

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014122.D
 Acq On : 19 Dec 2019 15:51
 Operator : JC/SP
 Sample : K6347-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 00:59:54 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	540095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	831567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	729653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	328668	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	300132	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	5.49	113	248055	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	8.71	98	978833	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	326692	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	

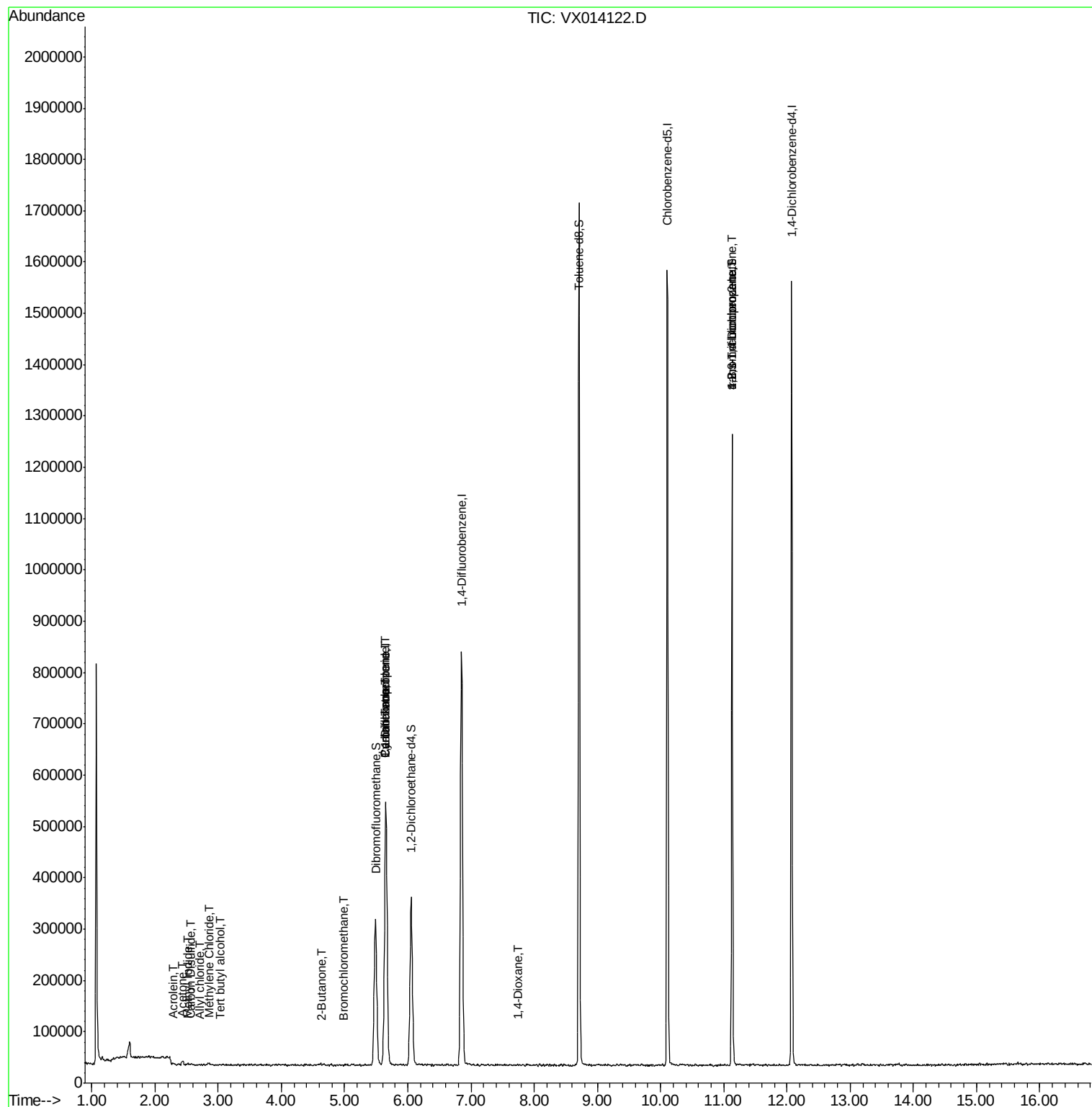
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	1840	2.880	ug/l #	74
11) Tert butyl alcohol	3.03	59	875	0.662	ug/l #	1
13) Acrolein	2.28	56	172	0.227	ug/l #	36
14) Allyl chloride	2.71	41	1994	0.215	ug/l #	34
16) Acetone	2.44	43	9377	2.360	ug/l	97
17) Carbon Disulfide	2.56	76	2239	0.903	ug/l #	51
20) Methylene Chloride	2.85	84	2170	0.347	ug/l #	69
25) 2-Butanone	4.64	43	1077	0.220	ug/l #	77
28) Bromochloromethane	4.98	49	160	0.494	ug/l #	53
31) Cyclohexane	5.65	56	9375	1.025	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	36616	4.799	ug/l #	51
38) Carbon Tetrachloride	5.65	117	47412	6.821	ug/l #	16
49) 1,4-Dioxane	7.75	88	505	3.634	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	161340	22.611	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	161340	63.821	ug/l #	12

