

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014150.D
 Acq On : 20 Dec 2019 04:05
 Operator : JC/SP
 Sample : K6372-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:02:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	552050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	845401	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	749548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	324492	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	302600	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
35) Dibromofluoromethane	5.49	113	245812	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
50) Toluene-d8	8.71	98	996110	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	327001	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	

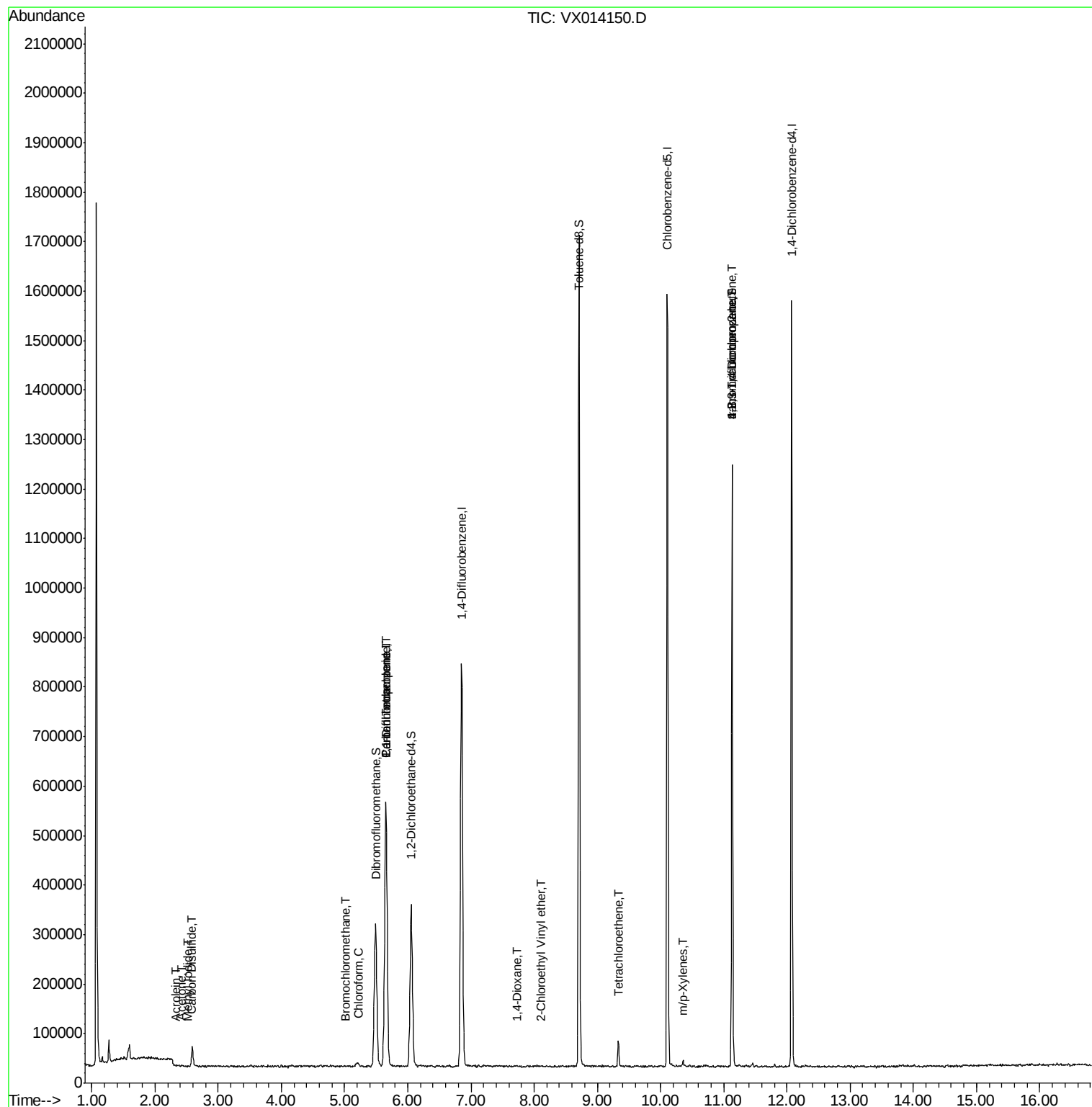
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	861	2.739	ug/l #	33
13) Acrolein	2.33	56	1080	1.396	ug/l #	34
16) Acetone	2.43	43	2136	0.526	ug/l	98
17) Carbon Disulfide	2.57	76	2103	0.891	ug/l #	80
28) Bromochloromethane	5.01	49	352	0.540	ug/l #	68
30) Chloroform	5.21	83	10939	1.098	ug/l	89
36) 1,1-Dichloropropene	5.65	75	37779	4.870	ug/l #	49
38) Carbon Tetrachloride	5.65	117	48115	6.809	ug/l #	16
49) 1,4-Dioxane	7.74	88	57	0.403	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.11	63	891	0.248	ug/l	91
64) Tetrachloroethene	9.33	164	10983	1.656	ug/l	97
68) m/p-Xylenes	10.36	106	3693	0.350	ug/l	84
76) 1,2,3-Trichloropropane	11.13	75	159270	22.609	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	159270	63.813	ug/l #	12

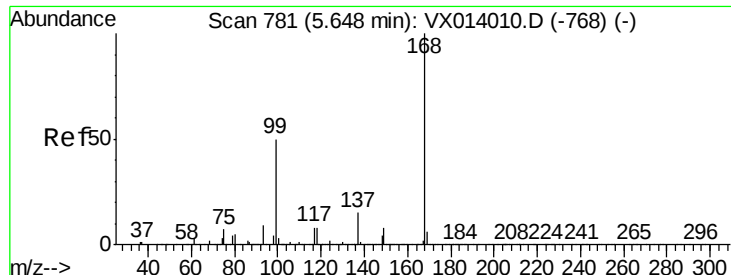
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

Instrument :

MSVOA_X

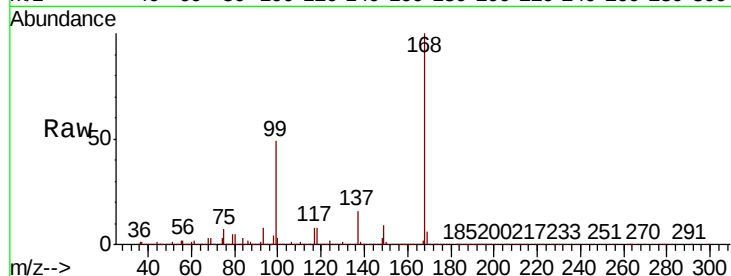
ClientSampled :

Tot Ion:168 Resp: 552050

Ion Ratio Lower Upper

168 100

99 49.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

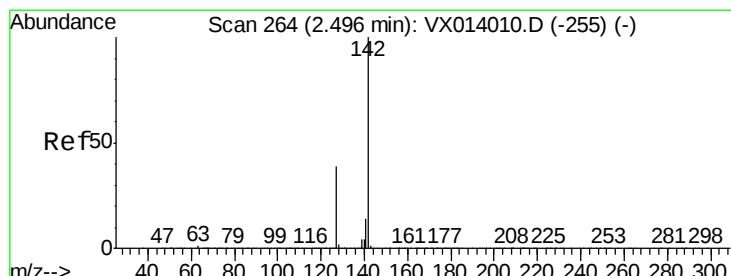
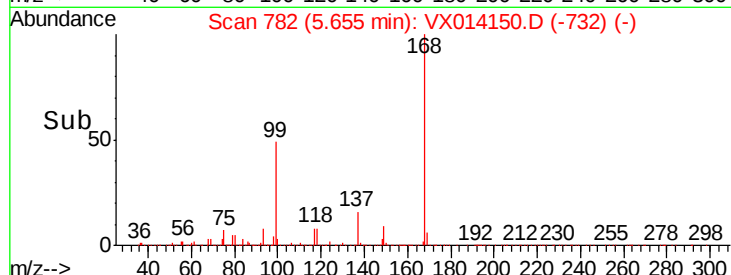
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.739 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

