

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\
 Data File : VX015377.D
 Acq On : 27 Mar 2020 13:19
 Operator : JC/SP
 Sample : L1798-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Quant Time: Mar 30 01:41:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1172518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1804182	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1636363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	840190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	796626	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
35) Dibromofluoromethane	5.47	113	583633	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	8.70	98	2182734	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.12	95	881654	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
3) Chloromethane	1.31	50	570781	43.388	ug/l	100
5) Bromomethane	1.64	94	166401	26.003	ug/l	97
10) Methyl Iodide	2.50	142	98705	6.932	ug/l	99
11) Tert butyl alcohol	3.00	59	951	0.240	ug/l #	73
13) Acrolein	2.32	56	759	0.337	ug/l #	14
15) Acrylonitrile	3.17	53	43081	5.707	ug/l #	33
16) Acetone	2.42	43	1340218	188.638	ug/l	100
17) Carbon Disulfide	2.55	76	12144	0.360	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	4255136	99.111	ug/l	100
20) Methylene Chloride	2.84	84	6708	0.505	ug/l #	86
21) trans-1,2-Dichloroethene	3.16	96	2502	0.204	ug/l	88
24) 1,1-Dichloroethane	3.67	63	2612507	108.259	ug/l	99
25) 2-Butanone	4.64	43	1264652	110.683	ug/l	98
28) Bromochloromethane	5.19	49	111522	9.679	ug/l #	16
30) Chloroform	5.18	83	1246710	53.698	ug/l	95
32) 1,1,1-Trichloroethane	5.47	97	432558	20.587	ug/l	99
36) 1,1-Dichloropropene	5.64	75	84226	5.067	ug/l #	53
37) Ethyl Acetate	4.64	43	1264652	58.427	ug/l #	70
38) Carbon Tetrachloride	5.76	117	1342889	74.584	ug/l	97
40) Benzene	6.12	78	890657	18.291	ug/l	99
42) 1,2-Dichloroethane	6.11	62	7884	0.403	ug/l	91
44) Trichloroethene	7.19	130	44451	3.347	ug/l	87
46) Dibromomethane	7.64	93	279765	32.016	ug/l	99
47) Bromodichloromethane	7.88	83	715971	38.453	ug/l	98
49) 1,4-Dioxane	7.72	88	852	2.502	ug/l #	81
51) 4-Methyl-2-Pentanone	8.62	43	1460236	70.518	ug/l	99
52) Toluene	8.77	92	659703	21.974	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	1994414	91.331	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	690679	31.049	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	3903	0.317	ug/l #	56
57) 1,3-Dichloropropane	9.36	76	5731	0.259	ug/l #	80
58) 2-Chloroethyl Vinyl ether	8.42	63	4598	0.436	ug/l	95
59) 2-Hexanone	9.48	43	924321	59.124	ug/l	99
60) Dibromochloromethane	9.56	129	1142229	77.282	ug/l	98

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

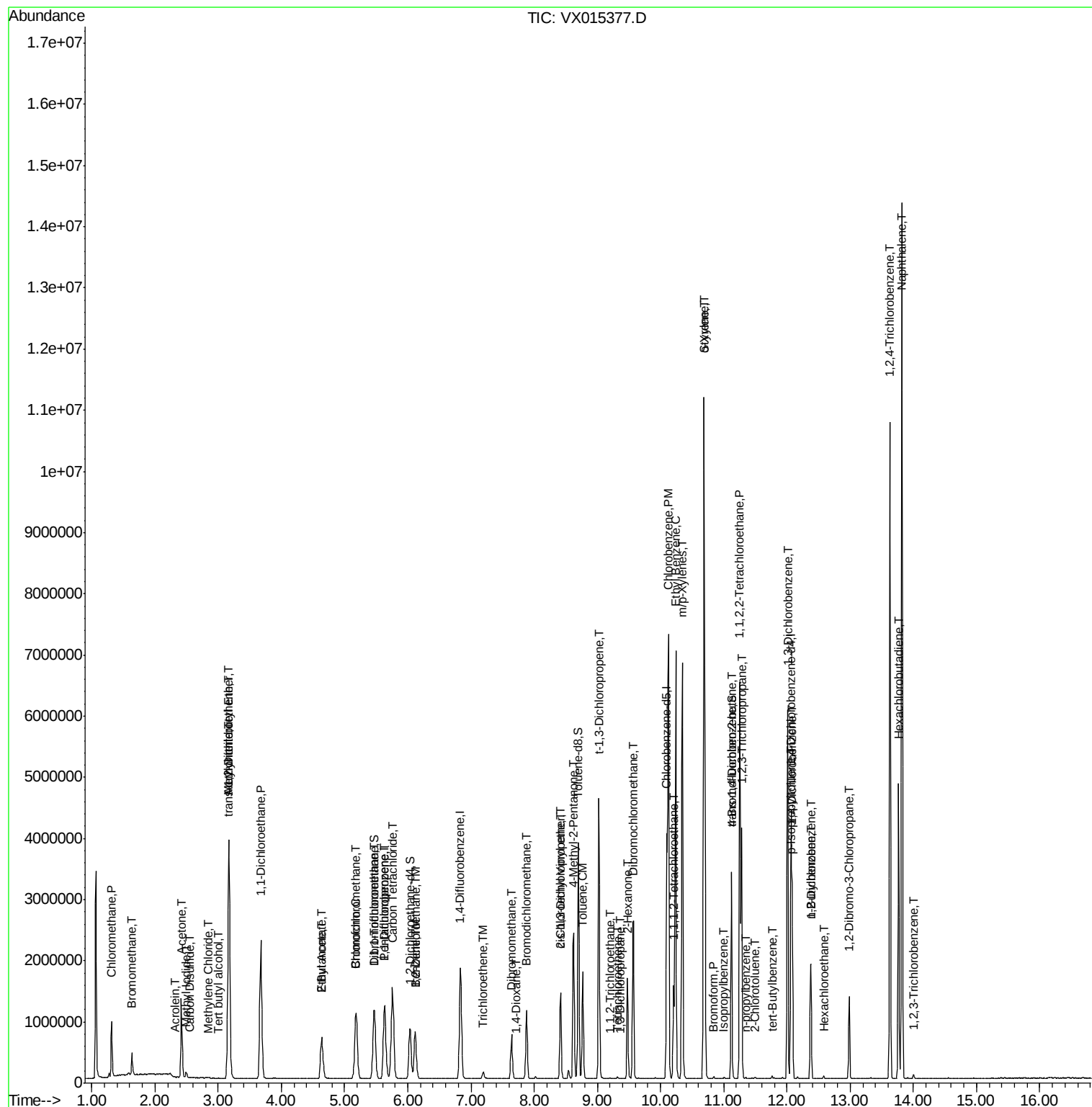
64) Tetrachloroethene	9.32	164	6295	0.510	ug/l	94
65) Chlorobenzene	10.12	112	3004580	92.069	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	358231	27.477	ug/l	98
67) Ethyl Benzene	10.24	91	3989343	68.925	ug/l	98
68) m/p-Xylenes	10.34	106	1564668	72.598	ug/l	100
69) o-Xylene	10.68	106	1664964	78.177	ug/l	99
70) Styrene	10.70	104	2784823	74.309	ug/l	99
71) Bromoform	10.84	173	11986	1.010	ug/l #	97
73) Isopropylbenzene	11.00	105	13444	0.244	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.25	83	2504910	132.605	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	1229323	71.150	ug/l	84
78) n-propylbenzene	11.35	91	12785	0.203	ug/l	90
79) 2-Chlorotoluene	11.50	91	8409	0.218	ug/l	78
81) trans-1,4-Dichloro-2-buten	11.12	75	439561	61.044	ug/l #	10
83) tert-Butylbenzene	11.76	119	10024	0.218	ug/l #	64
86) p-Isopropyltoluene	12.05	119	10347	0.210	ug/l #	68
87) 1,3-Dichlorobenzene	12.01	146	1961146	74.604	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	855751	31.959	ug/l	99
89) n-Butylbenzene	12.37	91	16831	0.378	ug/l	99
90) Hexachloroethane	12.58	117	7024	0.732	ug/l	90
91) 1,2-Dichlorobenzene	12.38	146	601613	23.385	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	257500	48.297	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	2521541	123.914	ug/l	96
94) Hexachlorobutadiene	13.76	225	728146	75.157	ug/l	96
95) Naphthalene	13.82	128	8484992	136.696	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	17003	0.868	ug/l	90

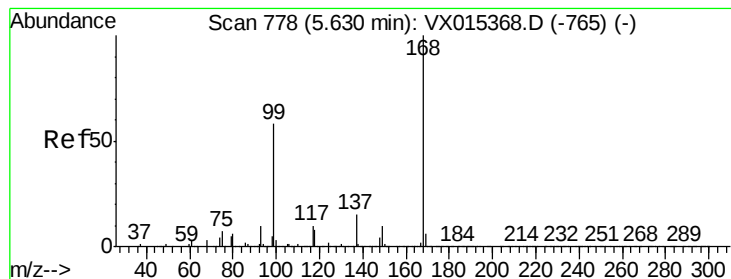
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

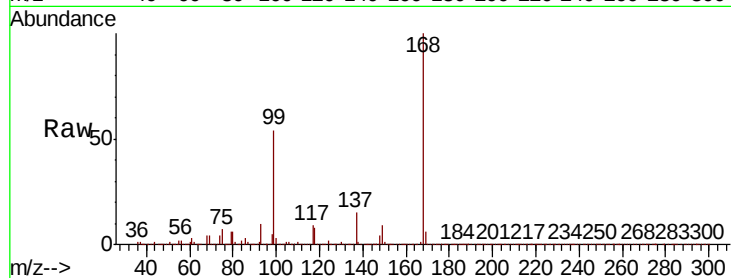
PT-VOA-WP

Tot Ion:168 Resp: 1172518

Ion Ratio Lower Upper

168 100

99 53.6 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

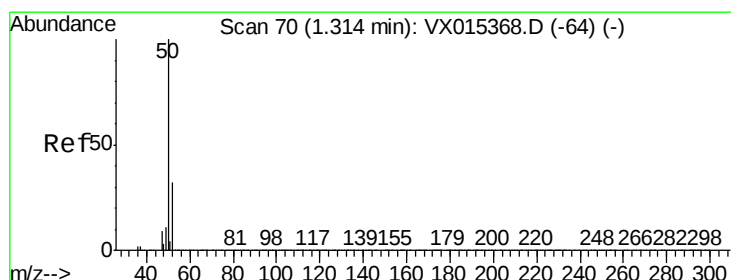
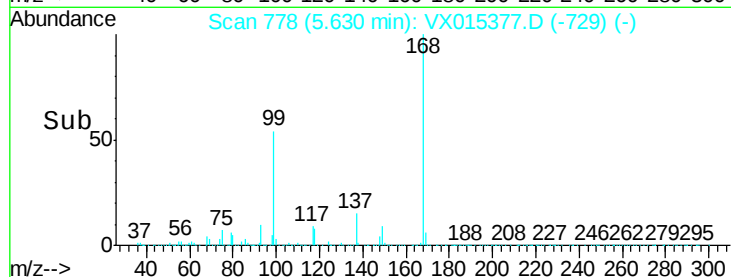
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 43.388 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015377.D

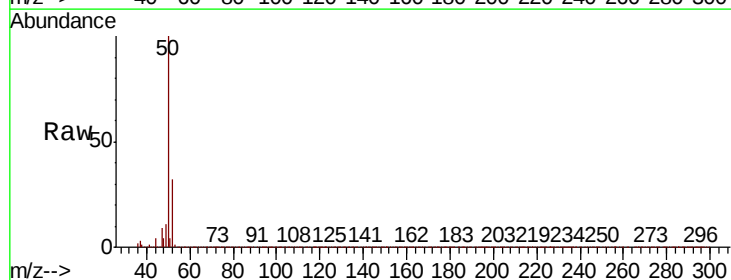
Acq: 27 Mar 2020 13:19

Tgt Ion: 50 Resp: 570781

Ion Ratio Lower Upper

50 100

52 31.9 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600000

500000

400000

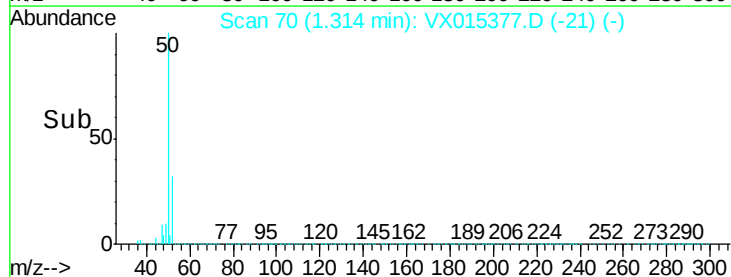
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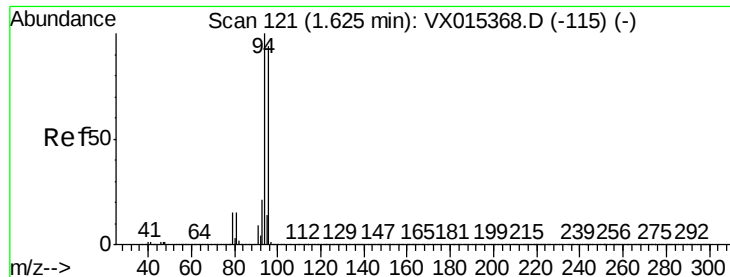
200000

100000

0

Time-->





#5

Bromomethane

Concen: 26.003 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

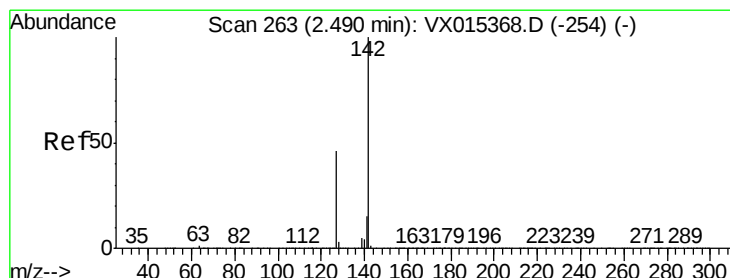
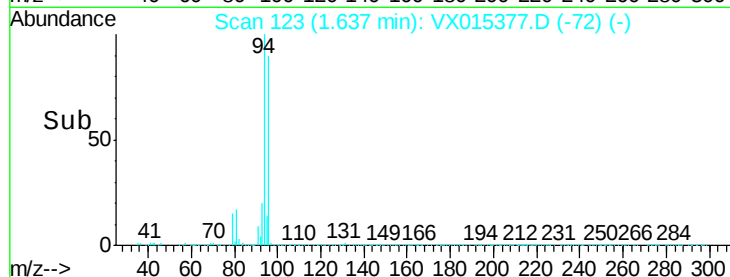
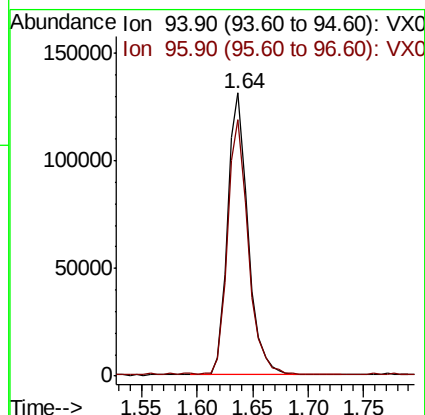
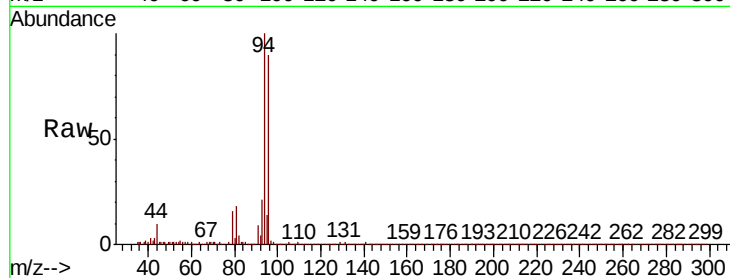
PT-VOA-WP

Tot Ion: 94 Resp: 166401

Ion Ratio Lower Upper

94 100

96 90.2 74.8 112.2



#10

Methyl Iodide

Concen: 6.932 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

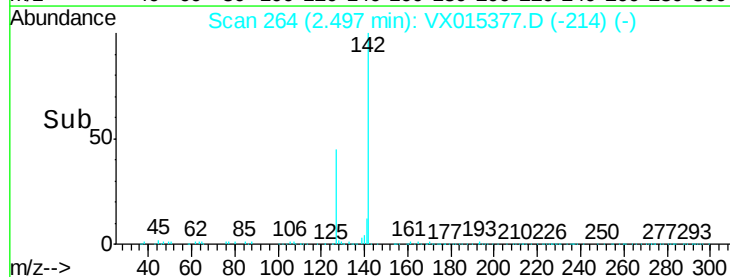
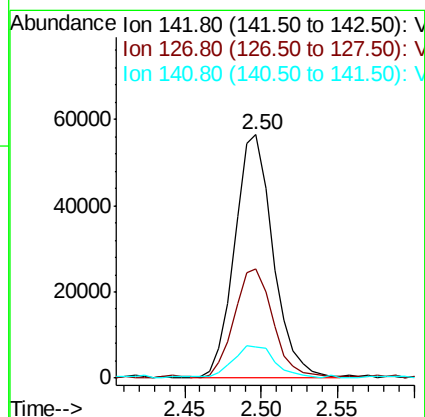
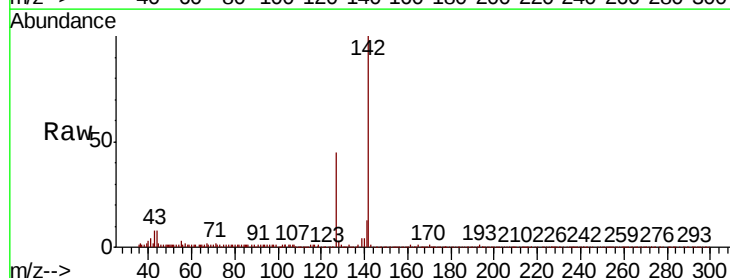
Tgt Ion: 142 Resp: 98705

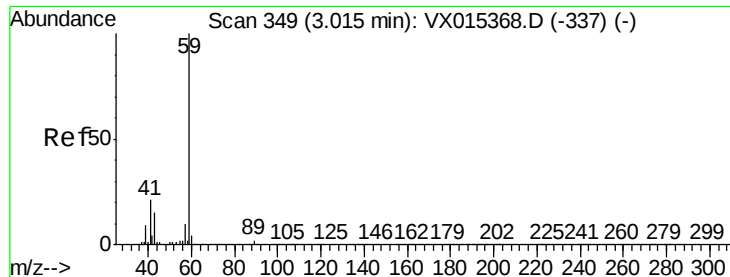
Ion Ratio Lower Upper

142 100

127 44.6 35.9 53.9

141 14.9 11.6 17.4

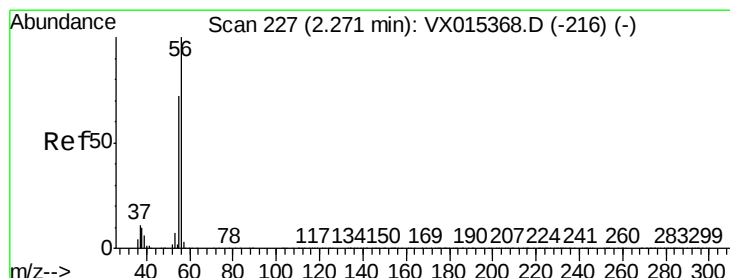
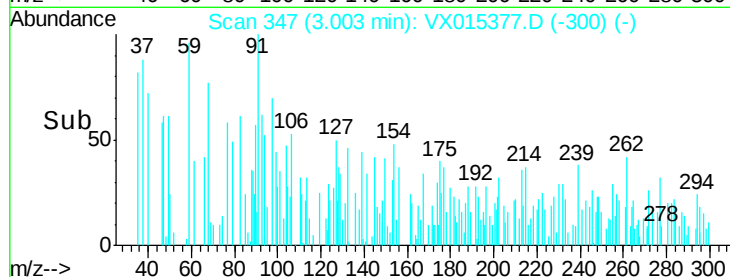
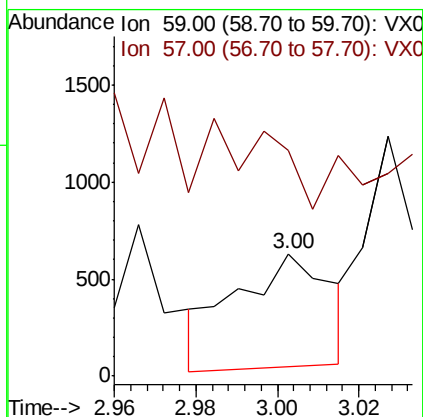
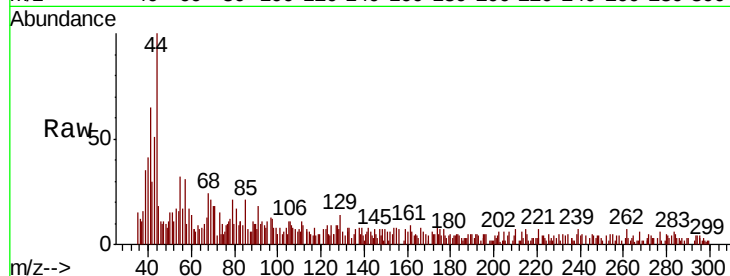




#11
Tert butyl alcohol
Concen: 0.240 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

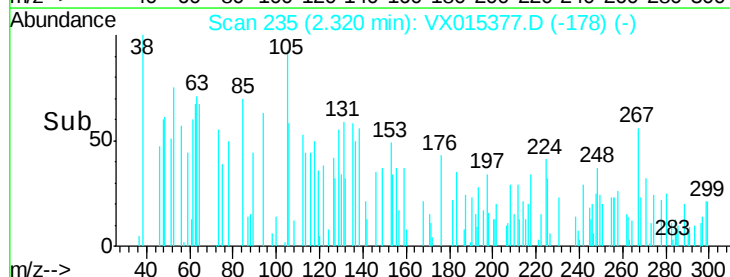
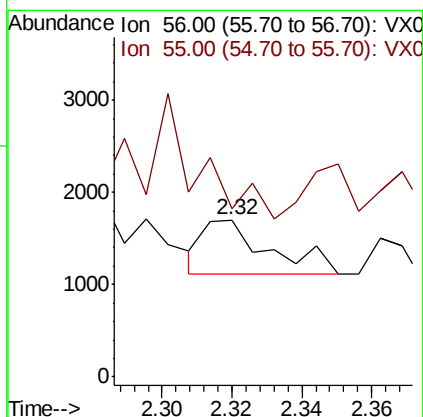
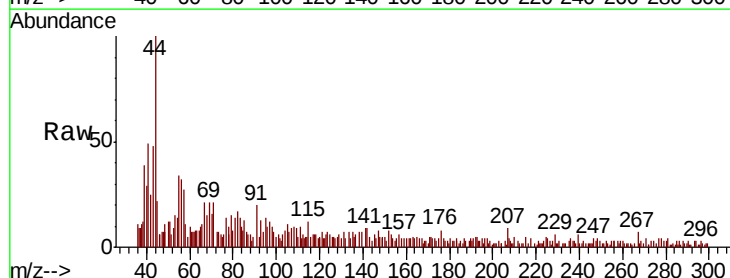
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

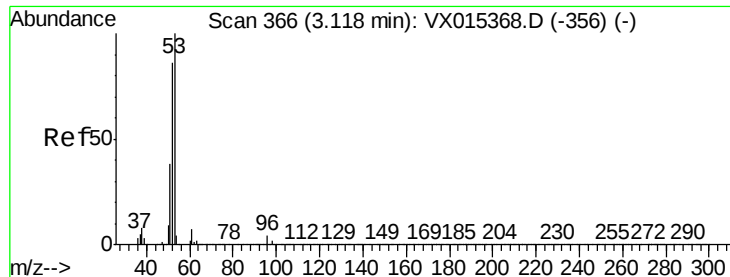
Tot Ion: 59 Resp: 951
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.337 ug/l
RT: 2.32 min Scan# 235
Delta R.T. 0.05 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion: 56 Resp: 759
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 5.707 ug/l