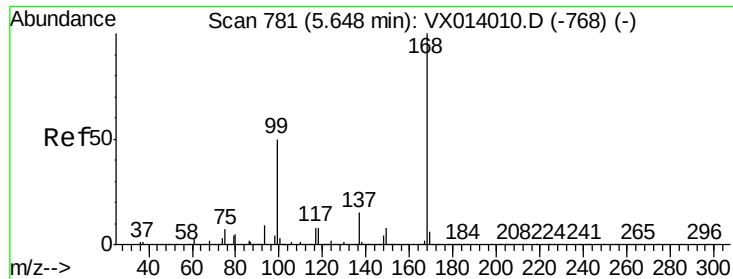
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121919\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014122.D

Acq: 19 Dec 2019 15:51

Instrument :

MSVOA_X

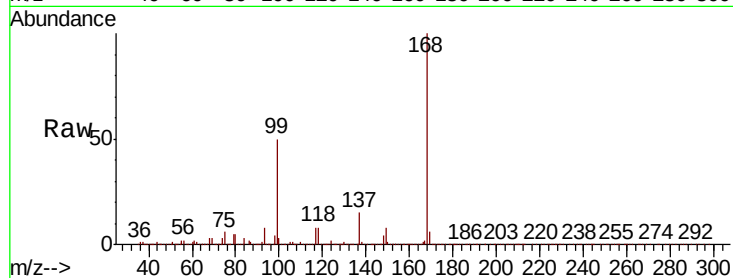
ClientSampled :

Tot Ion:168 Resp: 540095

Ion Ratio Lower Upper

168 100

99 50.4 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

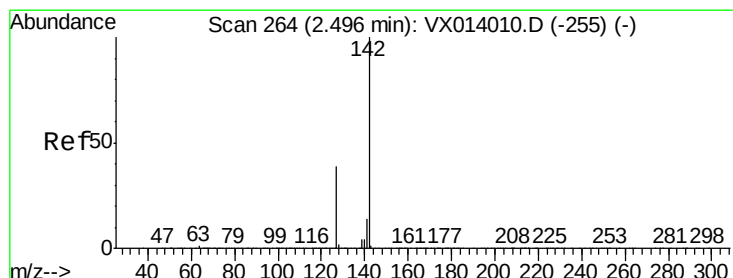
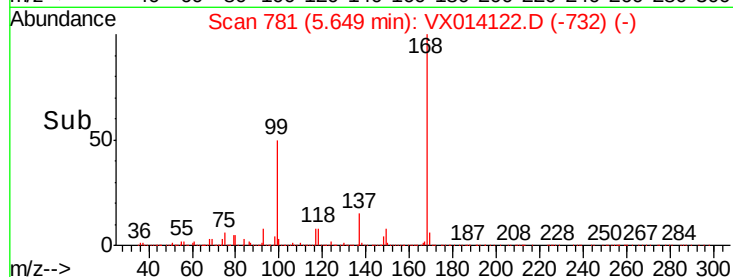
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.880 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014122.D