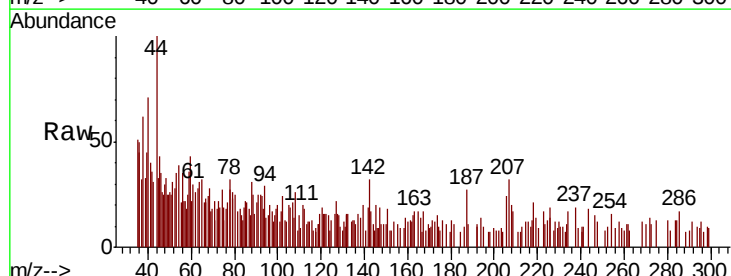
Tgt Ion:142 Resp: 861

Ion Ratio Lower Upper

142 100

127 73.4 31.6 47.4#

141 55.4 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

500

400

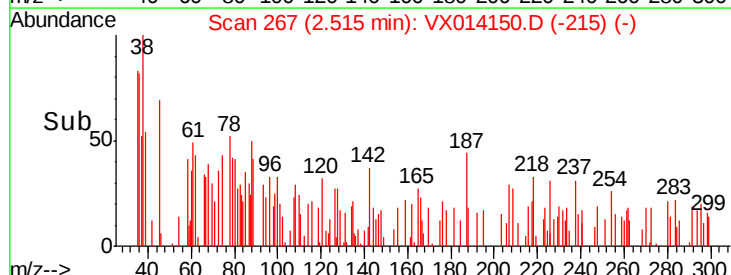
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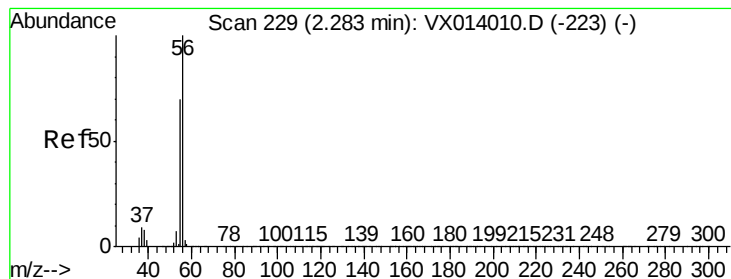
200

100

0

Time-->





#13

Acrolein

Concen: 1.396 ug/l

RT: 2.33 min Scan# 236

Delta R.T. 0.04 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

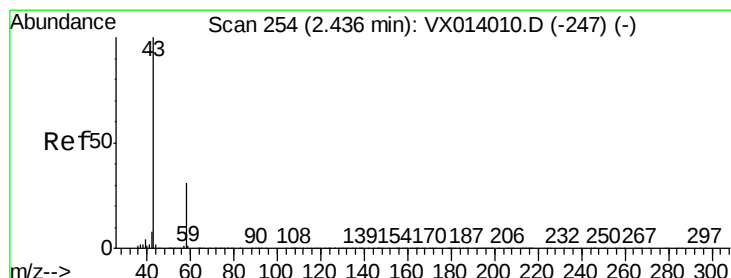
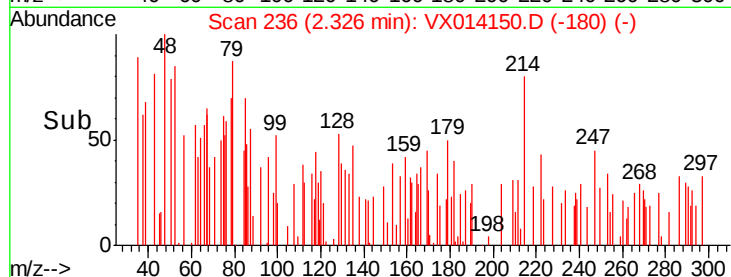
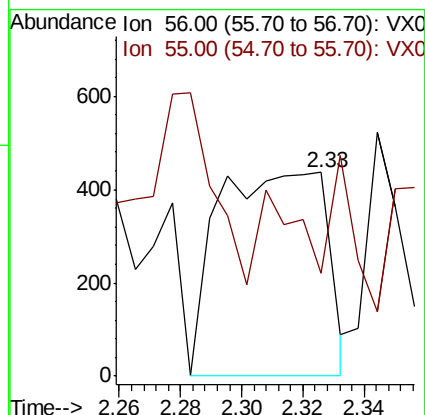
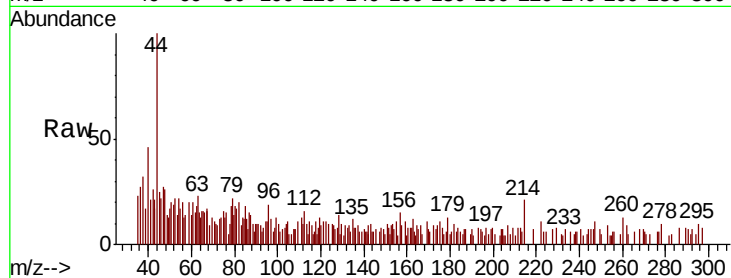
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 1080

Ion Ratio Lower Upper

56 100

55 16.9 56.9 85.3#



#16

Acetone

Concen: 0.526 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014150.D

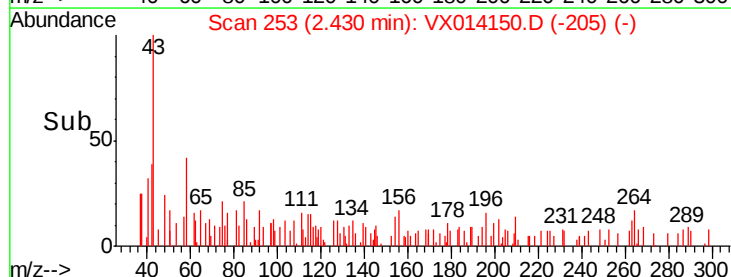
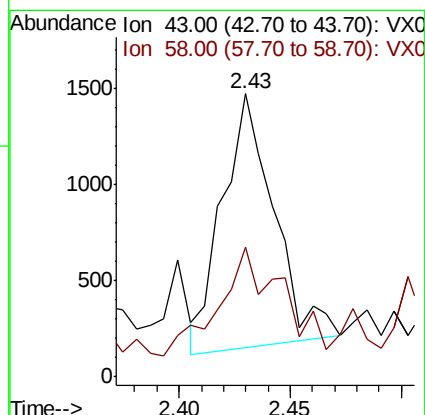
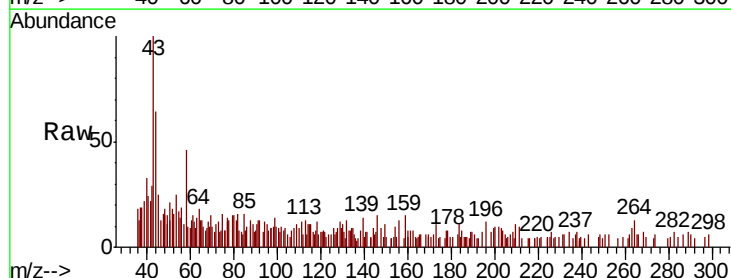
Acq: 20 Dec 2019 04:05

