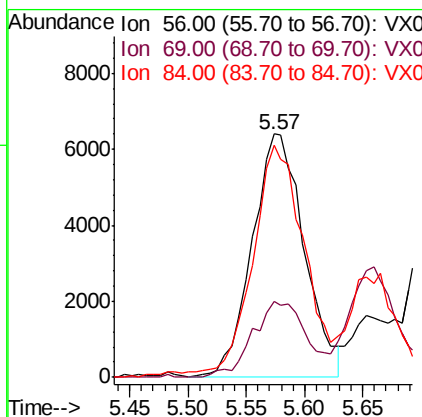
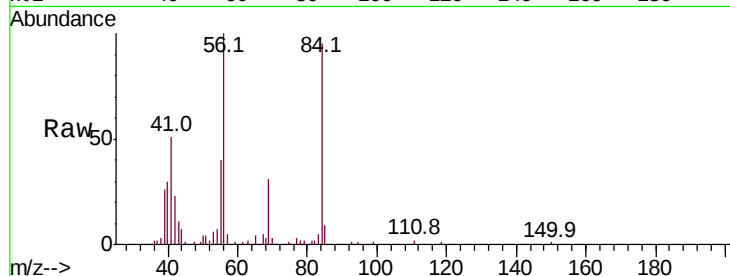
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	19850
Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.9	38.9
84	92.7	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.493 ug/l

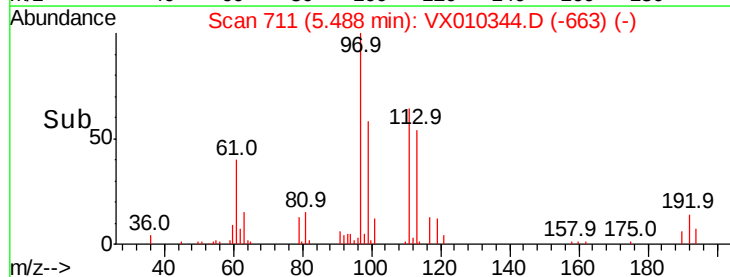
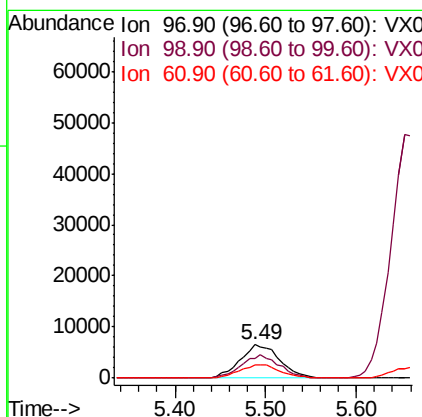
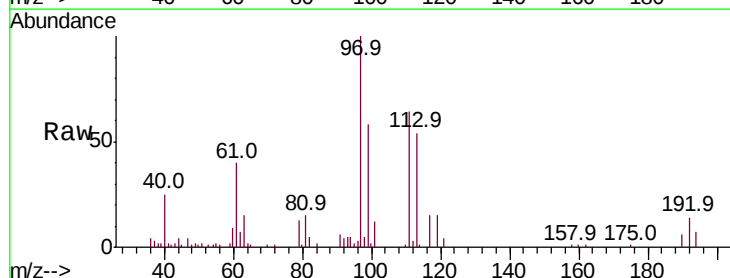
RT: 5.49 min Scan# 711

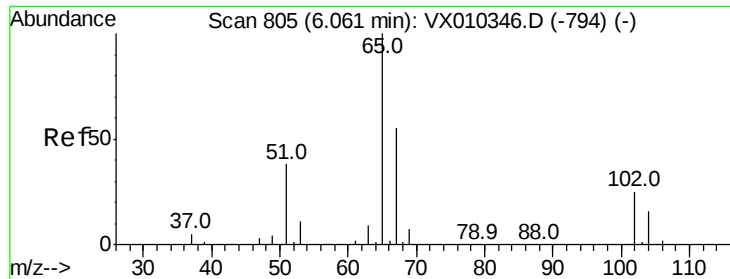
Delta R.T. -0.01 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Tgt Ion:	97	Resp:	19755
Ion	Ratio	Lower	Upper
97	100		
99	68.2	51.8	77.8
61	42.3	32.1	48.1





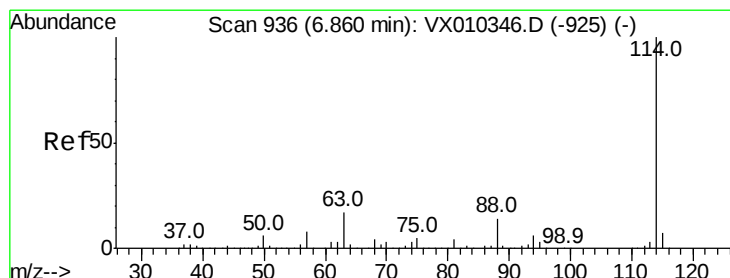
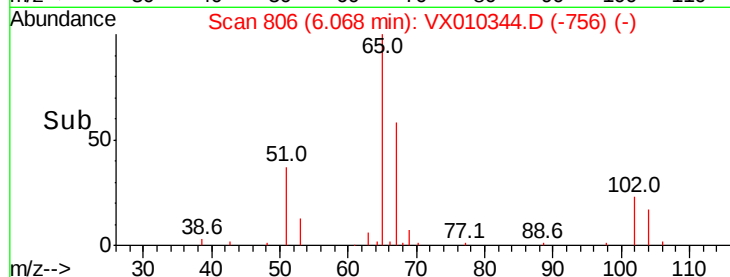
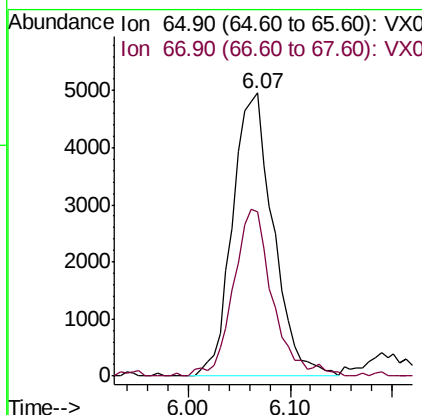
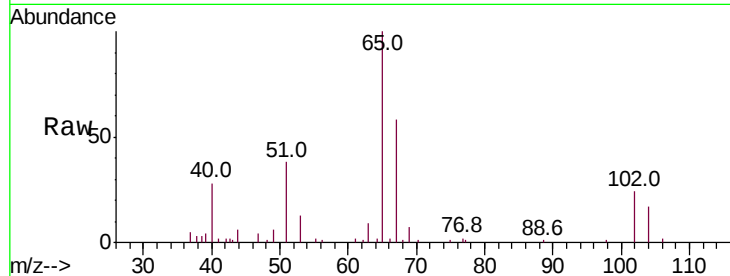
#33
 1,2-Dichloroethane-d4
 Concen: 4.893 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 13719
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.2

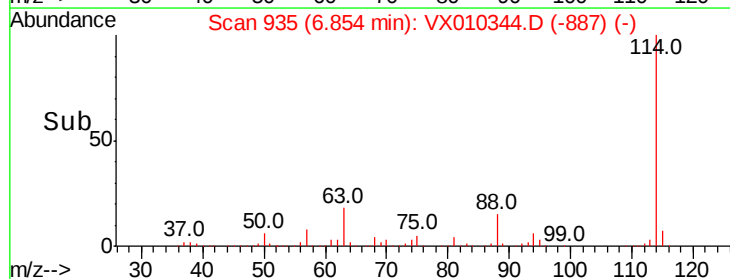
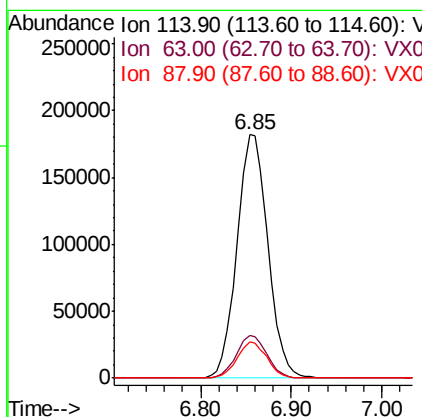
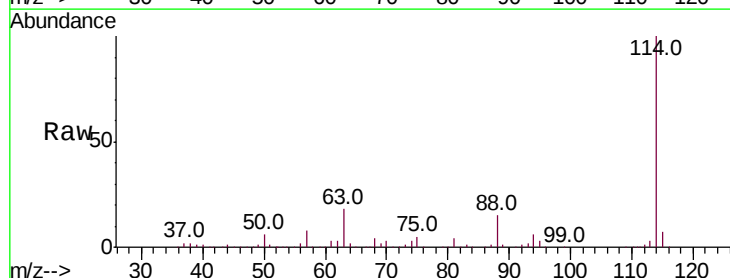
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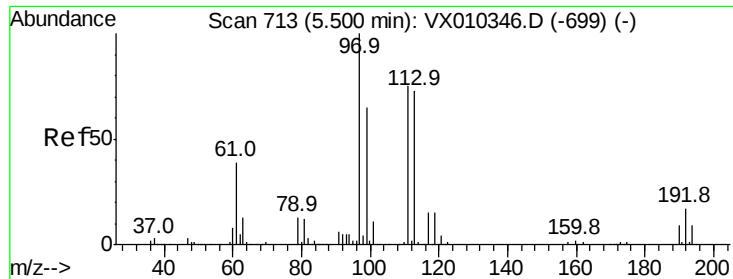
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Tgt Ion: 114 Resp: 430936
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 33.8
 88 14.8 0.0 27.6





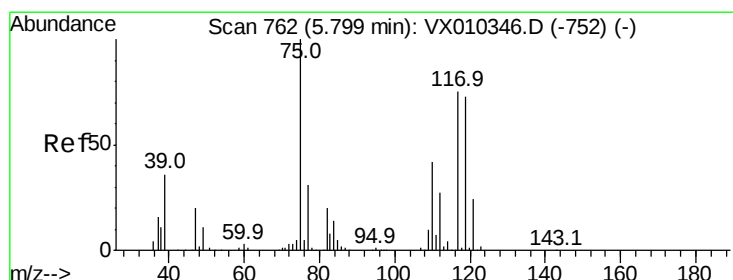
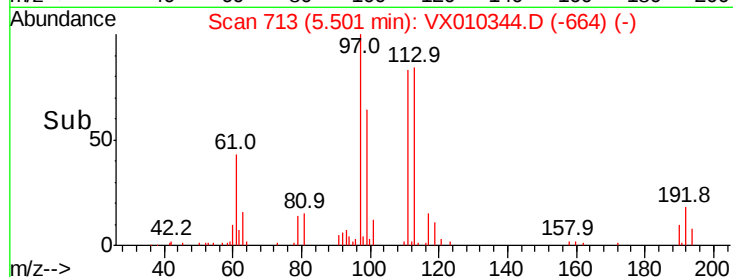
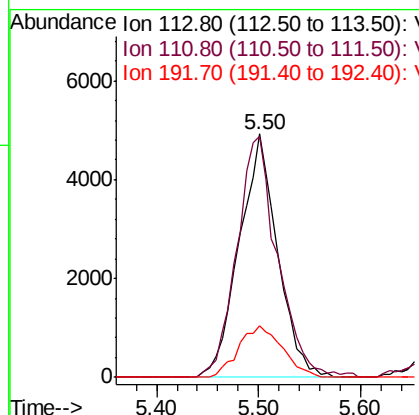
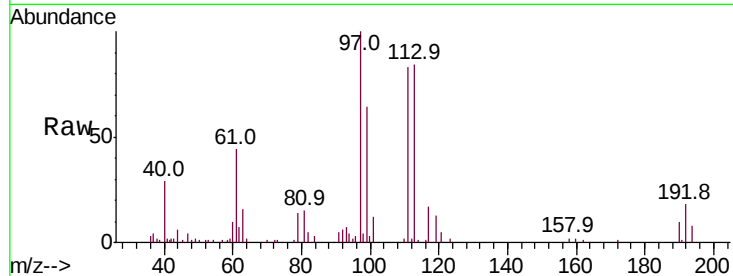
#35
 Dibromofluoromethane
 Concen: 4.800 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.2	121.8
192	24.1	18.6	27.8

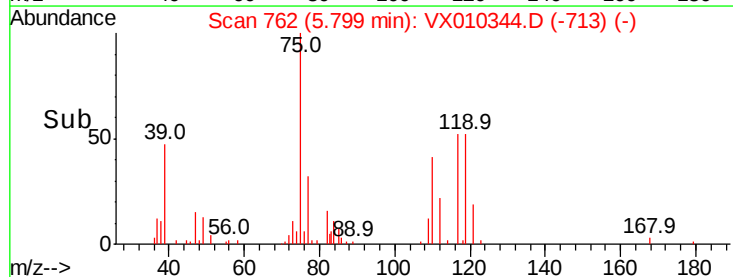
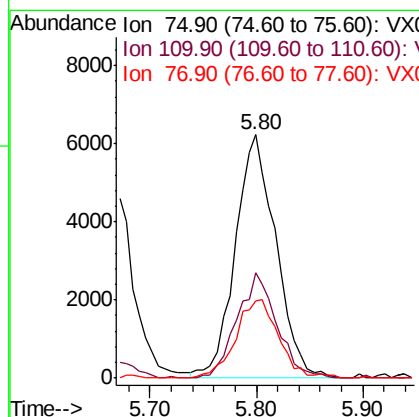
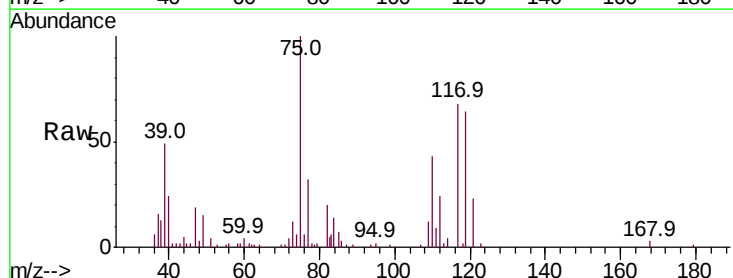
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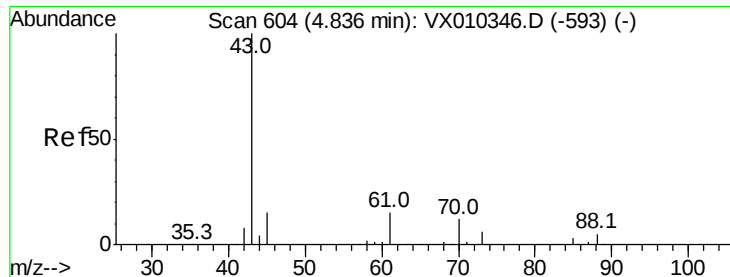
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#36
 1,1-Dichloropropene
 Concen: 4.767 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	42.1	20.8	62.2
77	33.6	25.4	38.0





#37

Ethyl Acetate

Concen: 4.716 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

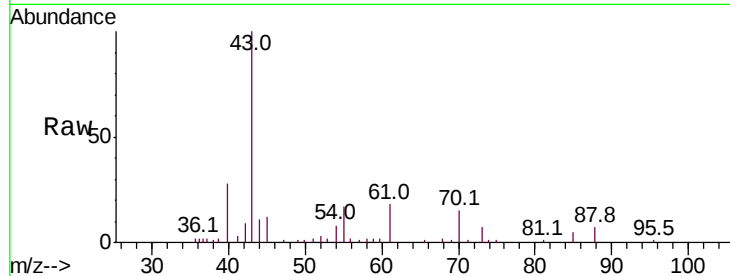
ClientSampleId :

VSTDIC005

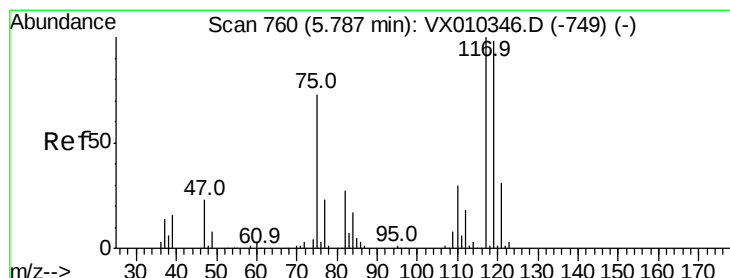
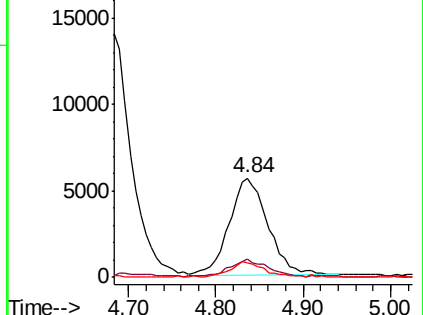
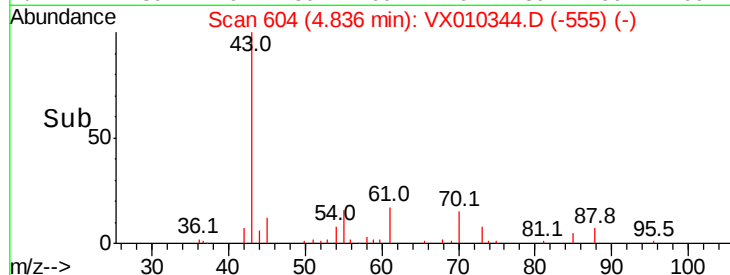
Tot Ion:	43	Resp:	17310
Ion	Ratio	Lower	Upper
43	100		
61	18.4	12.4	18.6
70	14.4	9.8	14.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX010344.D (-555) (-)



#38

Carbon Tetrachloride

Concen: 4.390 ug/l

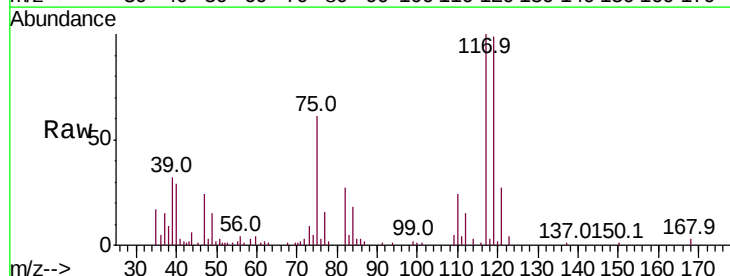
RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

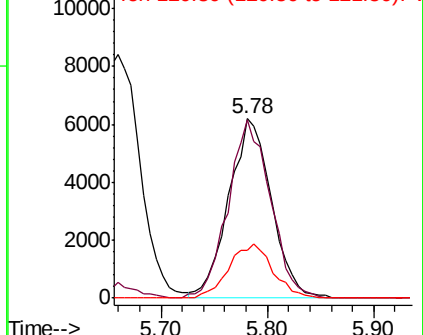
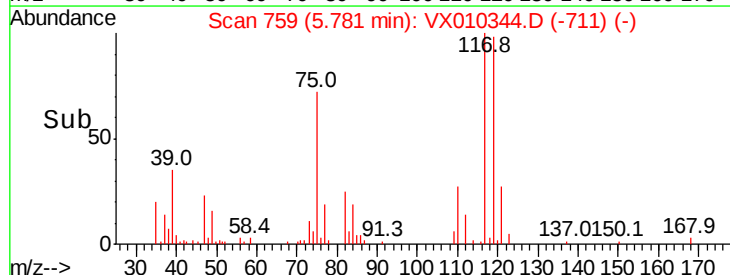
Lab File: VX010344.D

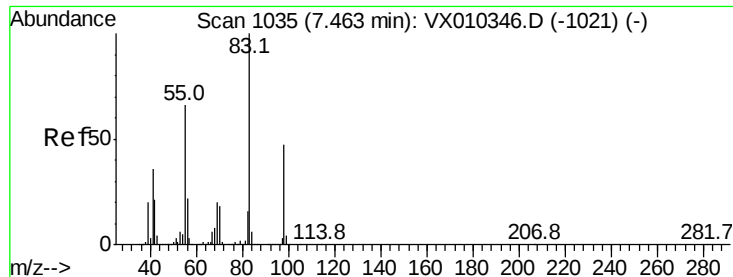
Acq: 19 Jun 2019 12:41

Tgt Ion:	117	Resp:	17413
Ion	Ratio	Lower	Upper
117	100		
119	99.3	78.2	117.4
121	26.9	24.7	37.1



Abundance Ion 116.80 (116.50 to 117.50): VX010344.D (-711) (-)