Acq: 19 Dec 2019 15:51

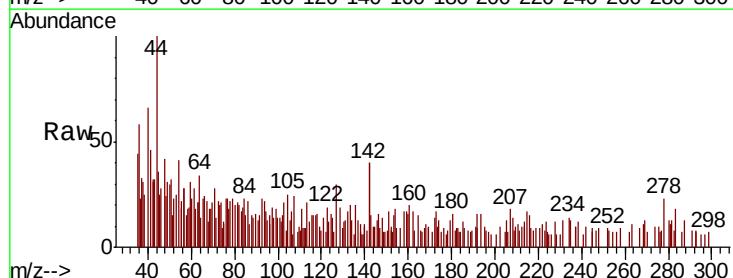
Tgt Ion:142 Resp: 1840

Ion Ratio Lower Upper

142 100

127 23.2 31.6 47.4#

141 3.6 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

2.51

1000

800

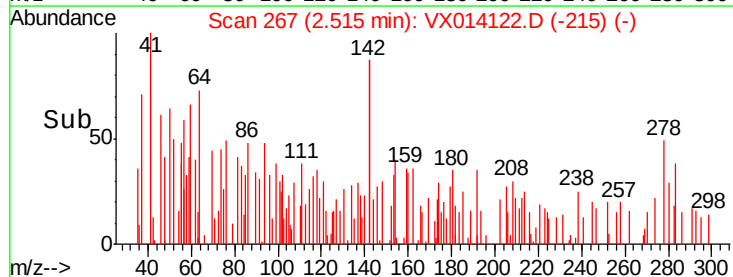
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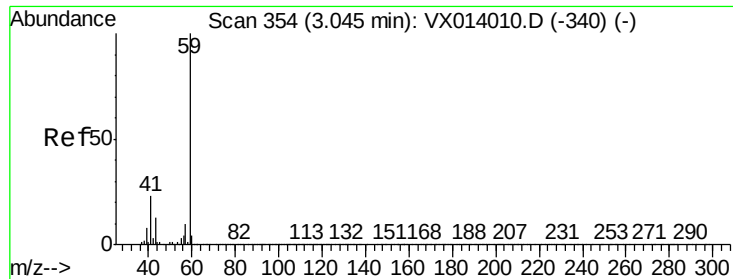
400

200

0

Time-->

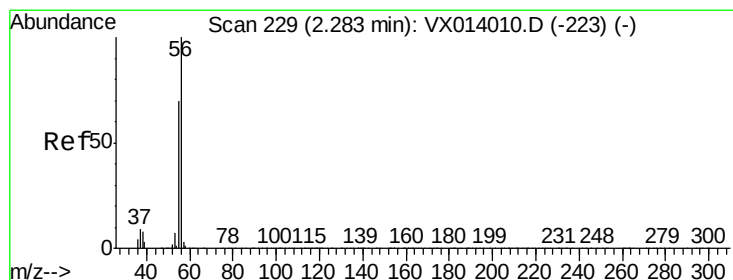
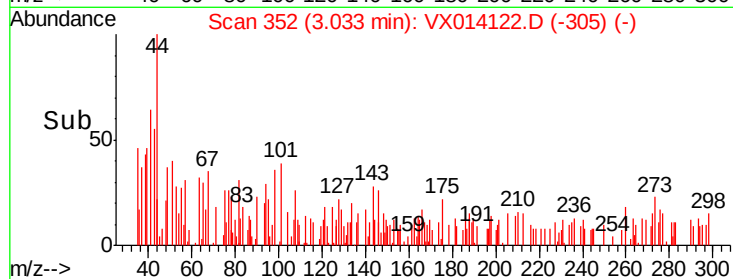
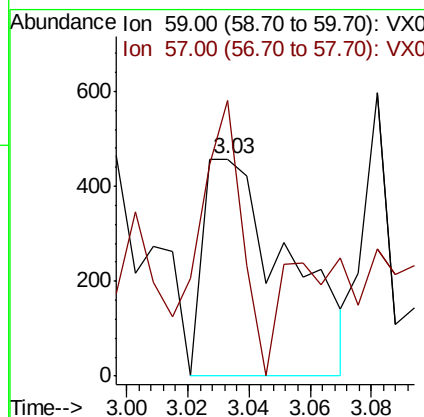
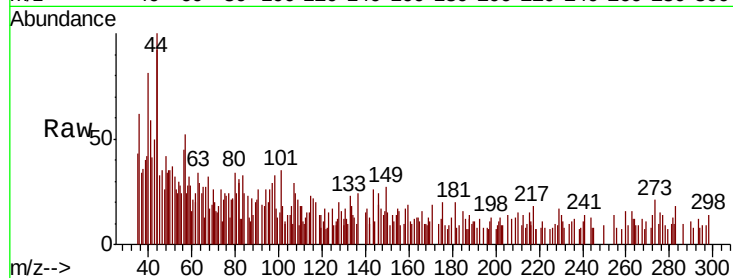