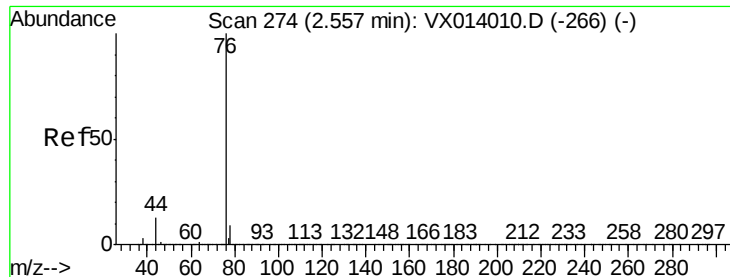
Tgt Ion: 43 Resp: 2136

Ion Ratio Lower Upper

43 100

58 32.2 24.9 37.3

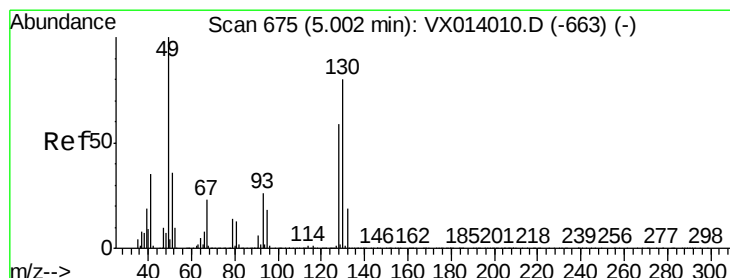
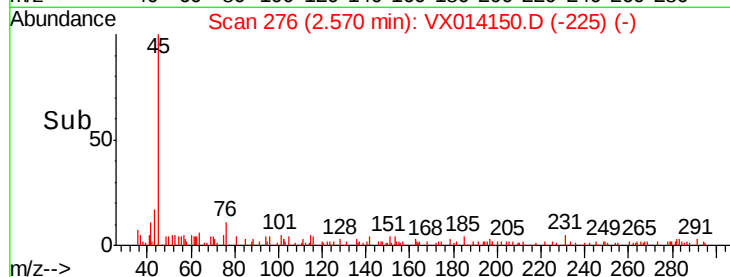
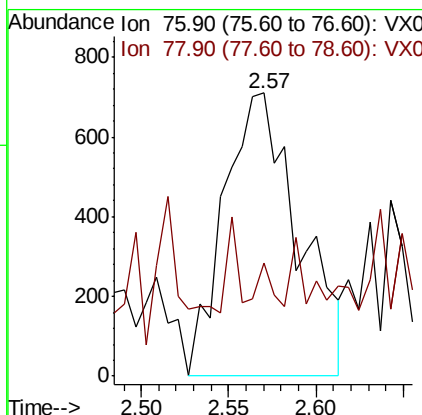
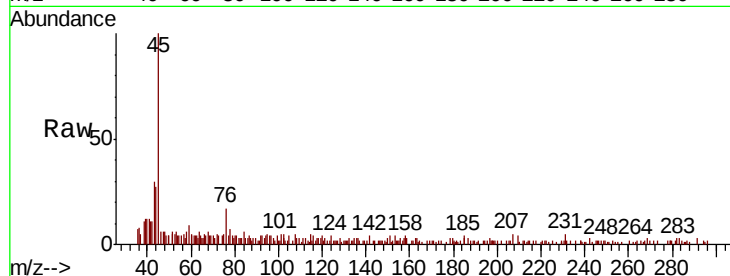




#17
Carbon Disulfide
Concen: 0.891 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX014150.D
Acq: 20 Dec 2019 04:05

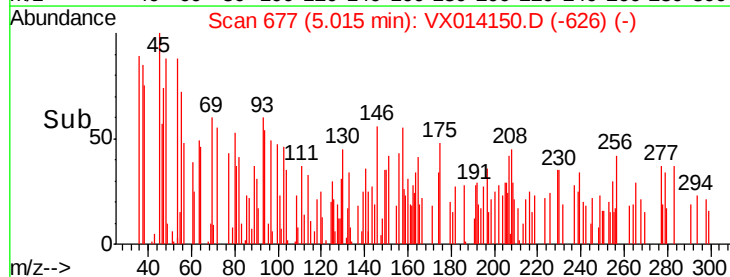
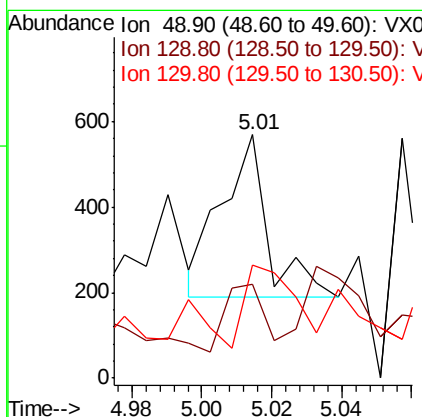
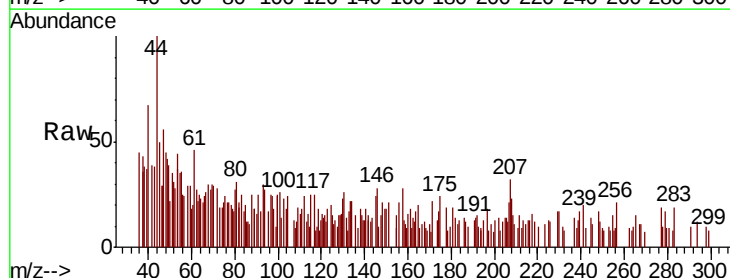
Instrument :
MSVOA_X
ClientSampleId :

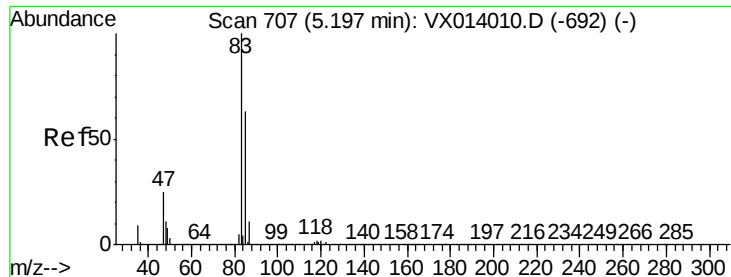
Tot Ion: 76 Resp: 2103
Ion Ratio Lower Upper
76 100
78 16.2 7.2 10.8#



#28
Bromochloromethane
Concen: 0.540 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX014150.D
Acq: 20 Dec 2019 04:05

Tgt Ion: 49 Resp: 352
Ion Ratio Lower Upper
49 100
129 38.9 0.0 5.0#
130 54.8 64.6 97.0#

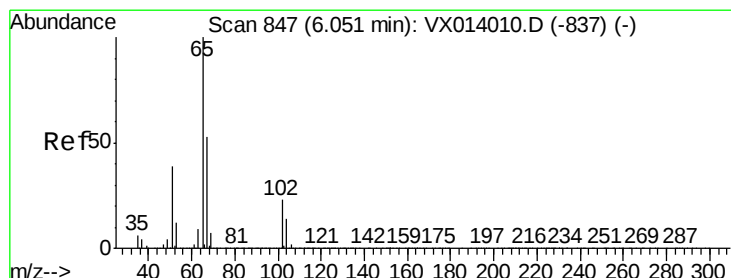
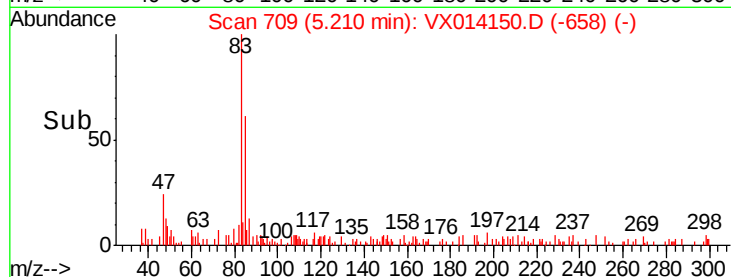
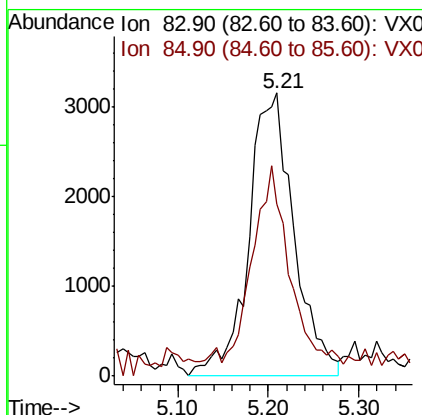
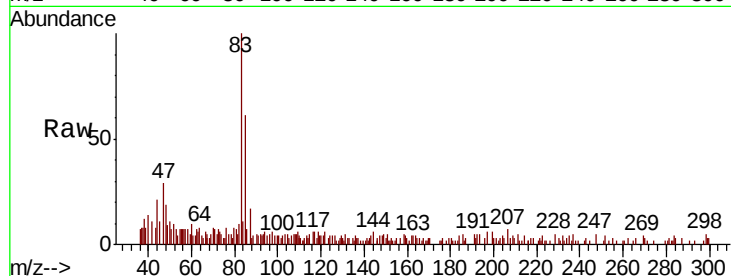