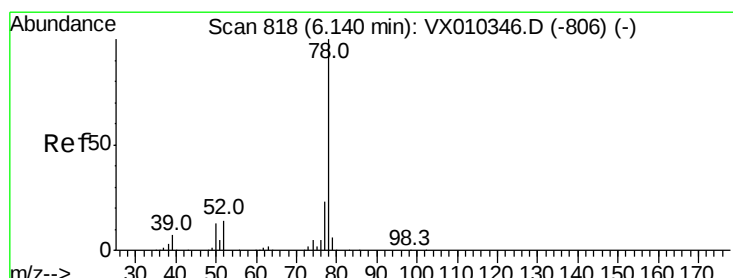
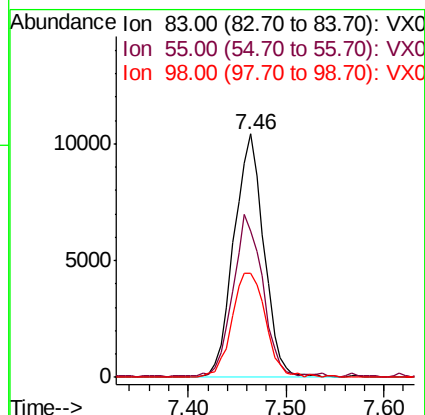
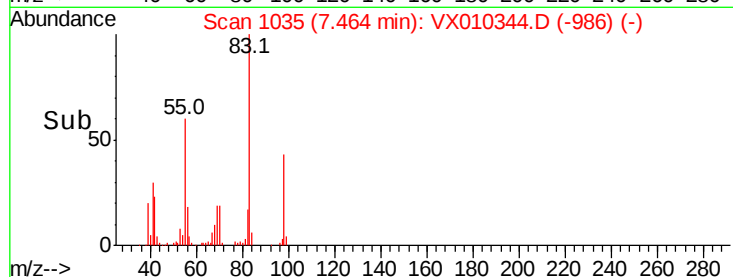
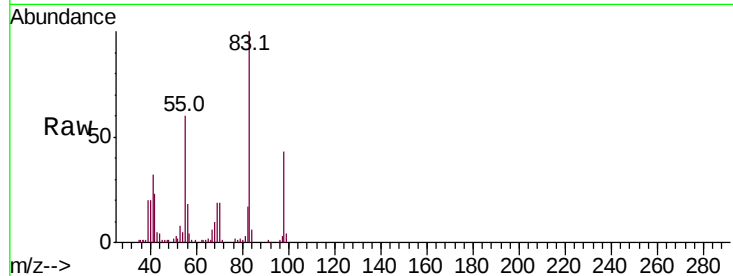
#39
Methvlcvclohexane
Concen: 4.637 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	59.9	53.0	79.6
98	42.5	37.8	56.8

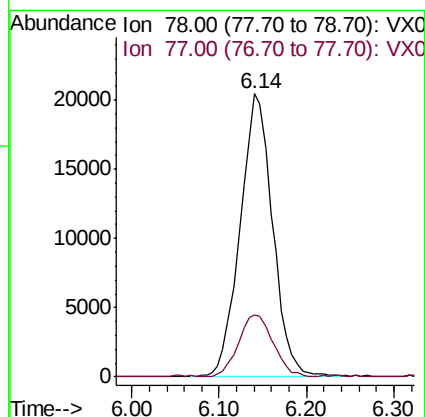
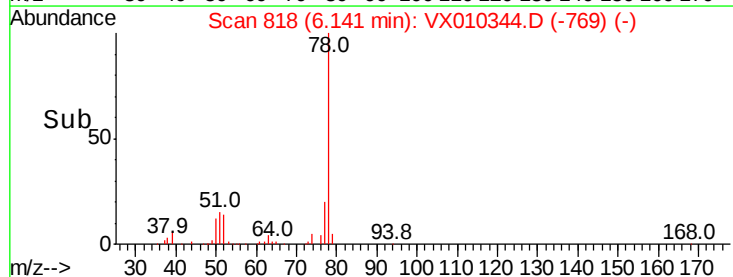
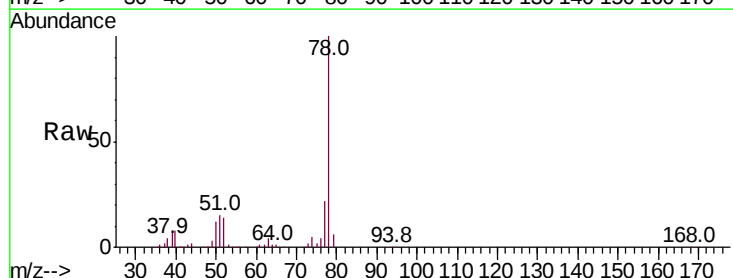
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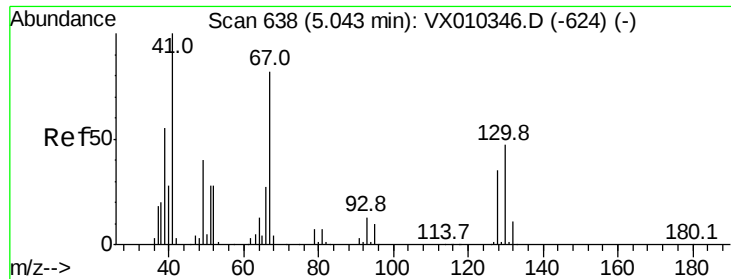
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#40
Benzene
Concen: 4.850 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.6	28.0





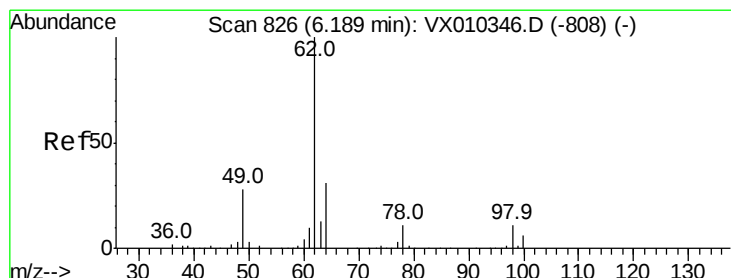
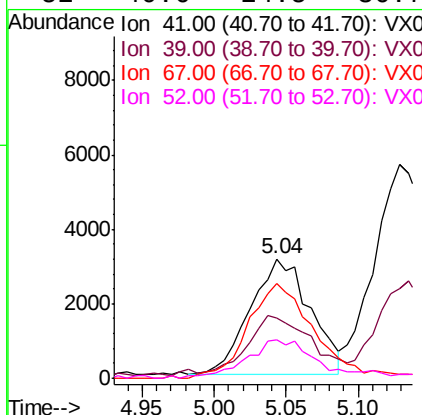
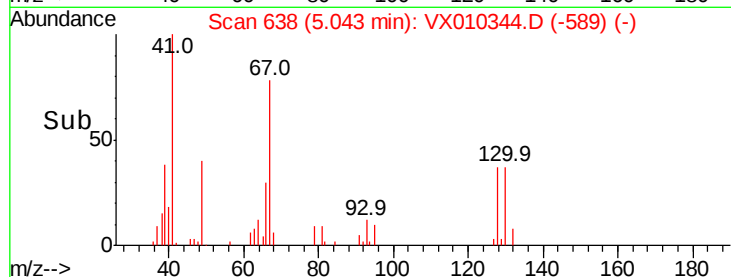
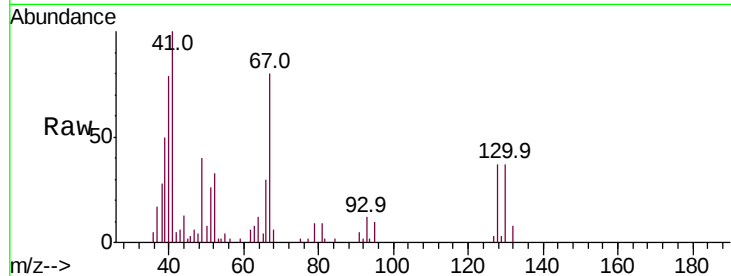
#41
Methacrylonitrile
Concen: 4.527 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.7	43.8	65.8
67	91.8	66.6	100.0
52	40.6	24.5	36.7

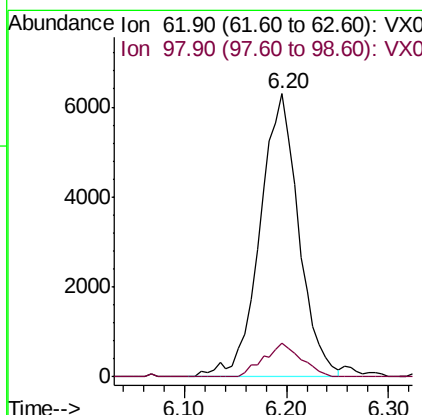
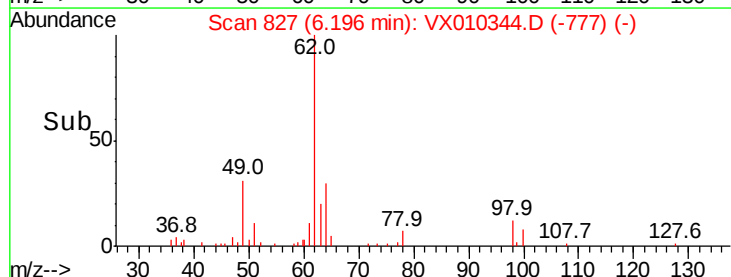
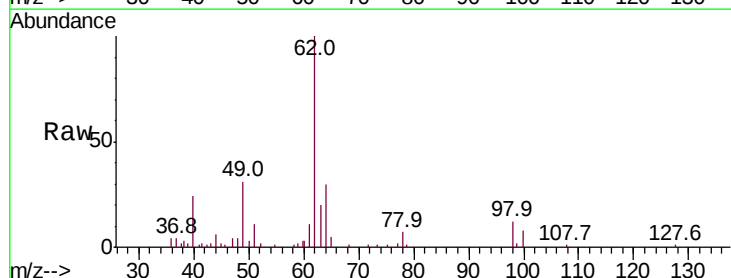
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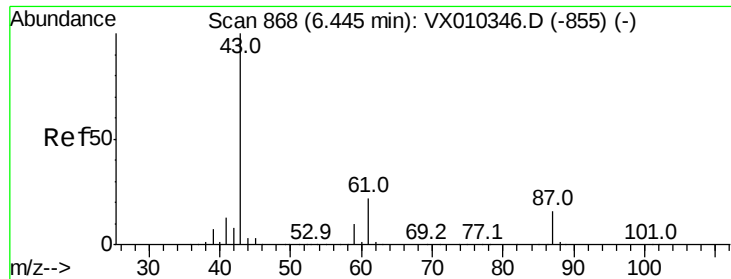
MMDadoda
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#42
1,2-Dichloroethane
Concen: 4.809 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	22.2





#43

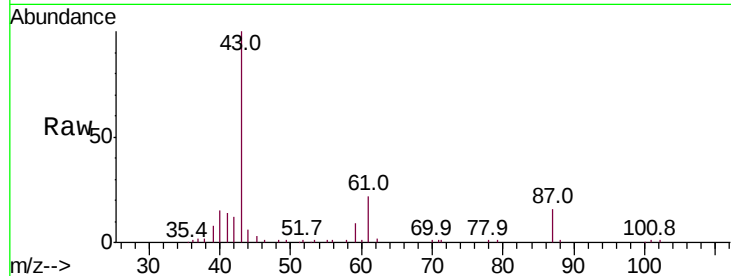
Isopropyl Acetate
 Concen: 4.688 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

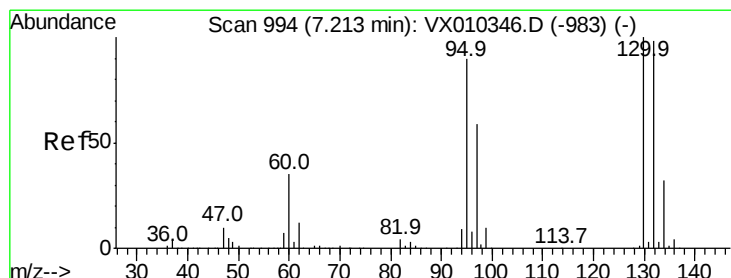
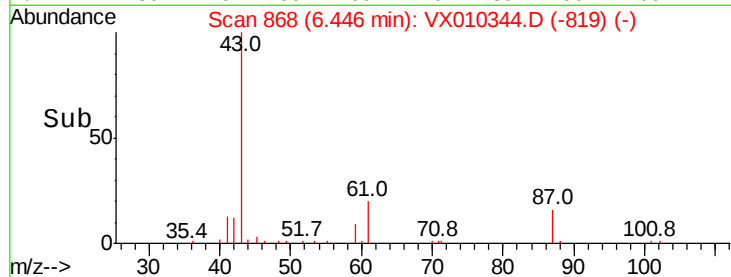
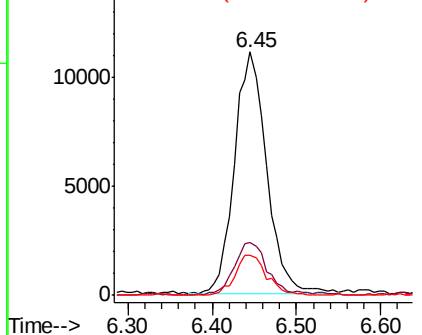
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.8	17.8	26.6
87	16.3	13.0	19.4

Manual Integrations
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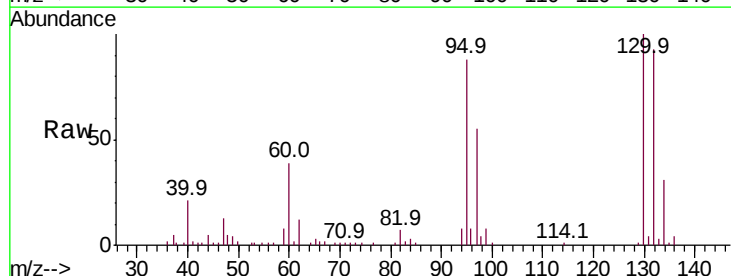
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



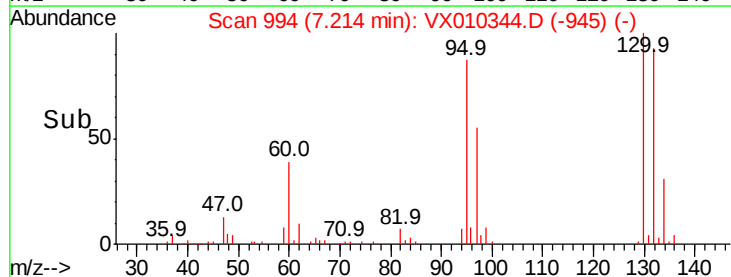
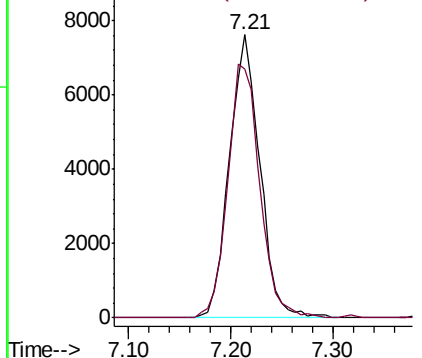
#44

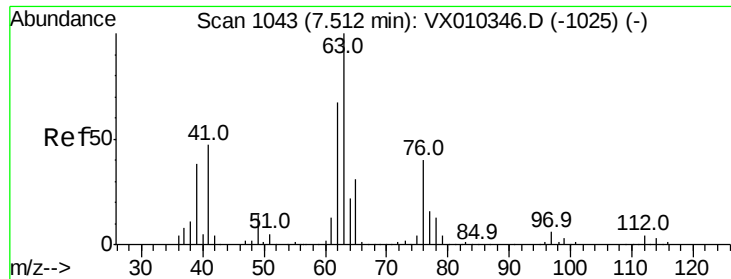
Trichloroethene
 Concen: 4.791 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	180.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 4.845 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 13196

Ion Ratio Lower Upper

63 100

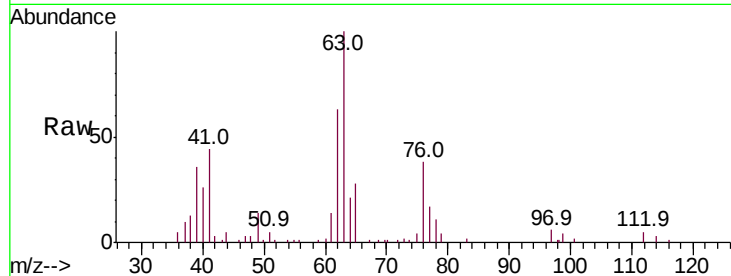
65 27.7 24.8 37.2

Manual Integrations

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6/20/2019 1:23:19 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

8000

6000

4000

2000

0

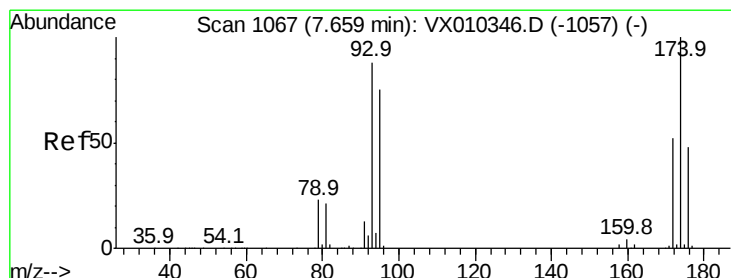
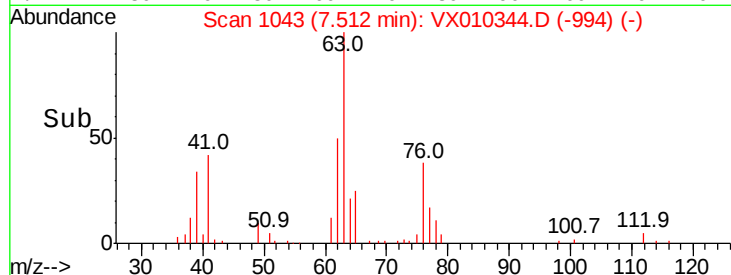
Time-->

7.40

7.50

7.60

7.70



#46

Dibromomethane

Concen: 4.559 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

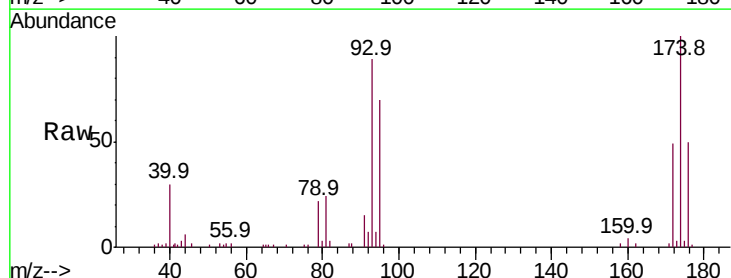
Tgt Ion: 93 Resp: 9310

Ion Ratio Lower Upper

93 100

95 88.2 67.5 101.3

174 119.5 95.8 143.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

6000

4000

2000

0

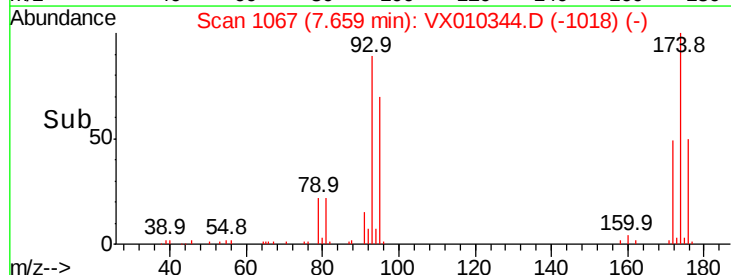
Time-->

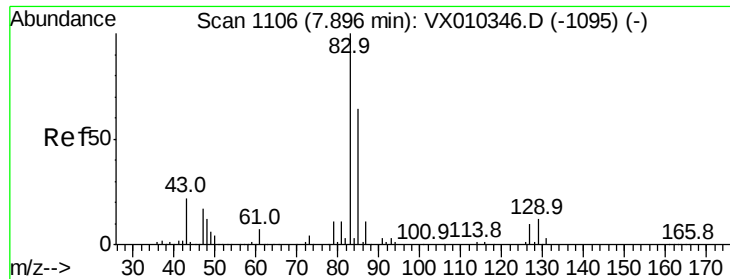
7.60

7.65

7.70

7.75





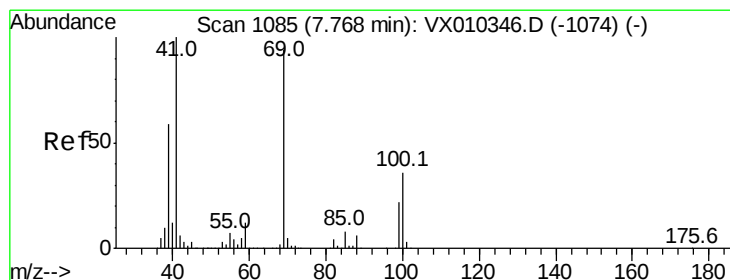
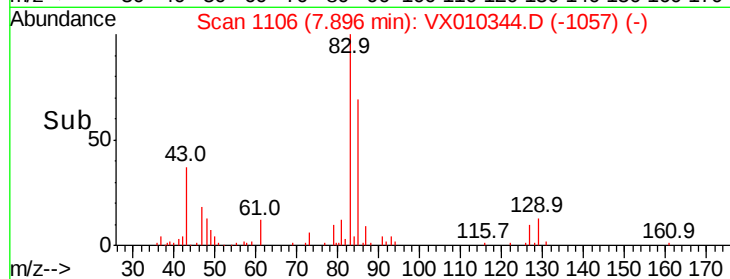
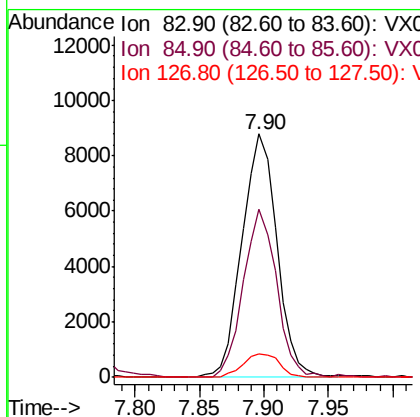
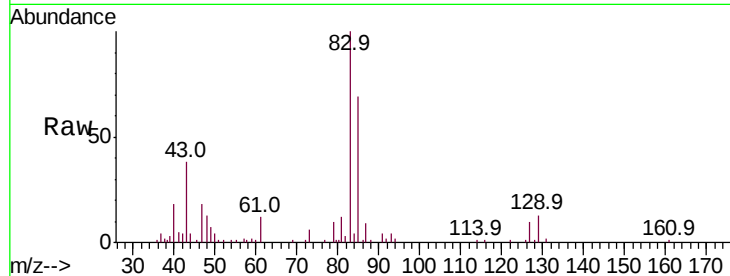
#47
Bromodichloromethane
Concen: 4.355 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	16511		
85	68.8	51.5	77.3	
127	9.6	7.8	11.8	