RT: 3.17 min Scan# 375

Delta R.T. 0.05 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

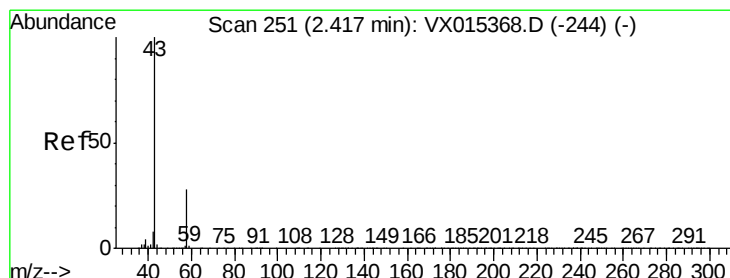
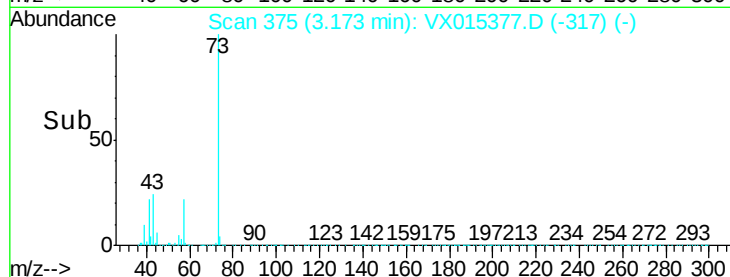
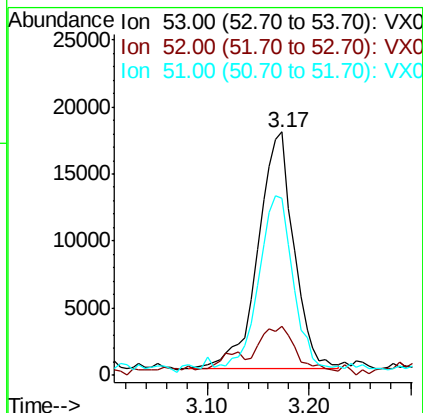
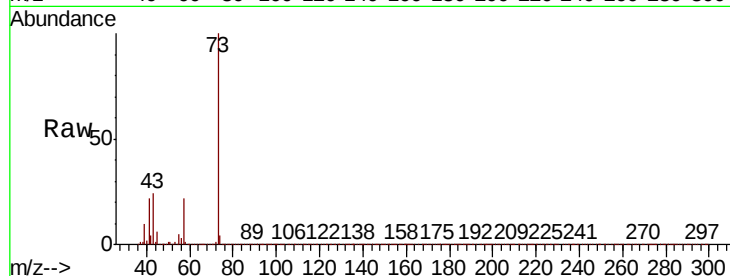
Tot Ion: 53 Resp: 43081

Ion Ratio Lower Upper

53 100

52 19.2 66.8 100.2#

51 70.2 29.5 44.3#



#16

Acetone

Concen: 188.638 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015377.D

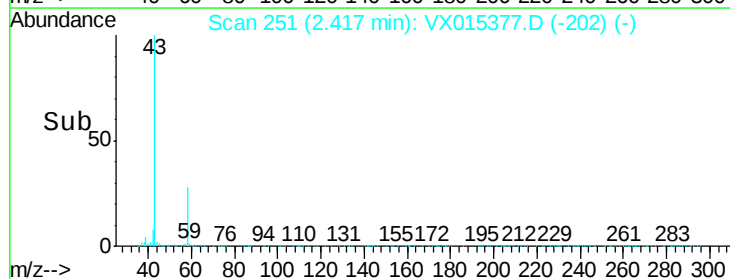
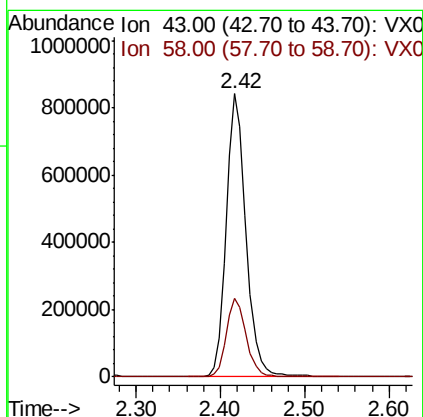
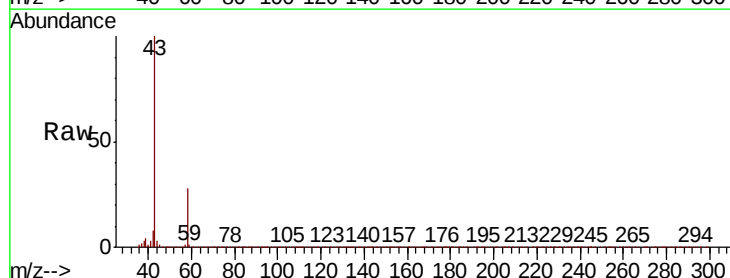
Acq: 27 Mar 2020 13:19

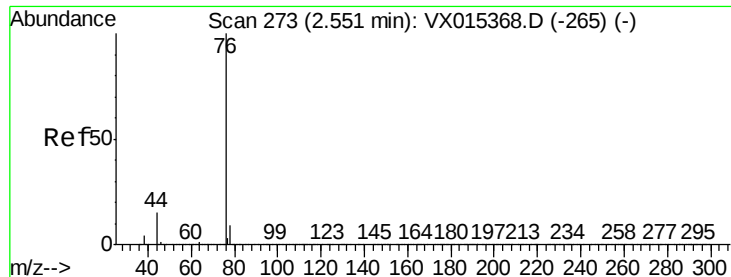
Tgt Ion: 43 Resp: 1340218

Ion Ratio Lower Upper

43 100

58 27.7 22.1 33.1

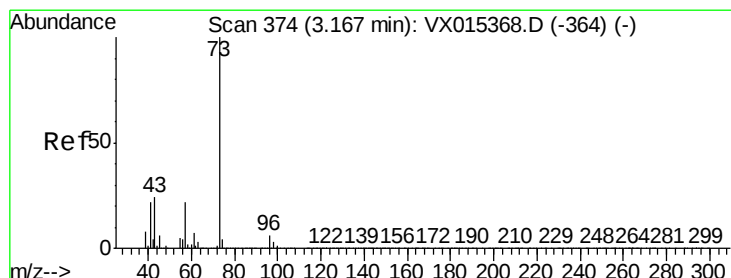
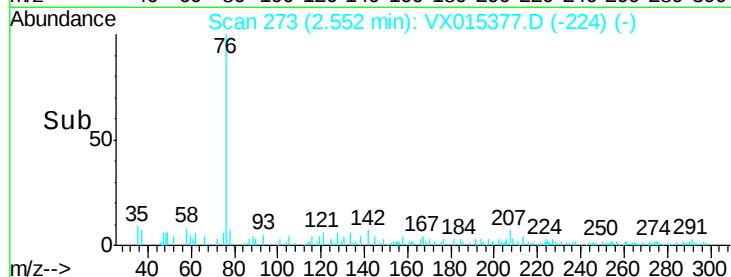
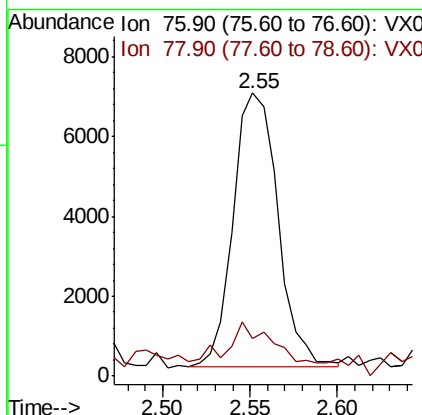
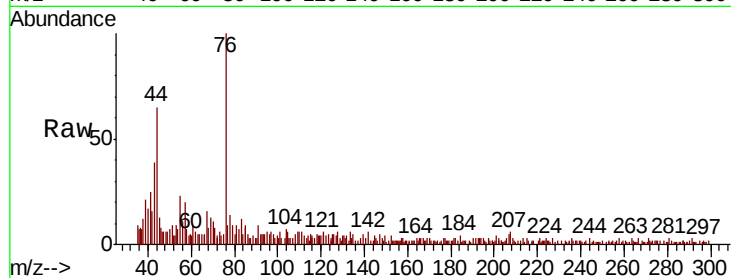




#17
Carbon Disulfide
Concen: 0.360 ug/l
RT: 2.55 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

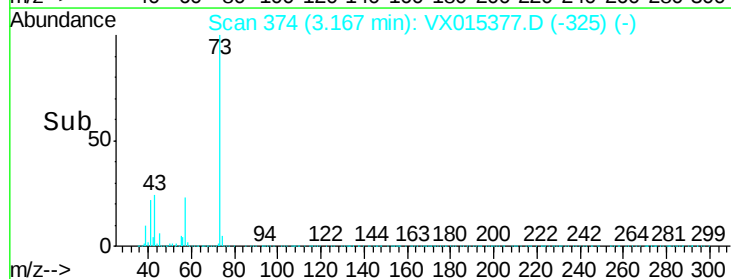
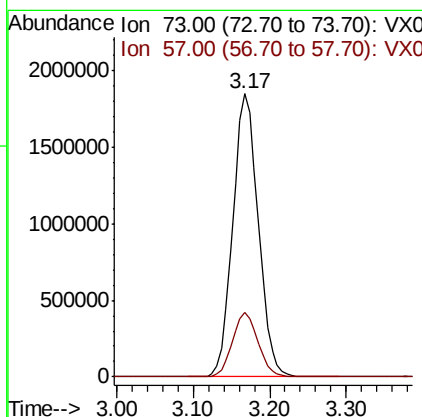
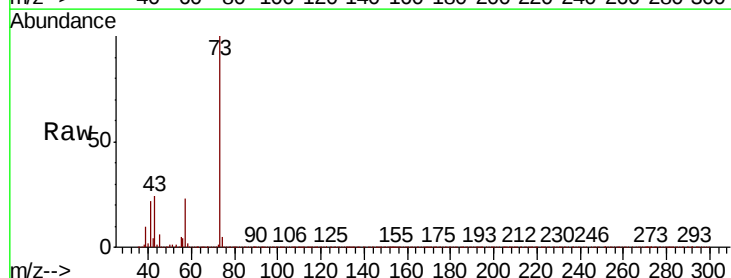
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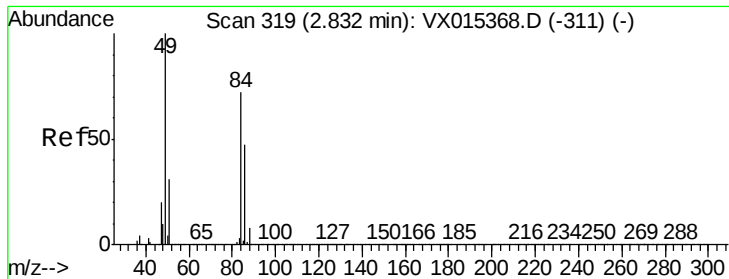
Tot Ion: 76 Resp: 12144
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#19
Methyl tert-butyl Ether
Concen: 99.111 ug/l
RT: 3.17 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion: 73 Resp: 4255136
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

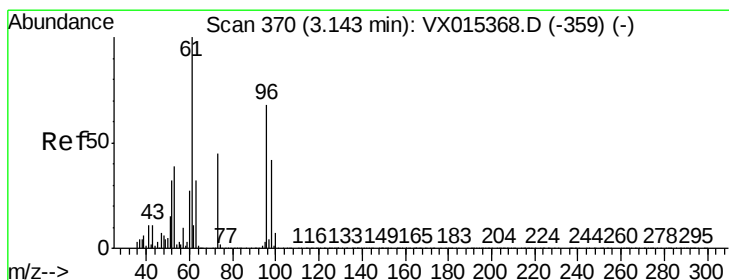
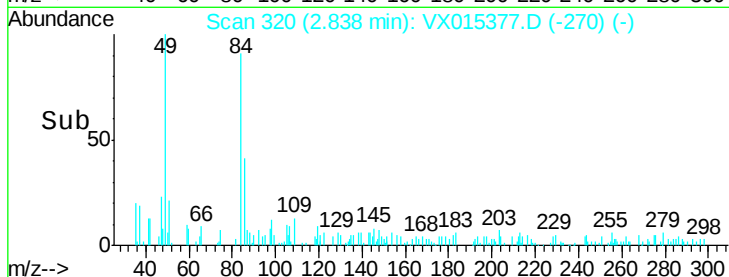
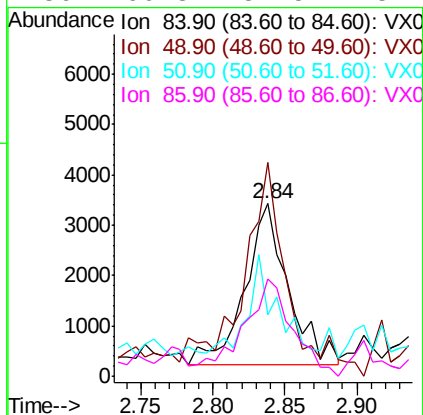
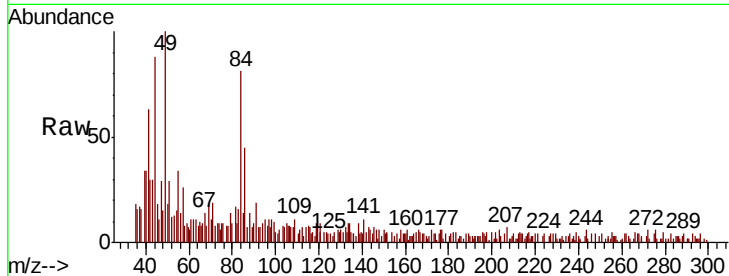




#20
Methvlene Chloride
Concen: 0.505 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

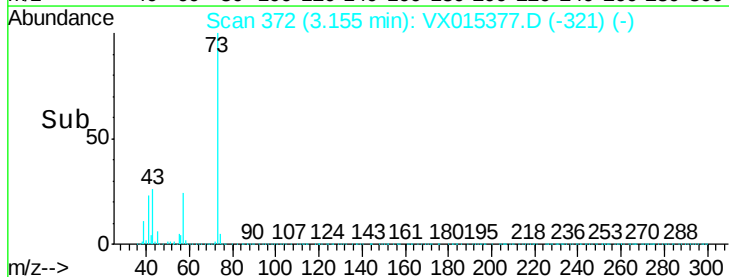
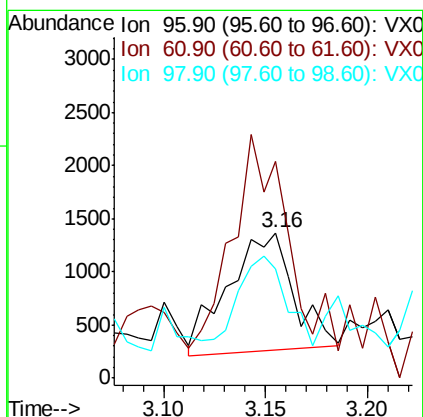
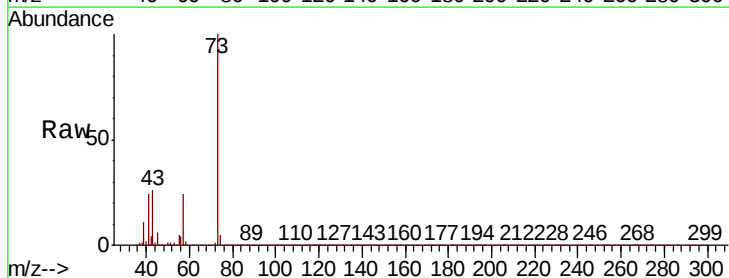
Instrument :
MSVOA_X
ClientSampled :
PT-VOA-WP

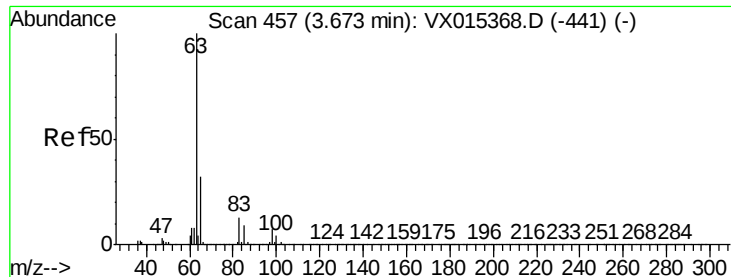
Tot Ion: 84 Resp: 6708
Ion Ratio Lower Upper
84 100
49 122.4 111.3 166.9
51 26.9 34.0 51.0#
86 60.3 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.204 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.01 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion: 96 Resp: 2502
Ion Ratio Lower Upper
96 100
61 167.8 116.9 175.3
98 60.4 48.6 73.0





#24

1,1-Dichloroethane

Concen: 108.259 ug/l

RT: 3.67 min Scan# 457

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

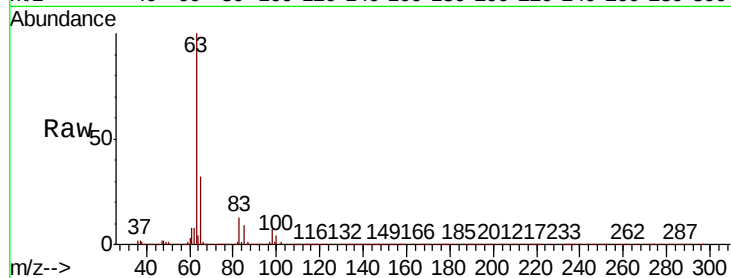
Tot Ion: 63 Resp: 2612507

Ion Ratio Lower Upper

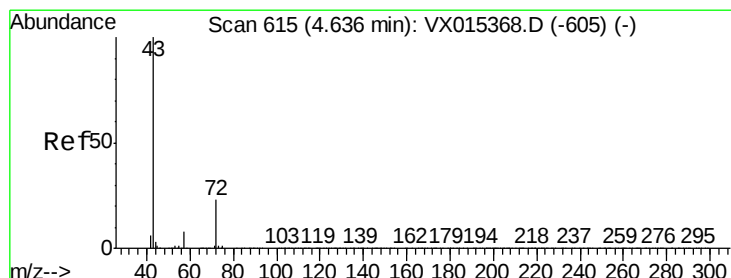
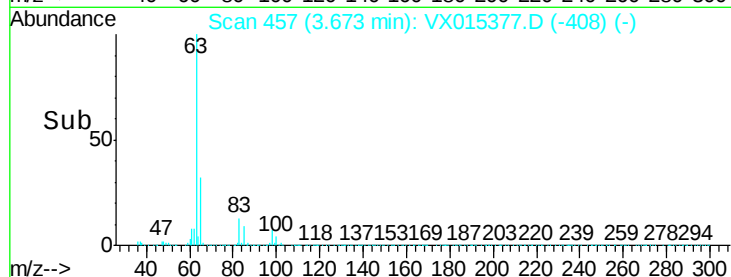
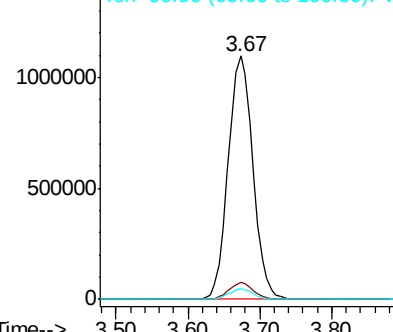
63 100

98 6.8 3.3 9.8

100 4.3 2.1 6.5



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: 110.683 ug/l

RT: 4.64 min Scan# 615

Delta R.T. 0.00 min

Lab File: VX015377.D

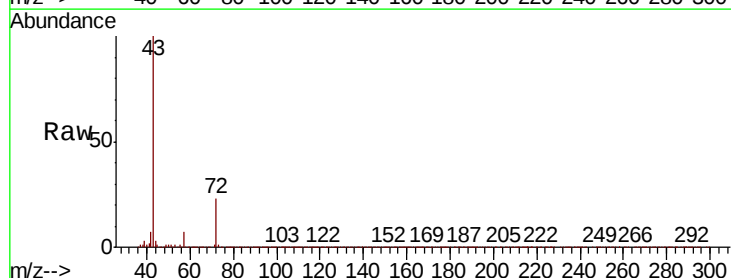
Acq: 27 Mar 2020 13:19

Tgt Ion: 43 Resp: 1264652

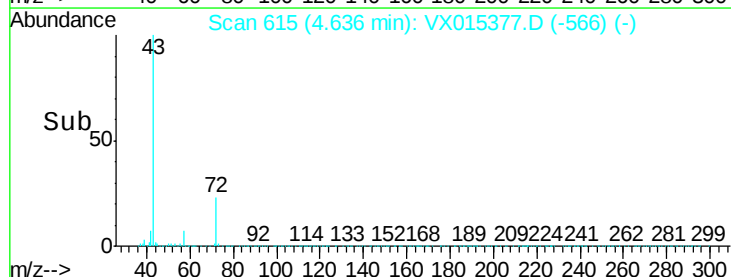
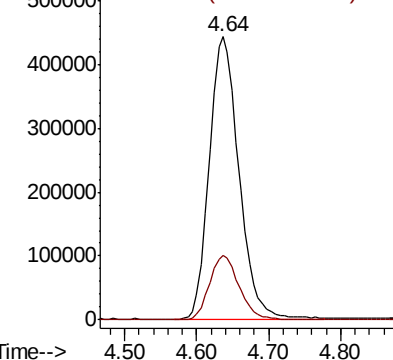
Ion Ratio Lower Upper

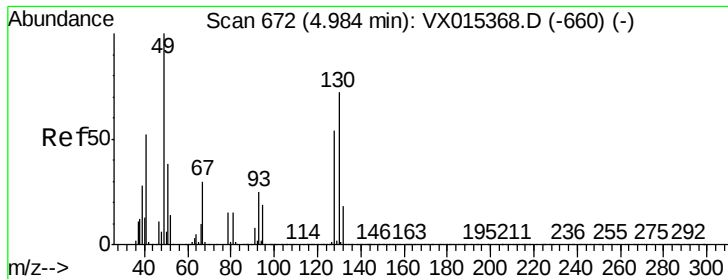
43 100

72 22.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 9.679 ug/l

RT: 5.19 min Scan# 705

Delta R.T. 0.20 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

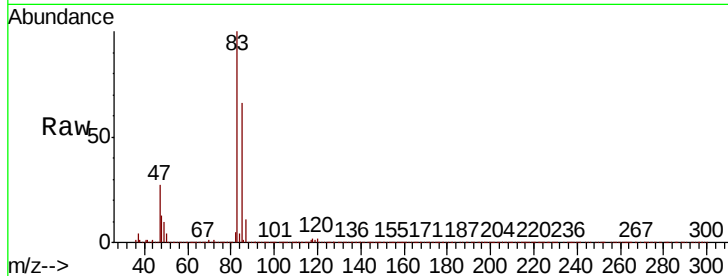
Tot Ion: 49 Resp: 111522

Ion Ratio Lower Upper

49 100

129 0.5 0.0 4.4

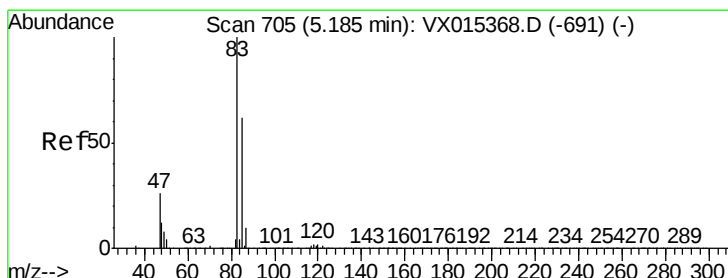
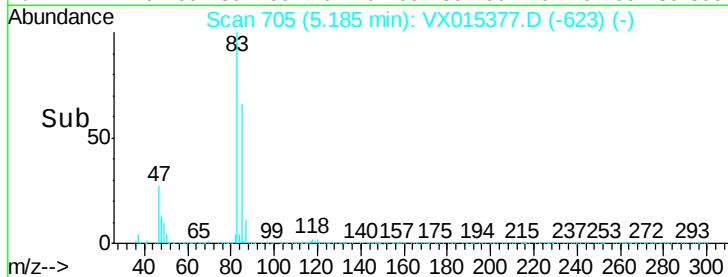
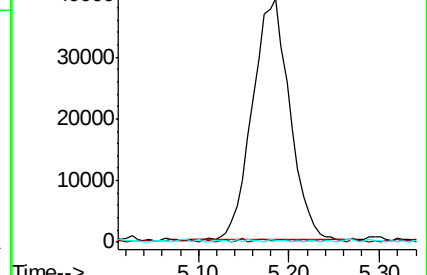
130 0.3 57.7 86.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 53.698 ug/l