#30
Chloroform
Concen: 1.098 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX014150.D
Acq: 20 Dec 2019 04:05

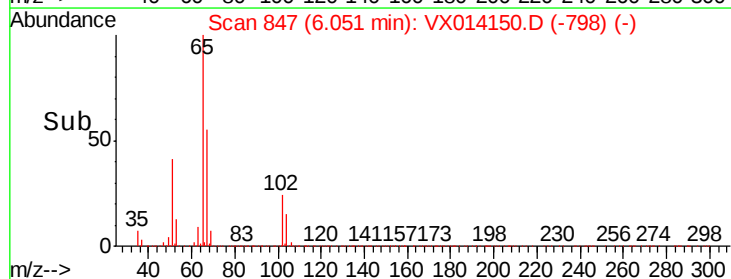
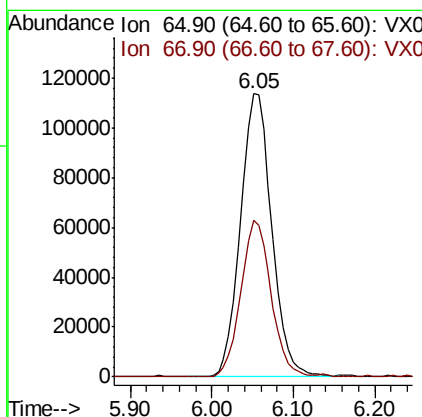
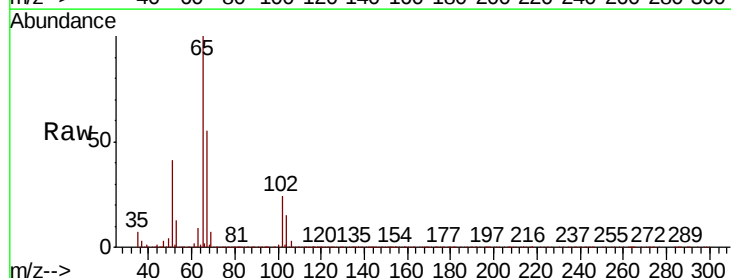
Instrument :
MSVOA_X
ClientSampled :

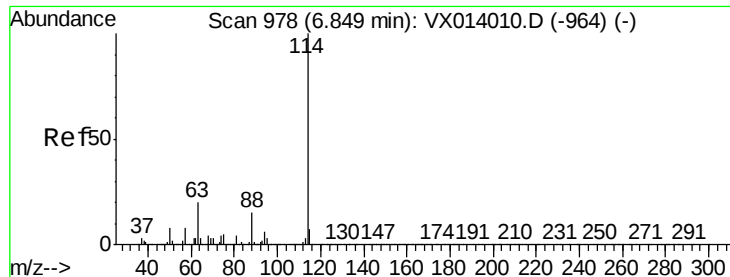
Tot Ion: 83 Resp: 10939
Ion Ratio Lower Upper
83 100
85 54.7 50.8 76.2



#33
1,2-Dichloroethane-d4
Concen: 48.364 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014150.D
Acq: 20 Dec 2019 04:05

Tgt Ion: 65 Resp: 302600
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

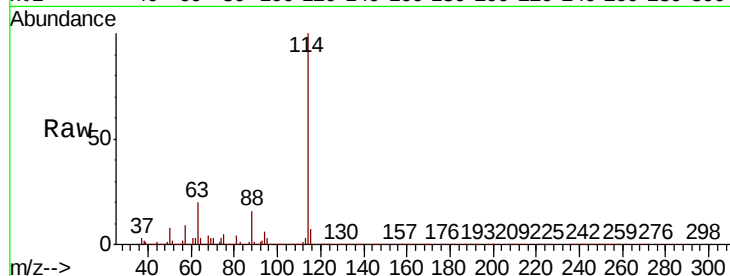
Tot Ion:114 Resp: 845401

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

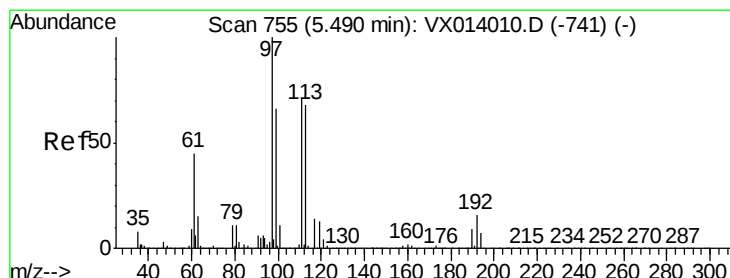
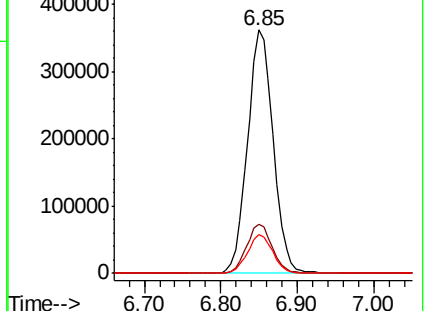
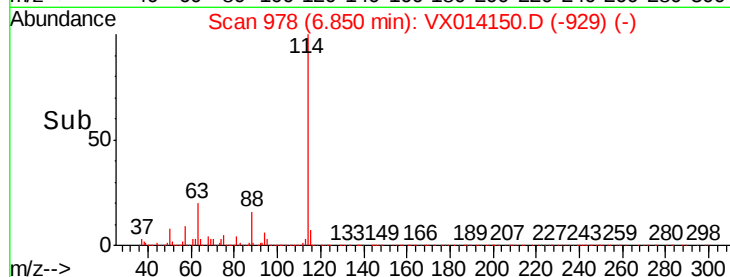
88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.832 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

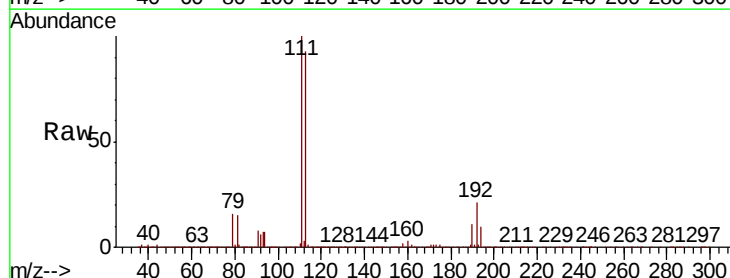
Tgt Ion:113 Resp: 245812

Ion Ratio Lower Upper

113 100

111 104.6 82.0 123.0

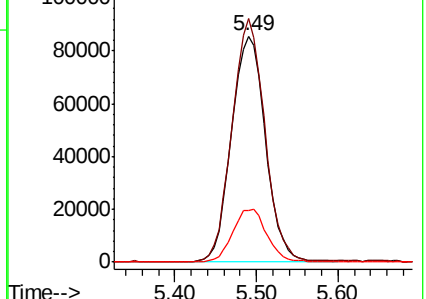
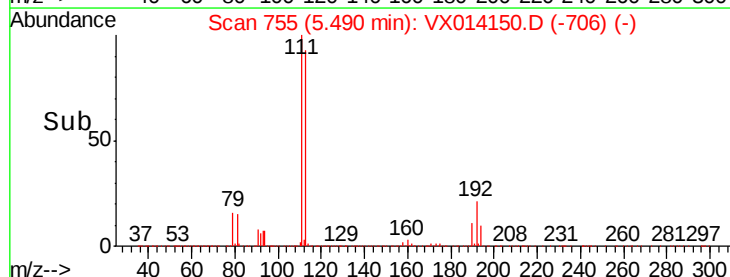
192 23.7 19.3 28.9