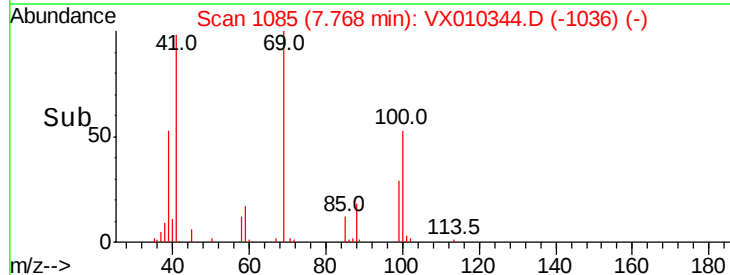
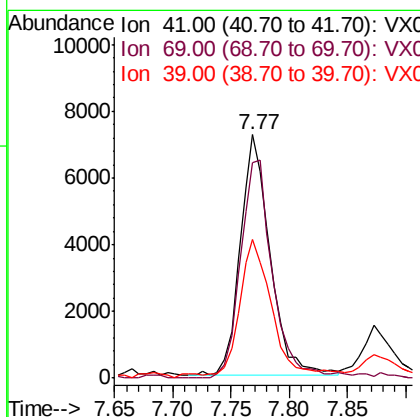
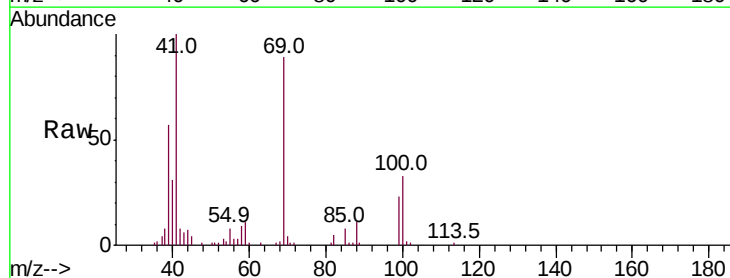
Manual Integrations
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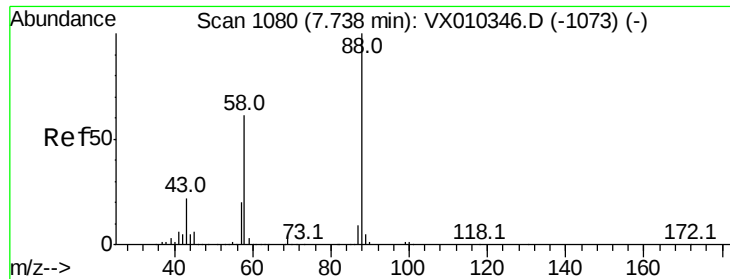
MMDadoda
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#48
Methyl methacrylate
Concen: 4.556 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	12974		
69	96.1	76.1	114.1	
39	60.4	47.6	71.4	





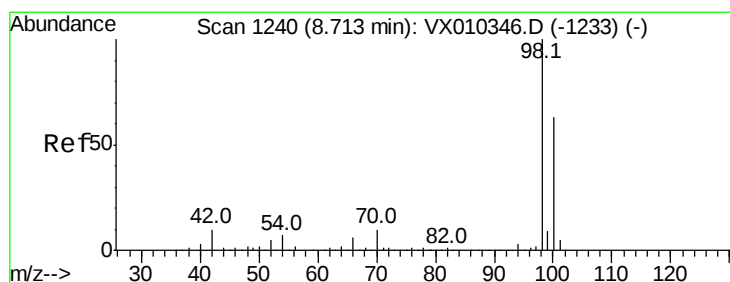
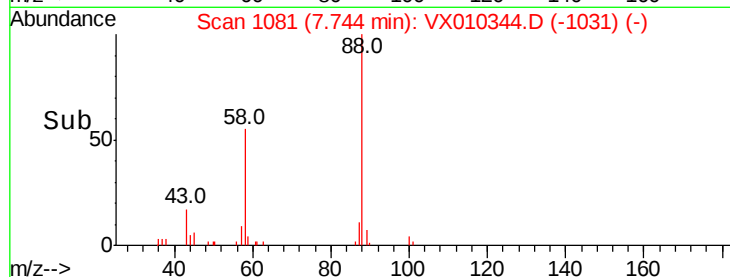
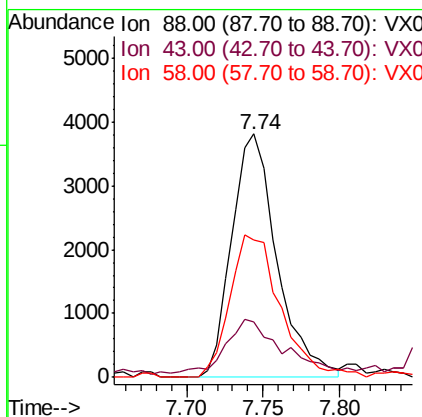
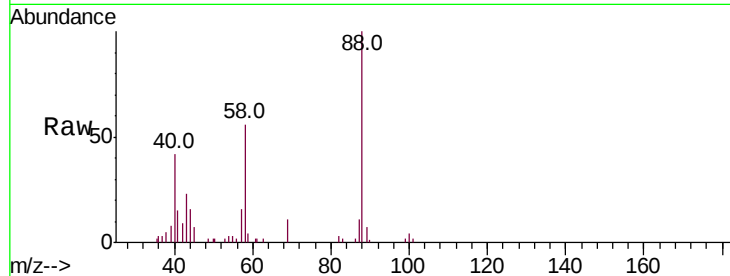
#49
1,4-Dioxane
Concen: 96.220 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	20.2	30.2
58	65.2	49.5	74.3

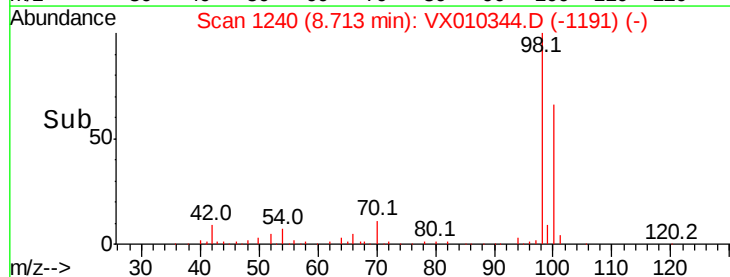
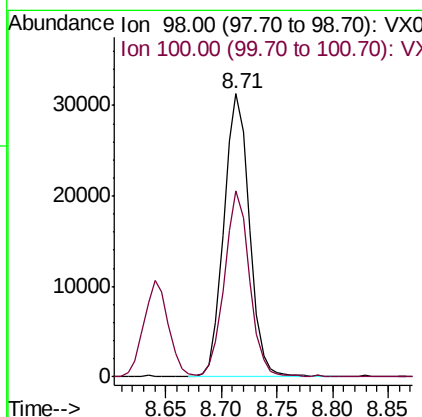
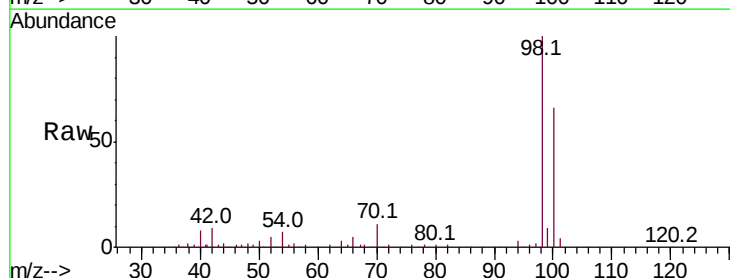
Manual Integrations
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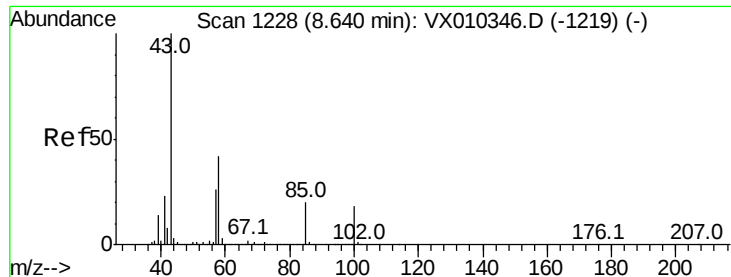
MMDadoda
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#50
Toluene-d8
Concen: 4.947 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 24.790 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 90957

Ion Ratio Lower Upper

43 100

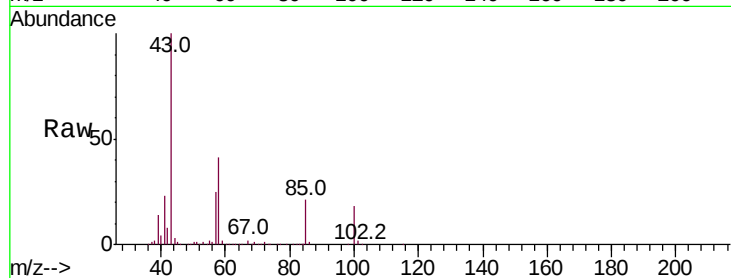
58 42.5 33.5 50.3

Manual Integrations

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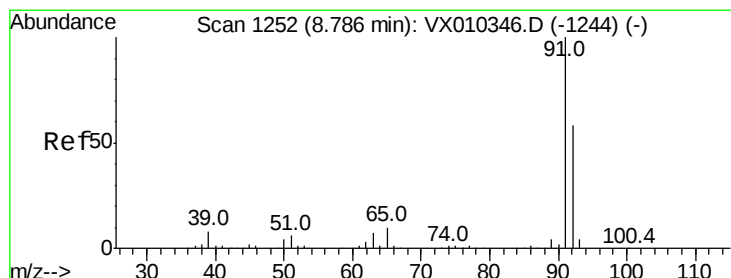
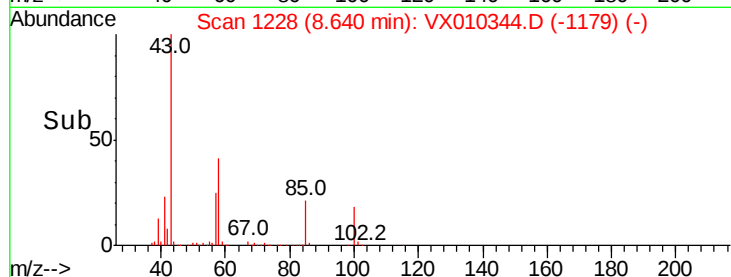
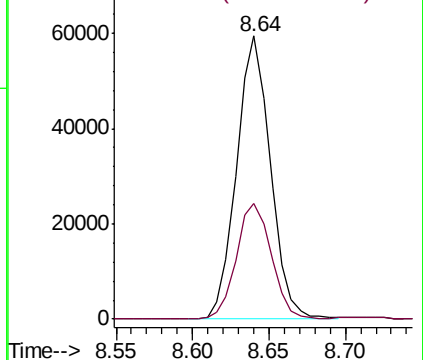
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 4.801 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010344.D

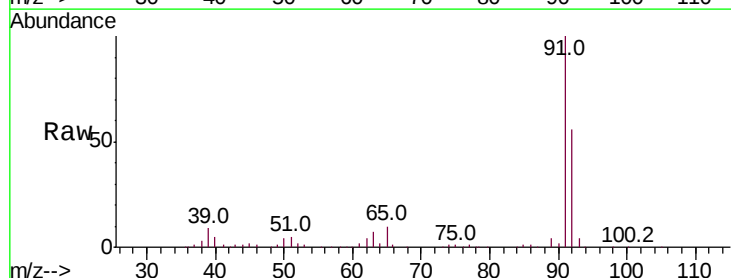
Acq: 19 Jun 2019 12:41

Tgt Ion: 92 Resp: 34442

Ion Ratio Lower Upper

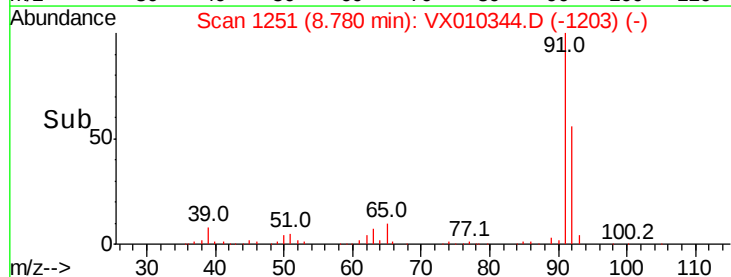
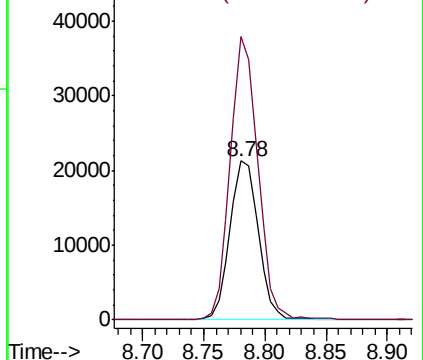
92 100

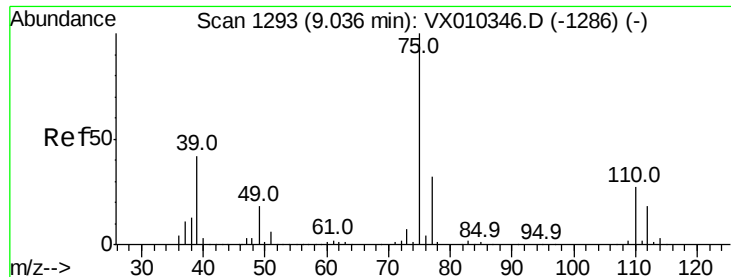
91 172.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





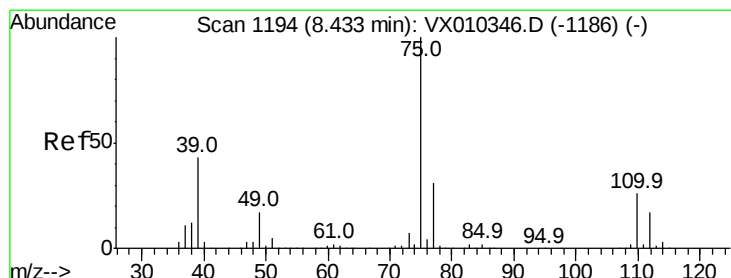
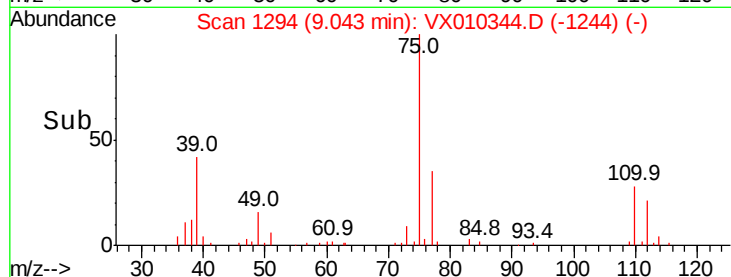
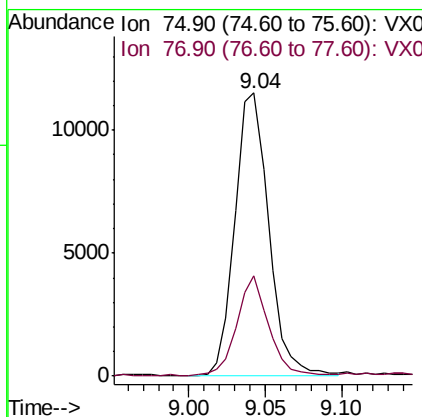
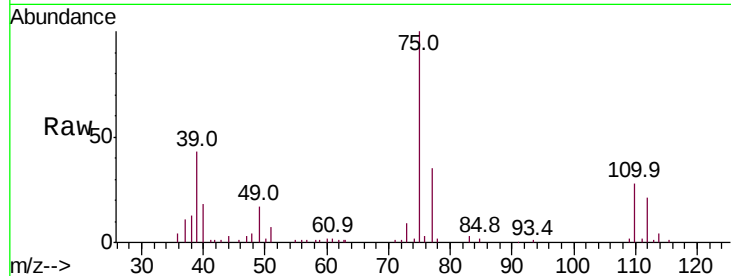
#53
t-1,3-Dichloropropene
Concen: 4.074 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 17766
Ion Ratio Lower Upper
75 100
77 35.2 25.4 38.2

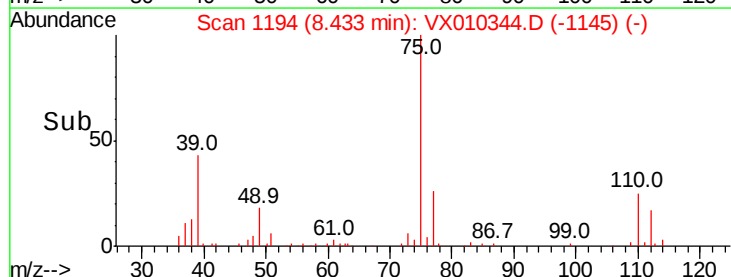
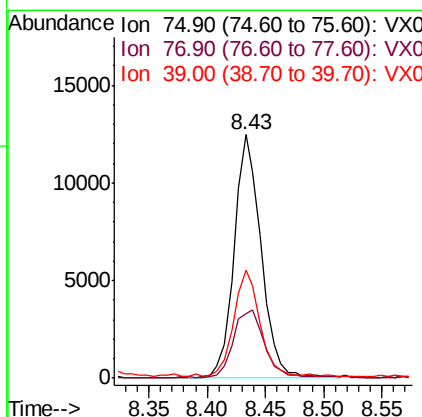
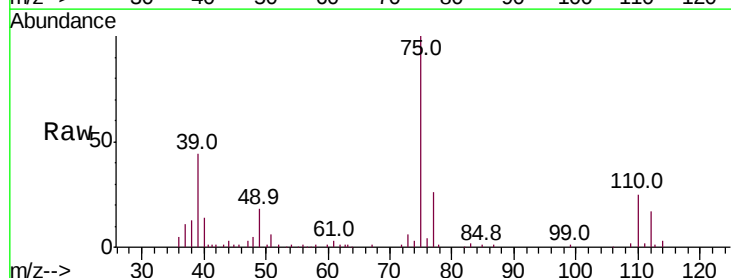
Manual Integrations
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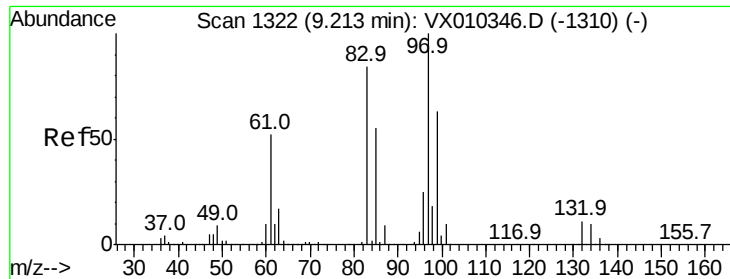
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#54
cis-1,3-Dichloropropene
Concen: 4.294 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion: 75 Resp: 20169
Ion Ratio Lower Upper
75 100
77 25.9 25.2 37.8
39 44.0 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 4.841 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

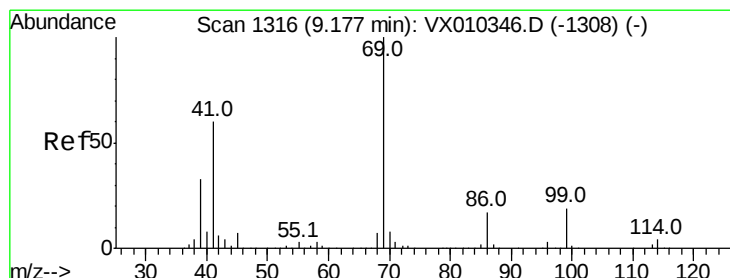
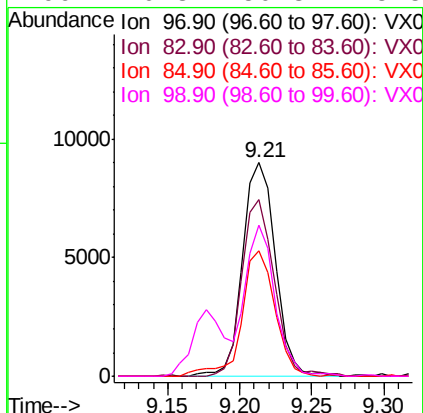
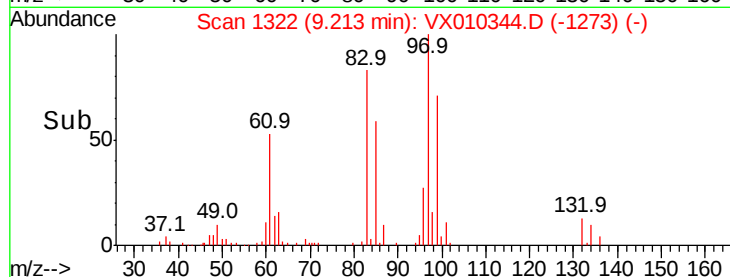
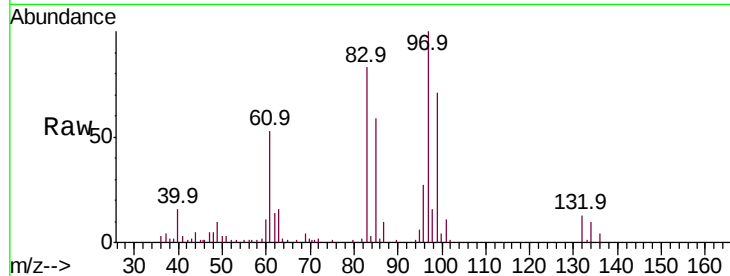
ClientSampled :