RT: 5.18 min Scan# 704

Delta R.T. -0.01 min

Lab File: VX015377.D

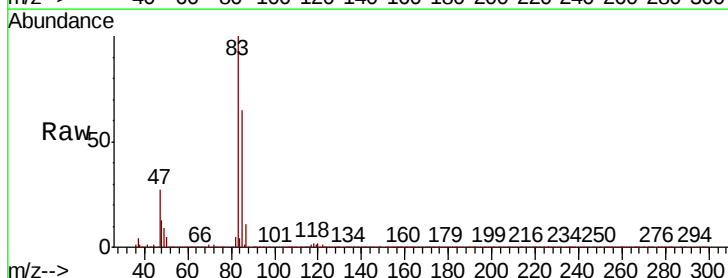
Acq: 27 Mar 2020 13:19

Tgt Ion: 83 Resp: 1246710

Ion Ratio Lower Upper

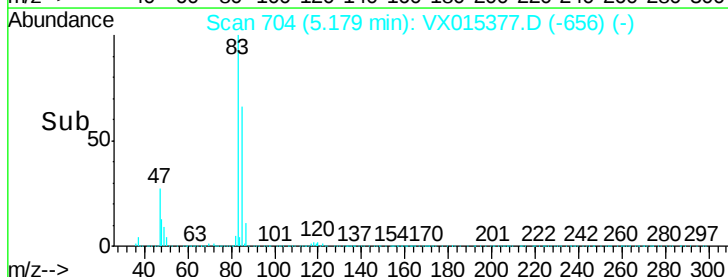
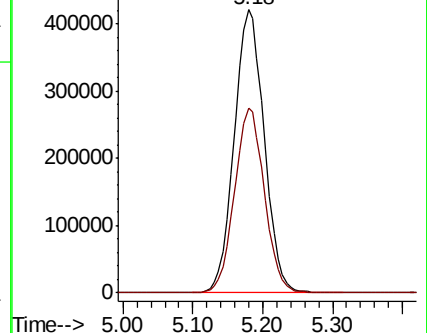
83 100

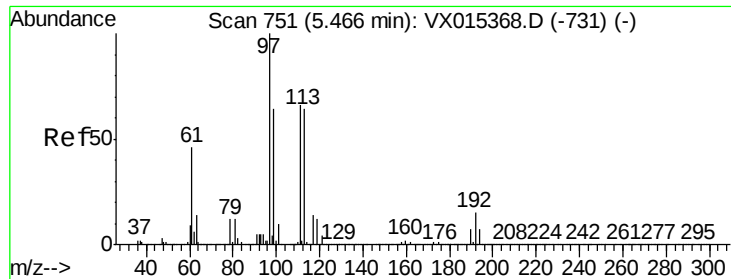
85 65.4 49.5 74.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 20.587 ug/l

RT: 5.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

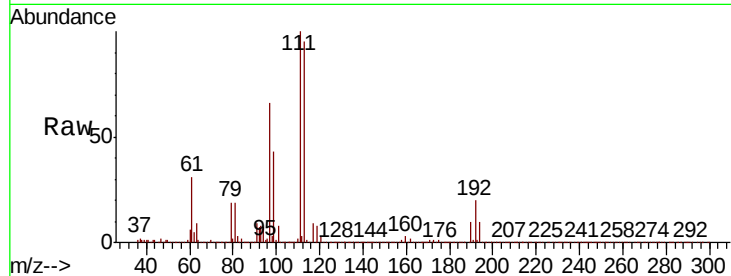
Tot Ion: 97 Resp: 432558

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

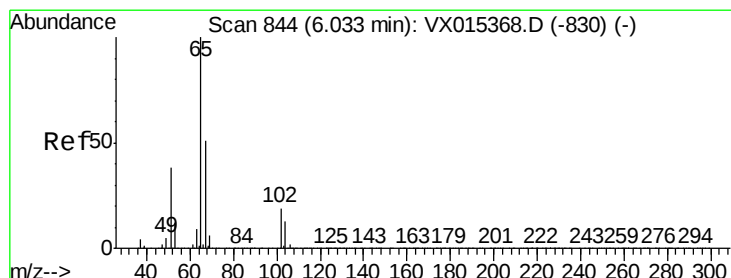
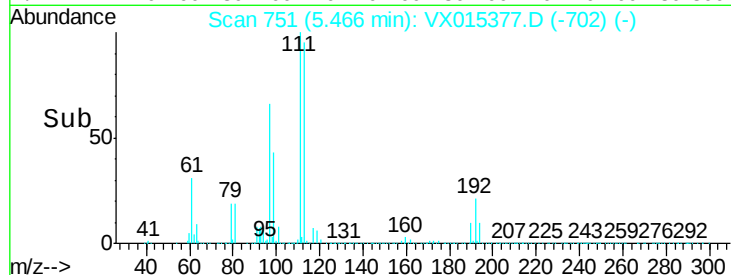
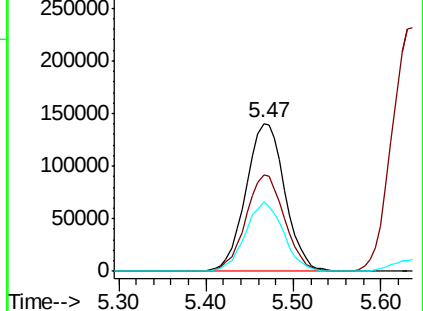
61 45.8 36.1 54.1



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.172 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015377.D

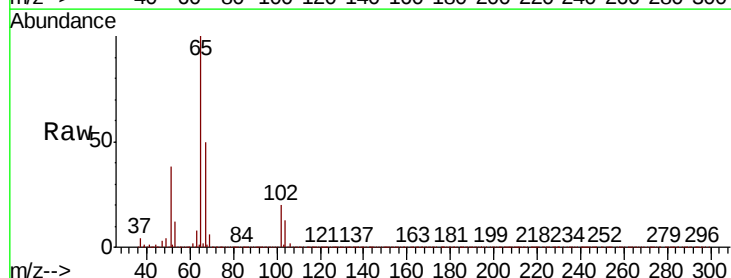
Acq: 27 Mar 2020 13:19

Tgt Ion: 65 Resp: 796626

Ion Ratio Lower Upper

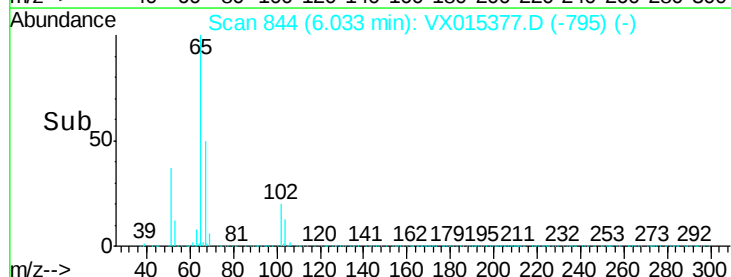
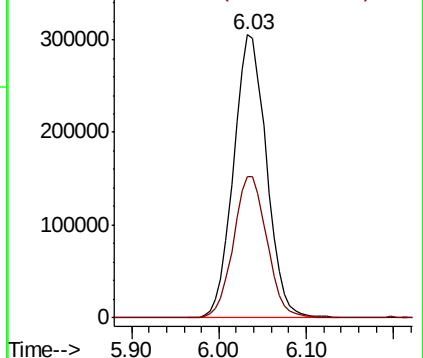
65 100

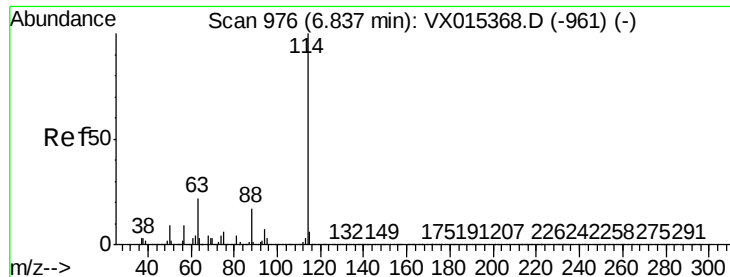
67 50.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

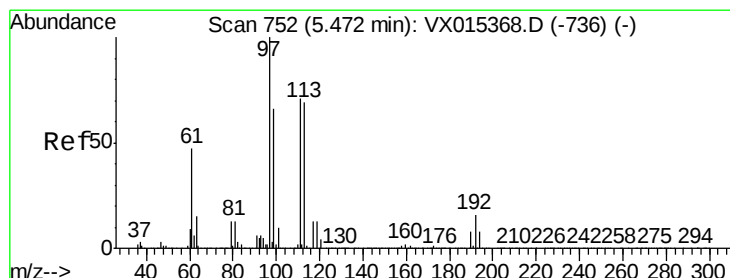
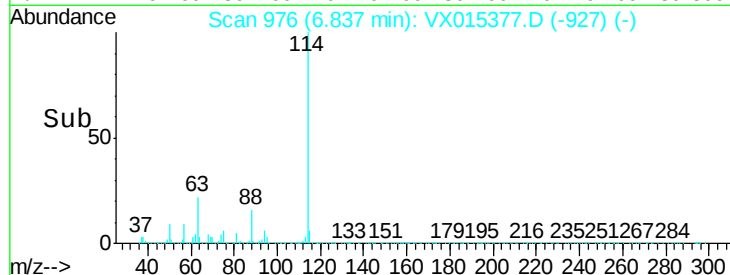
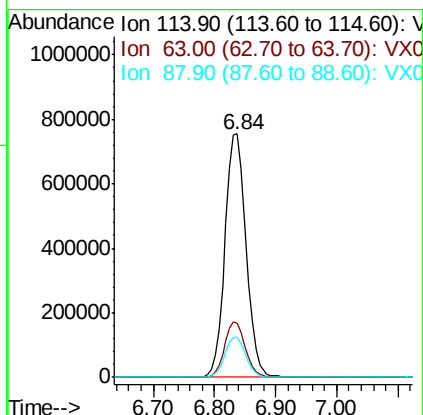
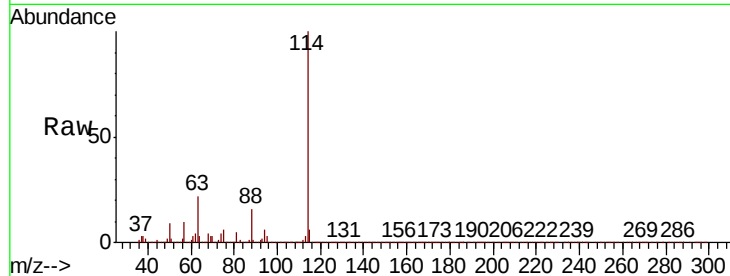




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

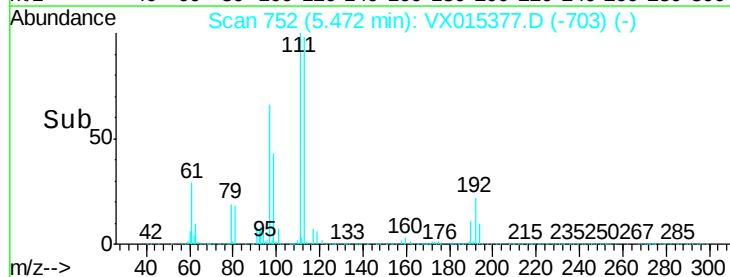
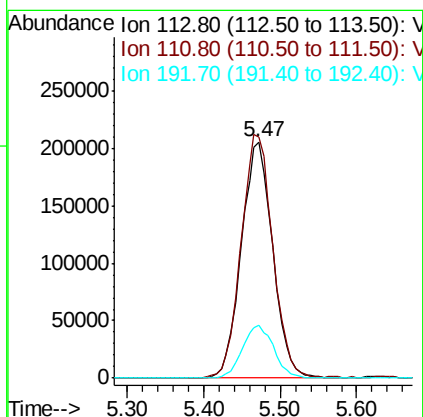
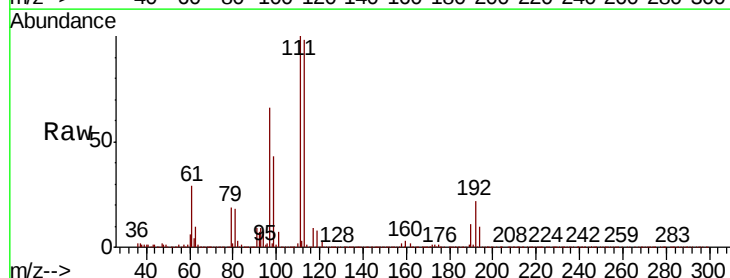
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

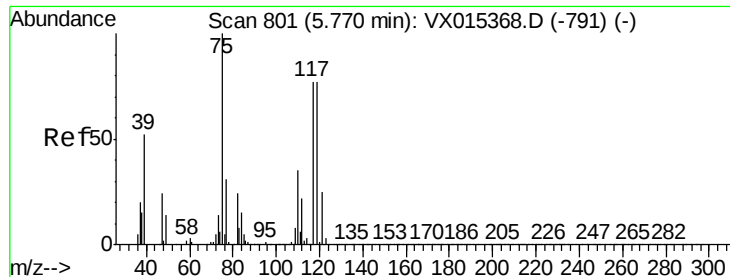
Tot Ion:114 Resp: 1804182
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.2
88 16.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 50.606 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion:113 Resp: 583633
Ion Ratio Lower Upper
113 100
111 104.0 81.5 122.3
192 22.5 17.8 26.6

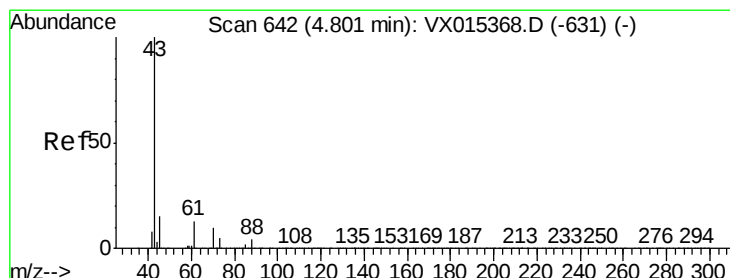
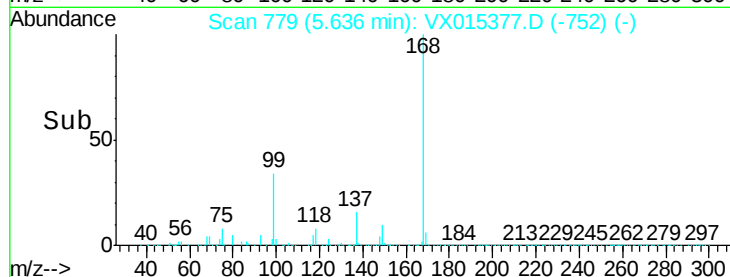
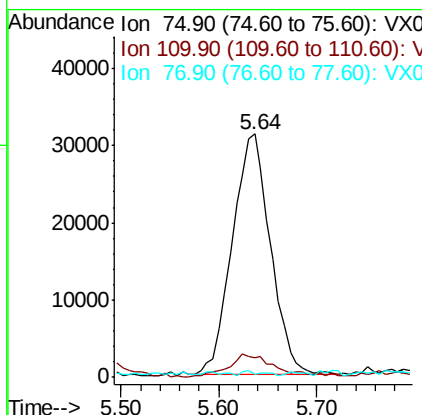
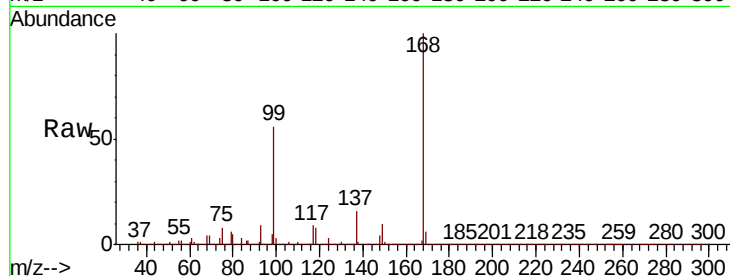




#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015377.D
 Acq: 27 Mar 2020 13:19

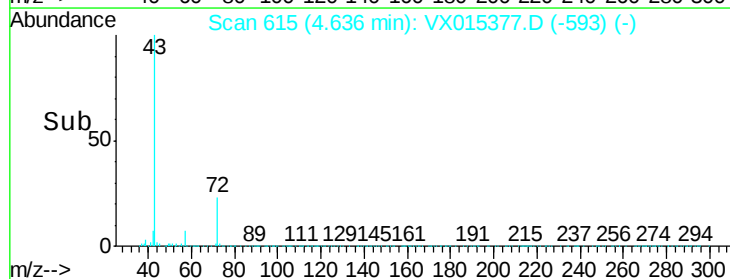
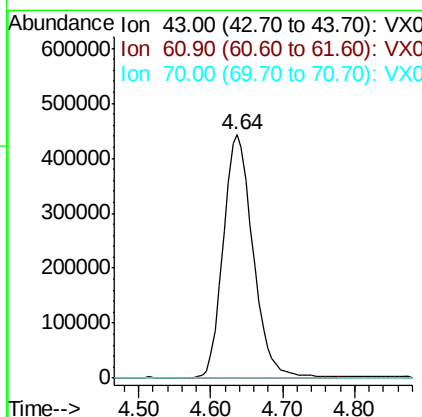
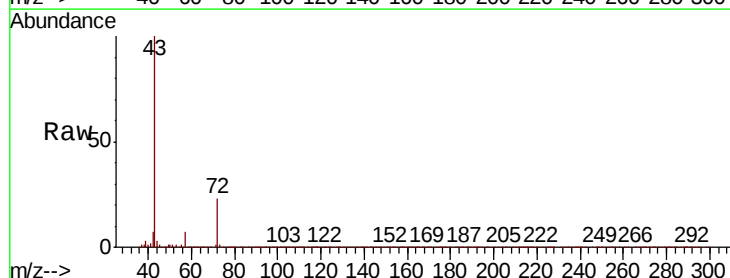
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

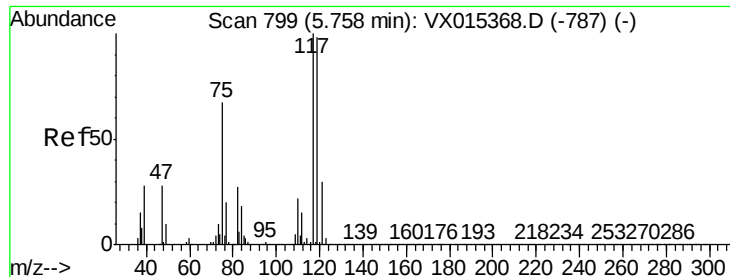
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.1	51.3#
77	0.8	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 58.427 ug/l
 RT: 4.64 min Scan# 615
 Delta R.T. -0.16 min
 Lab File: VX015377.D
 Acq: 27 Mar 2020 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	0.0	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 74.584 ug/l

RT: 5.76 min Scan# 799

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

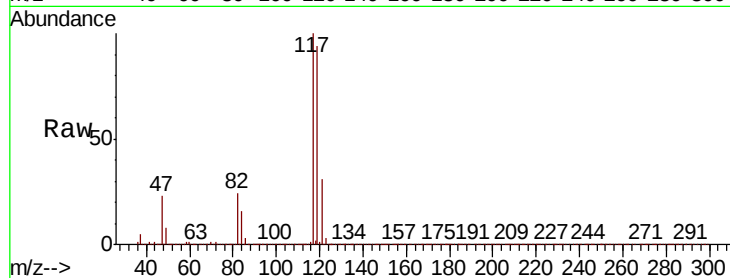
Tot Ion:117 Resp: 1342889

Ion Ratio Lower Upper

117 100

119 93.6 78.0 117.0

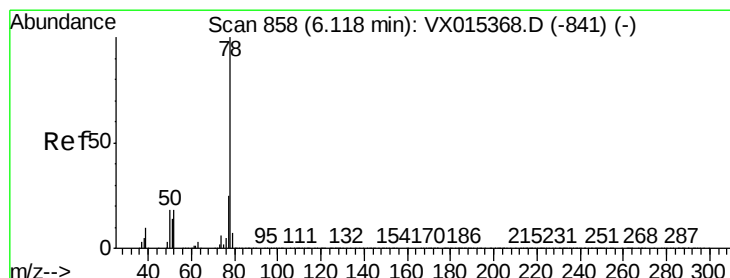
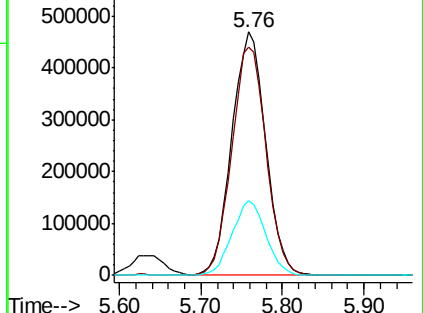
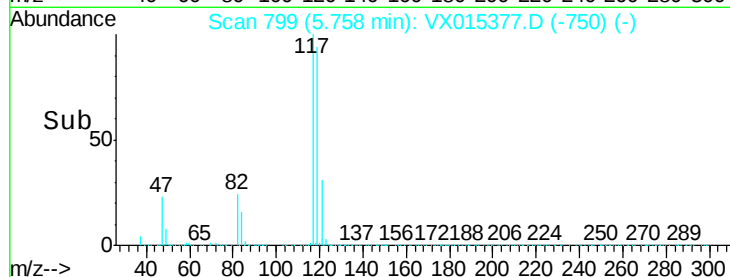
121 30.5 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 18.291 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015377.D

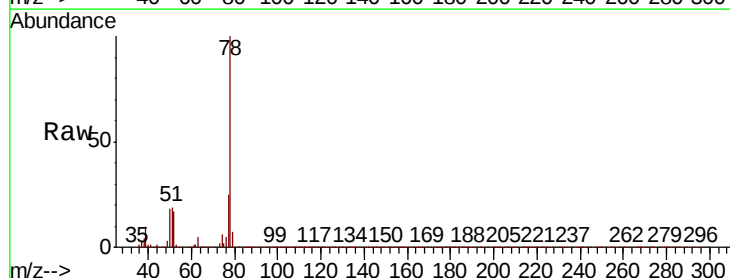
Acq: 27 Mar 2020 13:19

Tgt Ion: 78 Resp: 890657

Ion Ratio Lower Upper

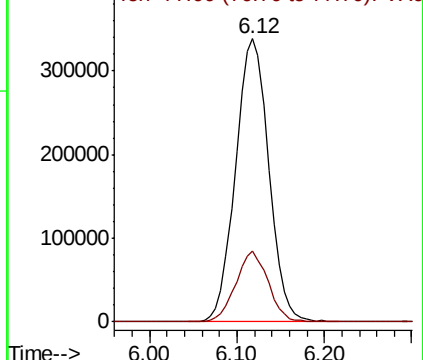
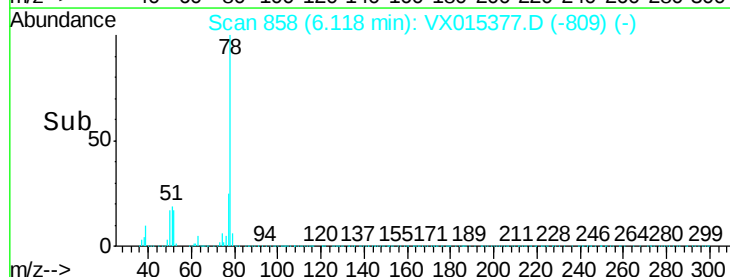
78 100