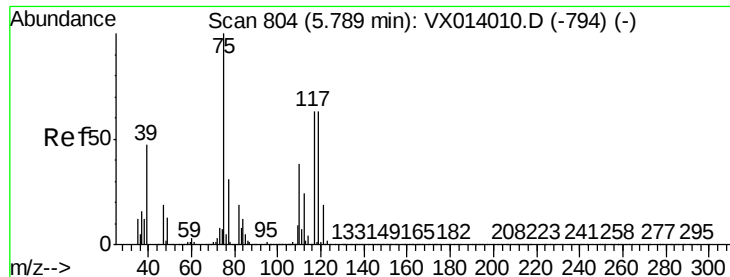


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.870 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

Instrument :

MSVOA_X

ClientSampleId :

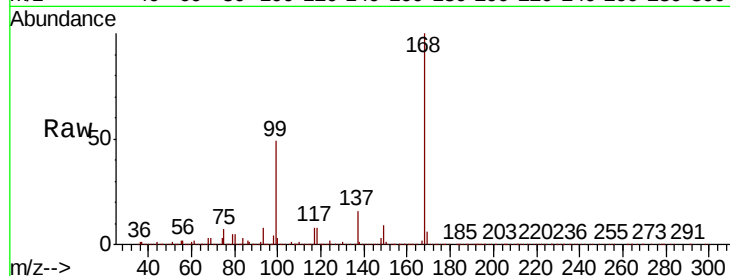
Tot Ion: 75 Resp: 37779

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.9#

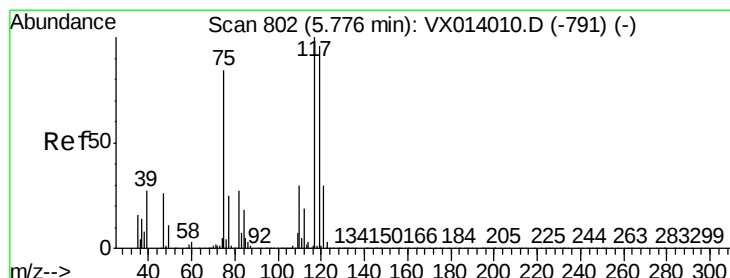
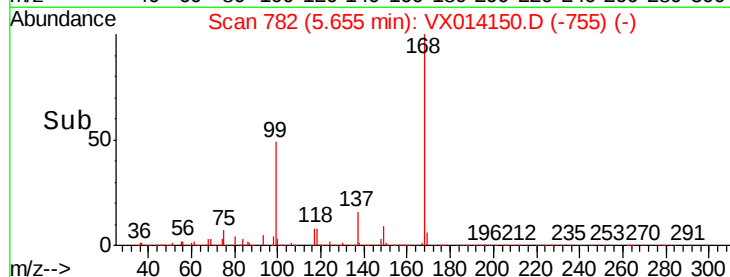
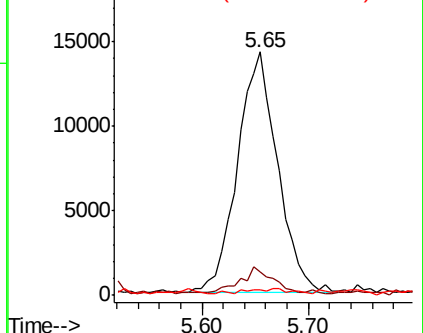
77 0.6 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.809 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

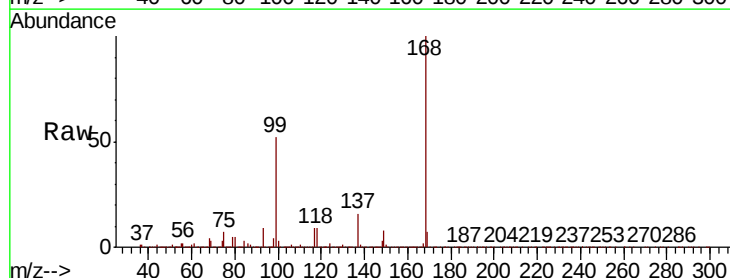
Tgt Ion: 117 Resp: 48115

Ion Ratio Lower Upper

117 100

119 4.2 76.2 114.4#

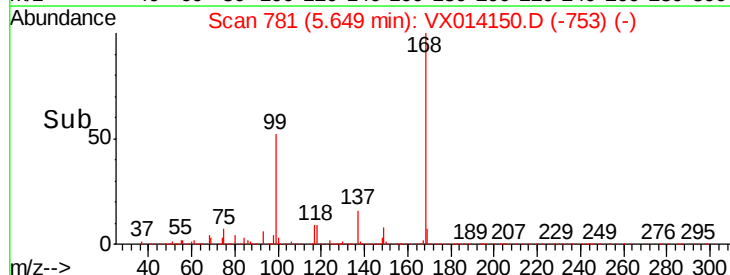
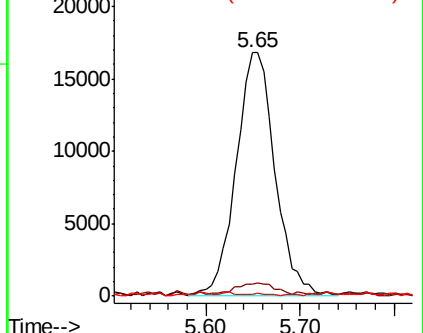
121 0.3 23.6 35.4#

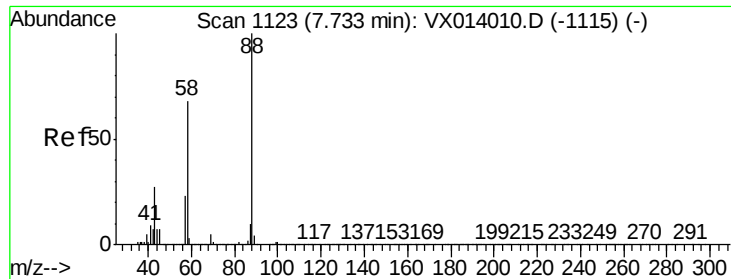


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.403 ug/l

RT: 7.74 min Scan# 1124

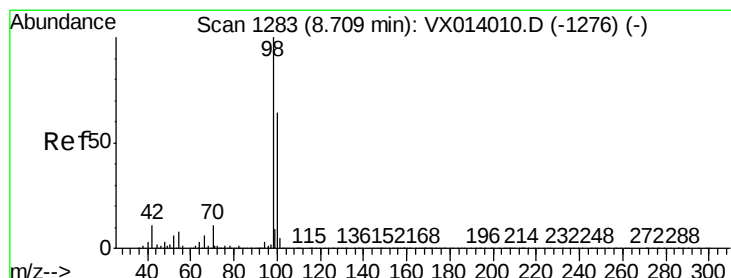
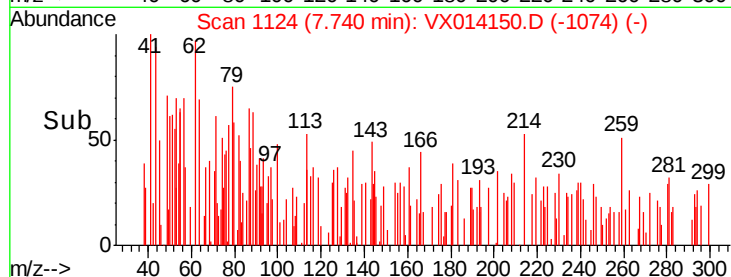
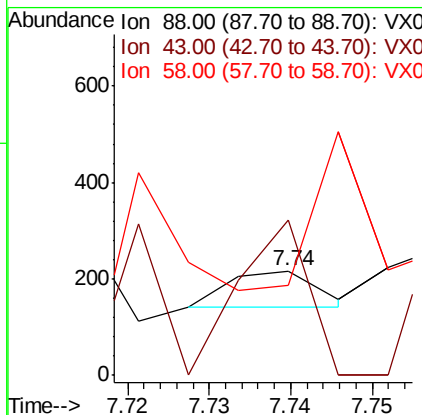
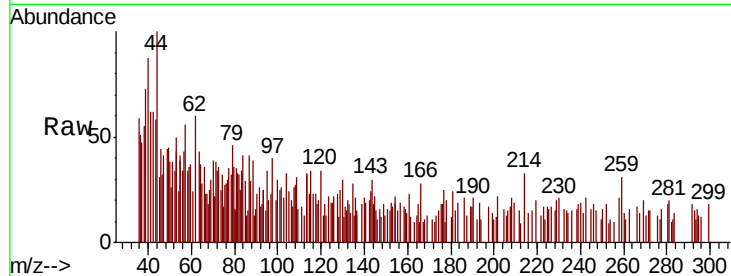
Delta R.T. 0.01 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