VSTDIC005

Tot Ion:	97	Resp:	14207
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.4	101.0
85	58.1	43.8	65.8
99	70.3	50.3	75.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 4.428 ug/l

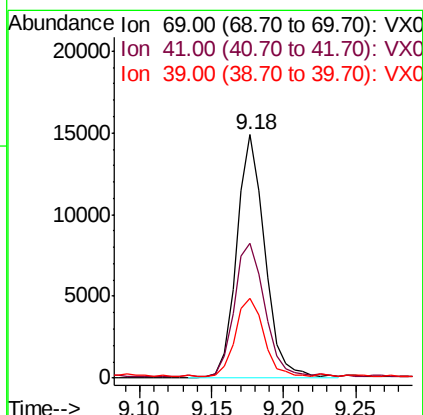
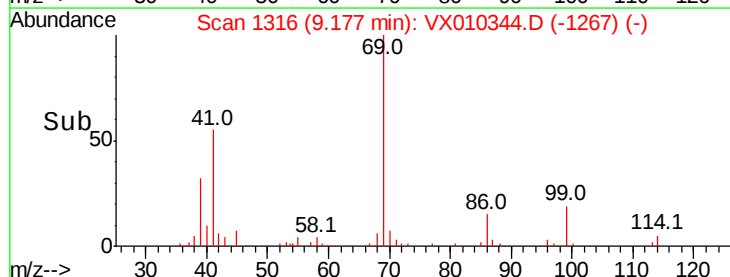
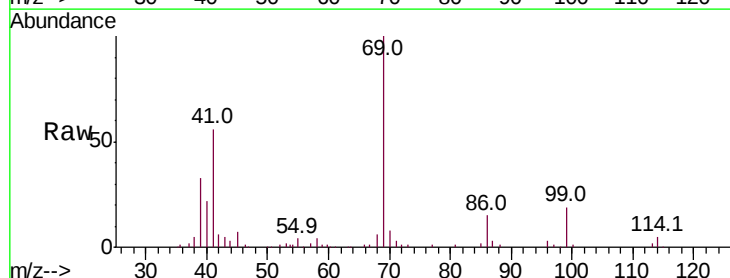
RT: 9.18 min Scan# 1316

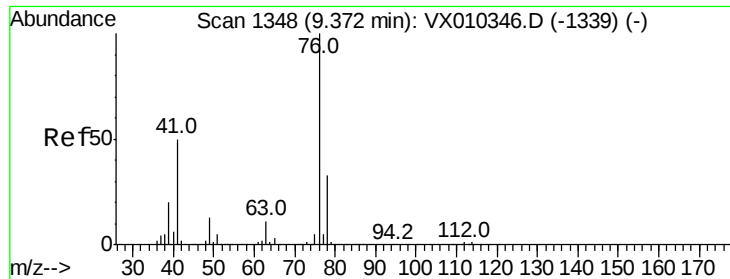
Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Tgt Ion:	69	Resp:	20401
Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.1	70.7
39	32.7	26.6	40.0





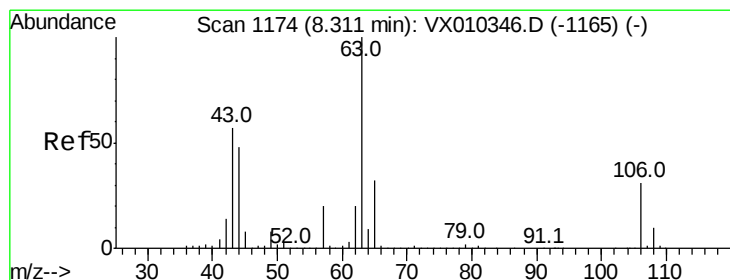
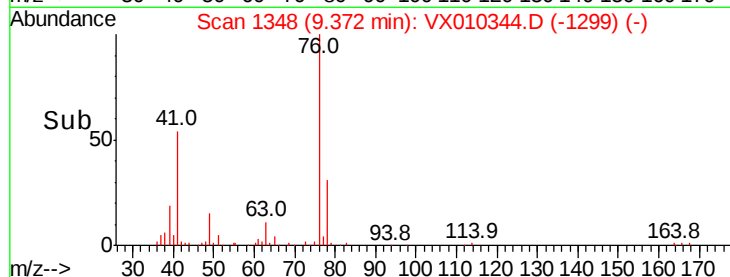
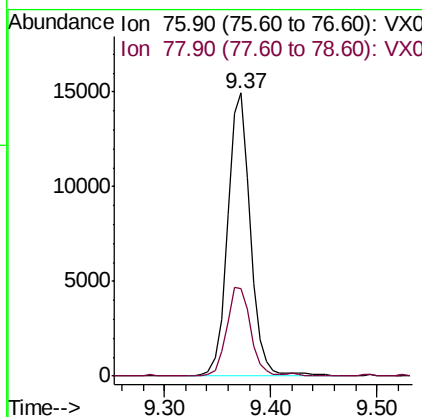
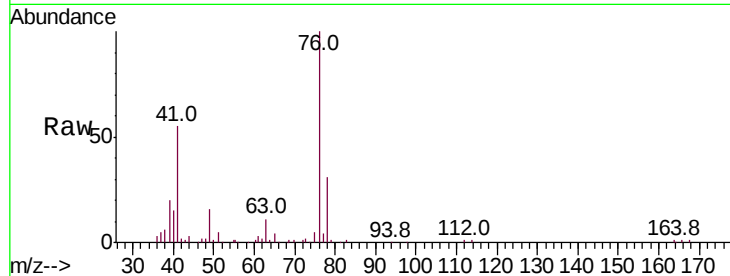
#57
 1,3-Dichloropropane
 Concen: 4.834 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 22323
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

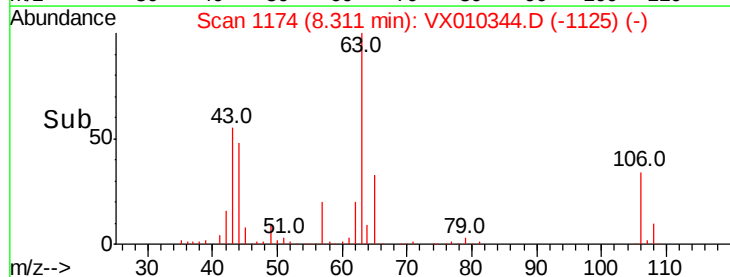
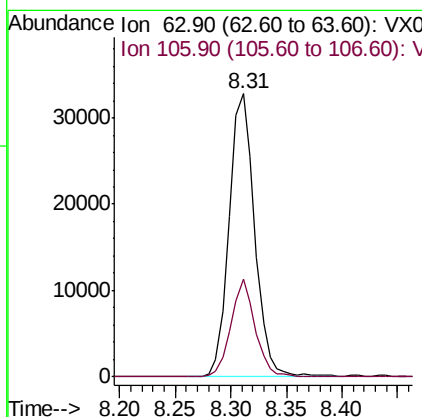
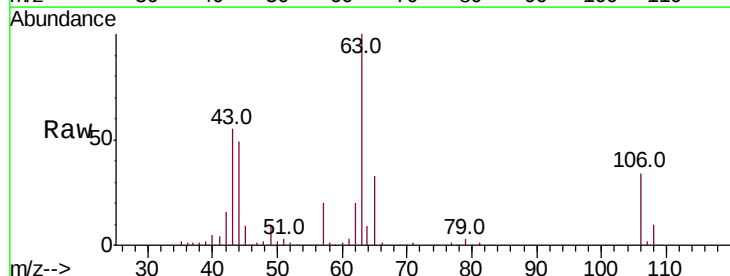
Manual Integrations
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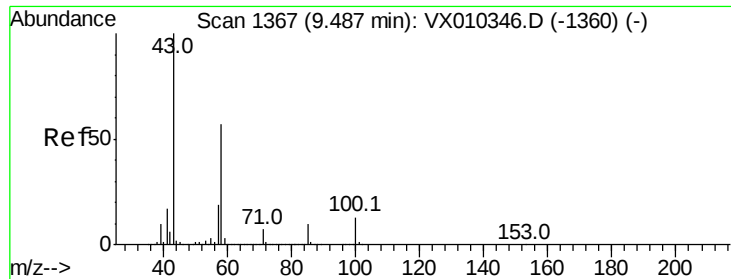
MMDadoda
 6/20/2019 1:23:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.040 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Tgt Ion: 63 Resp: 52287
 Ion Ratio Lower Upper
 63 100
 106 32.5 24.7 37.1





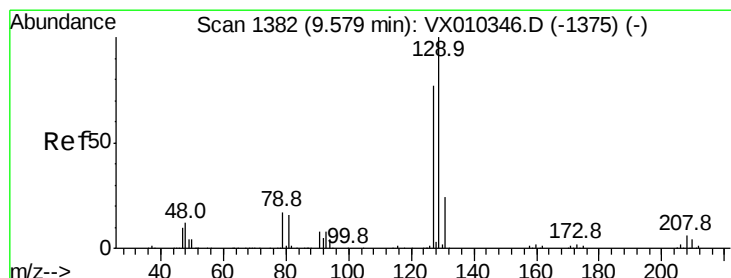
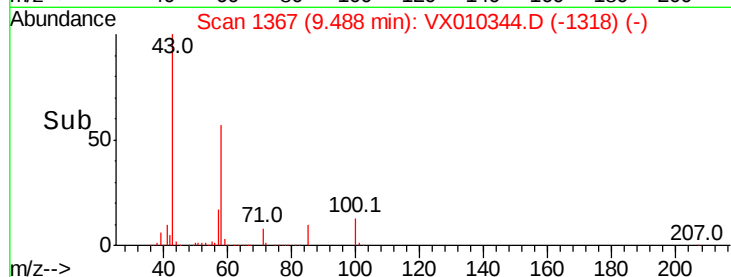
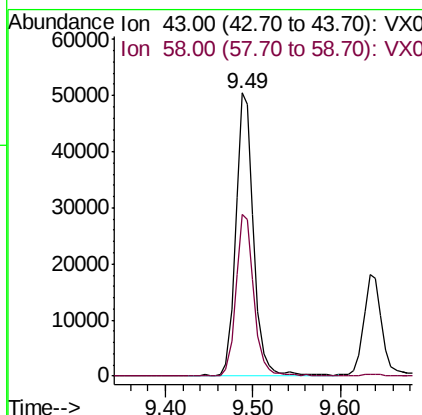
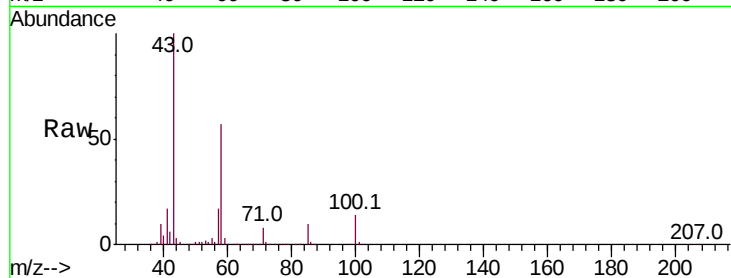
#59
2-Hexanone
Concen: 24.501 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 71769
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.1

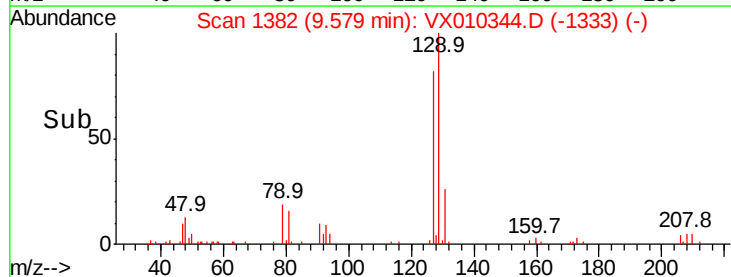
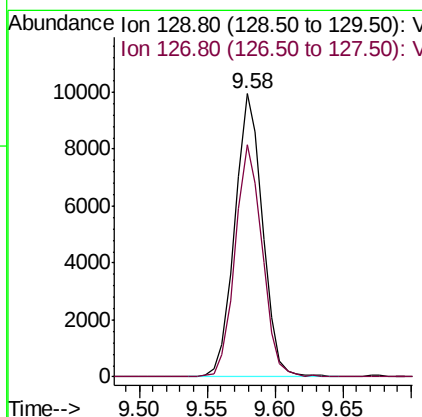
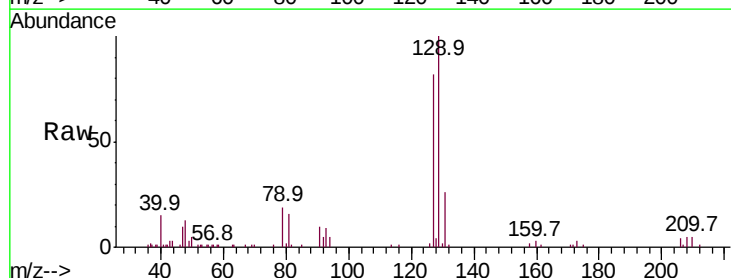
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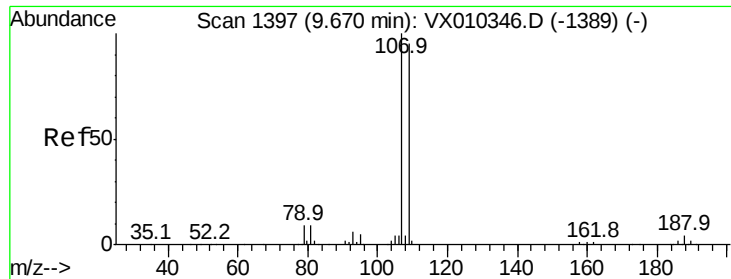
MMDadoda
6/20/2019 1:23:19 PM



#60
Dibromochloromethane
Concen: 4.102 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion: 129 Resp: 14148
Ion Ratio Lower Upper
129 100
127 79.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 4.545 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 14816

Ion Ratio Lower Upper

107 100

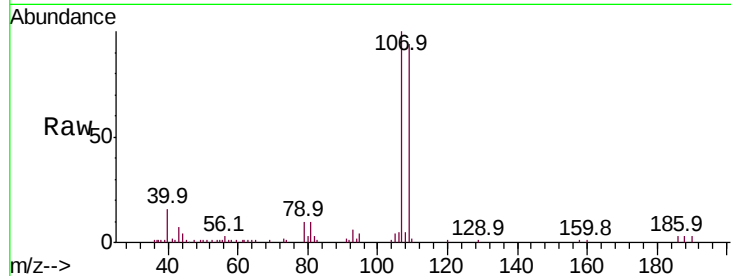
109 94.5 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

12000

10000

8000

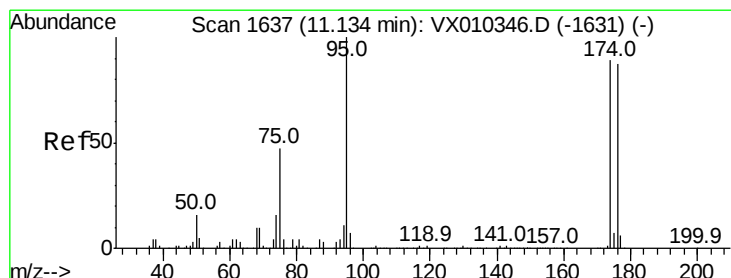
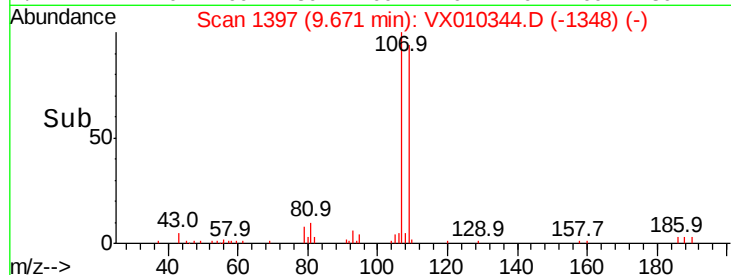
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 4.696 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

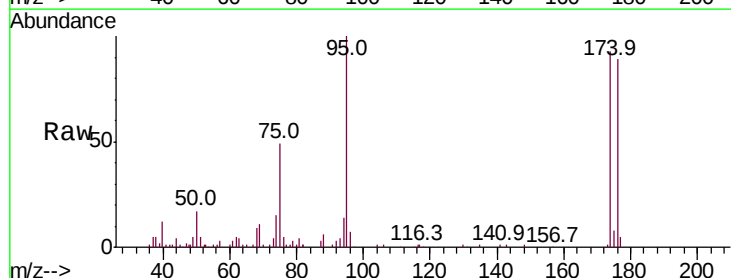
Tgt Ion: 95 Resp: 17491

Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.6

176 86.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

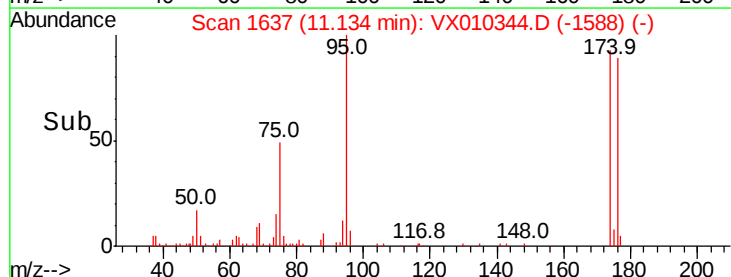
15000

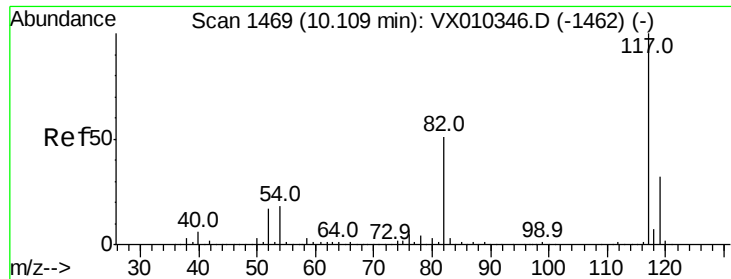
10000

5000

0

Time-->





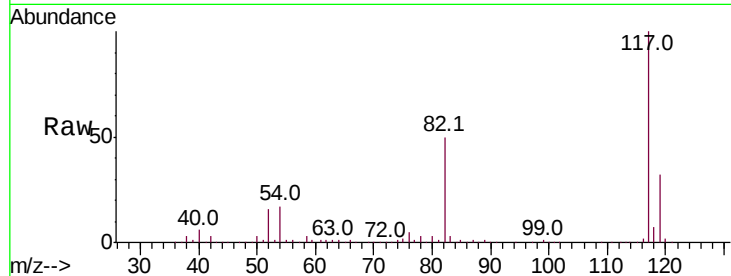
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	41.2	61.8
119	32.2	25.5	38.3

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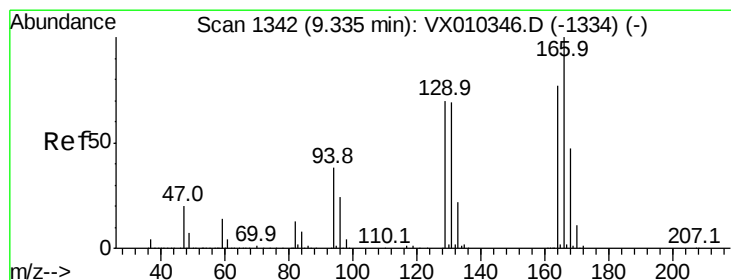
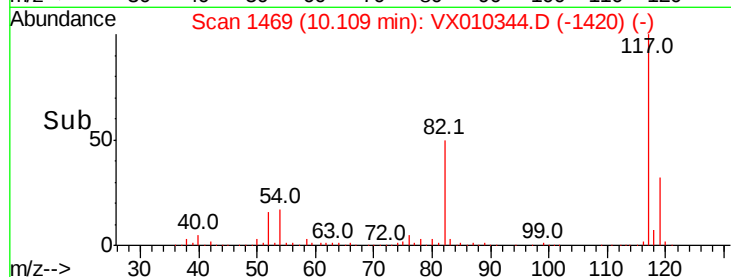
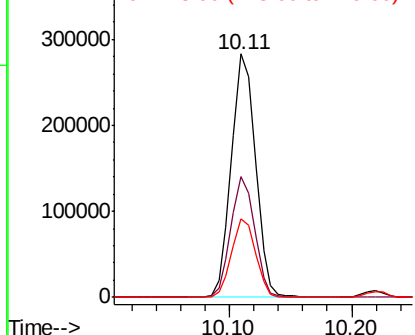


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.747 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	103.6	155.4
129	90.2	73.0	109.4
131	78.8	71.0	106.4