#11
Tert butyl alcohol
Concen: 0.662 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

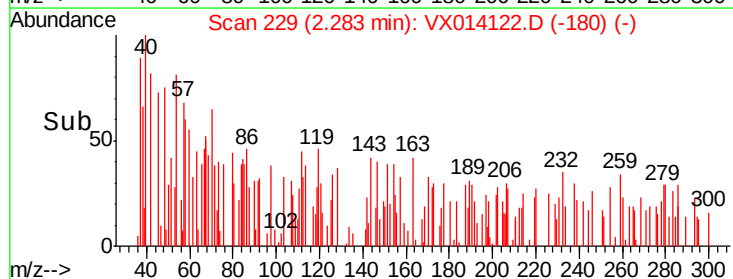
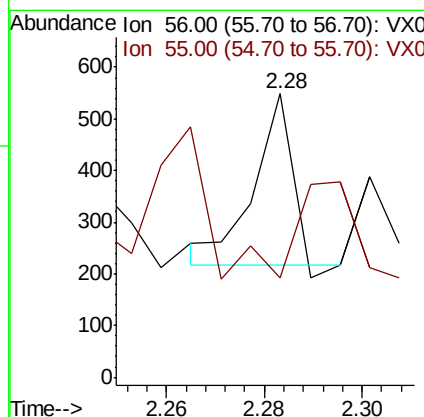
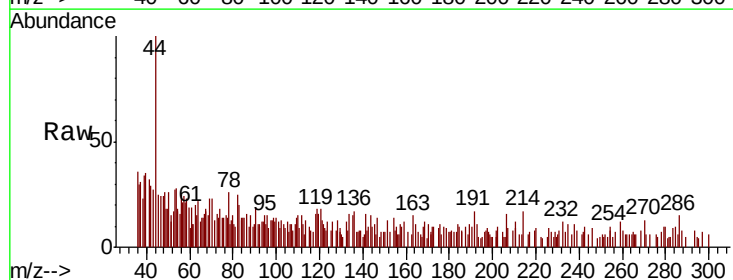
Instrument :
MSVOA_X
ClientSampled :

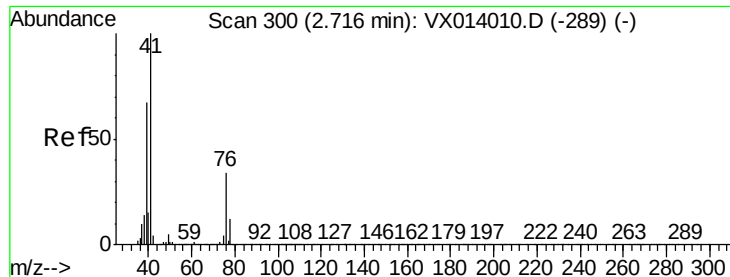
Tot Ion: 59 Resp: 875
Ion Ratio Lower Upper
59 100
57 61.4 8.4 12.6#