Instrument :
MSVOA_X
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Tot Ion:	88	Resp:	57
Ion	Ratio	Lower	Upper
88	100		
43	333.3	26.5	39.7#
58	396.5	56.8	85.2#



#50

Toluene-d8

Concen: 49.786 ug/l

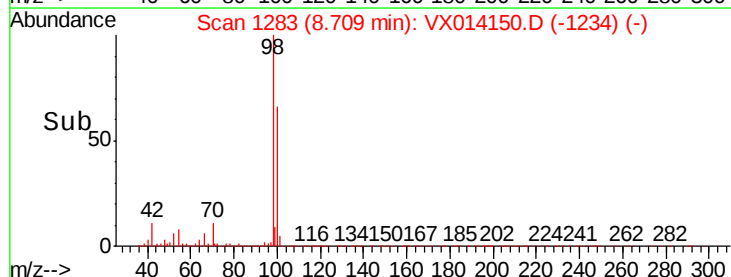
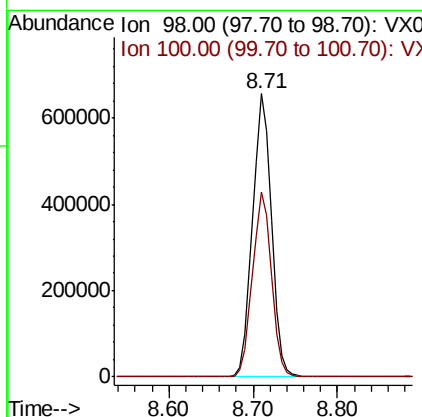
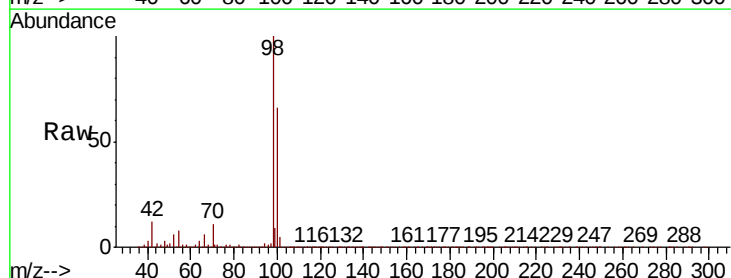
RT: 8.71 min Scan# 1283

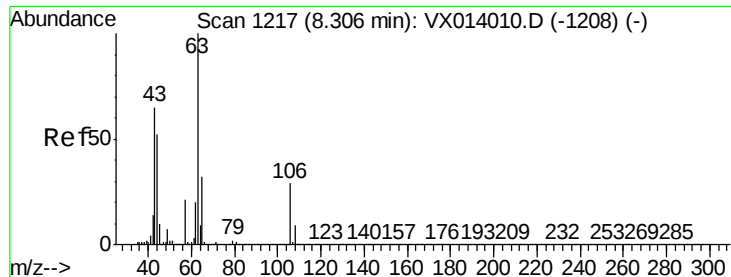
Delta R.T. 0.00 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

Tgt Ion:	98	Resp:	996110
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.9	79.3

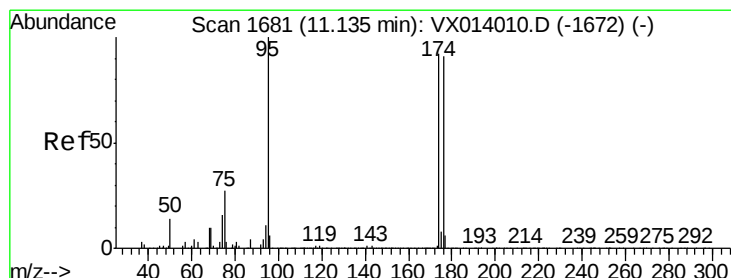
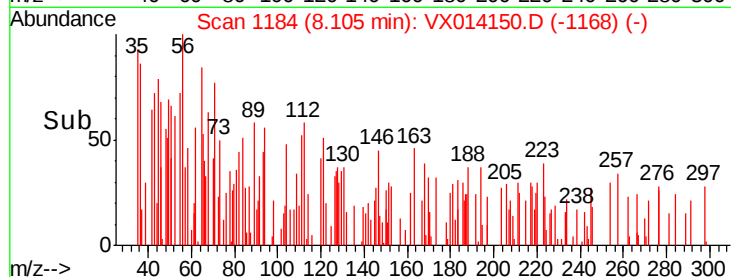
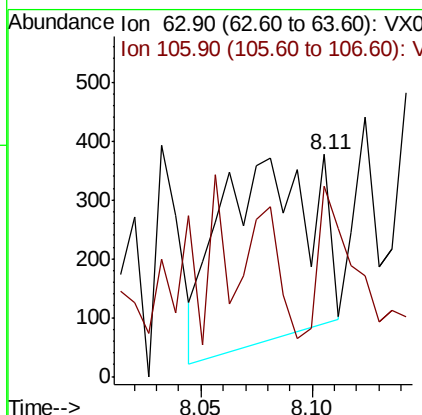
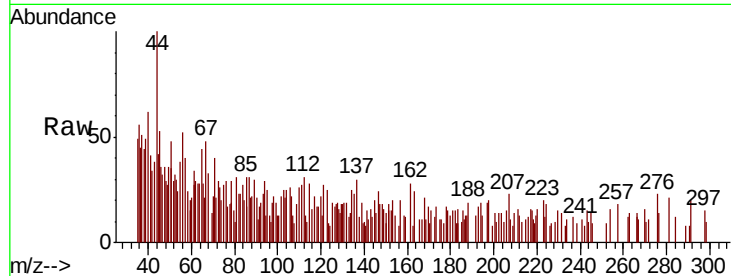




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.248 ug/l
 RT: 8.11 min Scan# 1184
 Delta R.T. -0.20 min
 Lab File: VX014150.D
 Acq: 20 Dec 2019 04:05

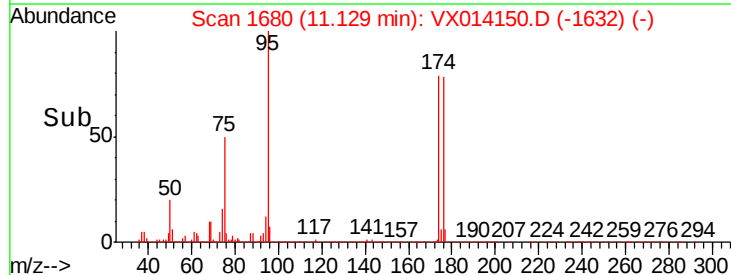
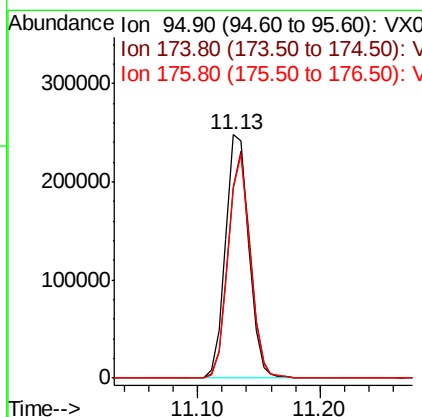
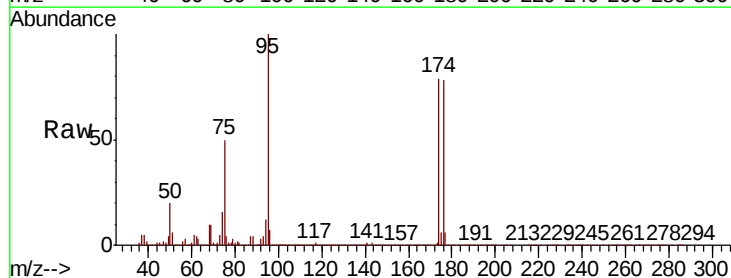
Instrument :
 MSVOA_X
 ClientSampleId :