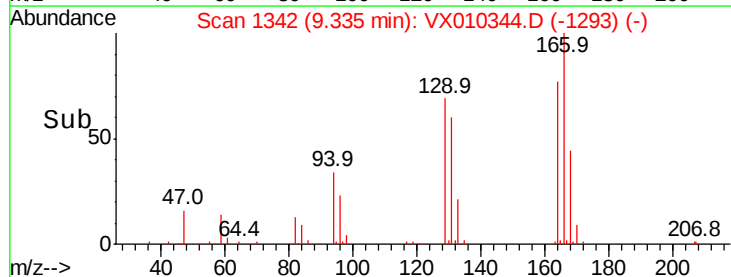
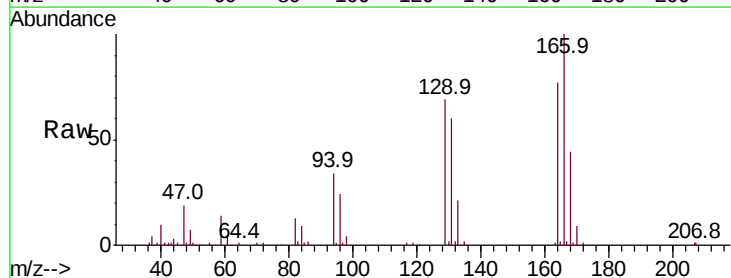
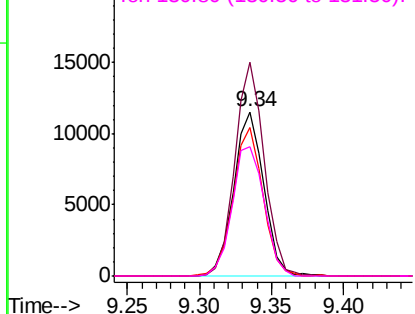
Abundance

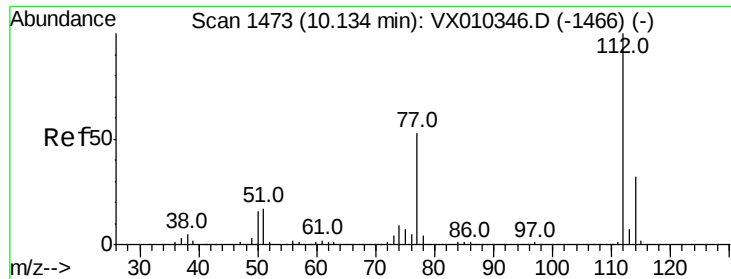
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





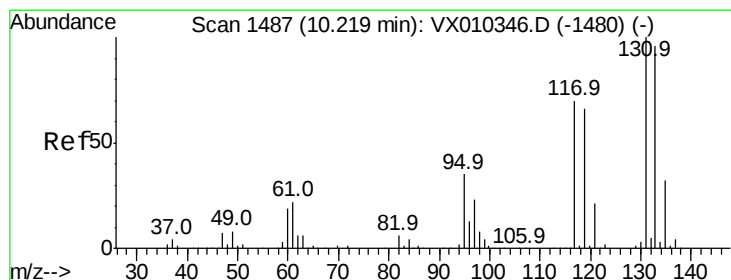
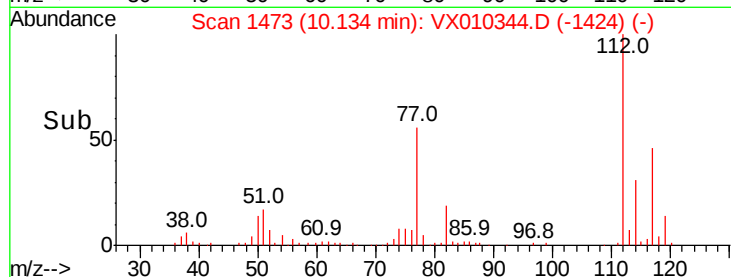
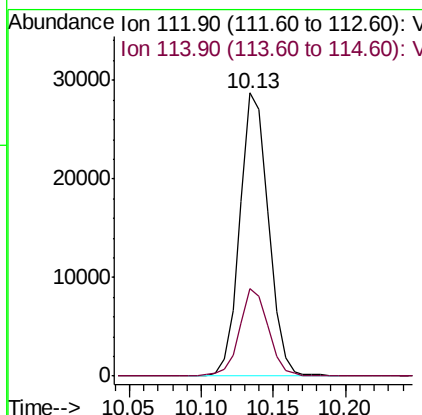
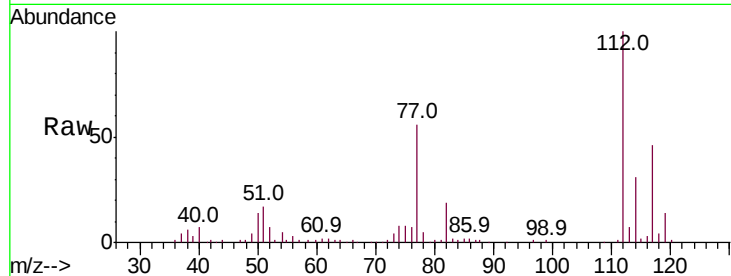
#65
Chlorobenzene
Concen: 4.968 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 39637
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2

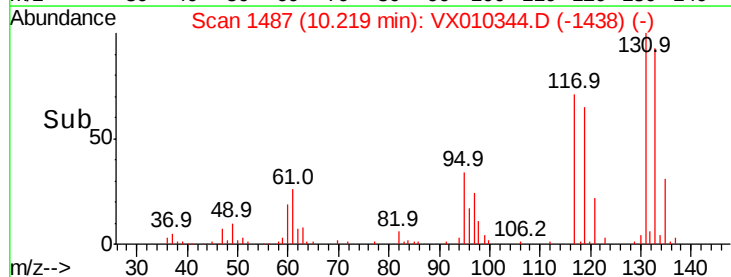
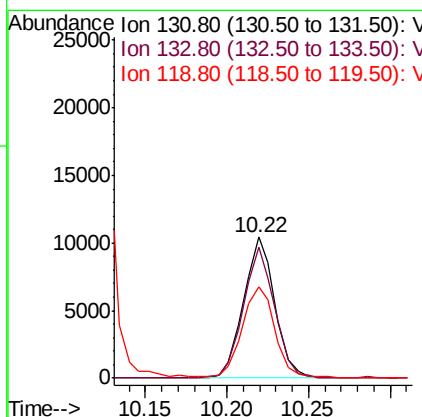
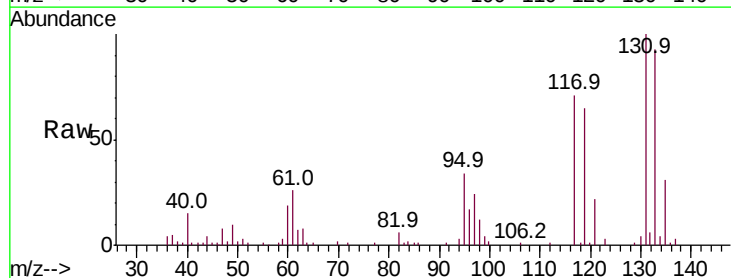
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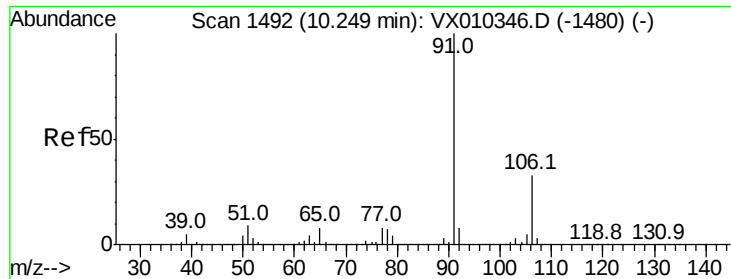
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6/20/2019 1:23:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.544 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion:131 Resp: 13892
Ion Ratio Lower Upper
131 100
133 92.9 47.7 143.1
119 68.4 32.6 97.7





#67

Ethyl Benzene

Concen: 4.739 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 64390

Ion Ratio Lower Upper

91 100

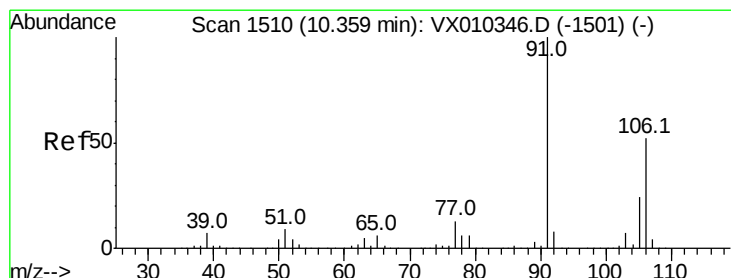
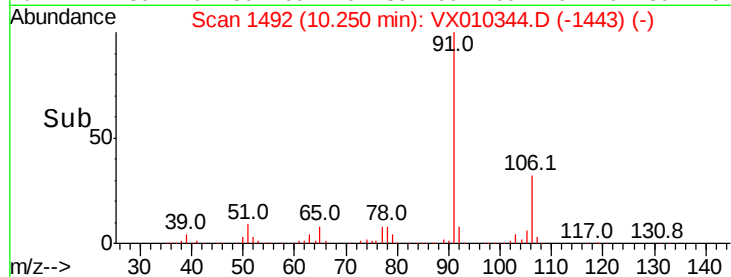
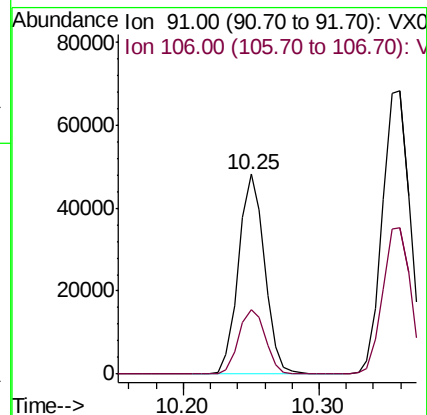
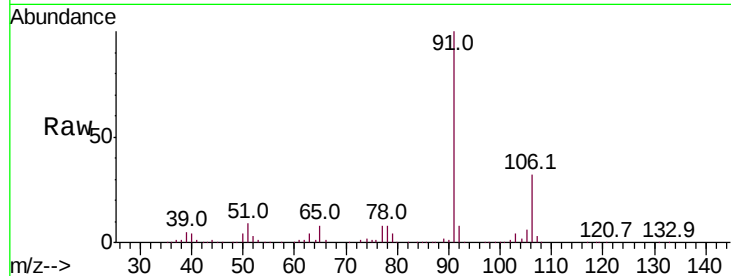
106 32.4 26.2 39.2

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6/20/2019 1:23:19 PM



#68

m/p-Xylenes

Concen: 9.683 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010344.D

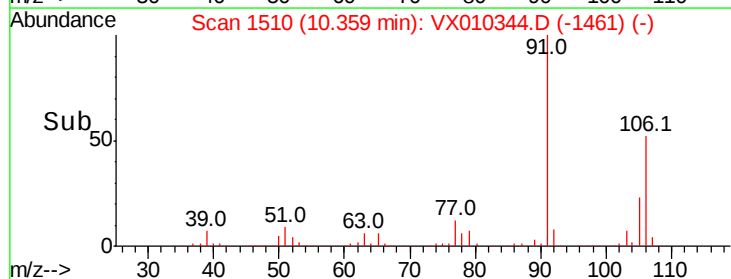
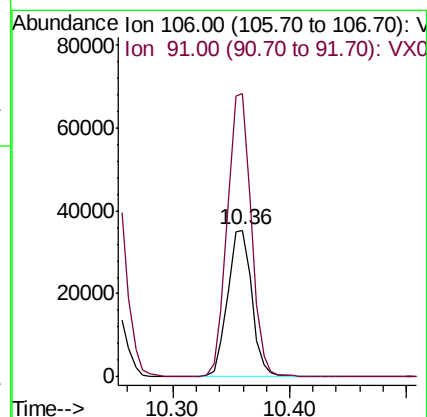
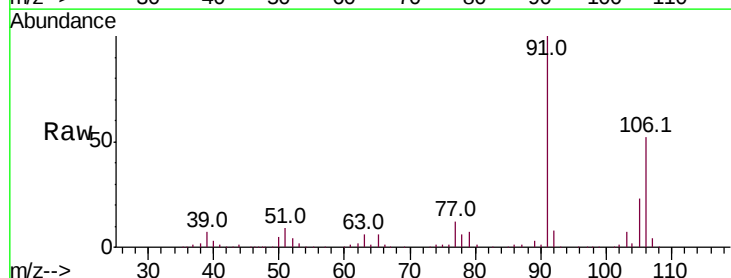
Acq: 19 Jun 2019 12:41

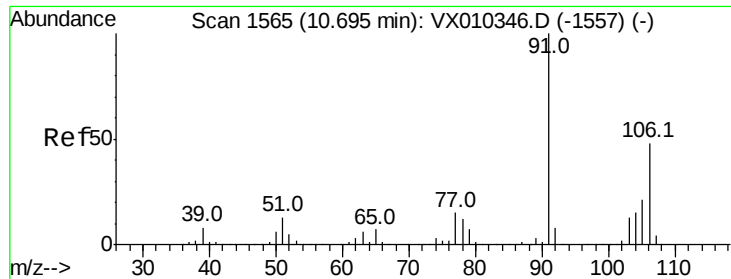
Tgt Ion: 106 Resp: 50962

Ion Ratio Lower Upper

106 100

91 190.6 155.3 232.9





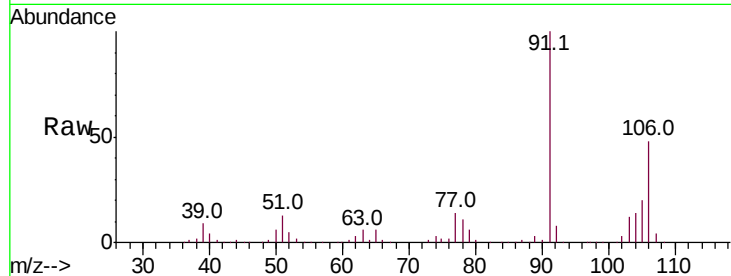
#69
o-Xylene
Concen: 4.868 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

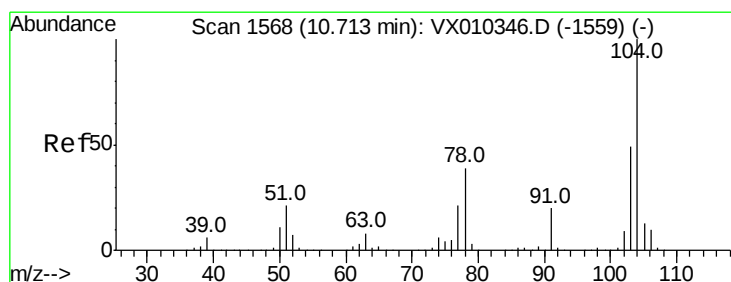
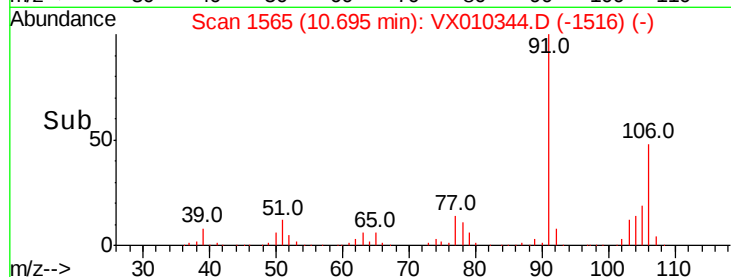
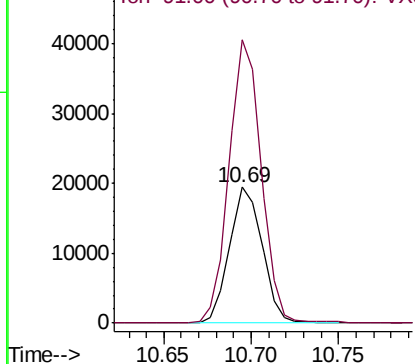
Tot Ion:106 Resp: 25417
Ion Ratio Lower Upper
106 100
91 205.9 102.7 308.1

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6/20/2019 1:23:19 PM

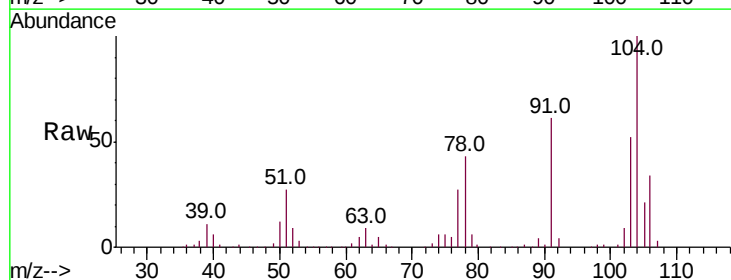


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

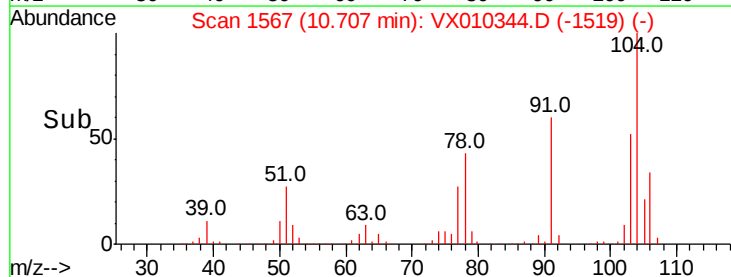
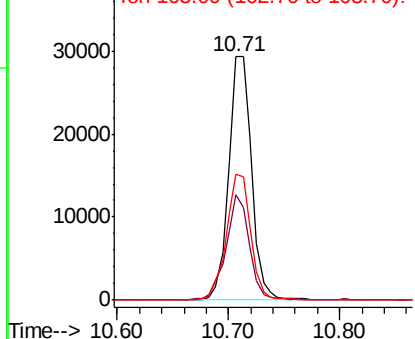


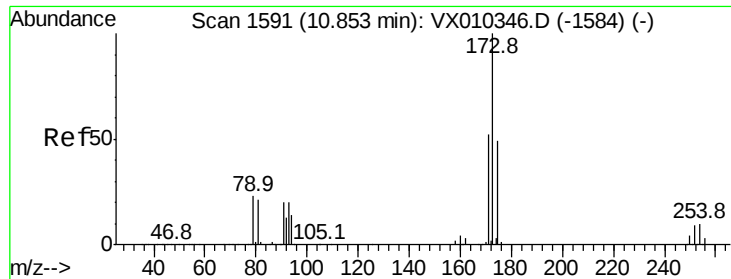
#70
Styrene
Concen: 4.715 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion:104 Resp: 41636
Ion Ratio Lower Upper
104 100
78 44.1 36.2 54.2
103 55.2 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 3.804 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:173 Resp: 10653

Ion Ratio Lower Upper

173 100

175 50.2 24.1 72.3

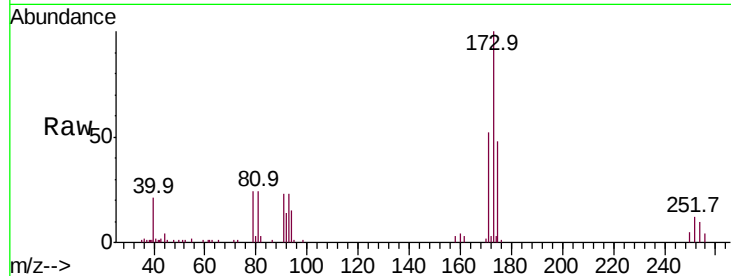
254 0.0 0.2 0.2#

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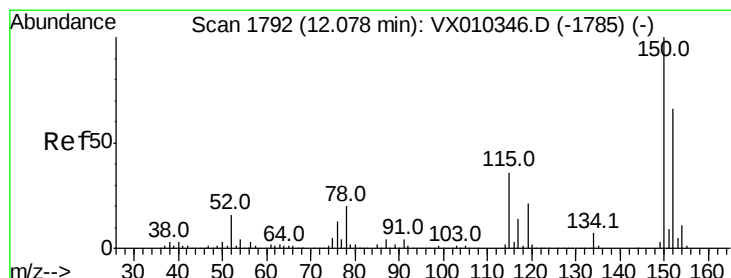
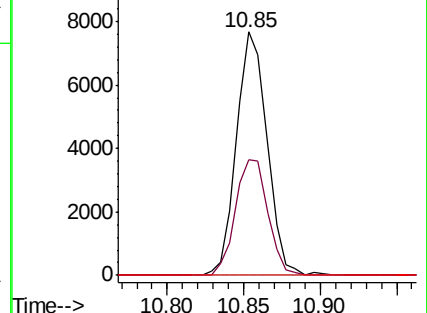
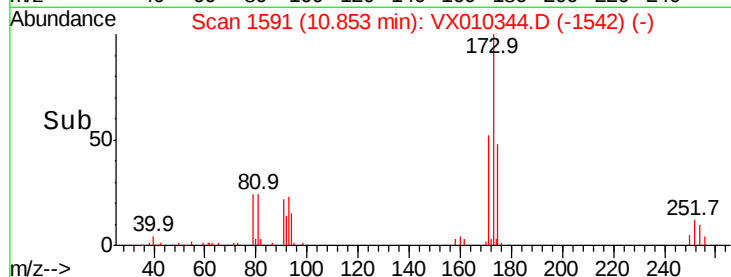
6/20/2019 1:23:19 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