#13
Acrolein
Concen: 0.227 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 124.4 56.9 85.3#

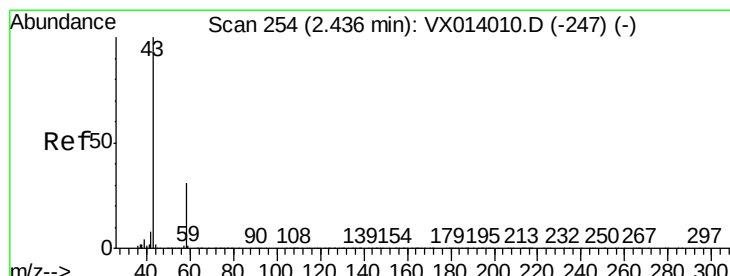
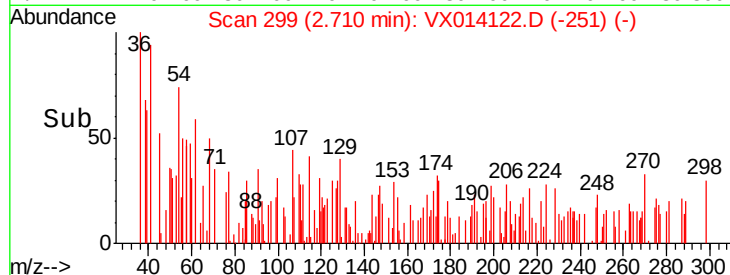
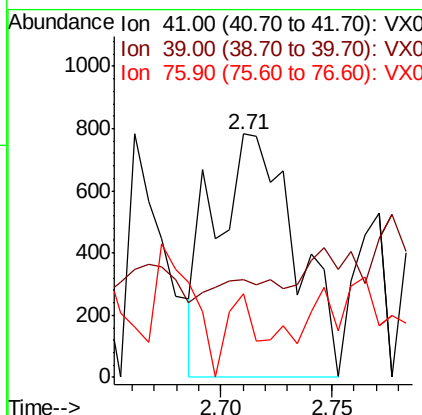
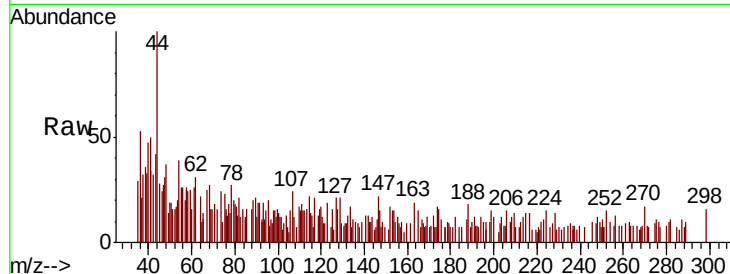




#14
Allvl chloride
Concen: 0.215 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.01 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