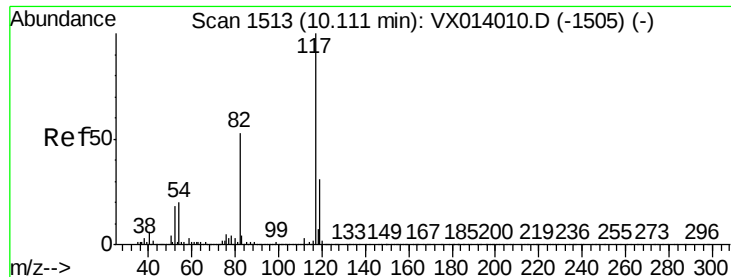
Tot Ion: 63 Resp: 891
 Ion Ratio Lower Upper
 63 100
 106 33.8 23.0 34.6



#62
 4-Bromofluorobenzene
 Concen: 44.710 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014150.D
 Acq: 20 Dec 2019 04:05

Tgt Ion: 95 Resp: 327001
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 175.8
 176 86.6 0.0 173.0

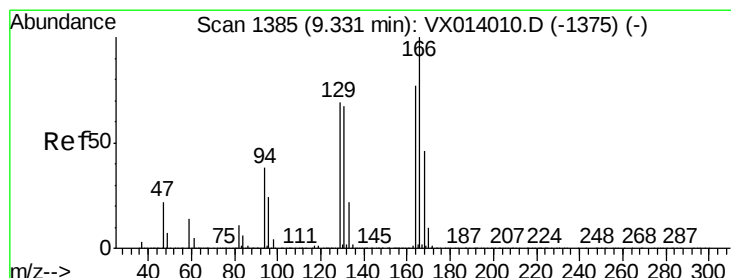
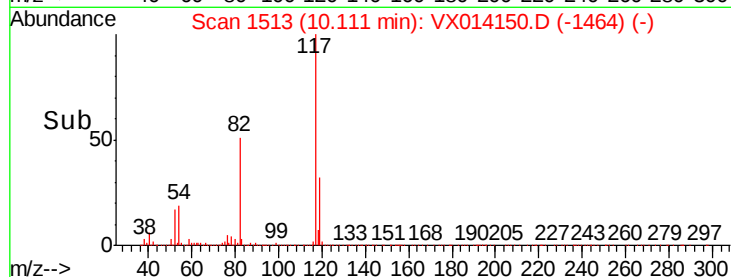
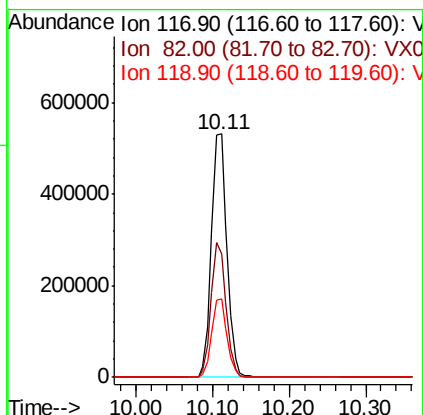
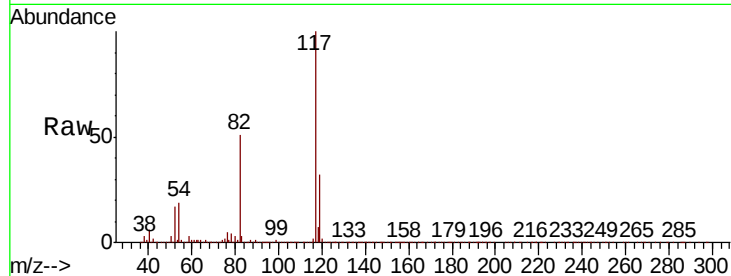




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014150.D
Acq: 20 Dec 2019 04:05

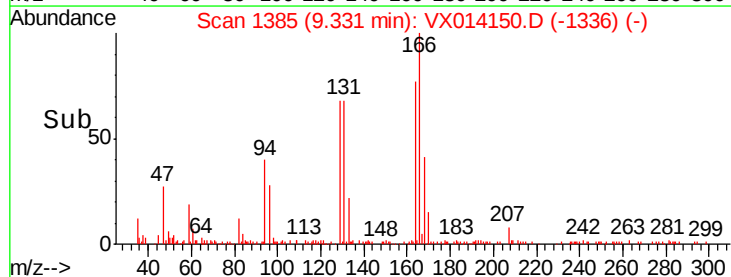
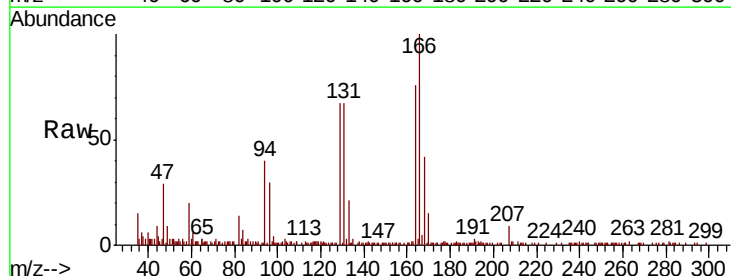
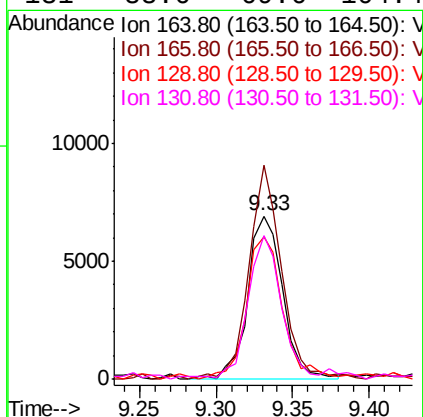
Instrument :
MSVOA_X
ClientSampleId :

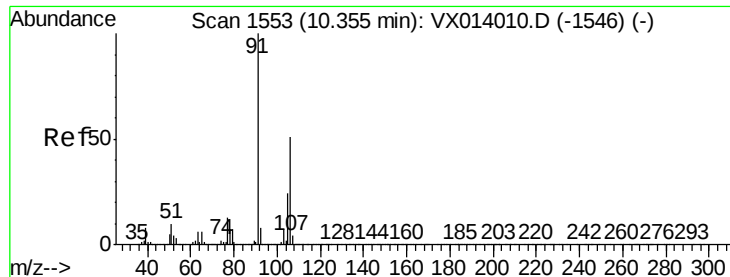
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	42.2	63.4
119	32.2	25.1	37.7



#64
Tetrachloroethene
Concen: 1.656 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014150.D
Acq: 20 Dec 2019 04:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	104.0	156.0
129	87.5	72.2	108.4
131	88.6	69.6	104.4





#68

m/p-Xvlenes

Concen: 0.350 ug/l

RT: 10.36 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

Instrument :

MSVOA_X

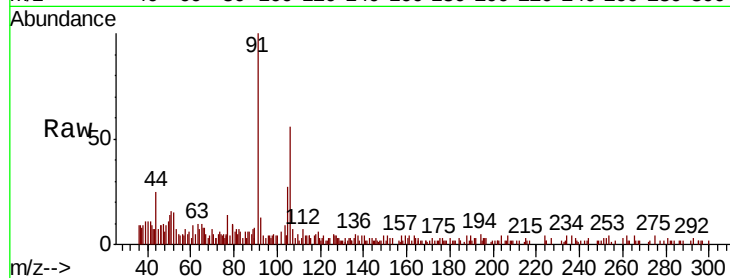
ClientSampleId :