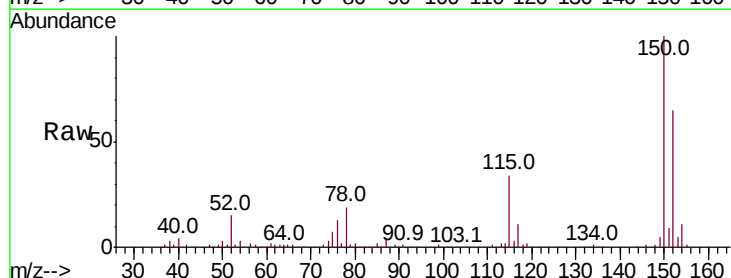
Tgt Ion:152 Resp: 192363

Ion Ratio Lower Upper

152 100

115 56.3 38.6 115.7

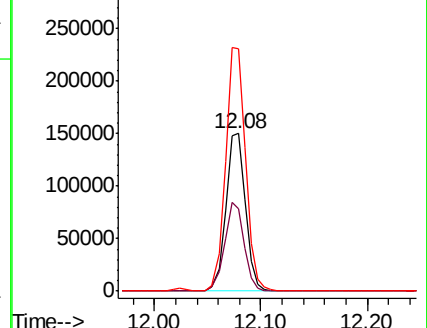
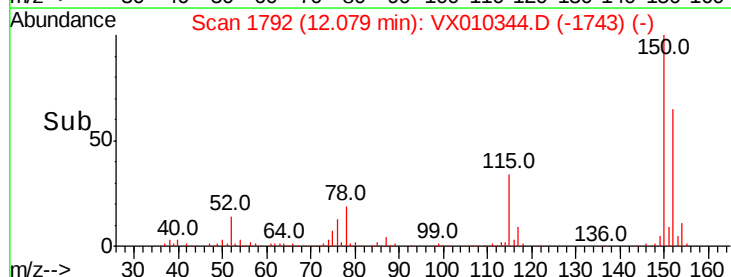
150 157.2 0.0 347.4

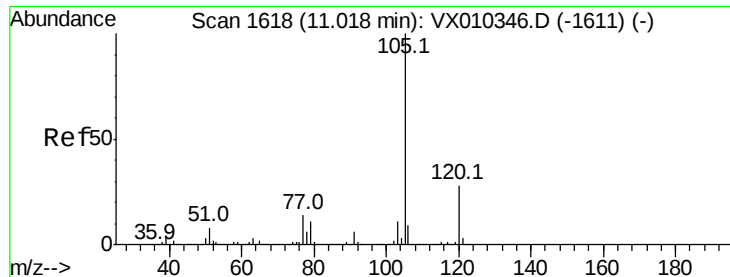


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.883 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 65329

Ion Ratio Lower Upper

105 100

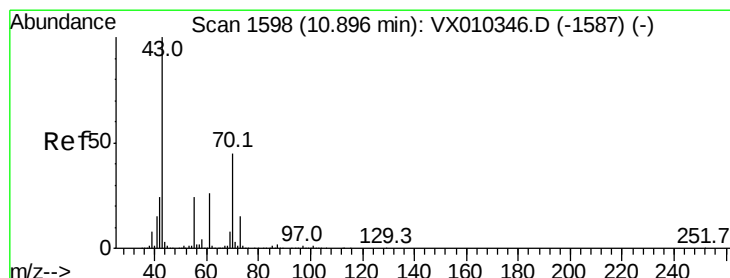
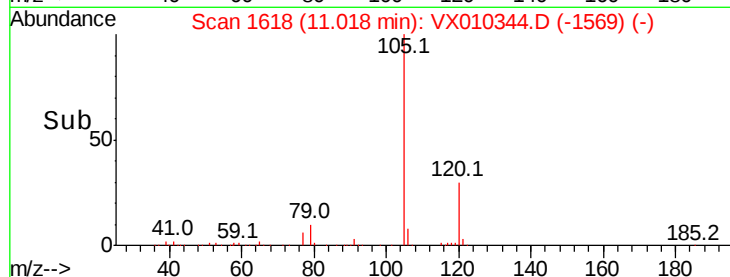
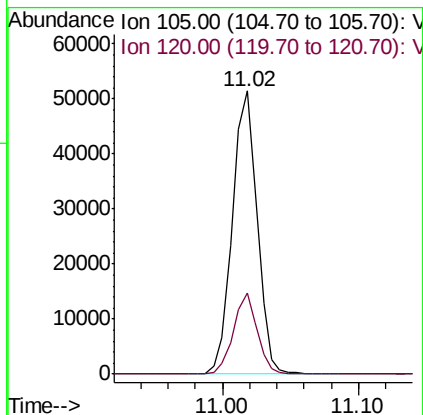
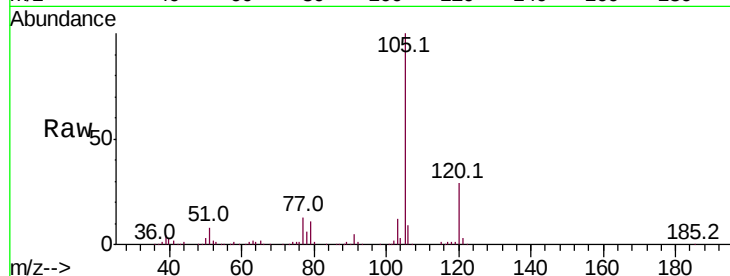
120 27.6 14.1 42.4

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6/20/2019 1:23:19 PM



#74

N-ethyl acetate

Concen: 4.511 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Tgt Ion: 43 Resp: 23850

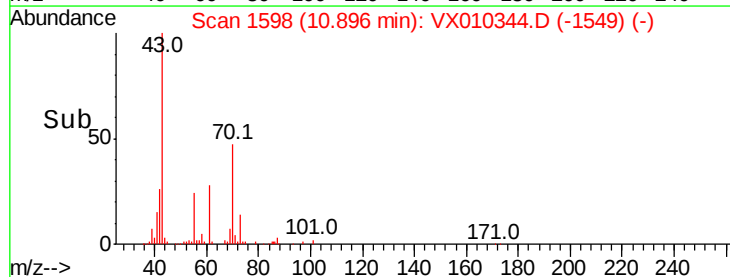
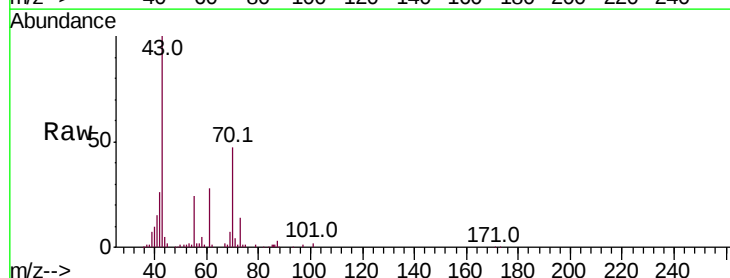
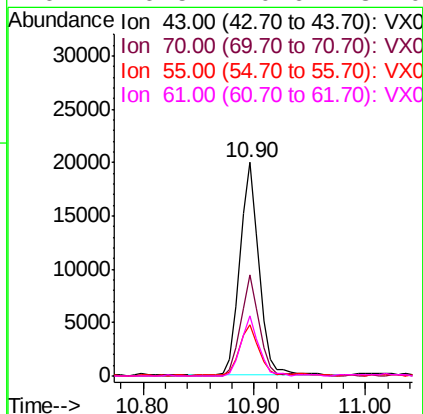
Ion Ratio Lower Upper

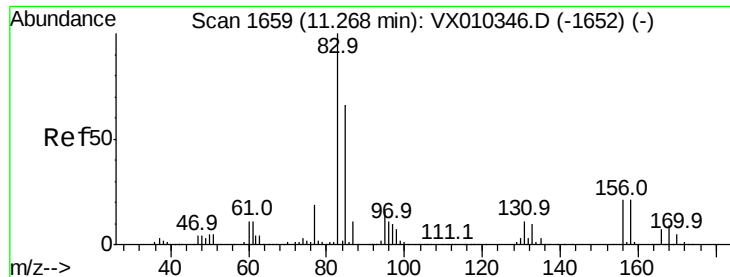
43 100

70 46.4 36.6 54.8

55 23.6 18.7 28.1

61 26.5 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.682 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 21402

Ion Ratio Lower Upper

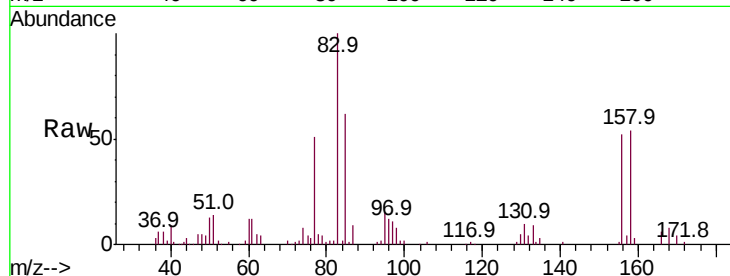
83 100

131 11.4 5.5 16.4

85 65.9 32.3 96.8

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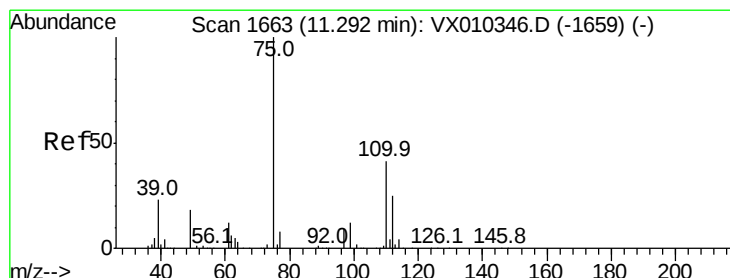
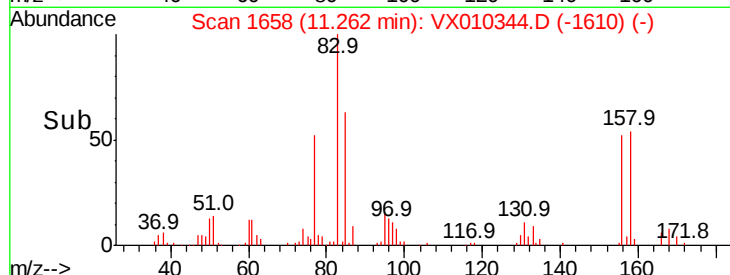
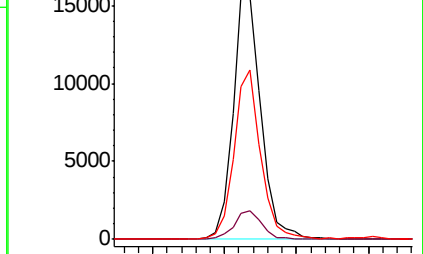
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 4.641 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010344.D

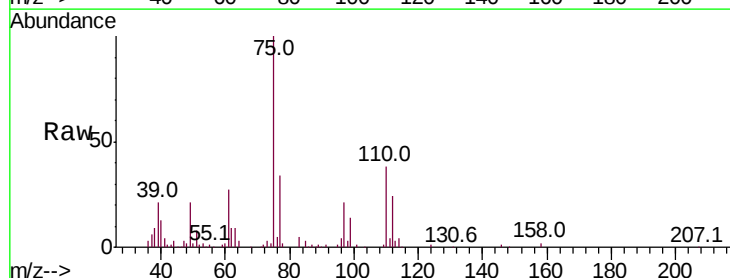
Acq: 19 Jun 2019 12:41

Tgt Ion: 75 Resp: 17696

Ion Ratio Lower Upper

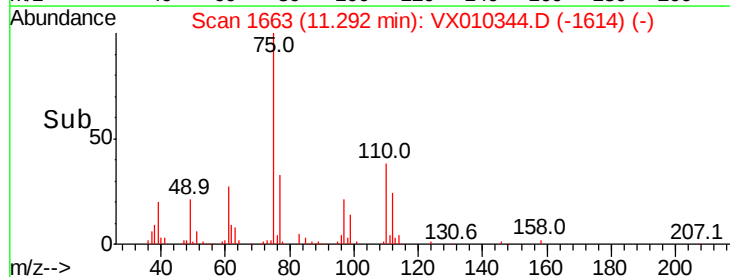
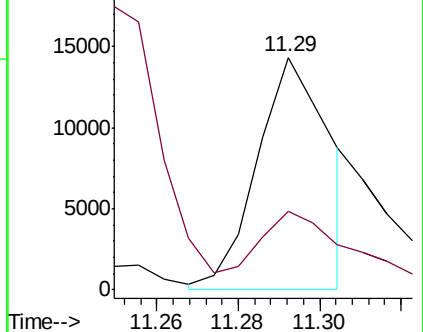
75 100

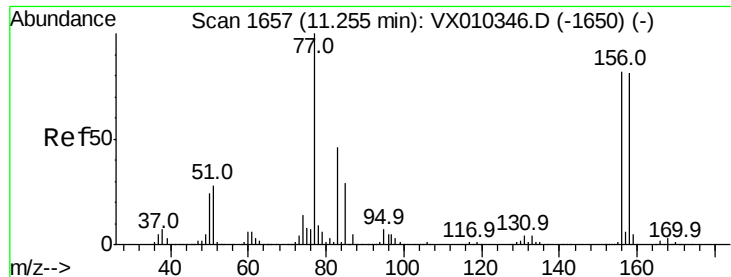
77 44.9 22.6 67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 4.876 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 17981

Ion Ratio Lower Upper

156 100

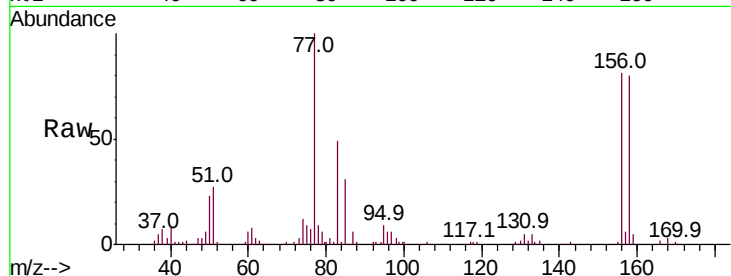
77 129.7 66.3 198.7

158 98.3 48.9 146.7

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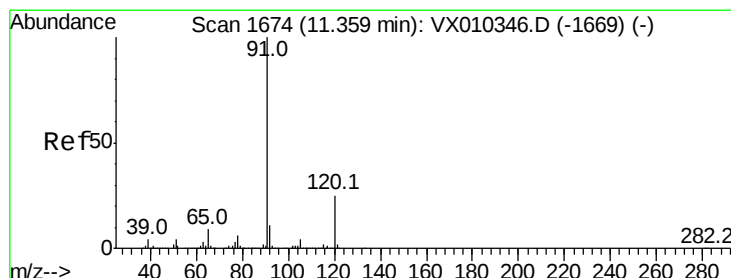
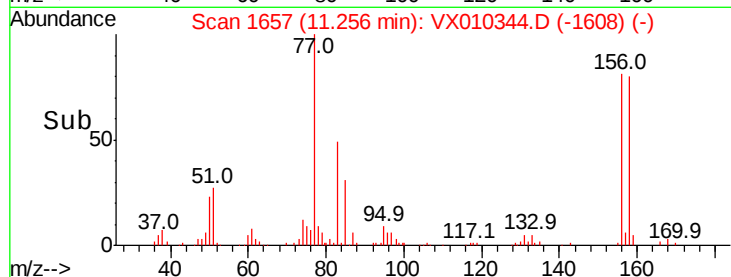
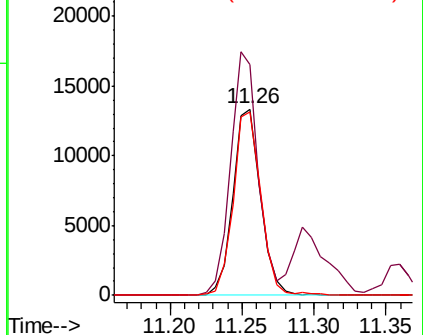
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.588 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010344.D

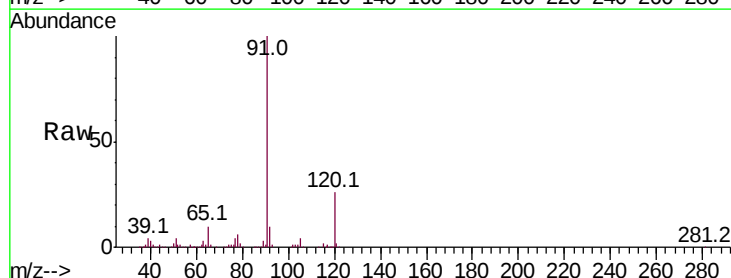
Acq: 19 Jun 2019 12:41

Tgt Ion: 91 Resp: 68361

Ion Ratio Lower Upper

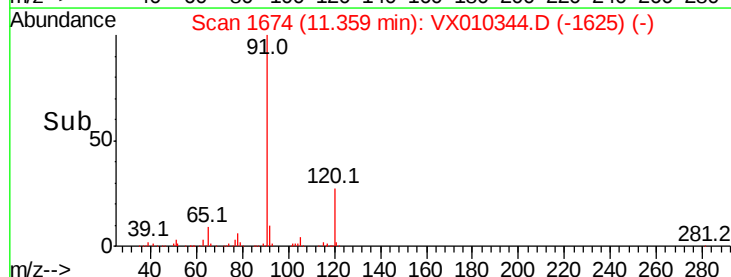
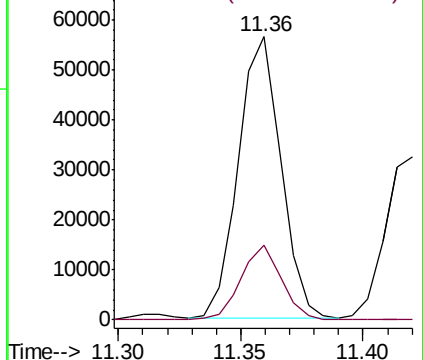
91 100

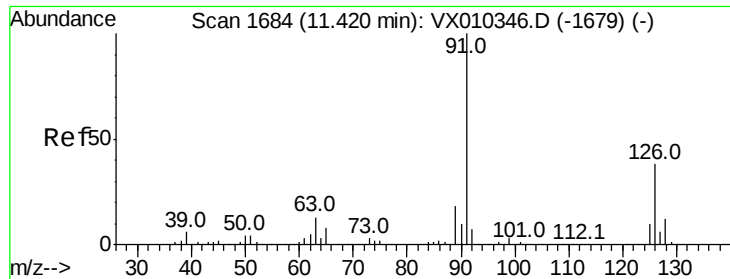
120 25.3 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.719 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 42121

Ion Ratio Lower Upper

91 100

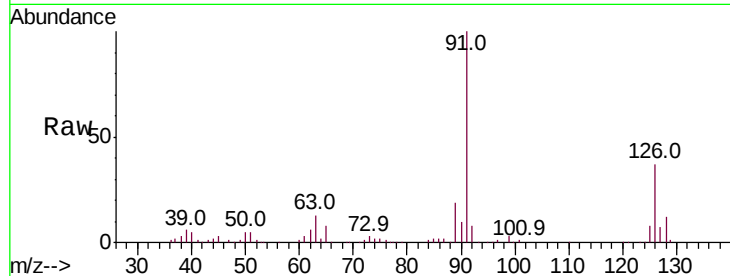
126 37.4 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX010344.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010344.D (-1679) (-)

60000

50000

40000

30000

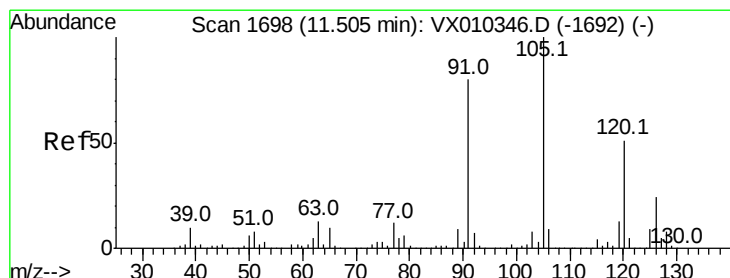
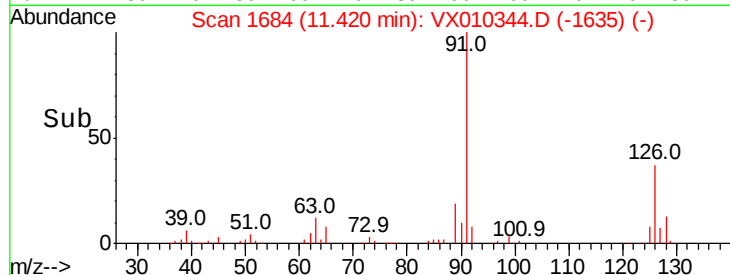
20000

10000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.688 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010344.D

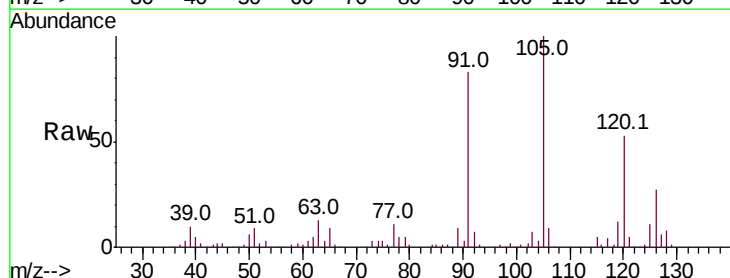
Acq: 19 Jun 2019 12:41

Tgt Ion: 105 Resp: 52913

Ion Ratio Lower Upper

105 100

120 50.7 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010344.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010344.D (-1692) (-)