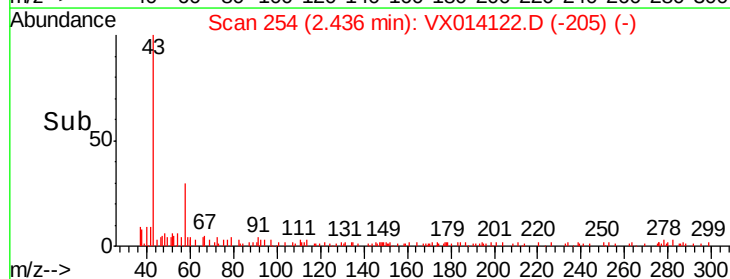
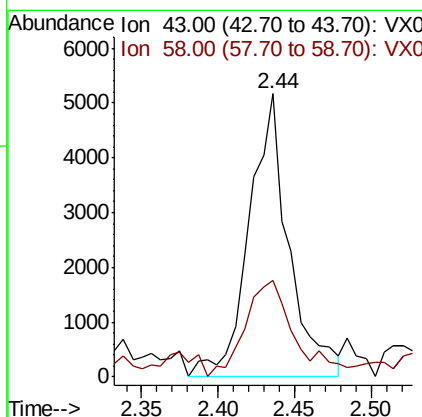
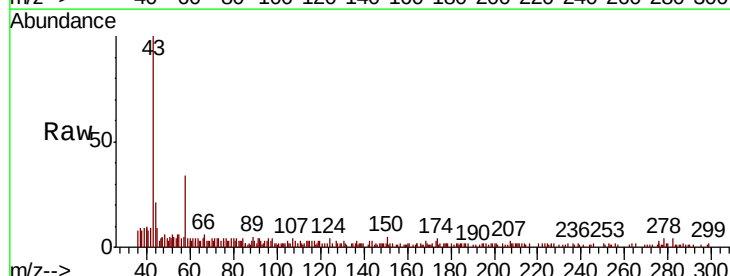
Instrument :
MSVOA_X
ClientSampleId :

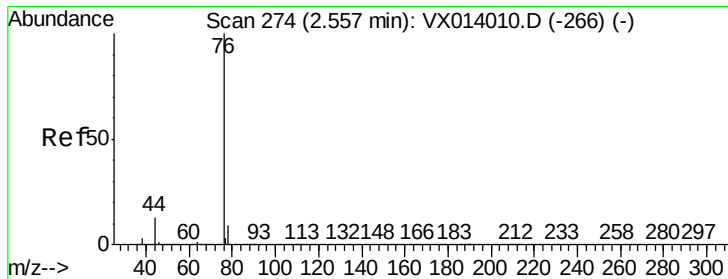
Tot Ion: 41 Resp: 1994
Ion Ratio Lower Upper
41 100
39 0.0 51.8 77.8#
76 13.2 25.9 38.9#



#16
Acetone
Concen: 2.360 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

Tgt Ion: 43 Resp: 9377
Ion Ratio Lower Upper
43 100
58 29.3 24.9 37.3





#17

Carbon Disulfide

Concen: 0.903 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014122.D

Acq: 19 Dec 2019 15:51

Instrument :

MSVOA_X

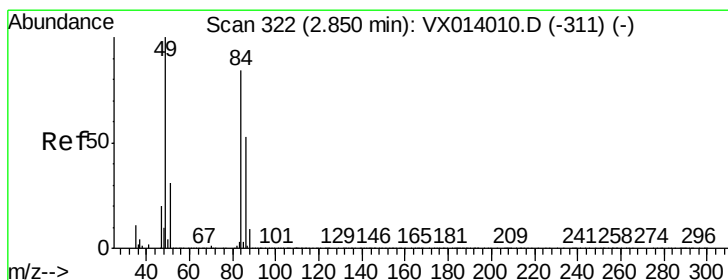
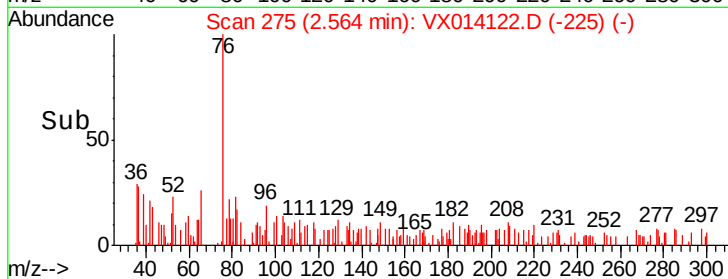
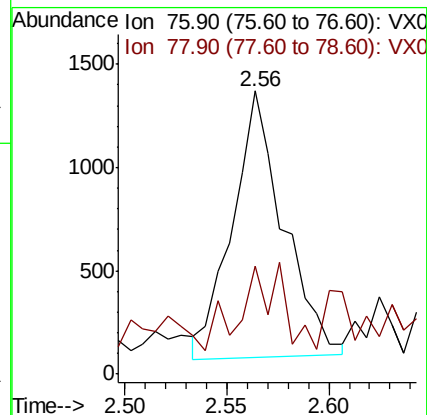
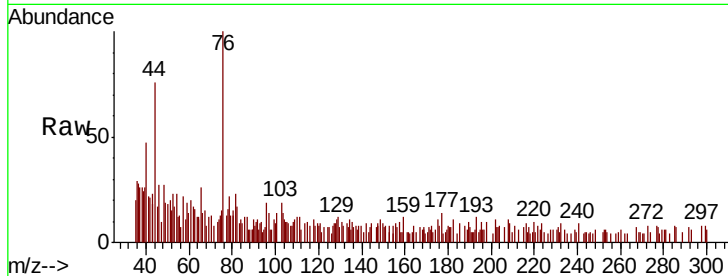
ClientSampleId :