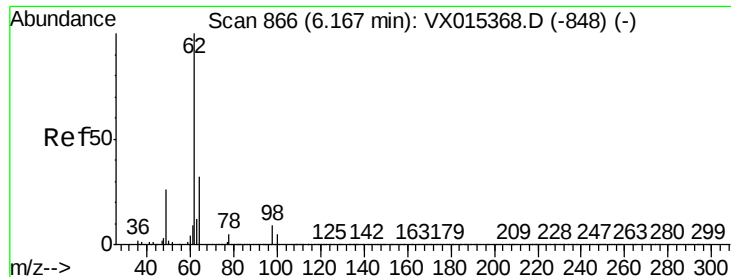
77 25.1 19.8 29.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#42

1,2-Dichloroethane

Concen: 0.403 ug/l

RT: 6.11 min Scan# 857

Delta R.T. -0.05 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

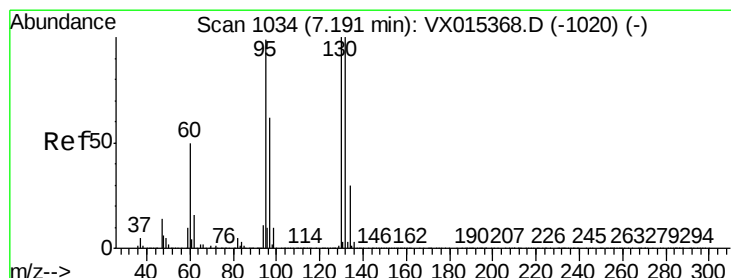
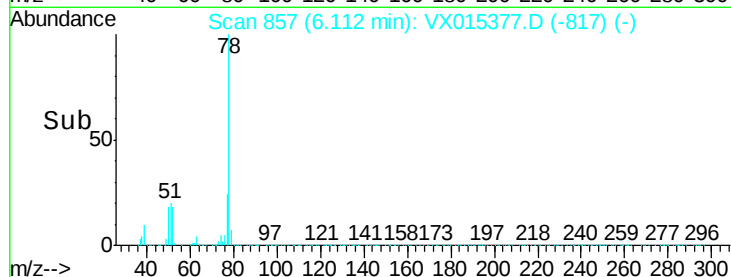
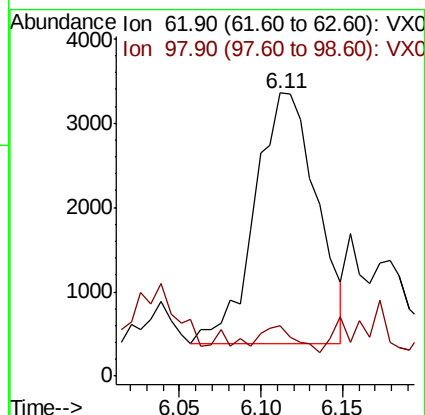
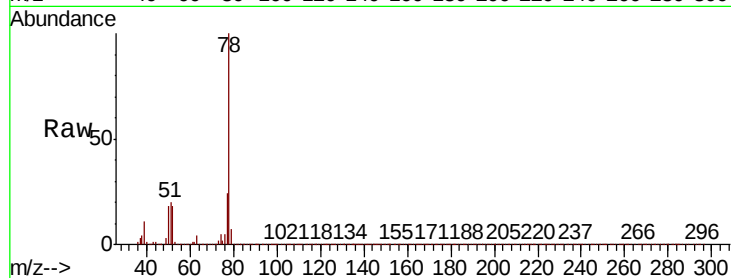
PT-VOA-WP

Tot Ion: 62 Resp: 7884

Ion Ratio Lower Upper

62 100

98 5.6 0.0 17.6



#44

Trichloroethene

Concen: 3.347 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015377.D

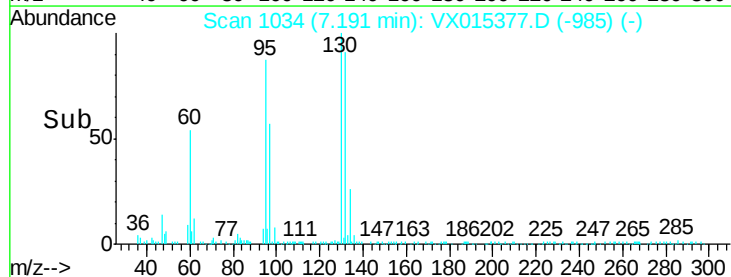
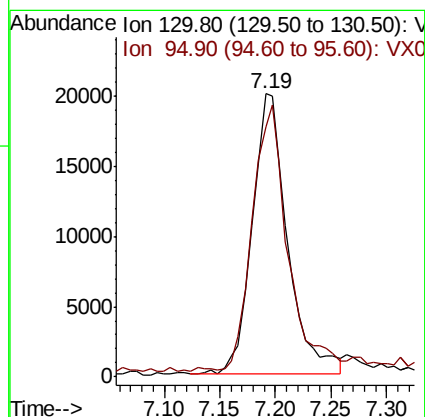
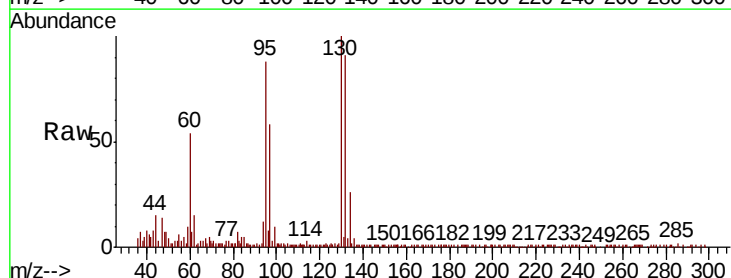
Acq: 27 Mar 2020 13:19

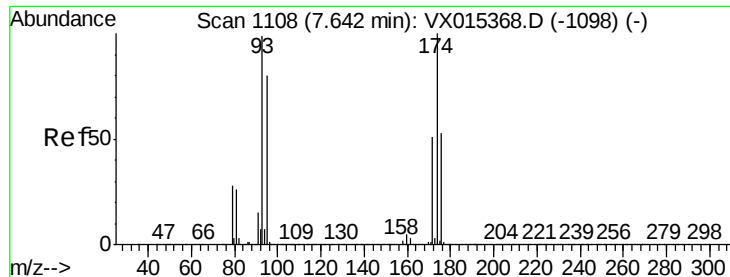
Tgt Ion: 130 Resp: 44451

Ion Ratio Lower Upper

130 100

95 86.9 0.0 199.0





#46

Dibromomethane

Concen: 32.016 ug/l

RT: 7.64 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

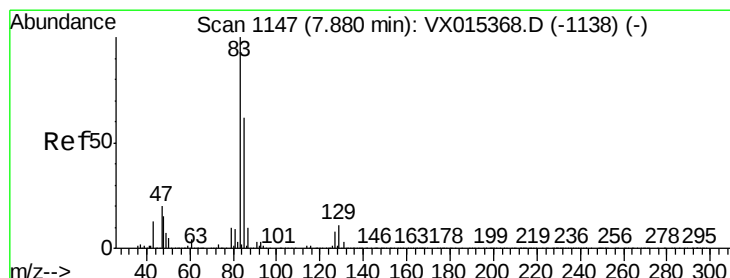
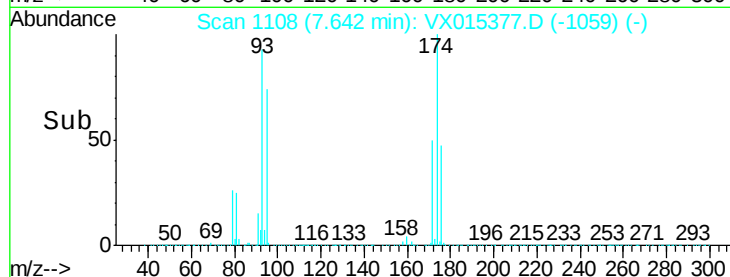
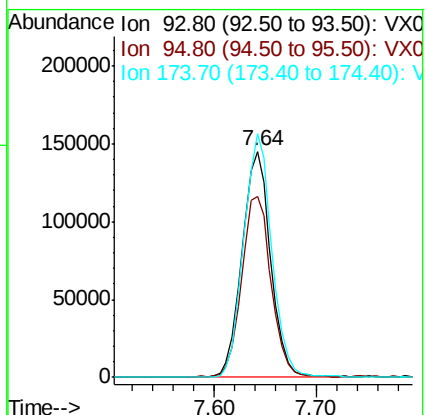
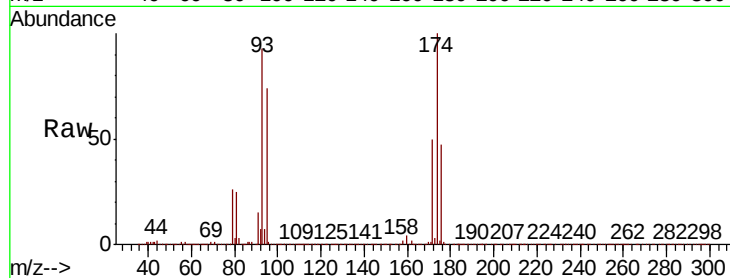
Tot Ion: 93 Resp: 279765

Ion Ratio Lower Upper

93 100

95 84.0 65.8 98.8

174 107.5 86.2 129.2



#47

Bromodichloromethane

Concen: 38.453 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

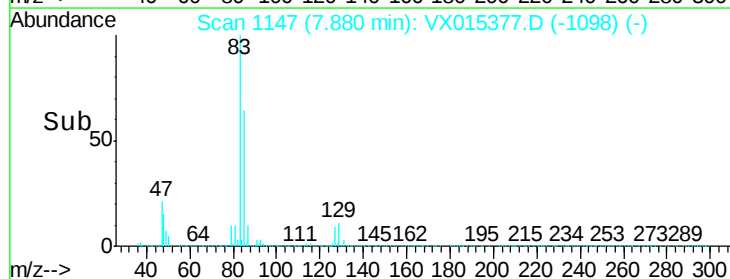
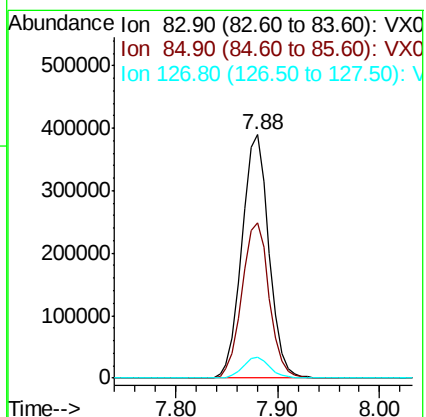
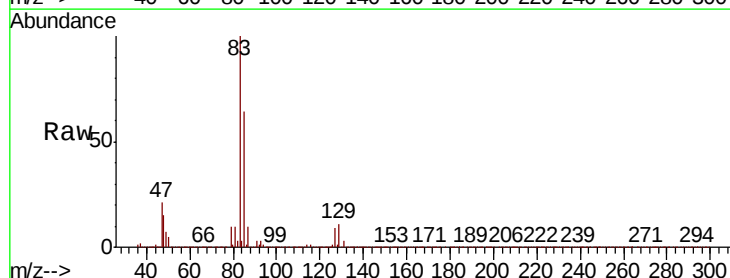
Tgt Ion: 83 Resp: 715971

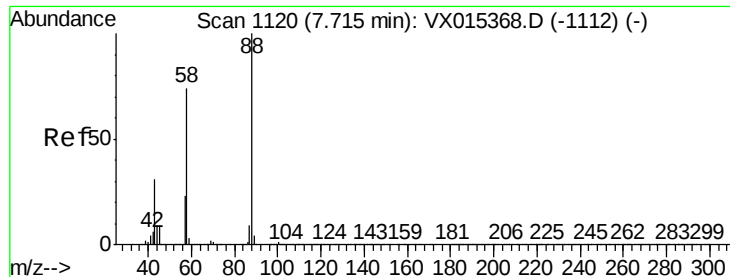
Ion Ratio Lower Upper

83 100

85 63.8 49.7 74.5

127 8.4 6.7 10.1

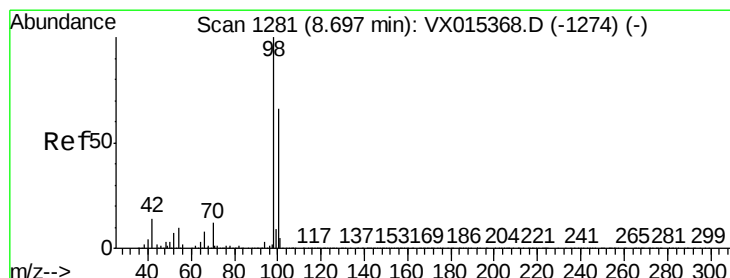
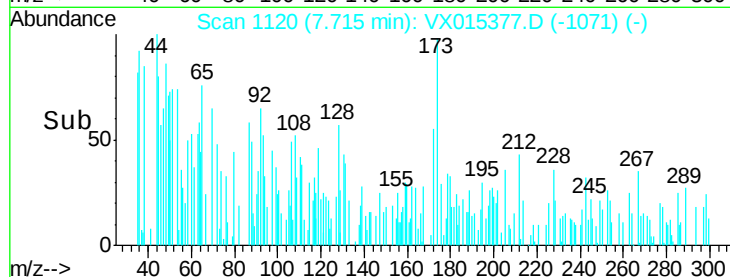
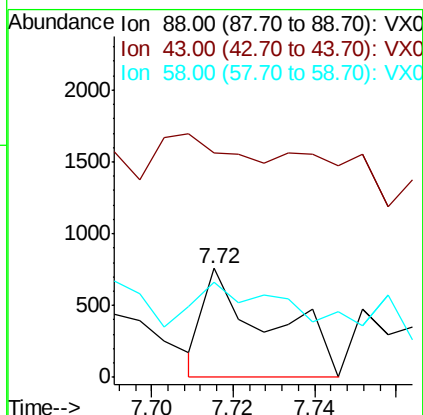
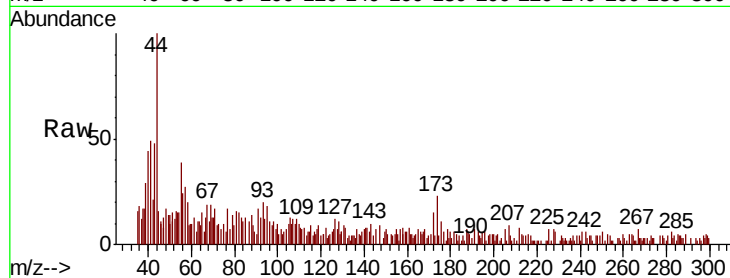




#49
1,4-Dioxane
Concen: 2.502 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

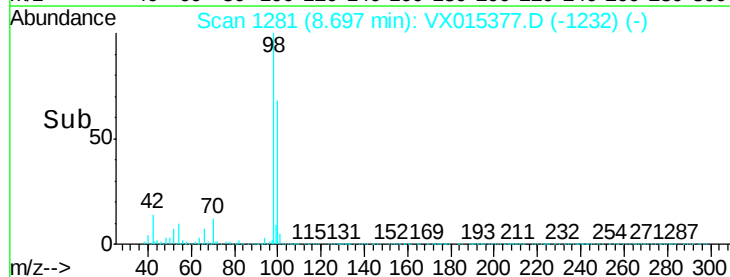
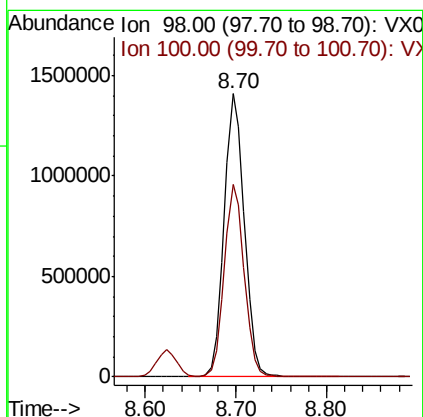
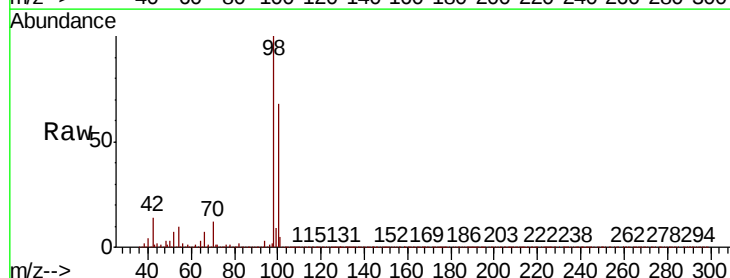
Instrument :
MSVOA_X
ClientSampled :
PT-VOA-WP

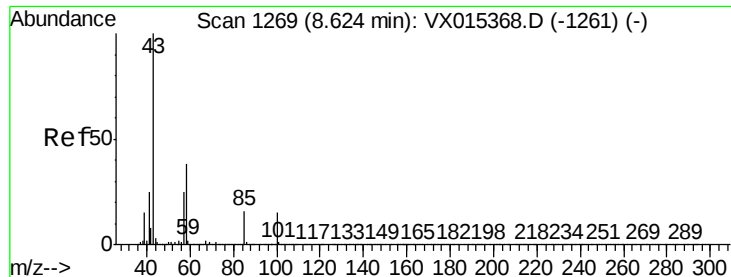
Tot Ion: 88 Resp: 852
Ion Ratio Lower Upper
88 100
43 53.1 30.1 45.1#
58 62.0 60.6 90.8



#50
Toluene-d8
Concen: 51.406 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion: 98 Resp: 2182734
Ion Ratio Lower Upper
98 100
100 67.2 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 70.518 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampled :

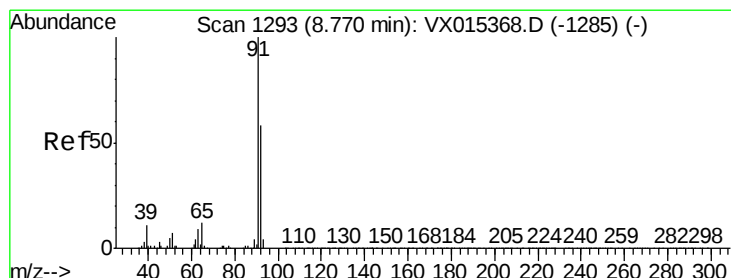
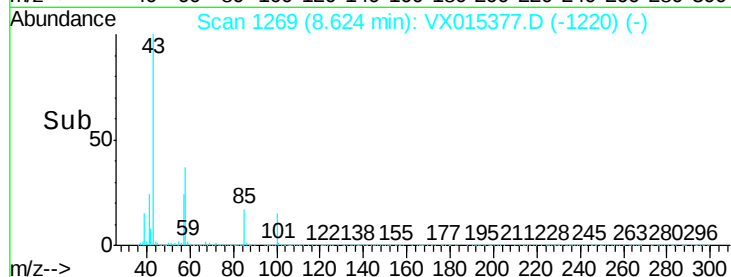
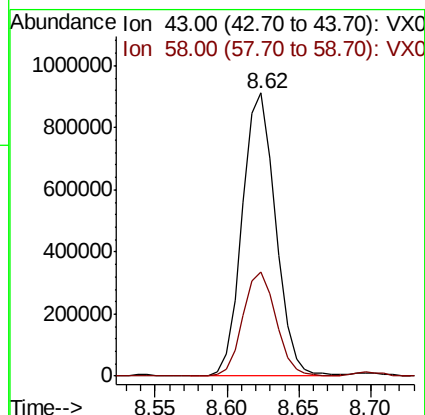
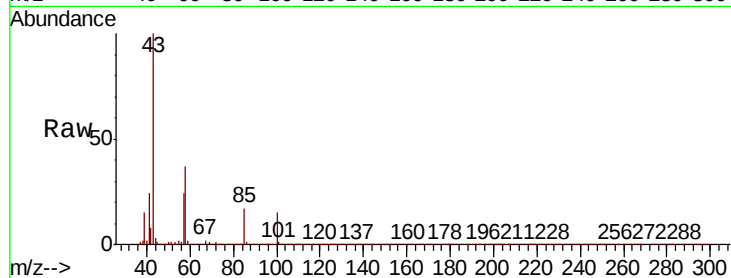
PT-VOA-WP

Tot Ion: 43 Resp: 1460236

Ion Ratio Lower Upper

43 100

58 36.7 29.7 44.5



#52

Toluene

Concen: 21.974 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015377.D

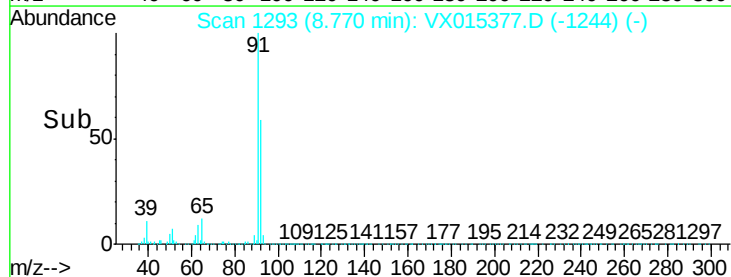
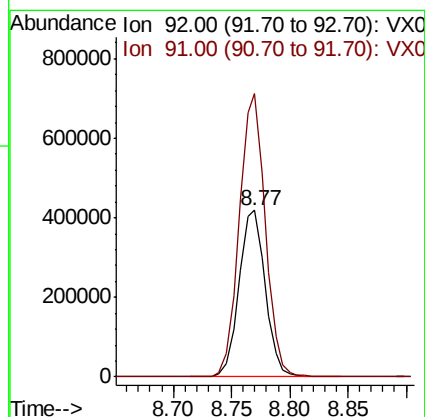
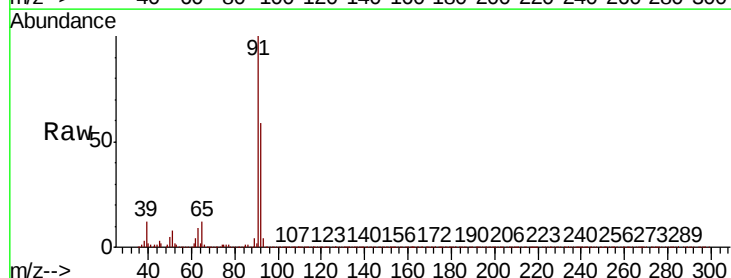
Acq: 27 Mar 2020 13:19