50000

40000

30000

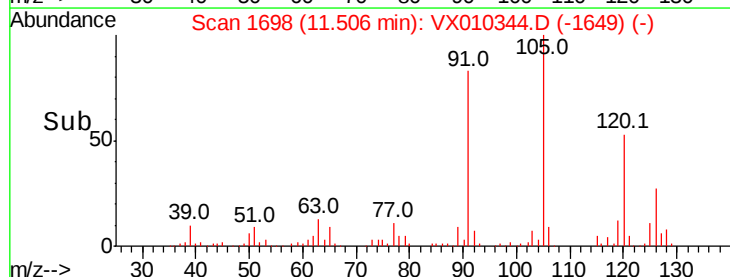
20000

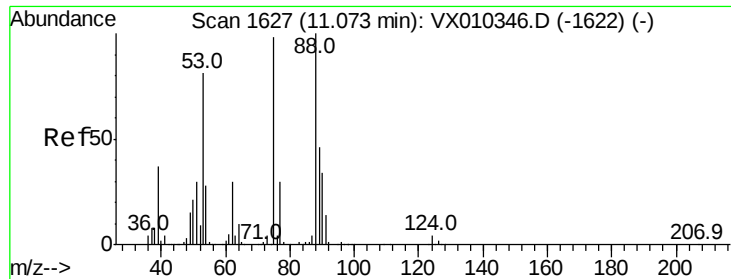
10000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 3.773 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

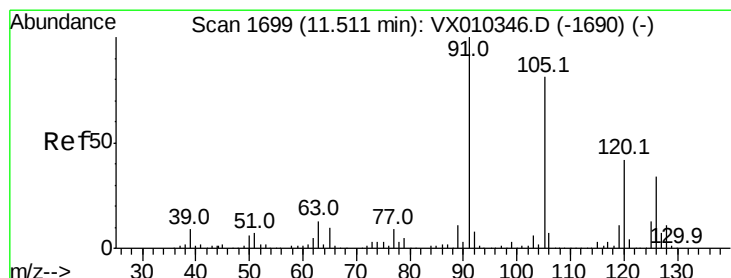
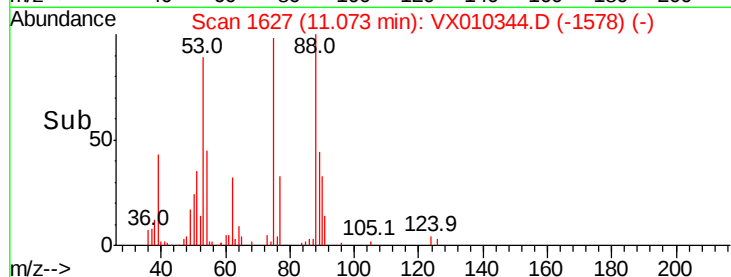
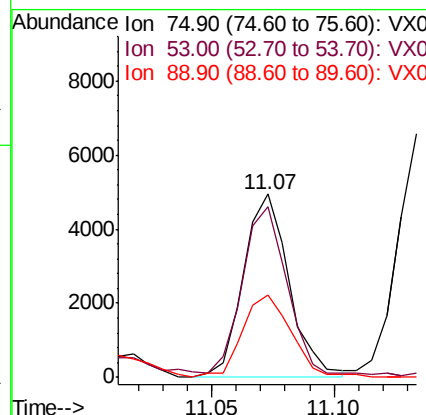
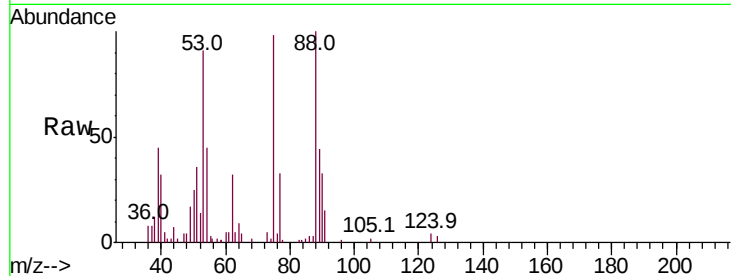
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	6427
Ion	Ratio	Lower	Upper
75	100		
53	90.4	66.1	99.1
89	48.2	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.743 ug/l

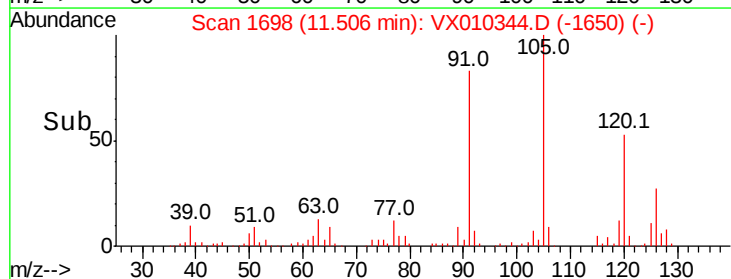
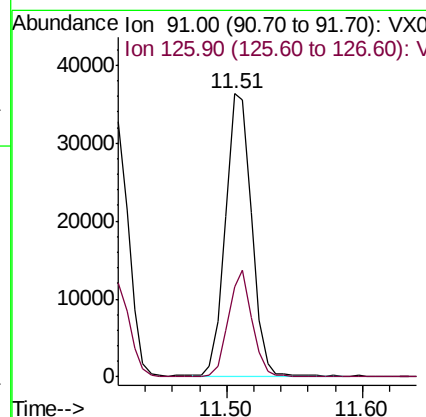
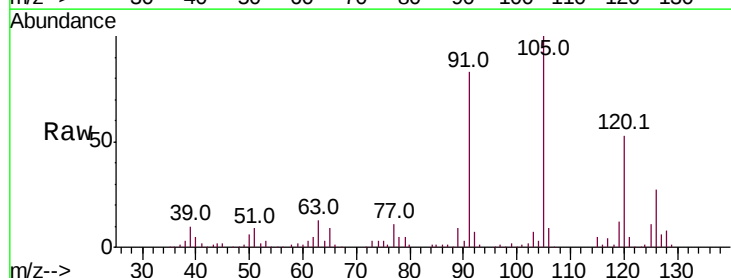
RT: 11.51 min Scan# 1698

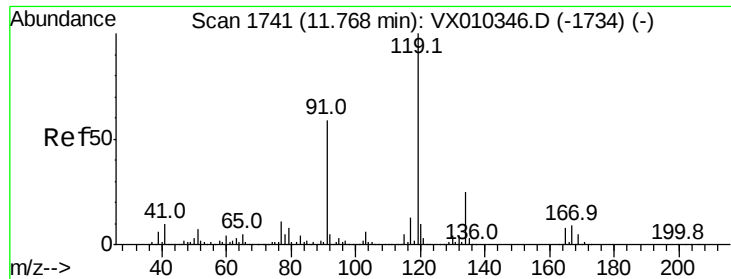
Delta R.T. -0.01 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Tgt Ion:	91	Resp:	48101
Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.2	48.6





#83

tert-Butylbenzene

Concen: 4.693 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

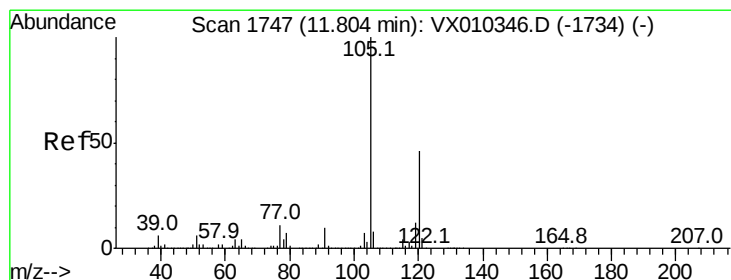
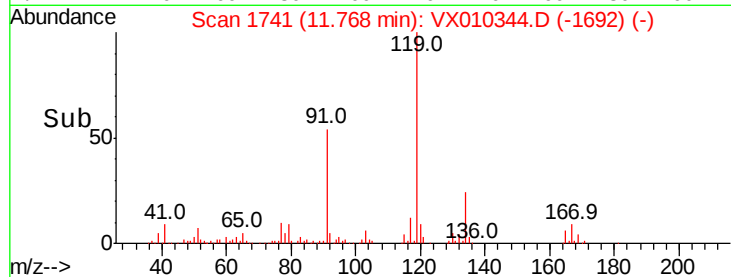
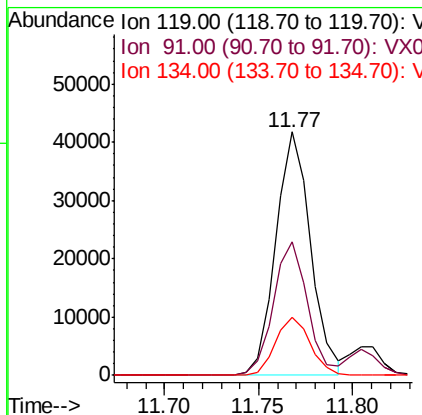
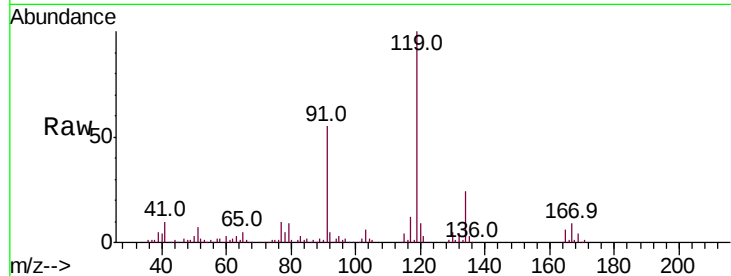
ClientSampled :

VSTDIC005

Tot Ion:	119	Resp:	53453
Ion Ratio	Lower	Upper	
119	100		
91	54.1	27.6	82.7
134	24.0	11.8	35.4

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#84

1,2,4-Trimethylbenzene

Concen: 4.602 ug/l

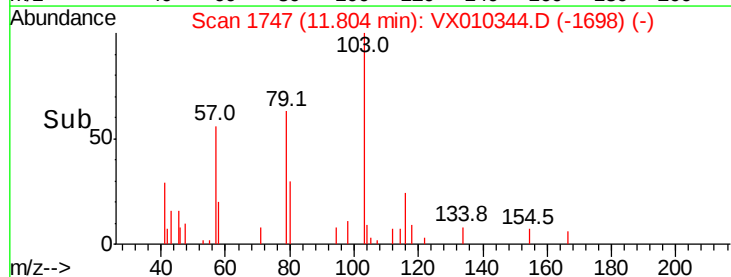
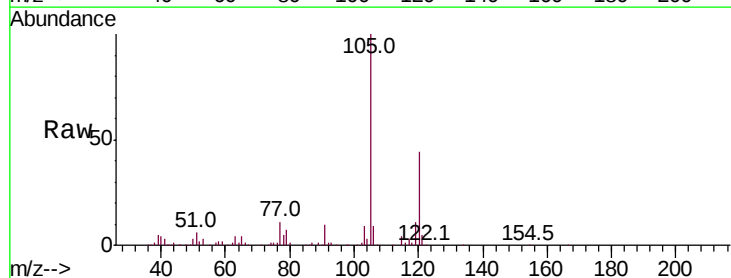
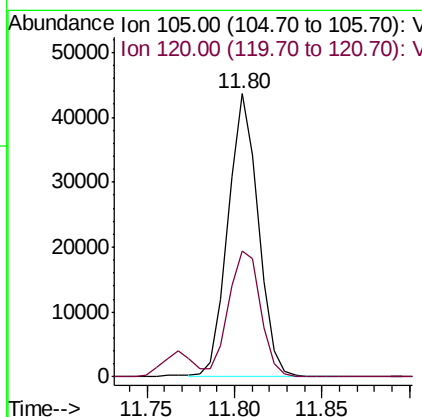
RT: 11.80 min Scan# 1747

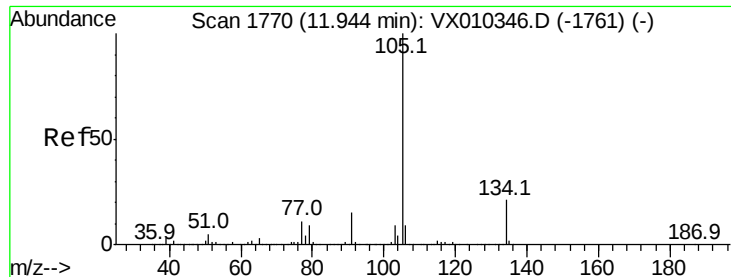
Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Tgt Ion:	105	Resp:	52486
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 4.665 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 62028

Ion Ratio Lower Upper

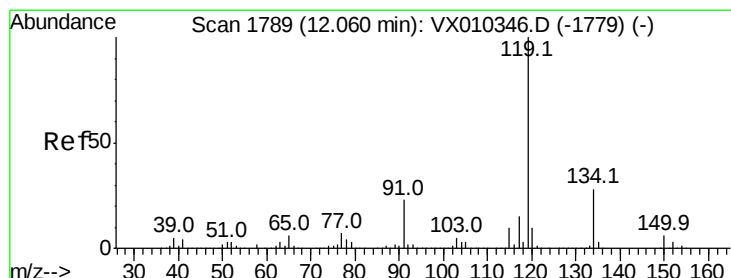
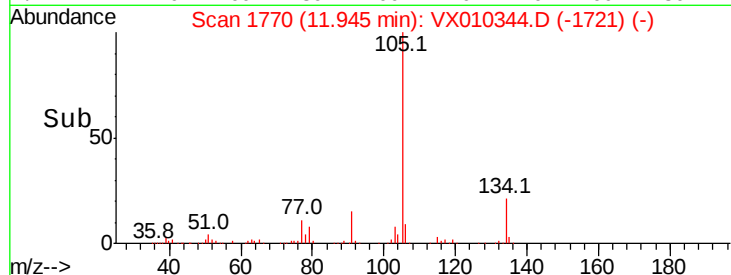
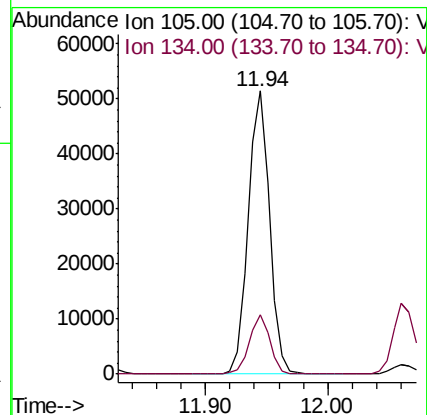
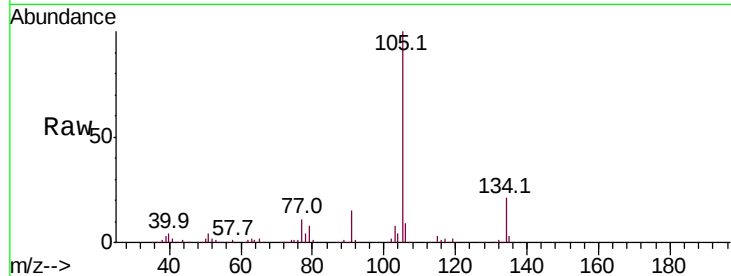
105 100

134 20.4 10.7 31.9

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6/20/2019 1:23:19 PM



#86

p-Isopropyltoluene

Concen: 4.640 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

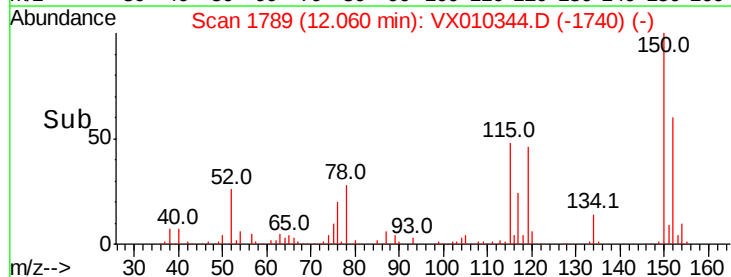
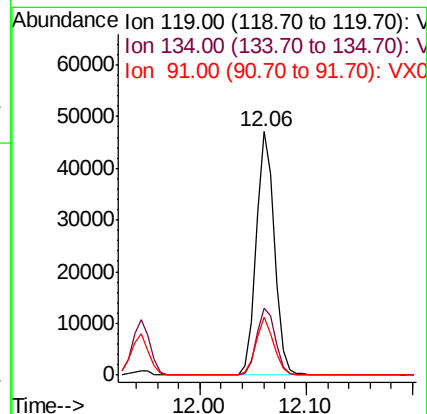
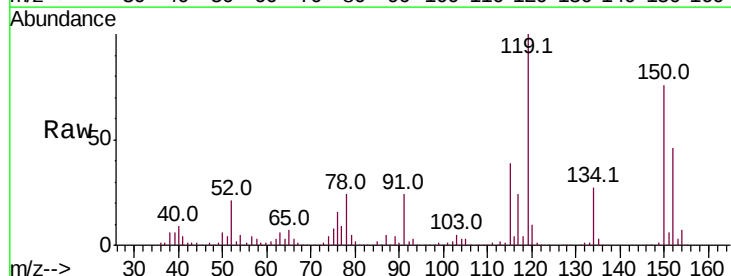
Tgt Ion:119 Resp: 56487

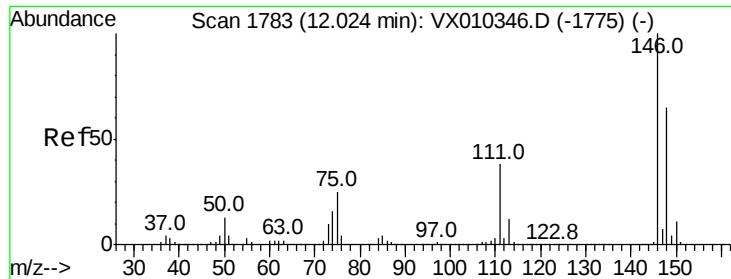
Ion Ratio Lower Upper

119 100

134 28.0 13.7 41.1

91 23.3 11.3 33.8





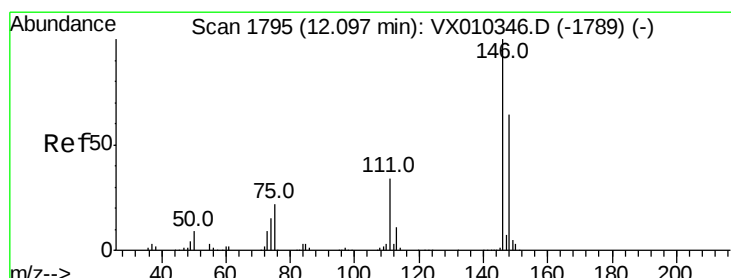
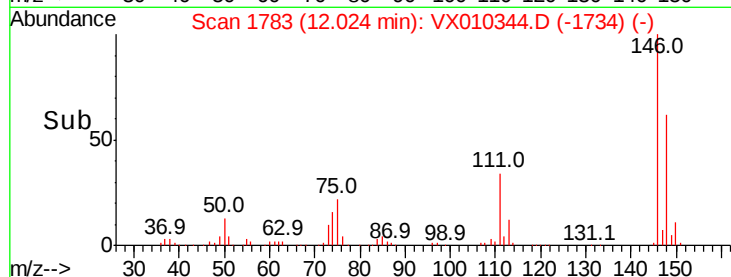
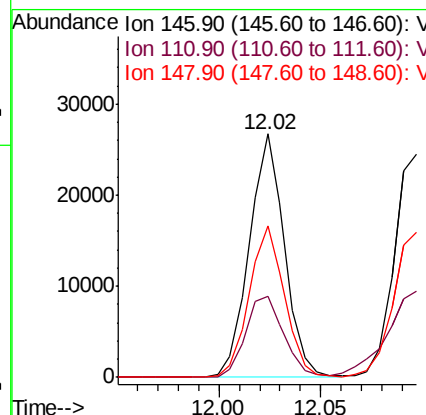
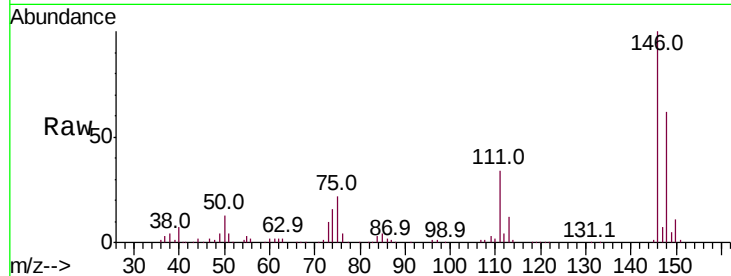
#87
 1,3-Dichlorobenzene
 Concen: 4.938 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	19.1	57.1
148	62.5	32.5	97.4