Tot Ion:106 Resp: 3693

Ion Ratio Lower Upper

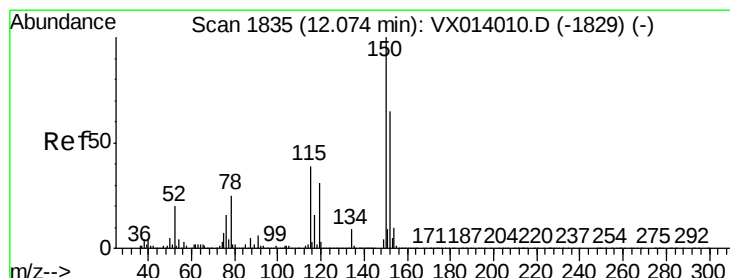
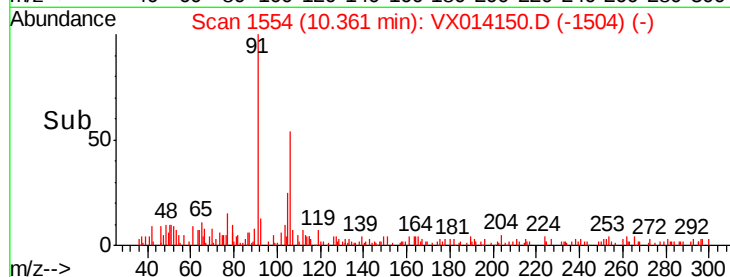
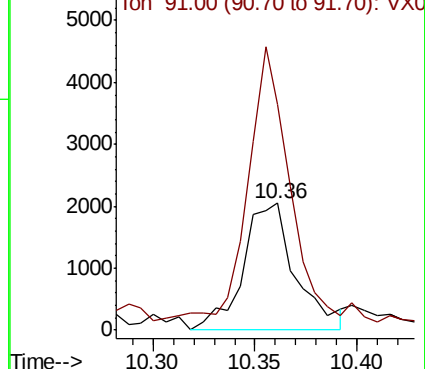
106 100

91 174.8 158.6 238.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

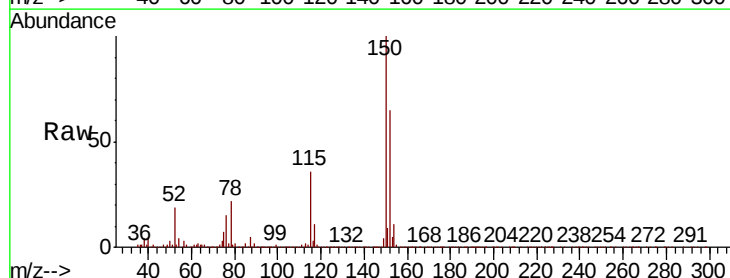
Tgt Ion:152 Resp: 324492

Ion Ratio Lower Upper

152 100

115 55.3 38.3 114.9

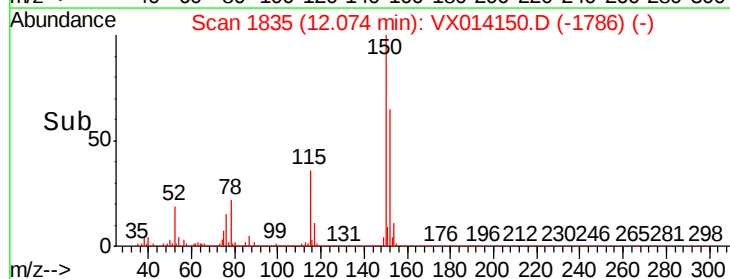
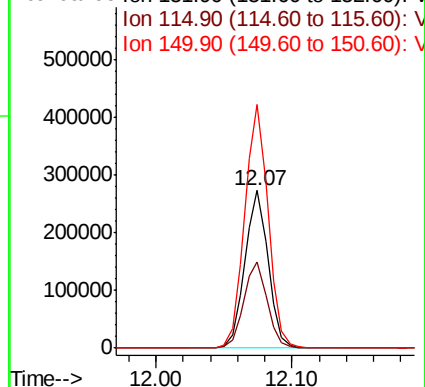
150 155.8 0.0 345.4

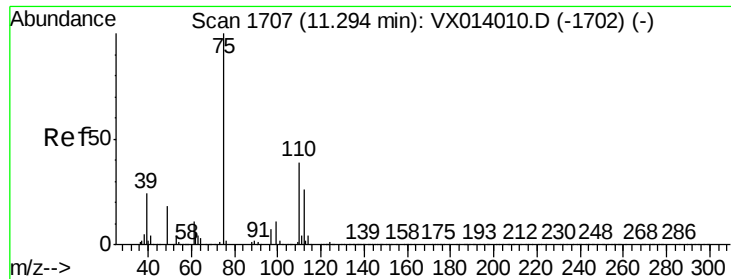


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.609 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

Instrument :

MSVOA_X

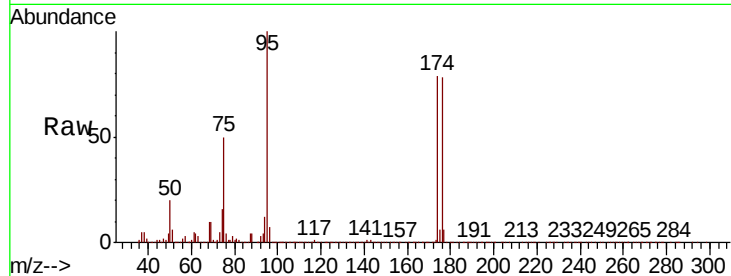
ClientSampleId :

Tot Ion: 75 Resp: 159270

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

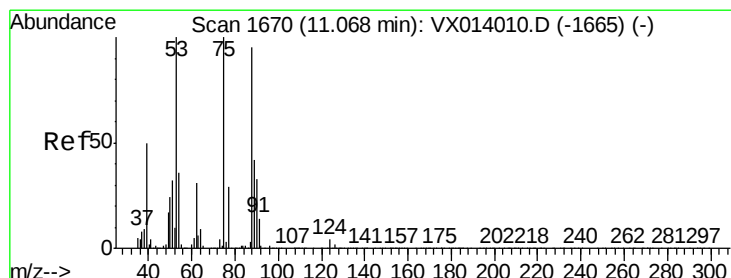
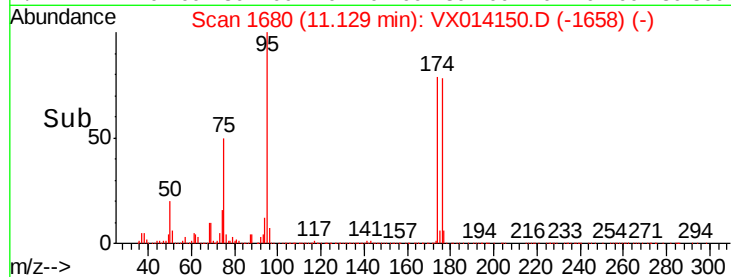
11.13

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.813 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014150.D

Acq: 20 Dec 2019 04:05

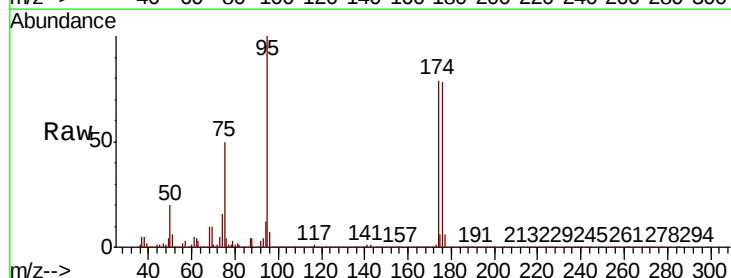
Tgt Ion: 75 Resp: 159270

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.1 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

150000

100000

50000

0

Time-->