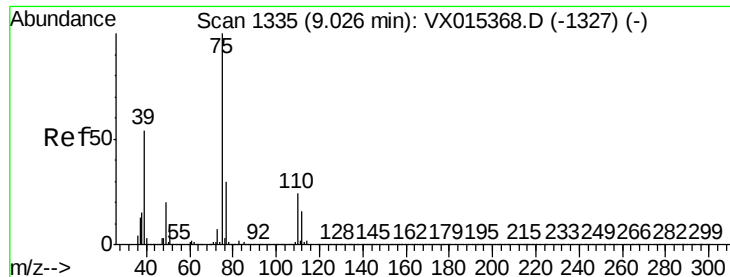
Tgt Ion: 92 Resp: 659703

Ion Ratio Lower Upper

92 100

91 168.1 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 91.331 ug/l

RT: 9.03 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

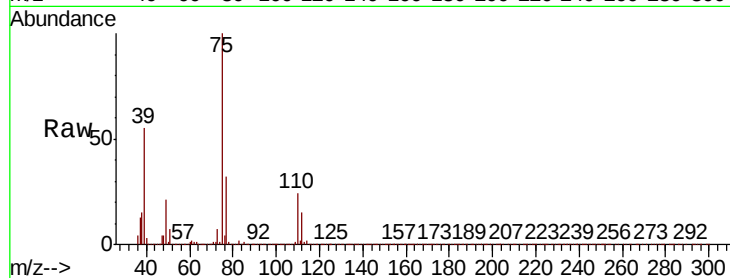
PT-VOA-WP

Tot Ion: 75 Resp: 1994414

Ion Ratio Lower Upper

75 100

77 31.5 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.03

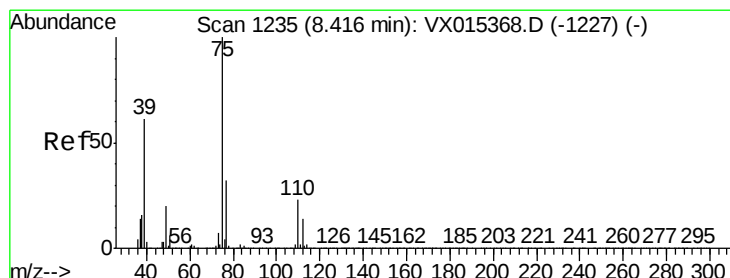
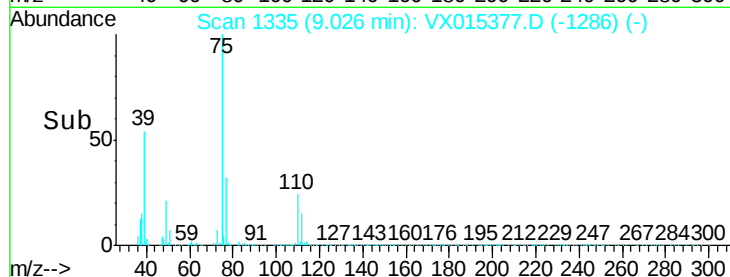
1500000

1000000

500000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 31.049 ug/l

RT: 8.42 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

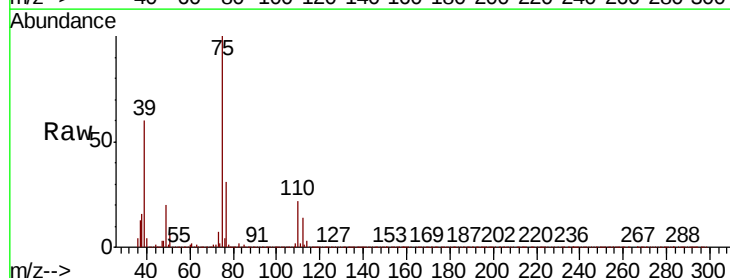
Tgt Ion: 75 Resp: 690679

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 59.5 49.0 73.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

500000

400000

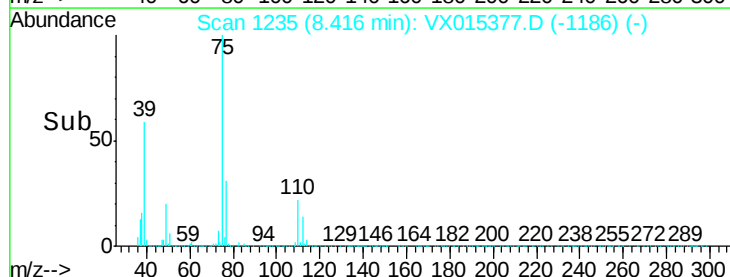
300000

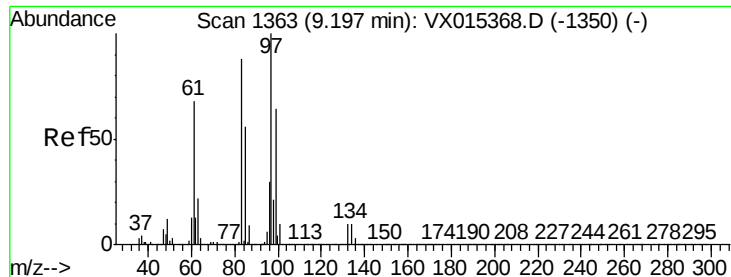
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 0.317 ug/l

RT: 9.20 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tot Ion: 97 Resp: 3903

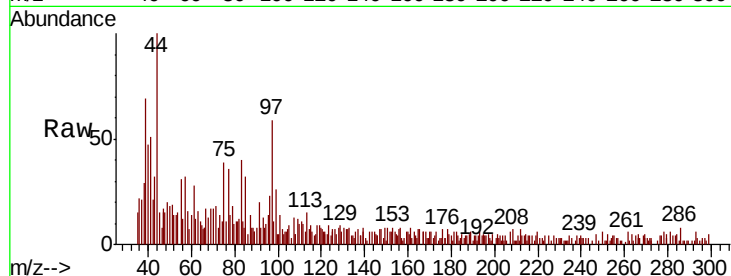
Ion Ratio Lower Upper

97 100

83 39.9 70.2 105.4#

85 31.4 44.7 67.1#

99 29.7 51.1 76.7#

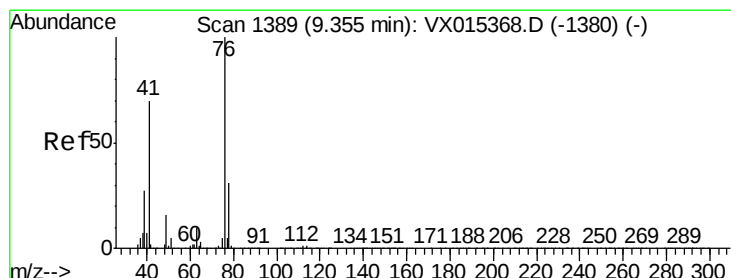
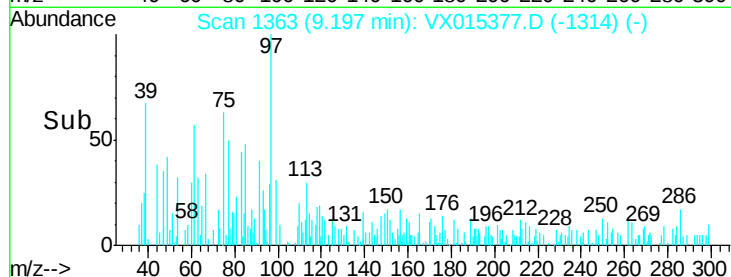
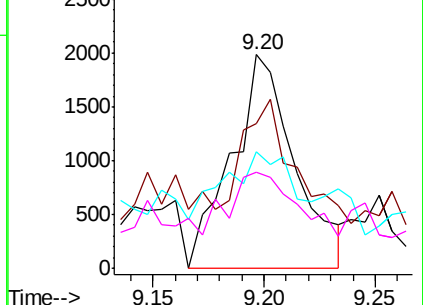


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#57

1,3-Dichloropropane

Concen: 0.259 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VX015377.D

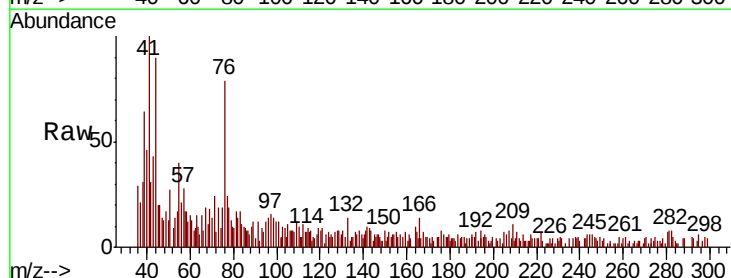
Acq: 27 Mar 2020 13:19

Tgt Ion: 76 Resp: 5731

Ion Ratio Lower Upper

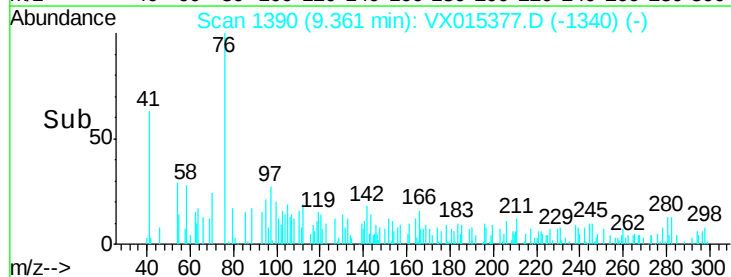
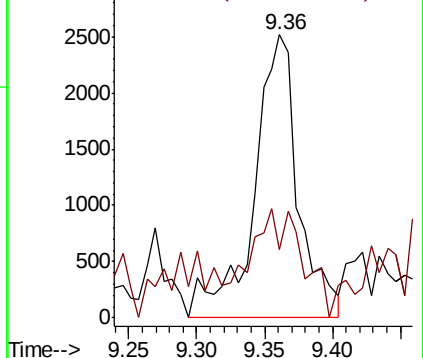
76 100

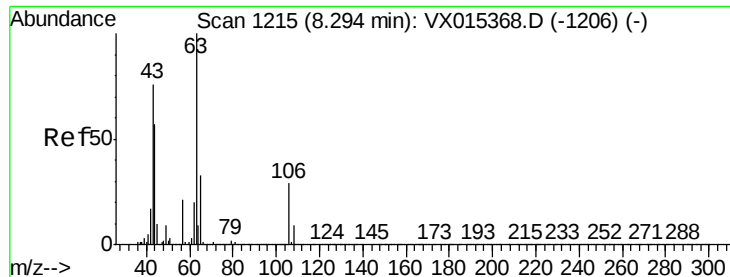
78 43.7 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

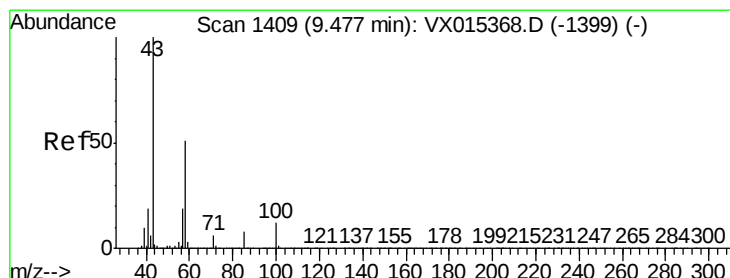
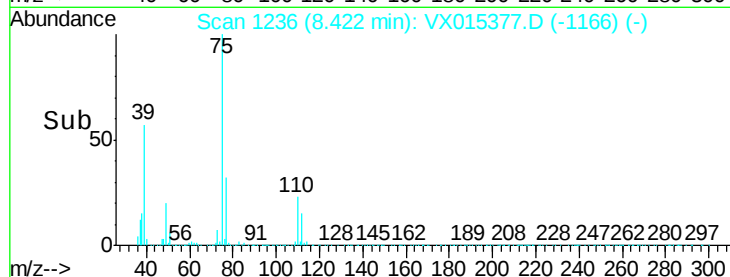
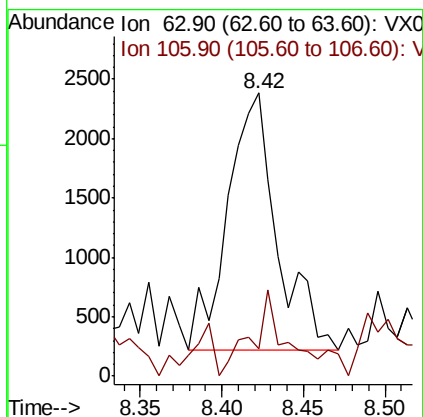
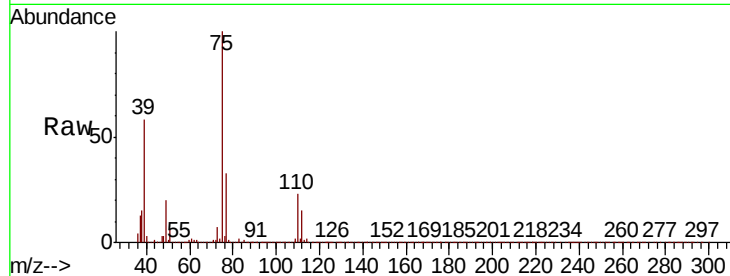




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.436 ug/l
 RT: 8.42 min Scan# 1236
 Delta R.T. 0.13 min
 Lab File: VX015377.D
 Acq: 27 Mar 2020 13:19

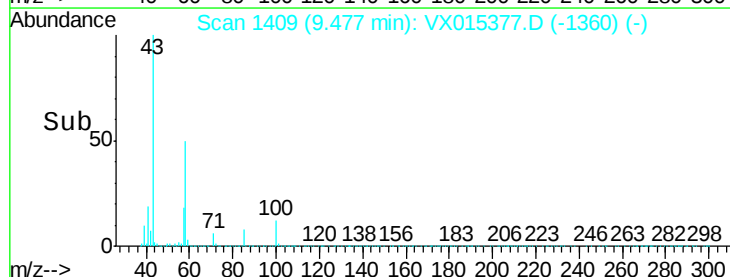
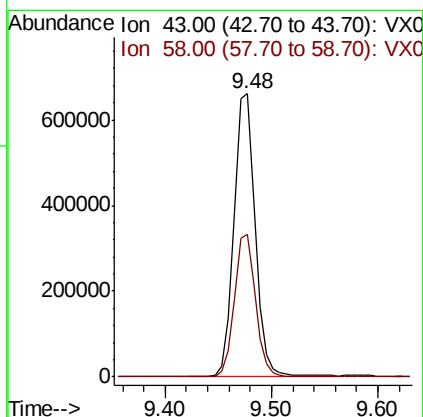
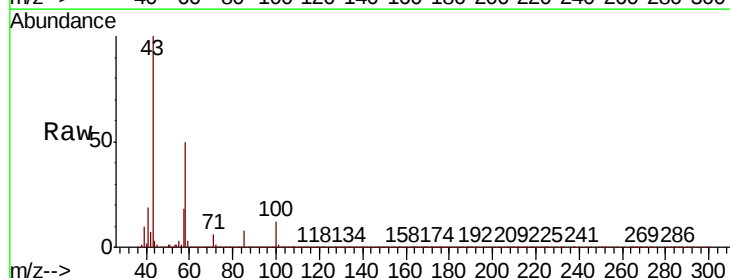
Instrument :
 MSVOA_X
 ClientSampled :
 PT-VOA-WP

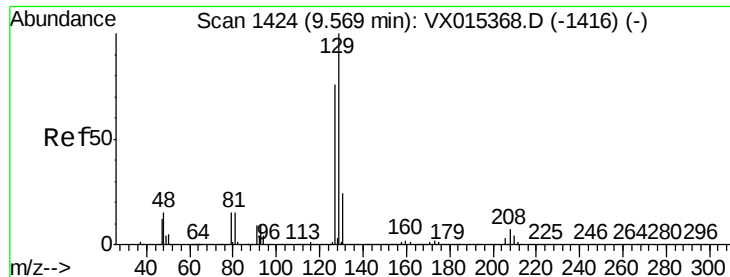
Tot Ion: 63 Resp: 4598
 Ion Ratio Lower Upper
 63 100
 106 25.7 22.7 34.1



#59
 2-Hexanone
 Concen: 59.124 ug/l
 RT: 9.48 min Scan# 1409
 Delta R.T. 0.00 min
 Lab File: VX015377.D
 Acq: 27 Mar 2020 13:19

Tgt Ion: 43 Resp: 924321
 Ion Ratio Lower Upper
 43 100
 58 50.3 25.6 76.6





#60

Dibromochloromethane

Concen: 77.282 ug/l

RT: 9.56 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

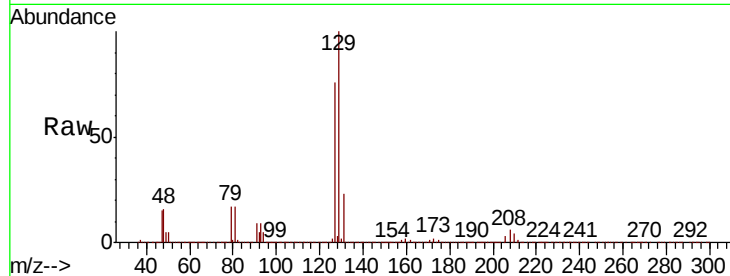
PT-VOA-WP

Tot Ion:129 Resp: 1142229

Ion Ratio Lower Upper

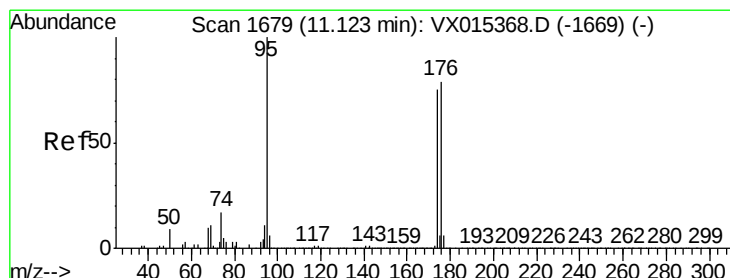
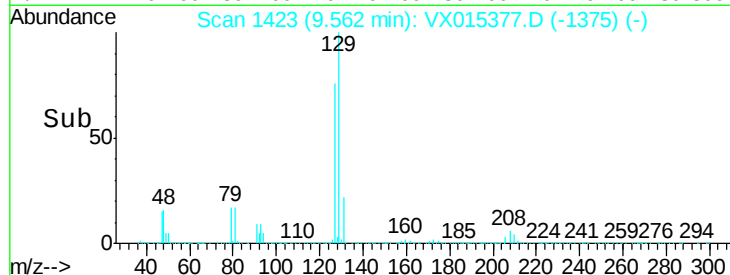
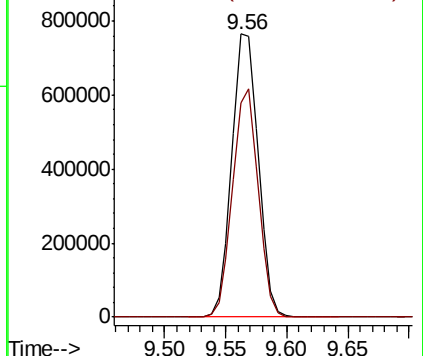
129 100

127 77.9 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 51.092 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

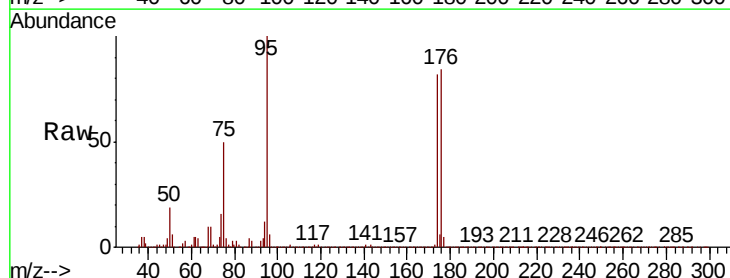
Tgt Ion: 95 Resp: 881654

Ion Ratio Lower Upper

95 100

174 79.5 0.0 158.6

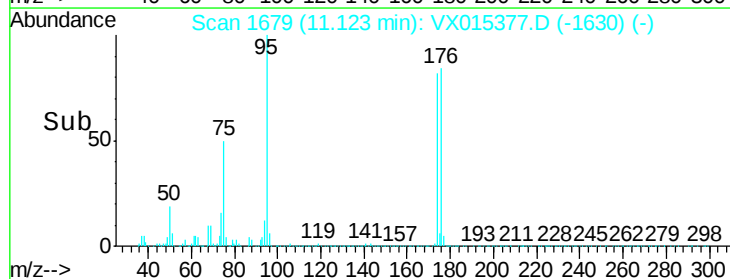
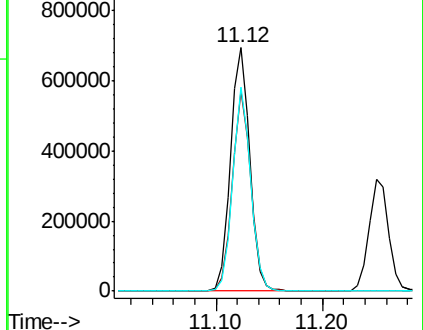
176 78.8 0.0 159.0

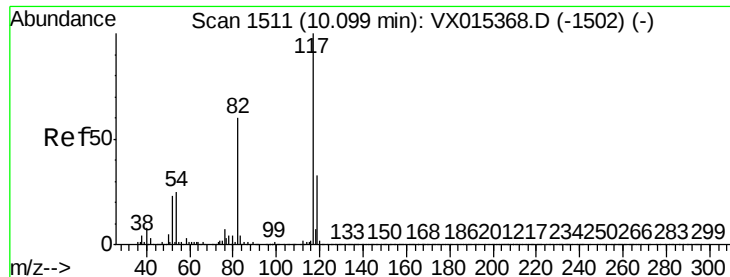


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

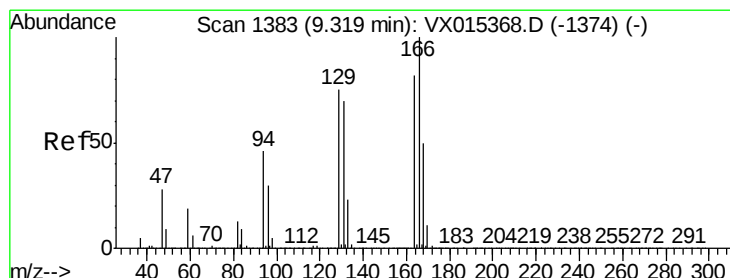
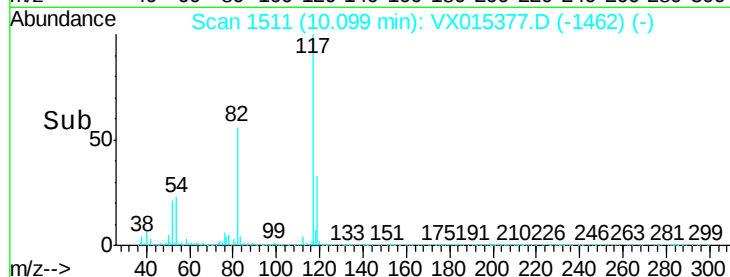
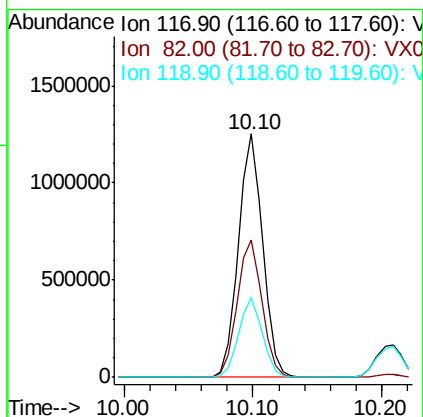
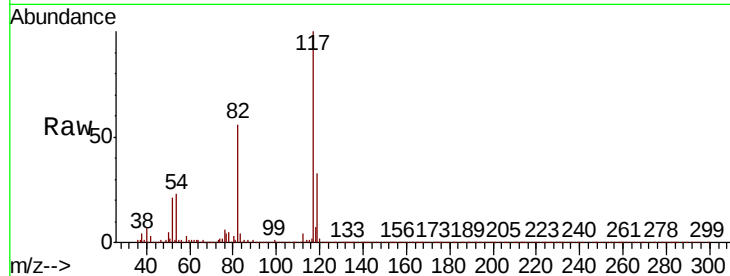