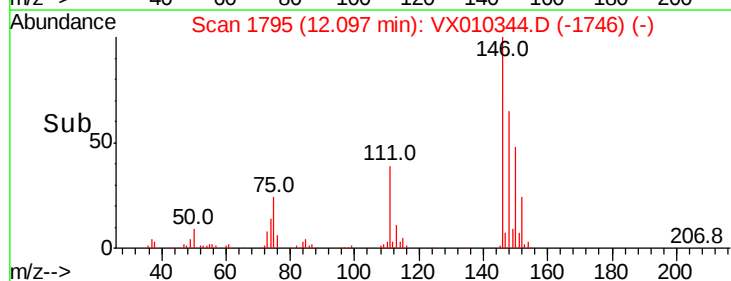
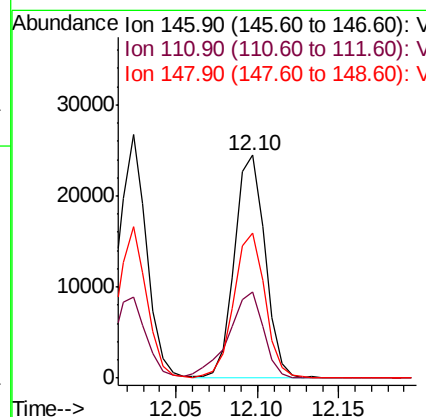
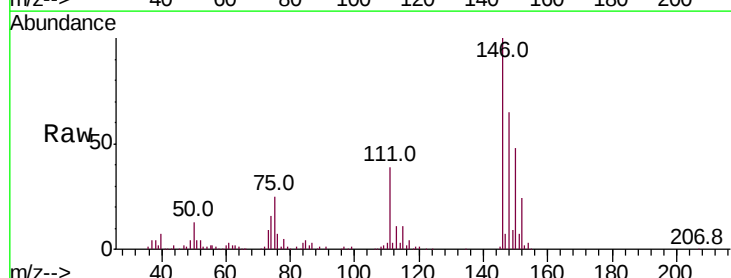
Manual Integrations
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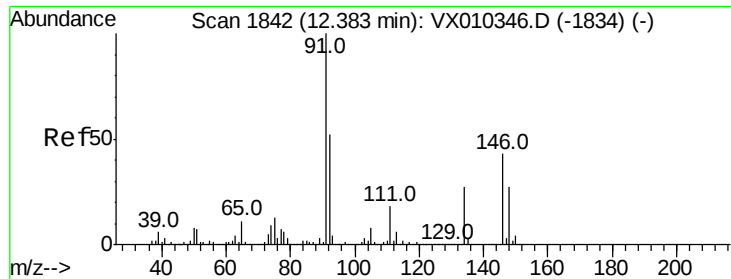
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#88
 1,4-Dichlorobenzene
 Concen: 4.890 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	18.1	54.3
148	66.7	32.1	96.3





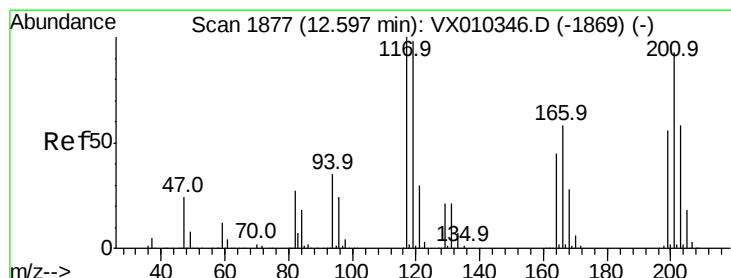
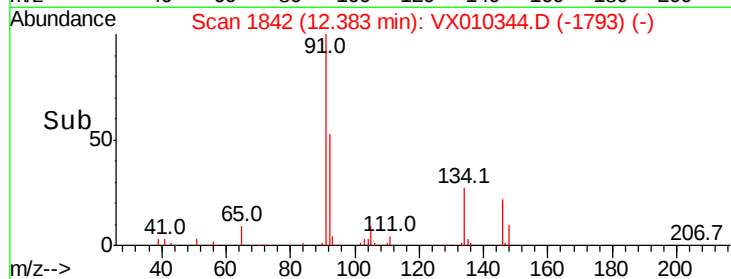
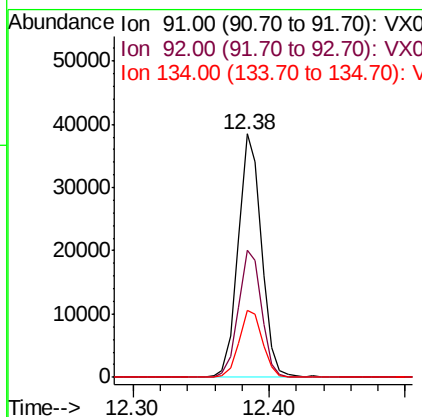
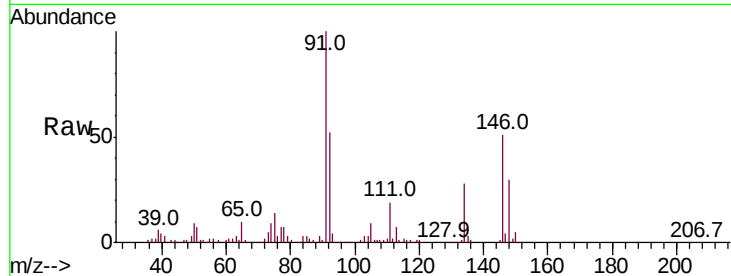
#89
n-Butylbenzene
Concen: 4.374 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	27.8	14.1	42.4

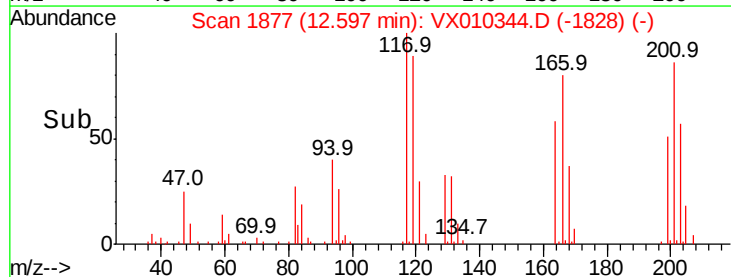
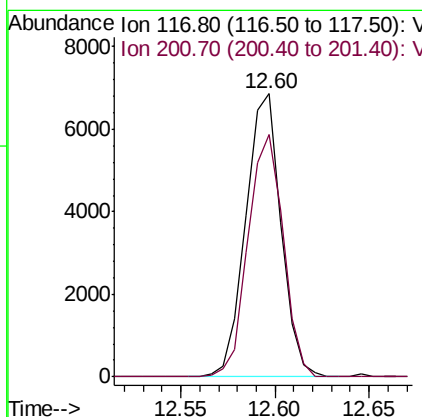
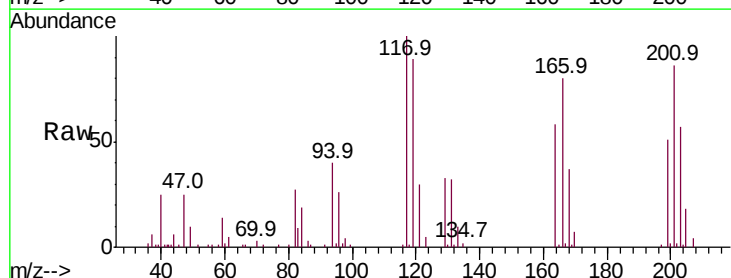
Manual Integrations
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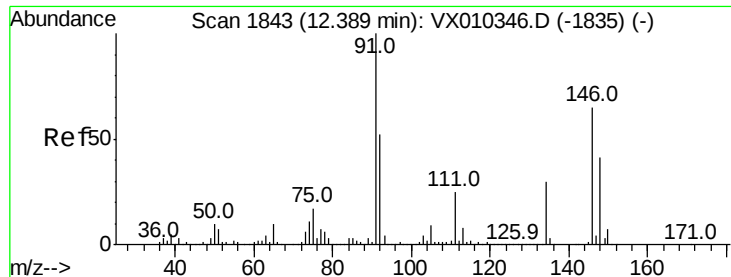
MMDadoda
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#90
Hexachloroethane
Concen: 3.727 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	44.0	131.8





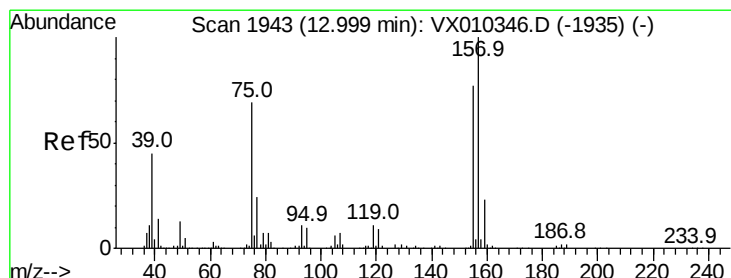
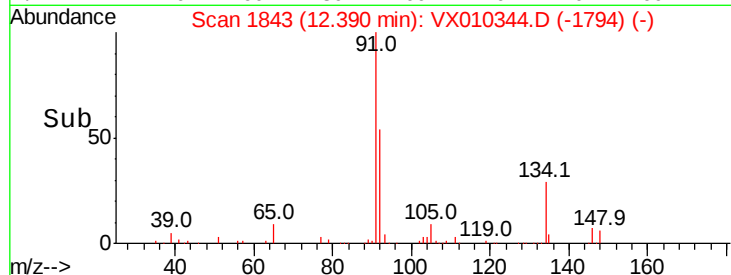
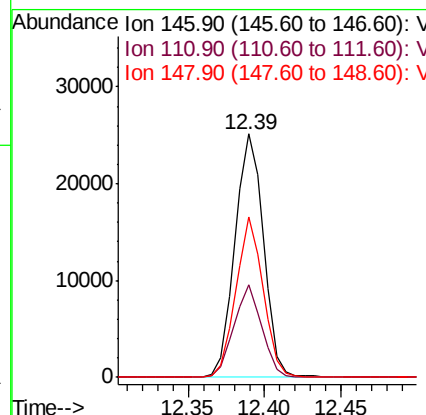
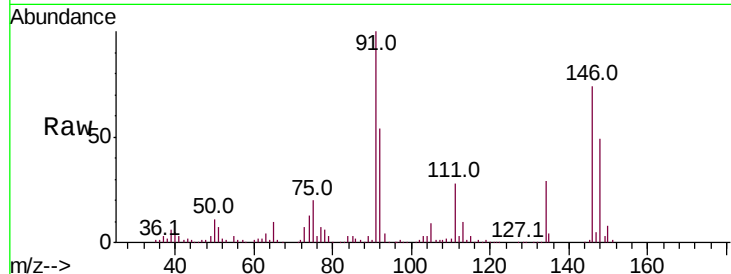
#91
 1,2-Dichlorobenzene
 Concen: 5.132 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.2	57.6
148	63.0	32.0	96.0

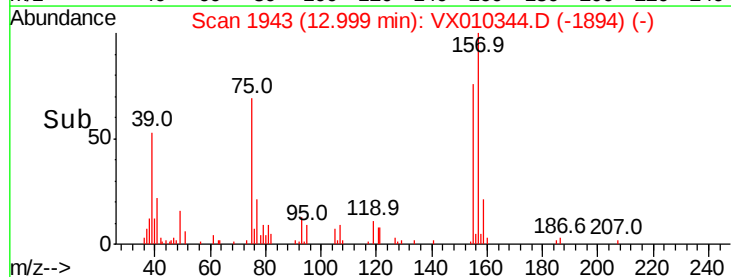
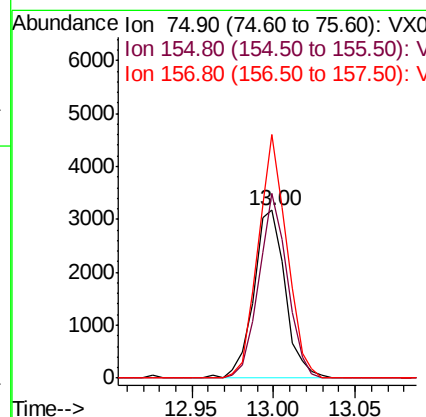
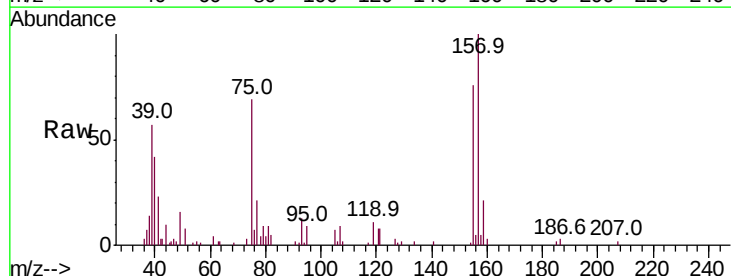
Manual Integrations
 APPROVED

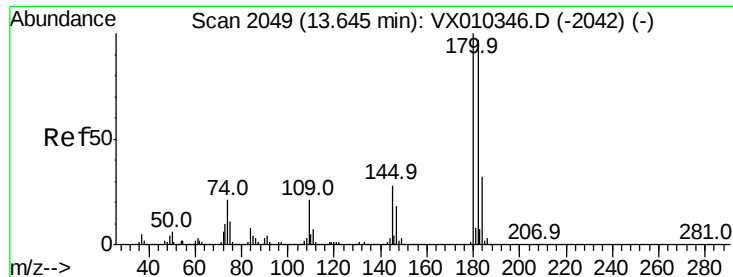
MMDadoda
 6/20/2019 1:23:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.035 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010344.D
 Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	54.4	163.1
157	131.9	69.5	208.3





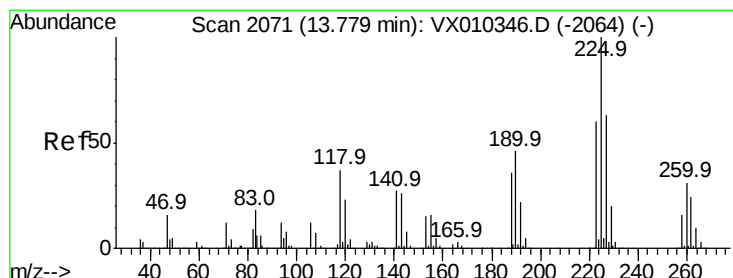
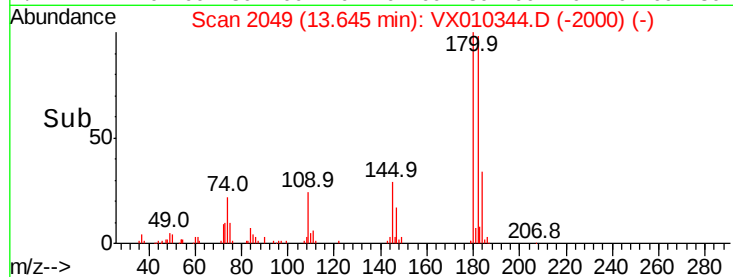
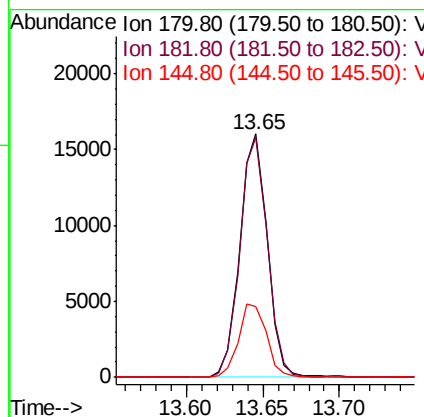
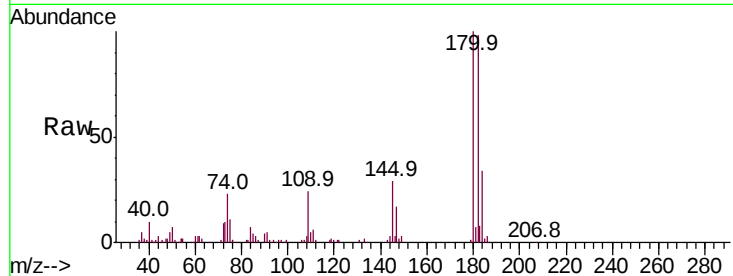
#93
1,2,4-Trichlorobenzene
Concen: 4.304 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	19915		
182	98.5	48.0	144.0	
145	30.5	14.4	43.4	

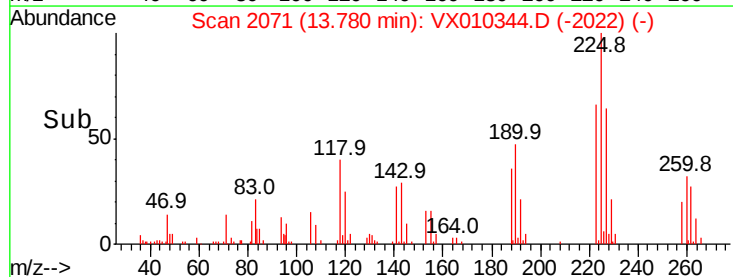
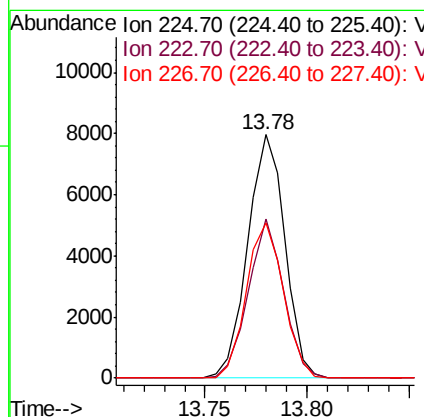
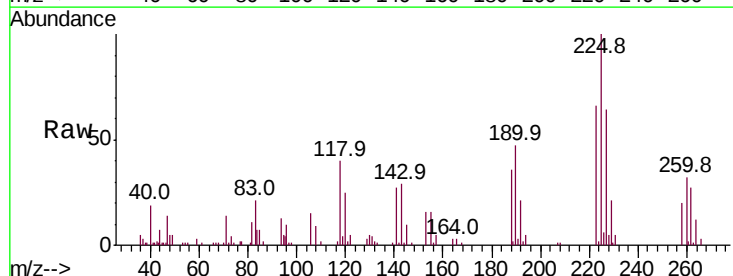
Manual Integrations
APPROVED

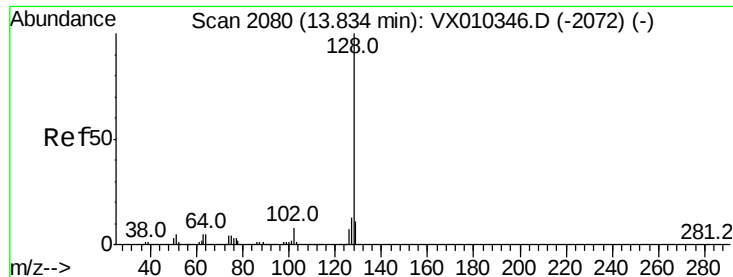
MMDadoda
6/20/2019 1:23:19 PM



#94
Hexachlorobutadiene
Concen: 4.826 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX010344.D
Acq: 19 Jun 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10082		
223	62.3	30.9	92.7	
227	63.4	31.9	95.5	





#95

Naphthalene

Concen: 4.279 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Instrument :

MSVOA_X

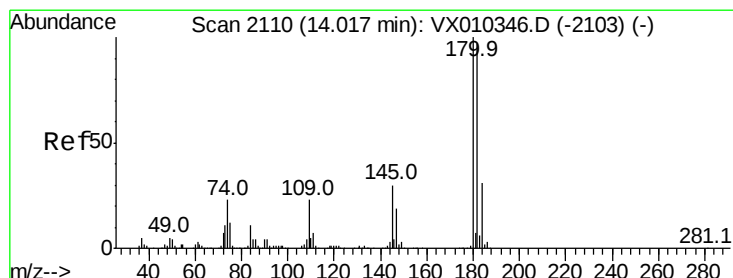
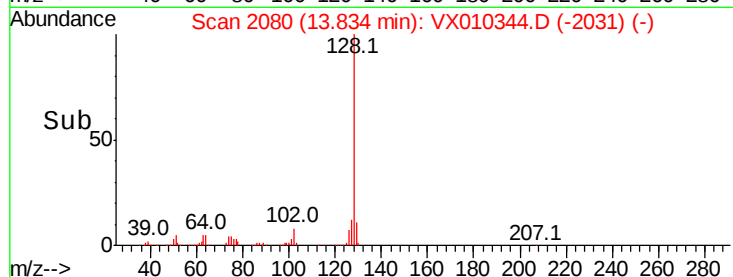
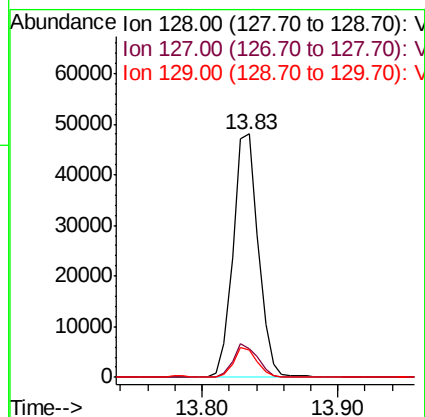
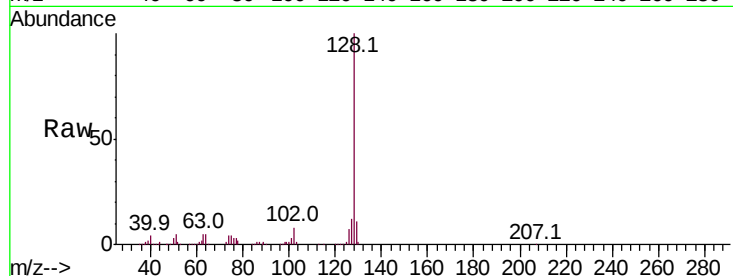
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	62069
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.4	8.9	13.3

Manual Integrations
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6/20/2019 1:23:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.664 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010344.D

Acq: 19 Jun 2019 12:41

Tgt Ion:	180	Resp:	21377
Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.8	143.3
145	31.5	15.2	45.6