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

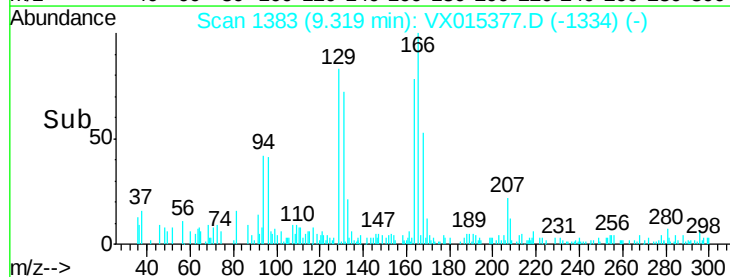
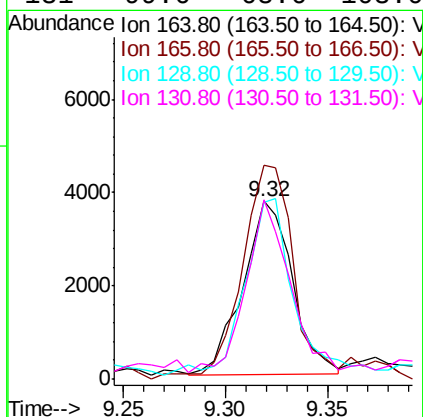
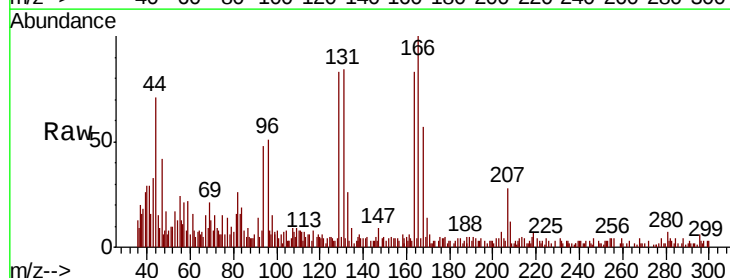
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

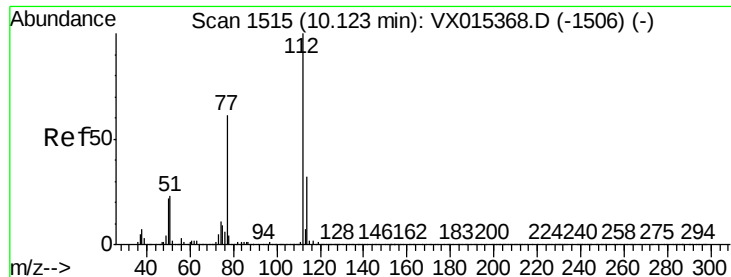
Tot Ion:117 Resp: 1636363
Ion Ratio Lower Upper
117 100
82 56.3 47.8 71.8
119 32.7 26.8 40.2



#64
Tetrachloroethene
Concen: 0.510 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion:164 Resp: 6295
Ion Ratio Lower Upper
164 100
166 120.6 97.8 146.6
129 93.9 73.0 109.4
131 99.6 68.6 103.0

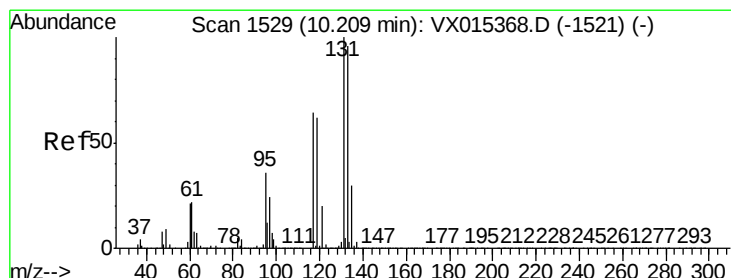
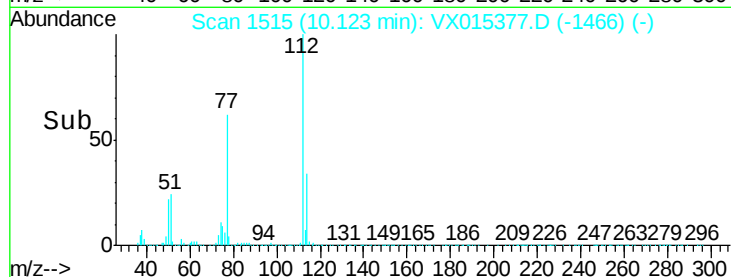
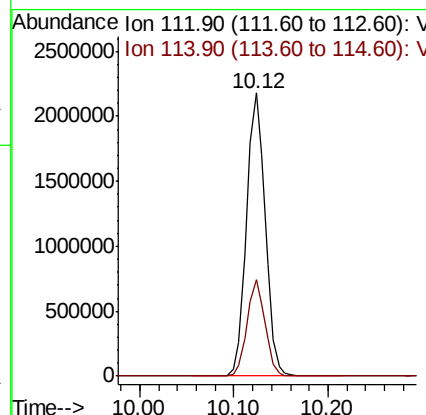
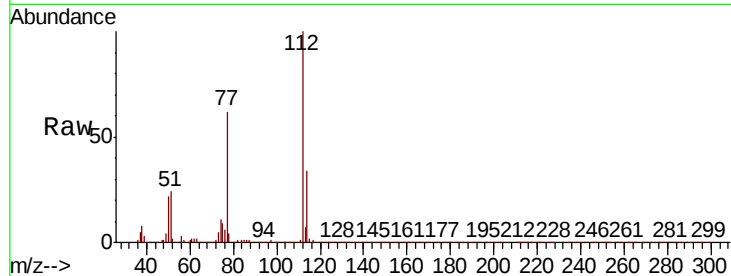




#65
Chlorobenzene
Concen: 92.069 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

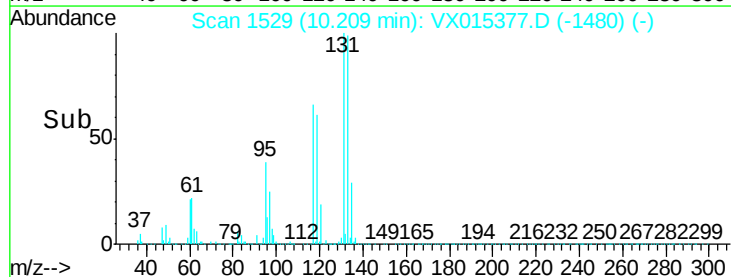
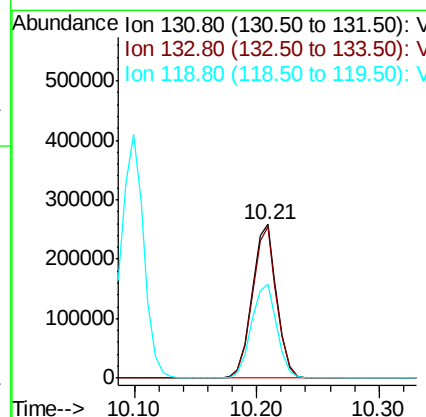
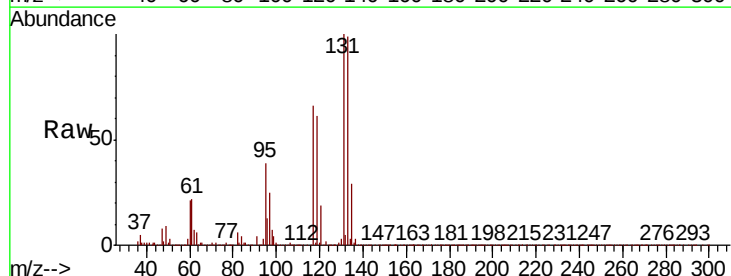
Instrument :
MSVOA_X
ClientSampled :
PT-VOA-WP

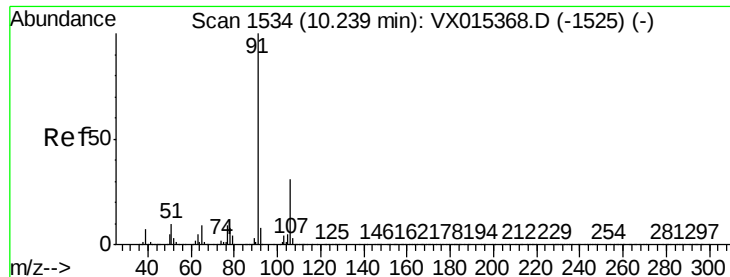
Tot Ion:112 Resp: 3004580
Ion Ratio Lower Upper
112 100
114 33.9 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 27.477 ug/l
RT: 10.21 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion:131 Resp: 358231
Ion Ratio Lower Upper
131 100
133 97.2 47.6 142.9
119 63.2 31.1 93.3

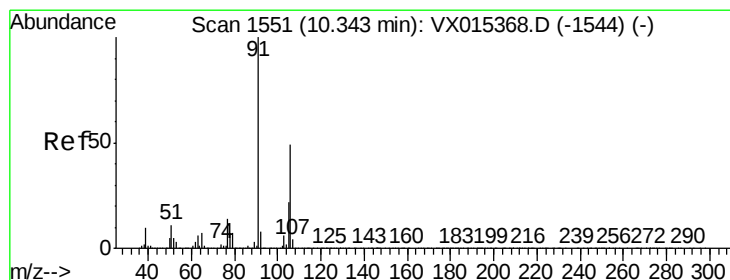
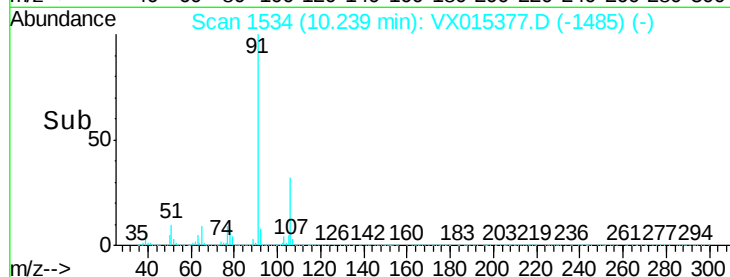
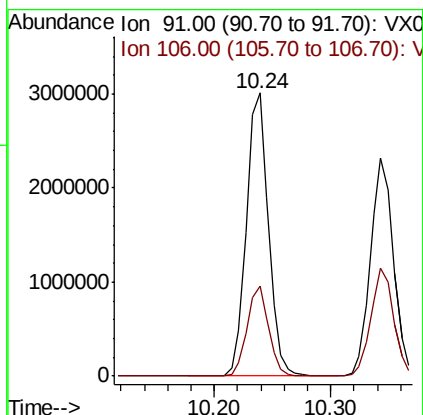
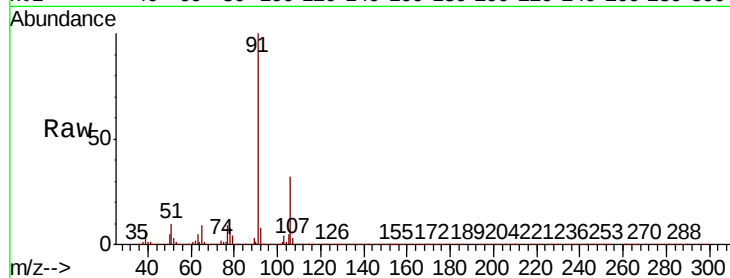




#67
Ethyl Benzene
Concen: 68.925 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

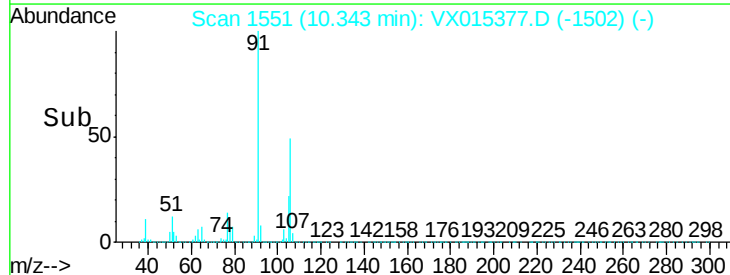
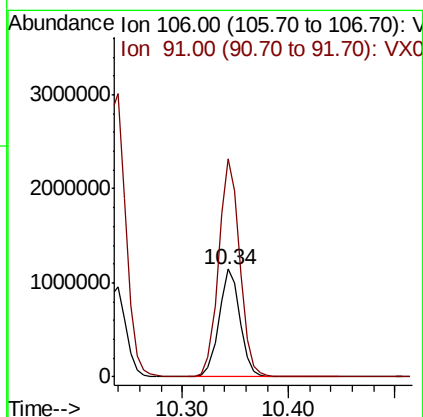
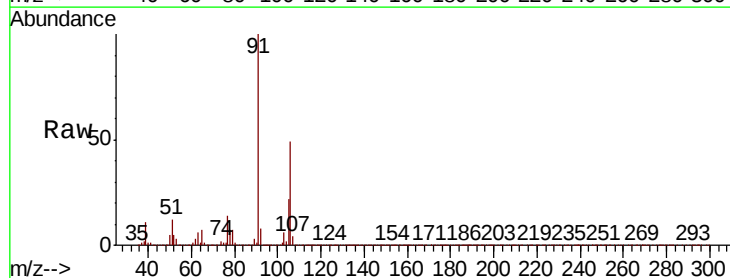
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

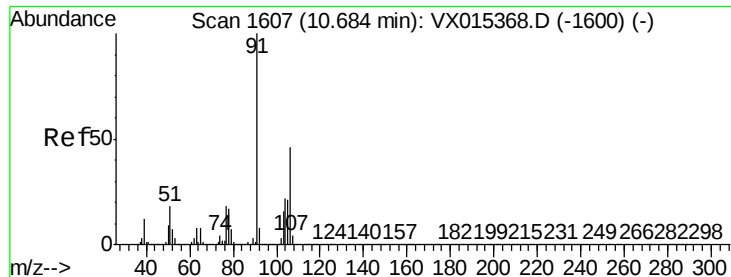
Tot Ion: 91 Resp: 3989343
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 72.598 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion: 106 Resp: 1564668
Ion Ratio Lower Upper
106 100
91 204.0 163.4 245.0

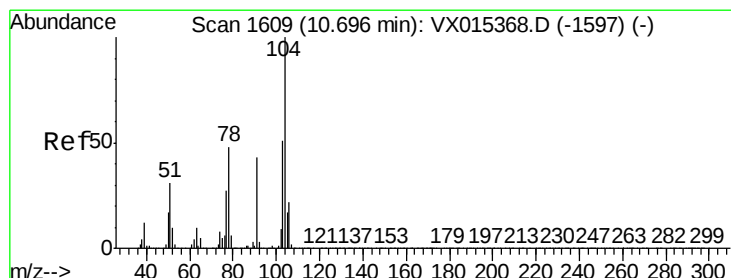
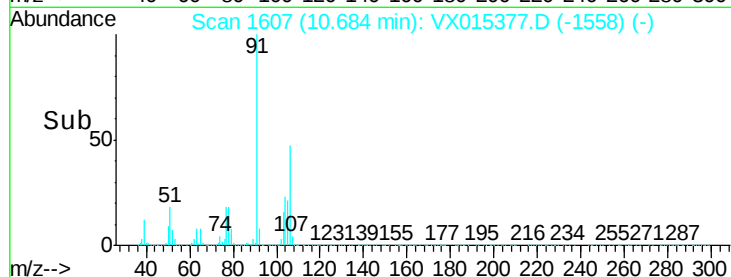
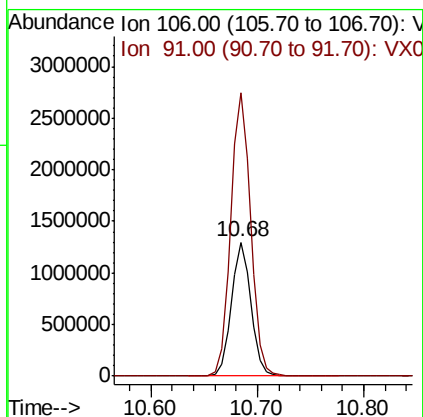
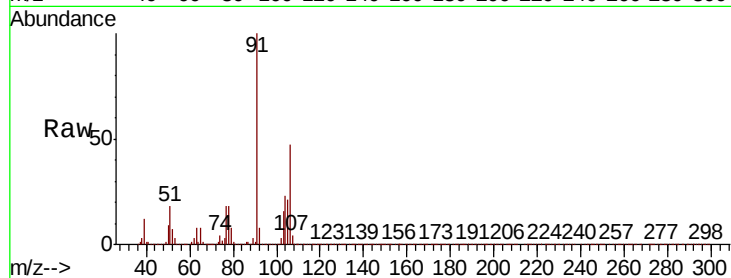




#69
o-Xylene
Concen: 78.177 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

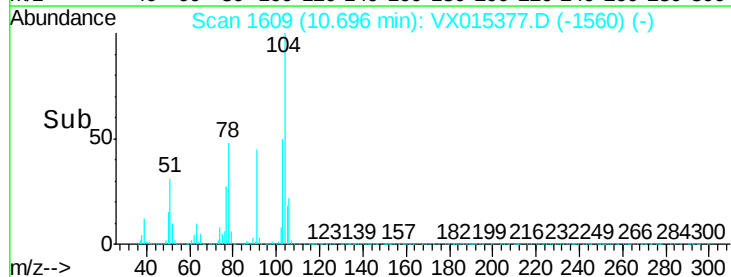
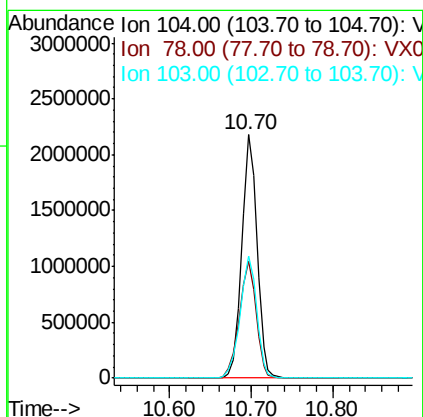
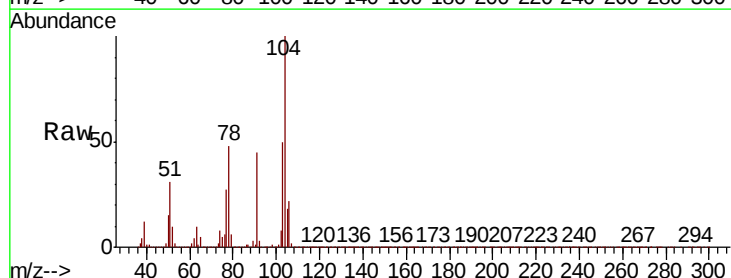
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

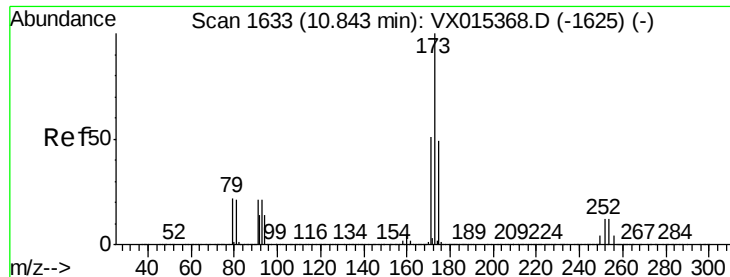
Tot Ion:106 Resp: 1664964
Ion Ratio Lower Upper
106 100
91 216.0 107.1 321.3



#70
Styrene
Concen: 74.309 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion:104 Resp: 2784823
Ion Ratio Lower Upper
104 100
78 53.0 42.0 63.0
103 54.8 43.4 65.0





#71

Bromoform

Concen: 1.010 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

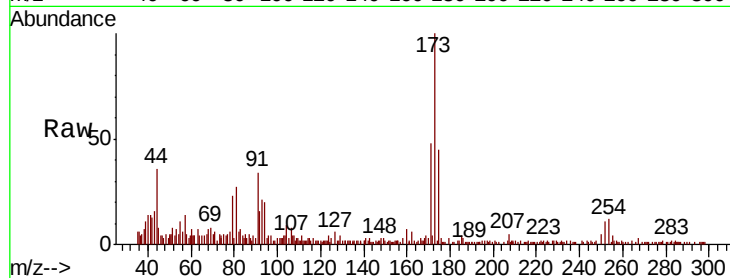
Tot Ion:173 Resp: 11986

Ion Ratio Lower Upper

173 100

175 45.9 23.9 71.7

254 0.0 0.1 0.1#

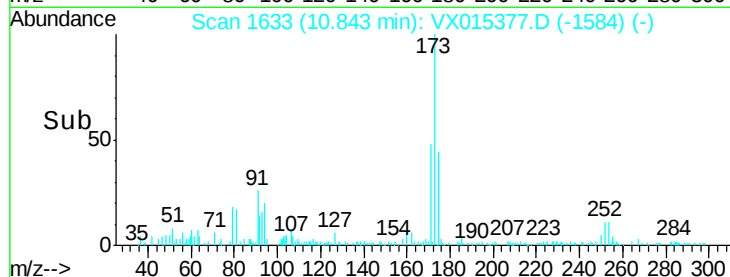


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

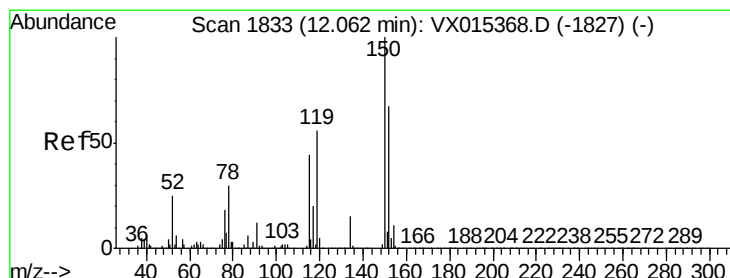
Ion 254.40 (254.10 to 255.10): V

Time--> 10.75 10.80 10.85 10.90



10.84

Time--> 10.75 10.80 10.85 10.90



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

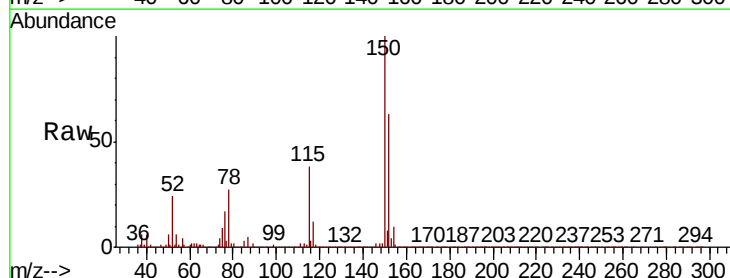
Tgt Ion:152 Resp: 840190

Ion Ratio Lower Upper

152 100

115 57.9 39.0 116.9

150 169.1 0.0 340.8

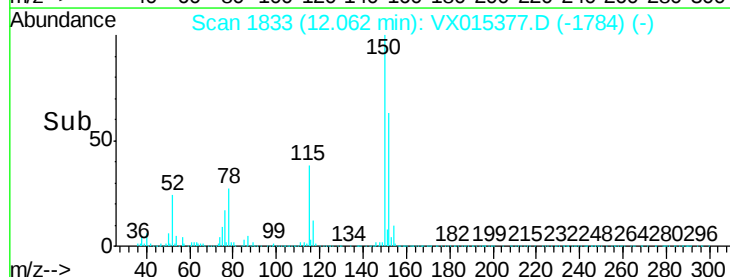


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

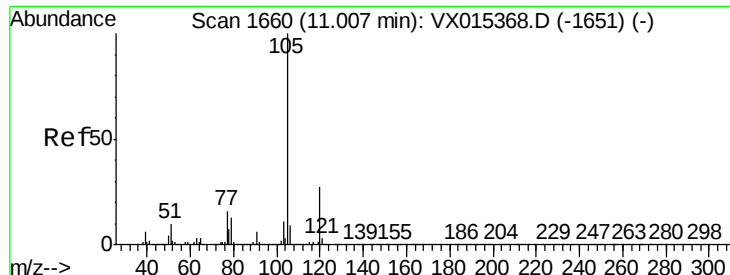
Ion 149.90 (149.60 to 150.60): V

Time--> 12.00 12.10



12.06

Time--> 12.00 12.10



#73

Isopropylbenzene

Concen: 0.244 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

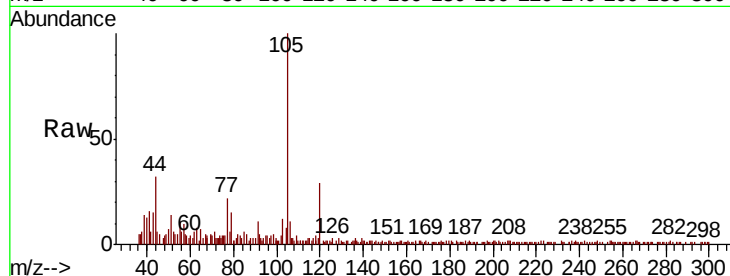
PT-VOA-WP

Tot Ion:105 Resp: 13444

Ion Ratio Lower Upper

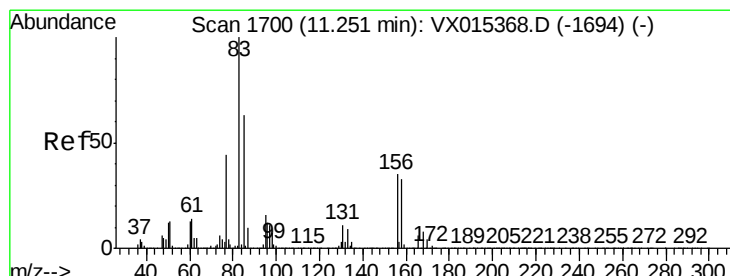
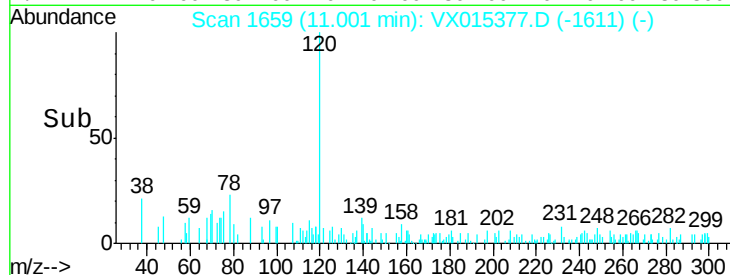
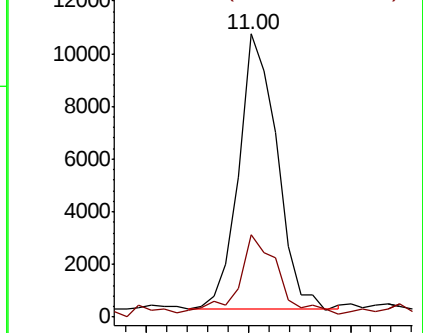
105 100

120 29.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 132.605 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

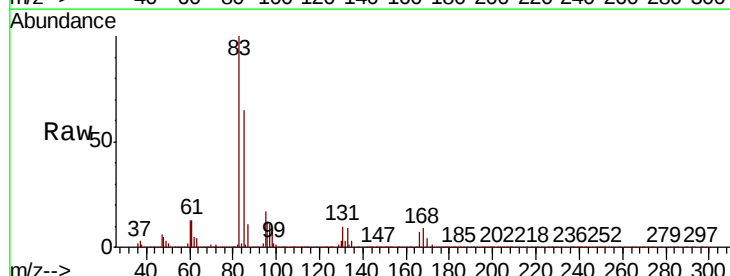
Tgt Ion: 83 Resp: 2504910

Ion Ratio Lower Upper

83 100

131 10.3 5.3 16.1

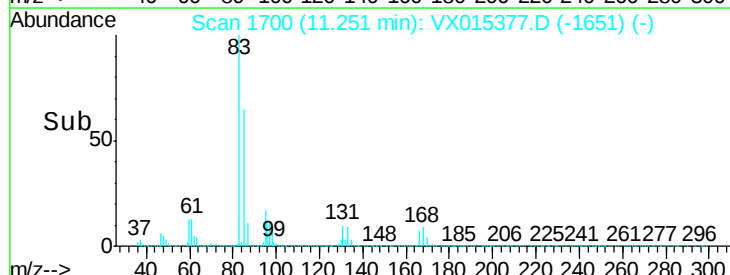
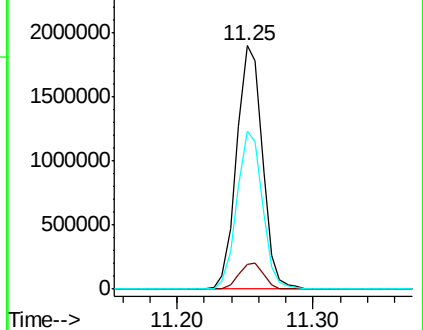
85 64.0 32.0 96.0

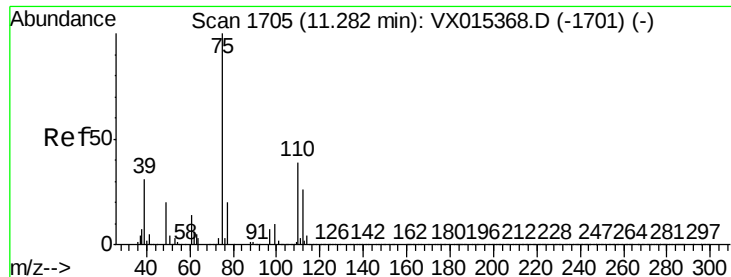


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

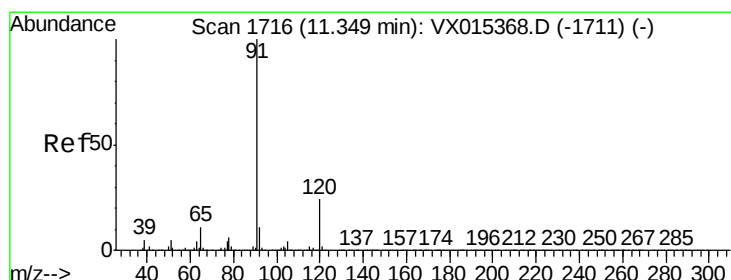
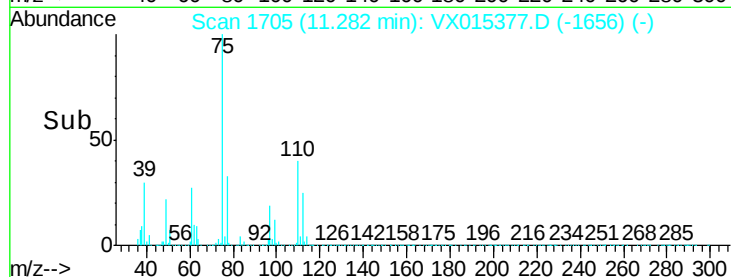
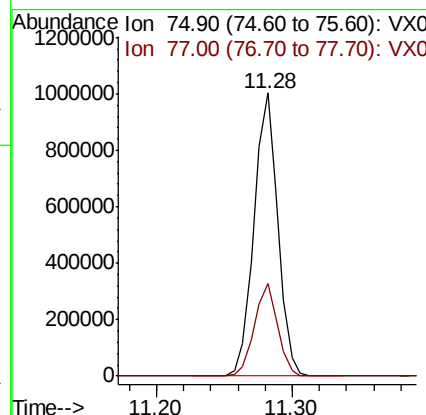
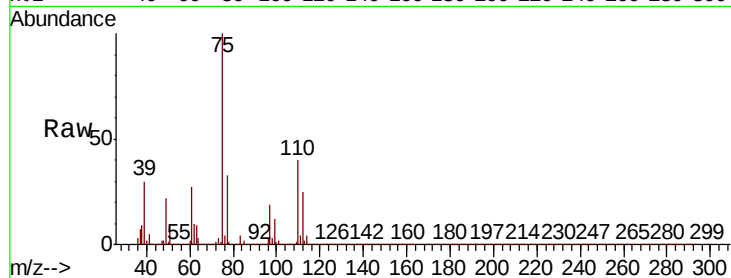




#76
1,2,3-Trichloropropane
Concen: 71.150 ug/l
RT: 11.28 min Scan# 1705
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

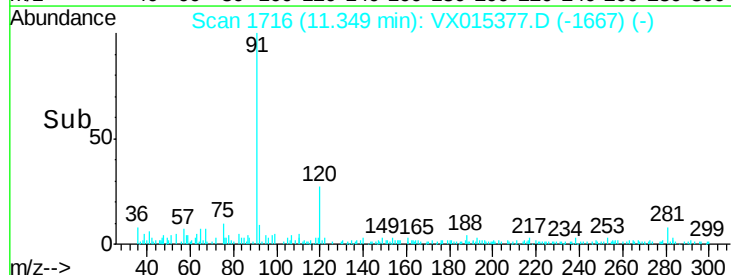
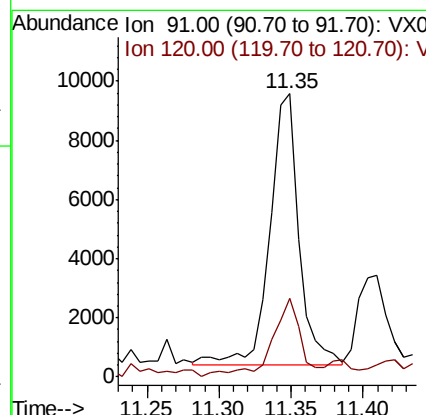
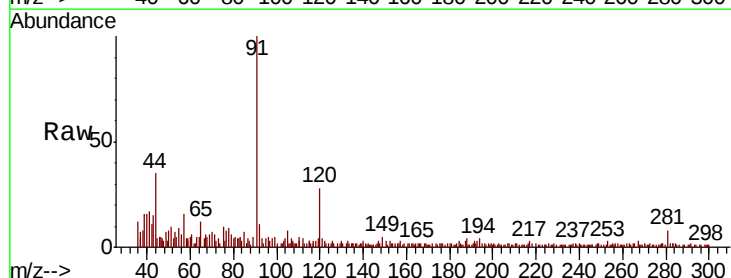
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

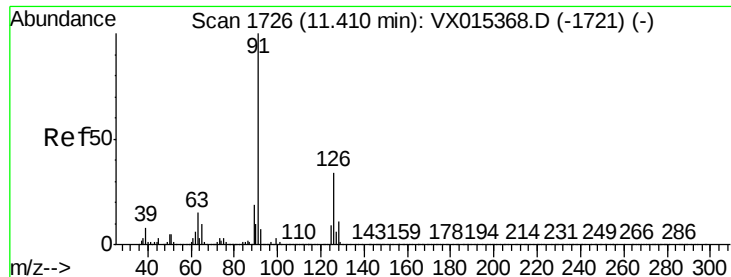
Tot Ion: 75 Resp: 1229323
Ion Ratio Lower Upper
75 100
77 32.4 21.2 63.6



#78
n-propylbenzene
Concen: 0.203 ug/l
RT: 11.35 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion: 91 Resp: 12785
Ion Ratio Lower Upper
91 100
120 28.4 11.7 35.0

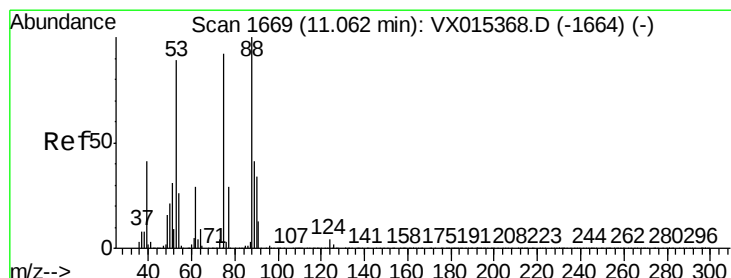
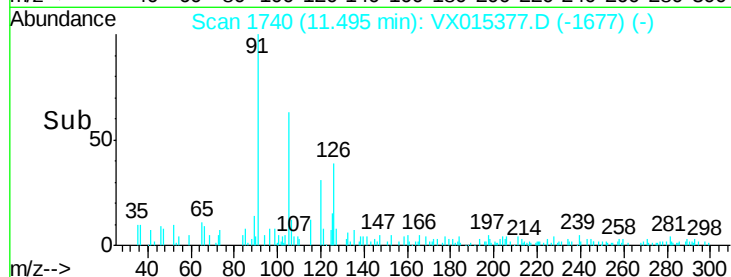
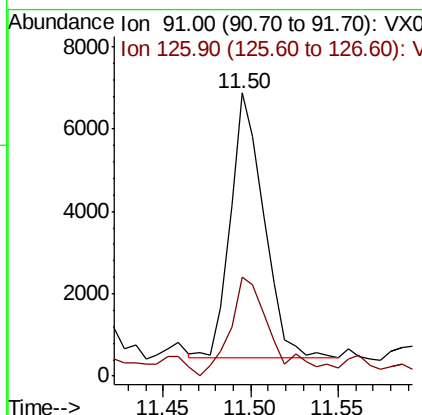
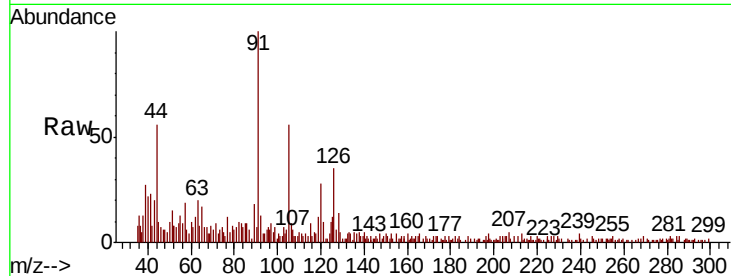




#79
2-Chlorotoluene
Concen: 0.218 ug/l
RT: 11.50 min Scan# 1740
Delta R.T. 0.09 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

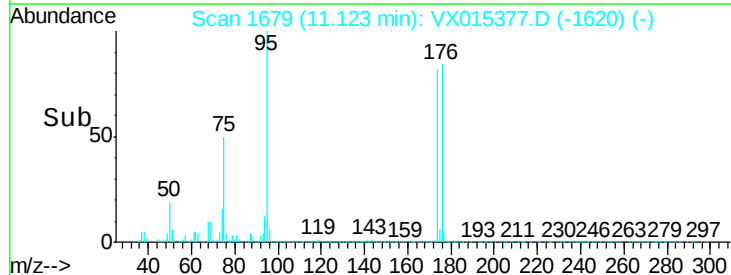
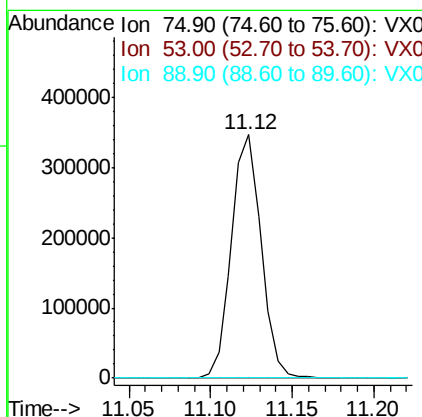
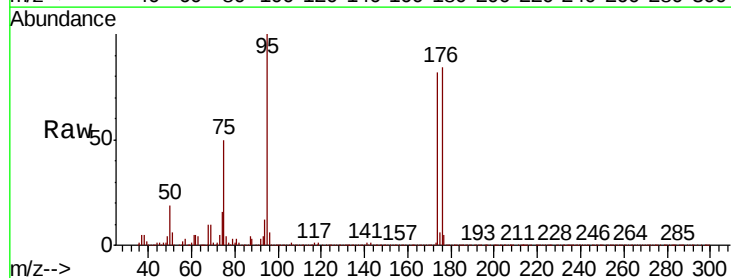
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

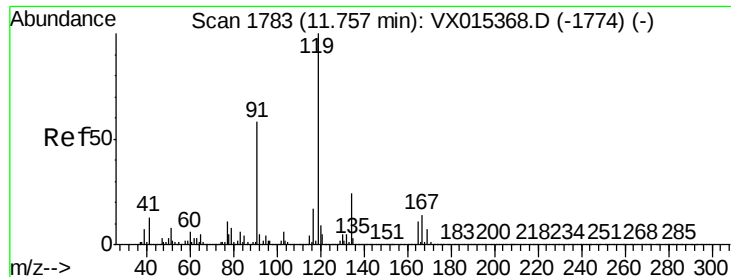
Tot Ion: 91 Resp: 8409
Ion Ratio Lower Upper
91 100
126 45.5 16.5 49.5



#81
trans-1,4-Dichloro-2-butene
Concen: 61.044 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion: 75 Resp: 439561
Ion Ratio Lower Upper
75 100
53 0.2 80.1 120.1#
89 0.1 36.1 54.1#

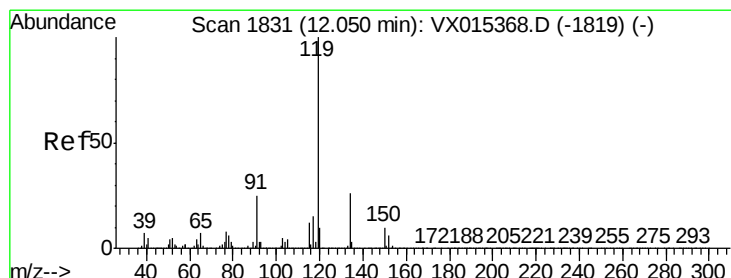
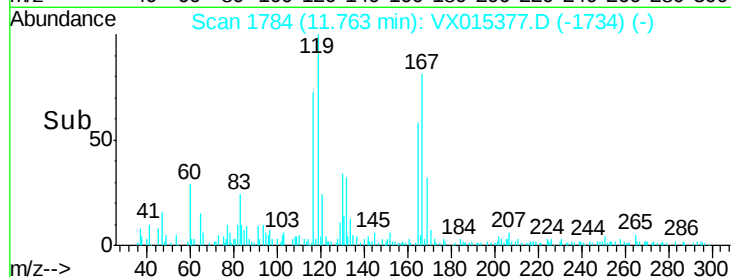
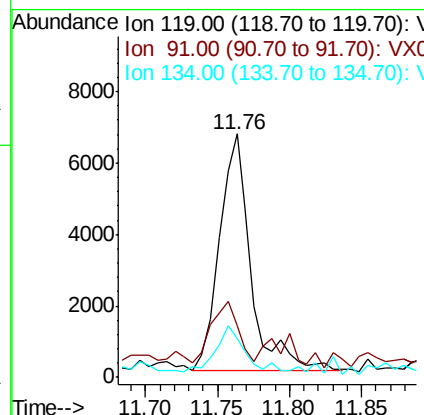
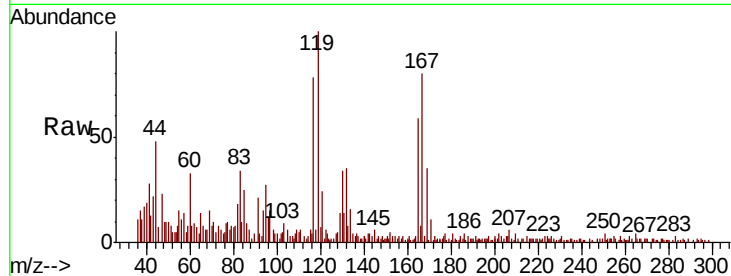




#83
tert-Butylbenzene
Concen: 0.218 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.01 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

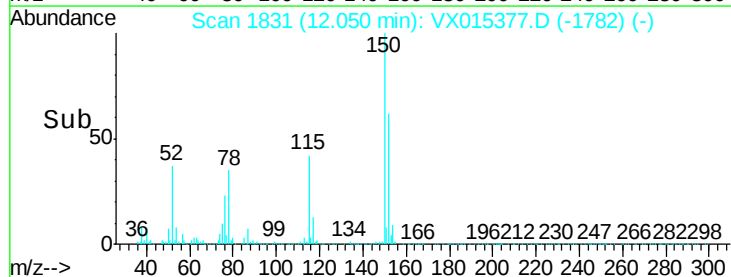
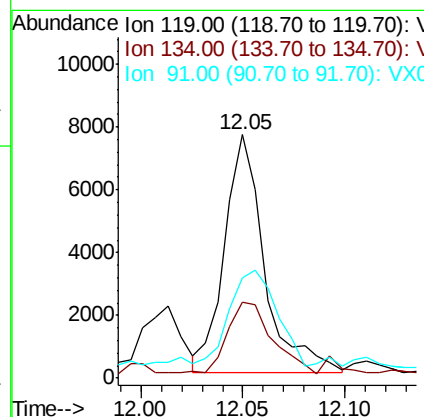
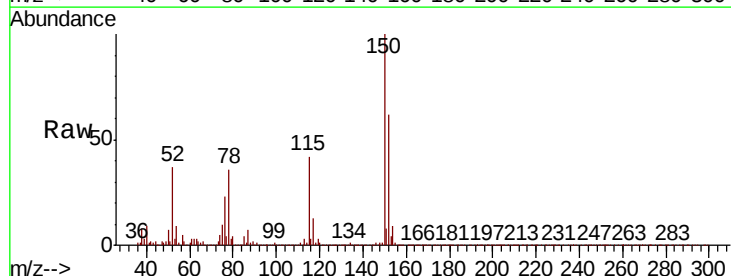
Instrument :
MSVOA_X
ClientSampled :
PT-VOA-WP

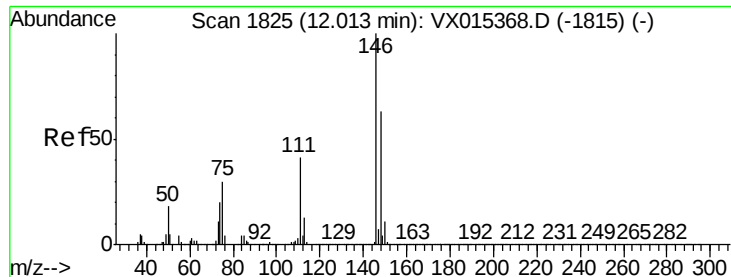
Tot Ion:119 Resp: 10024
Ion Ratio Lower Upper
119 100
91 22.0 28.6 85.8#
134 20.0 11.8 35.3



#86
p-Isopropyltoluene
Concen: 0.210 ug/l
RT: 12.05 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion:119 Resp: 10347
Ion Ratio Lower Upper
119 100
134 33.8 13.1 39.3
91 50.4 12.4 37.4#

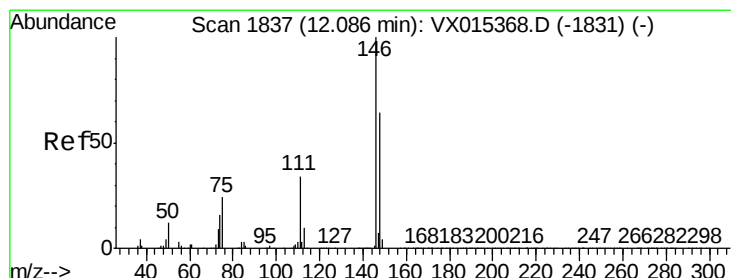
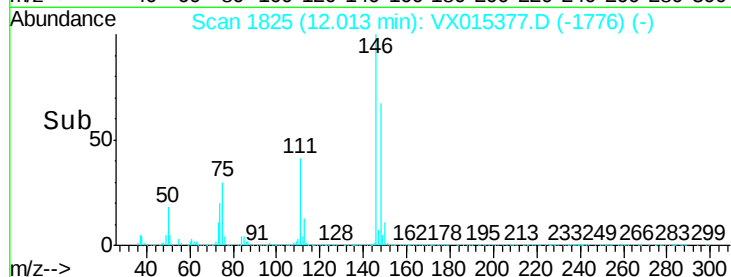
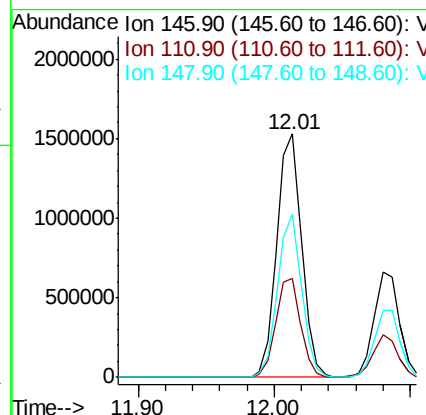
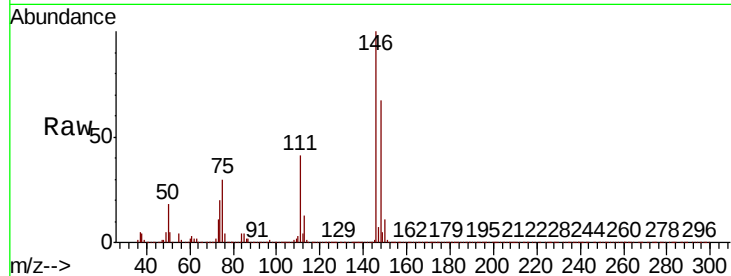




#87
 1,3-Dichlorobenzene
 Concen: 74.604 ug/l
 RT: 12.01 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: VX015377.D
 Acq: 27 Mar 2020 13:19

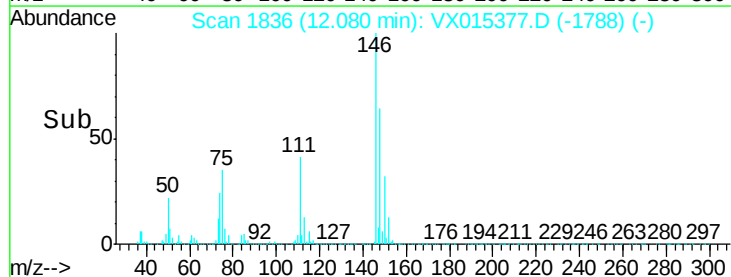
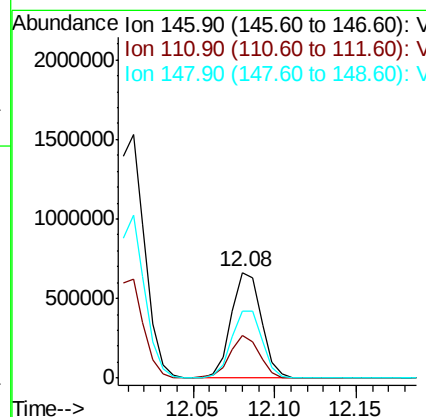
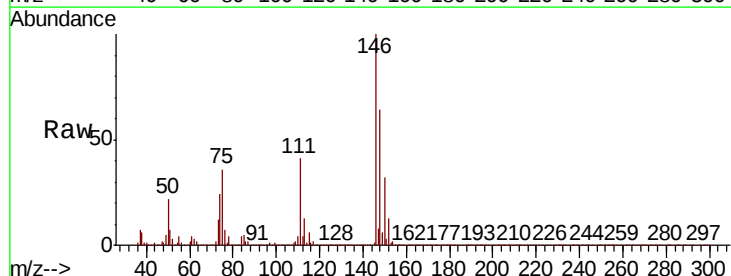
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

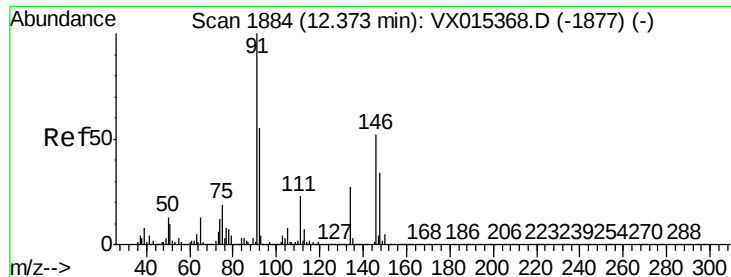
Tot Ion:146 Resp: 1961146
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 60.9
 148 64.8 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 31.959 ug/l
 RT: 12.08 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: VX015377.D
 Acq: 27 Mar 2020 13:19

Tgt Ion:146 Resp: 855751
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.1 57.5
 148 65.1 32.4 97.2





#89

n-Butylbenzene

Concen: 0.378 ug/l

RT: 12.37 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

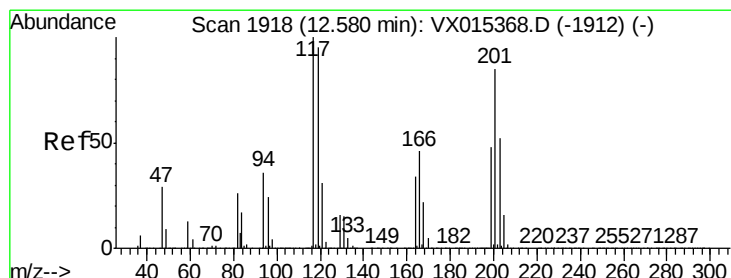
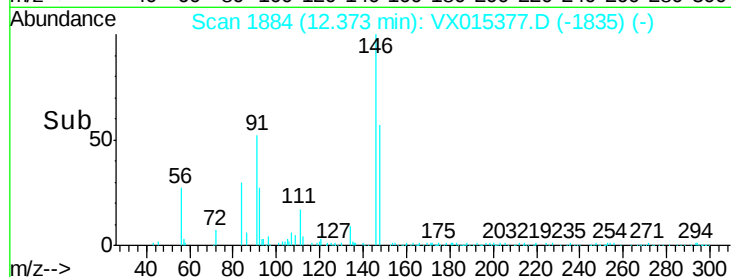
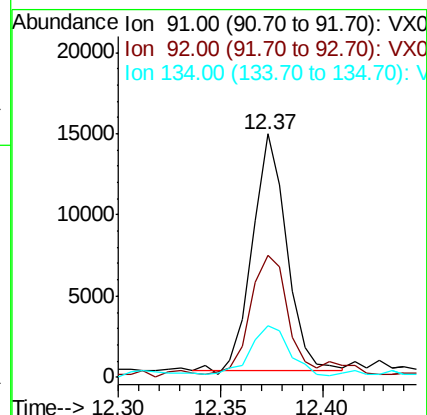
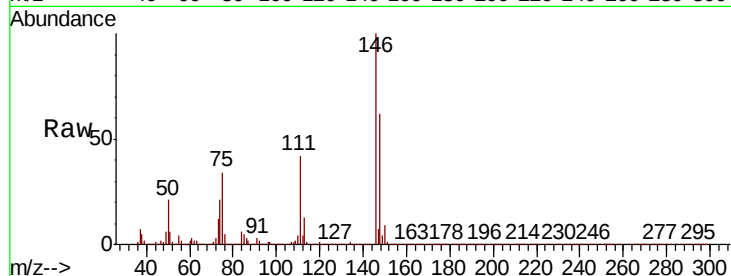
Tot Ion: 91 Resp: 16831

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.5

134 24.7 13.4 40.2



#90

Hexachloroethane

Concen: 0.732 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VX015377.D

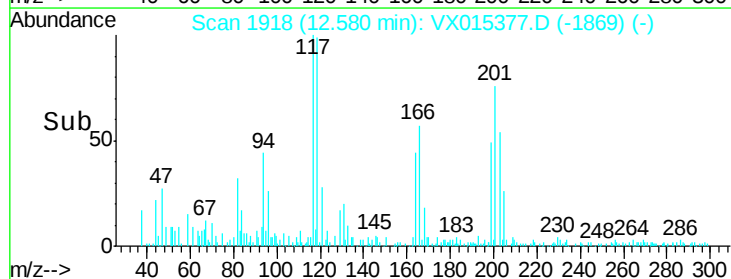
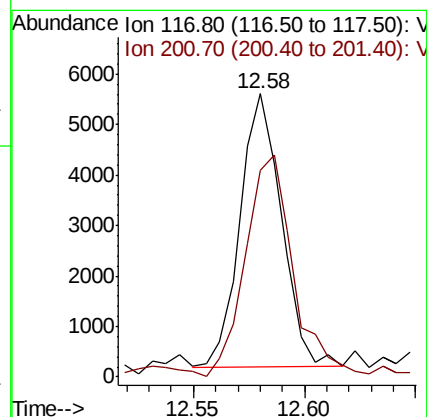
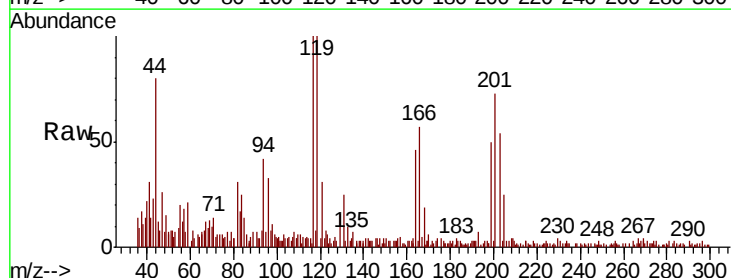
Acq: 27 Mar 2020 13:19

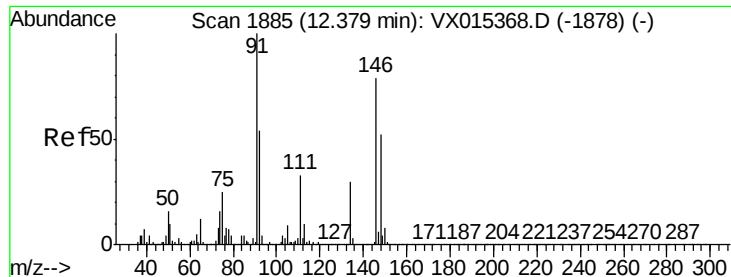
Tgt Ion: 117 Resp: 7024

Ion Ratio Lower Upper

117 100

201 94.2 42.6 128.0





#91

1,2-Dichlorobenzene

Concen: 23.385 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

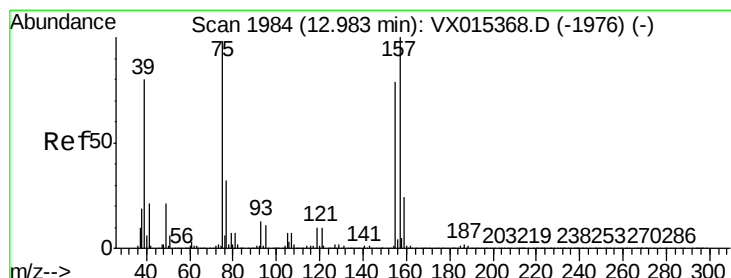
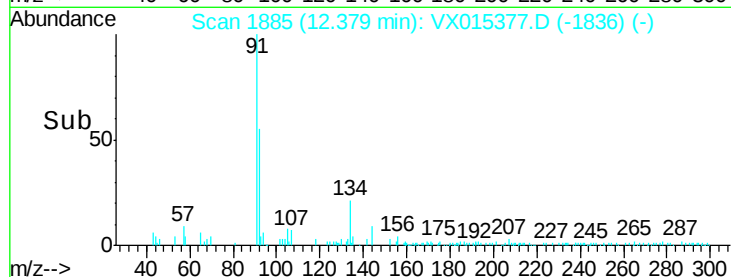
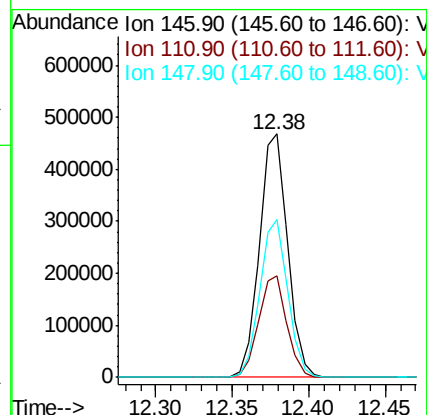
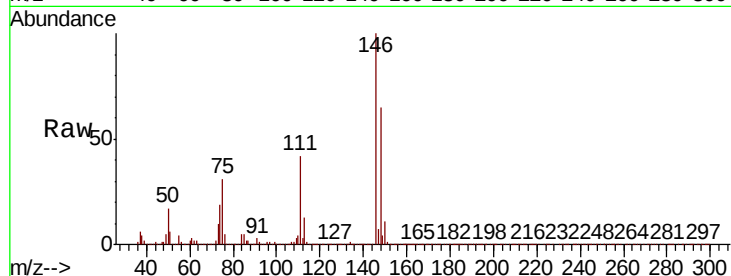
Tot Ion:146 Resp: 601613

Ion Ratio Lower Upper

146 100

111 41.7 21.0 63.0

148 64.2 32.4 97.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.297 ug/l

RT: 12.98 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VX015377.D

Acq: 27 Mar 2020 13:19

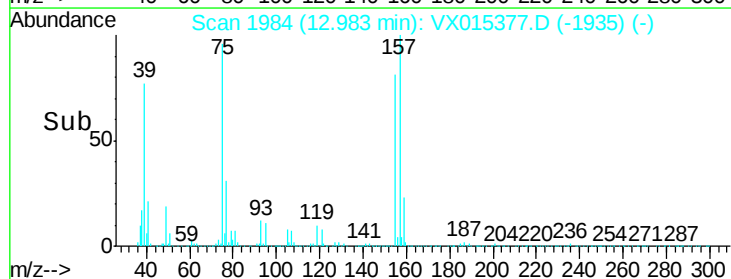
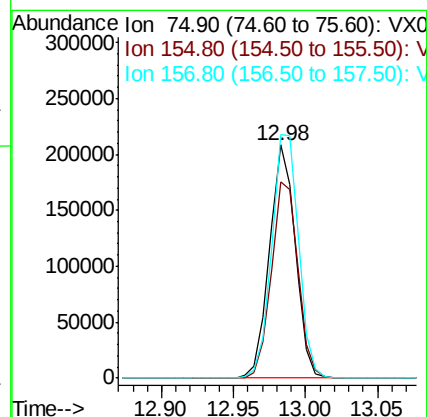
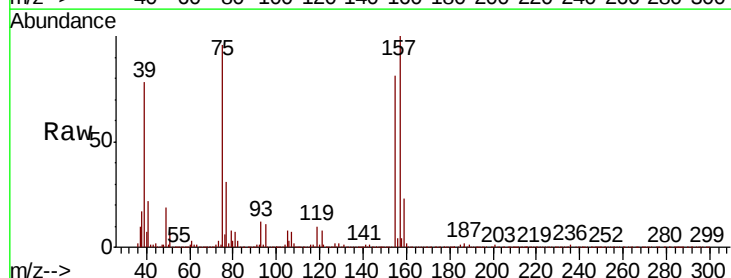
Tgt Ion: 75 Resp: 257500

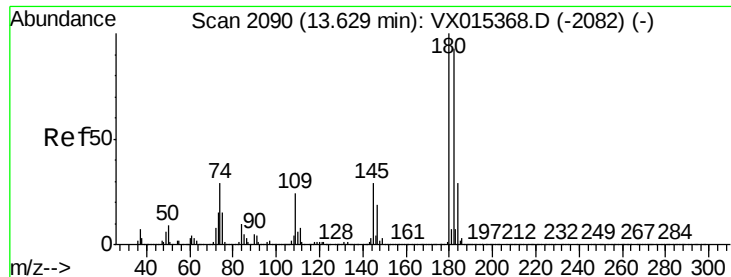
Ion Ratio Lower Upper

75 100

155 86.7 42.8 128.4

157 109.5 53.4 160.3

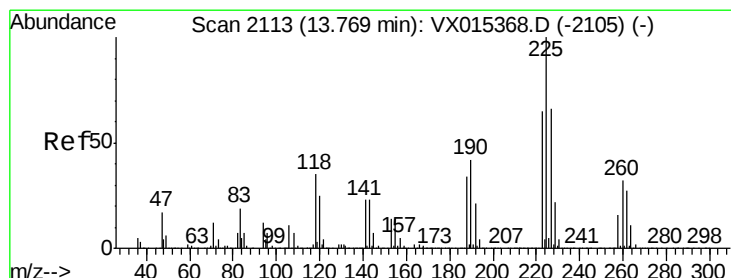
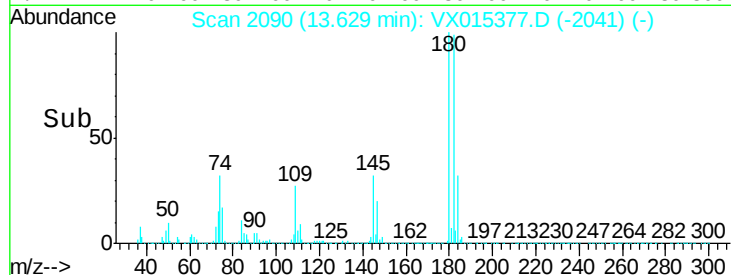
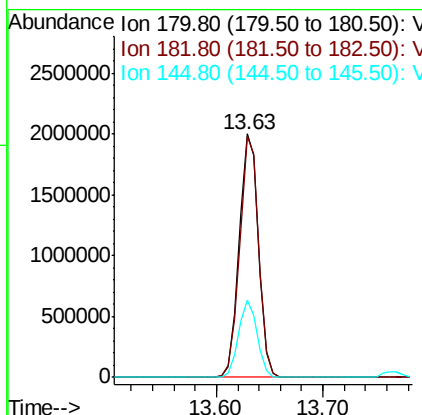
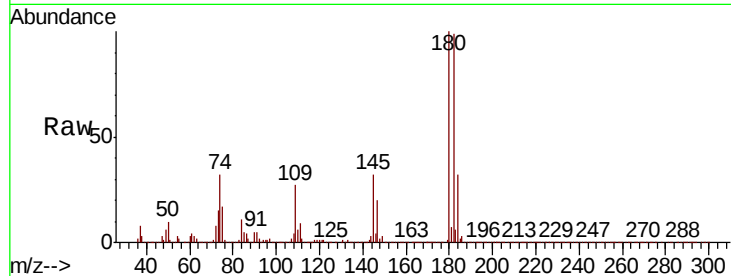




#93
 1,2,4-Trichlorobenzene
 Concen: 123.914 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VX015377.D
 Acq: 27 Mar 2020 13:19

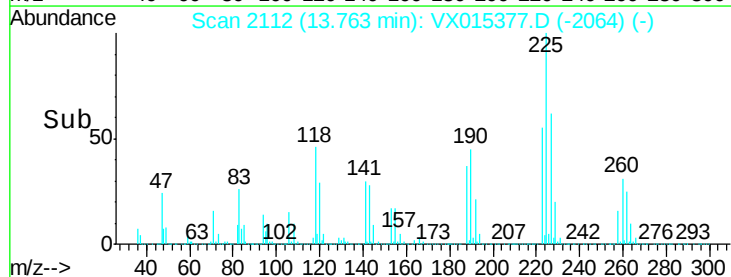
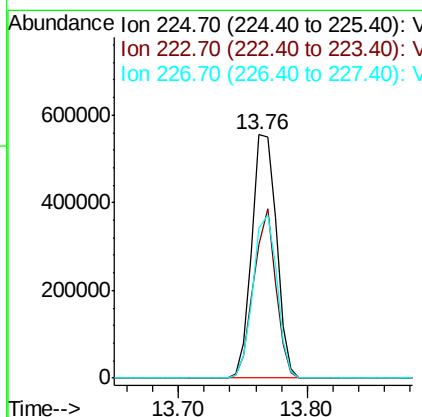
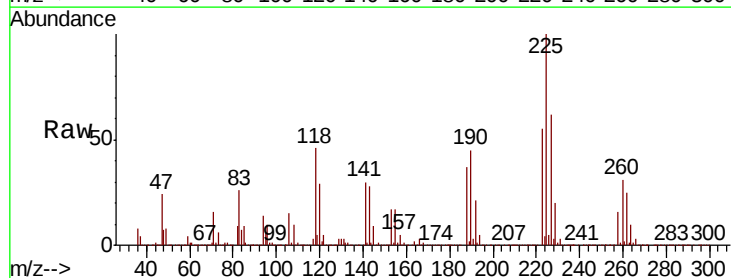
Instrument :
 MSVOA_X
 ClientSampled :
 PT-VOA-WP

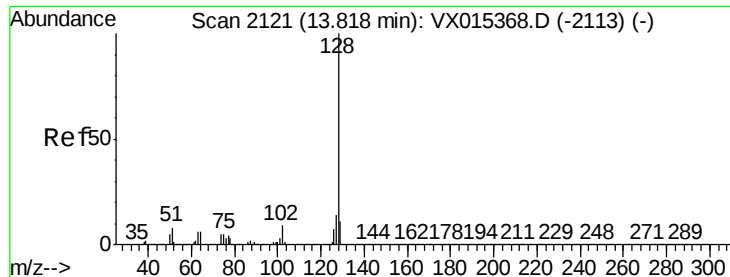
Tot Ion:180 Resp: 2521541
 Ion Ratio Lower Upper
 180 100
 182 97.7 46.9 140.7
 145 30.9 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 75.157 ug/l
 RT: 13.76 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VX015377.D
 Acq: 27 Mar 2020 13:19

Tgt Ion:225 Resp: 728146
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.9 95.7
 227 65.4 30.4 91.3

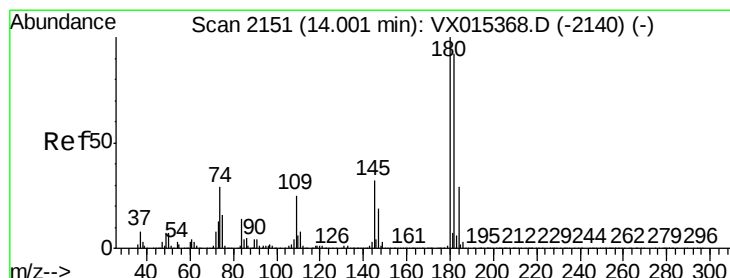
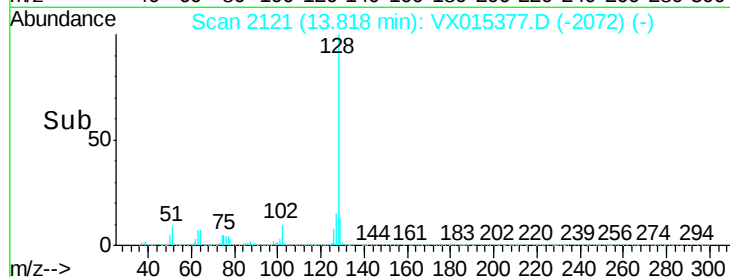
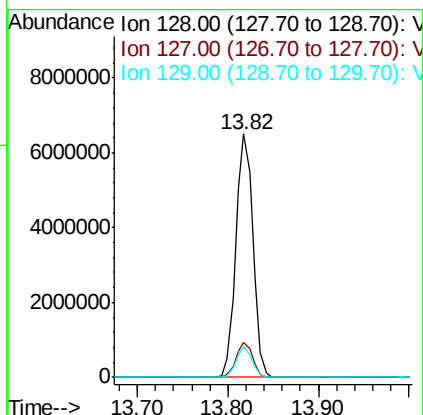
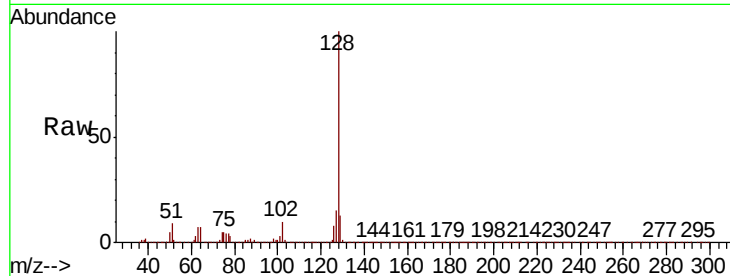




#95
Naphthalene
Concen: 136.696 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

Tot Ion:128 Resp: 8484992
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 11.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.868 ug/l
RT: 14.00 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VX015377.D
Acq: 27 Mar 2020 13:19

Tgt Ion:180 Resp: 17003
Ion Ratio Lower Upper
180 100
182 101.6 46.7 140.0
145 38.2 15.8 47.3