Tot Ion: 76 Resp: 2239

Ion Ratio Lower Upper

76 100

78 26.9 7.2 10.8#



#20

Methylene Chloride

Concen: 0.347 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014122.D

Acq: 19 Dec 2019 15:51

Tgt Ion: 84 Resp: 2170

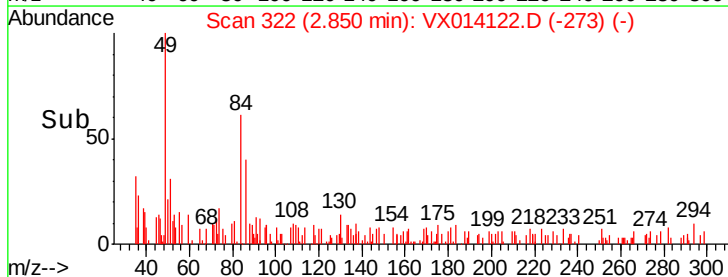
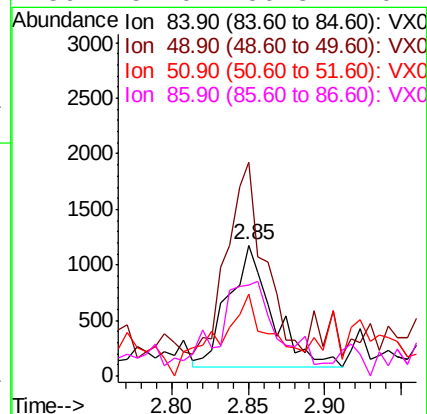
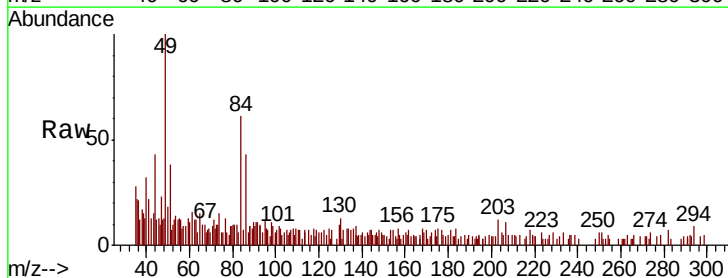
Ion Ratio Lower Upper

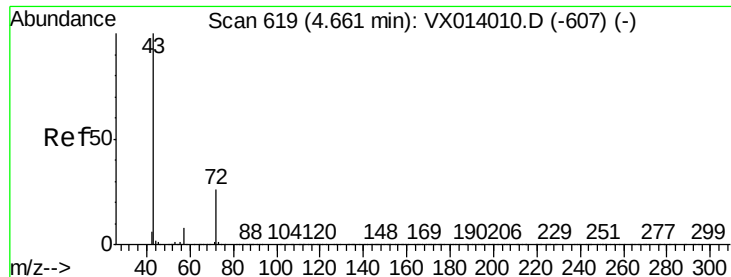
84 100

49 167.0 95.8 143.6#

51 55.6 29.8 44.8#

86 57.0 50.8 76.2





#25

2-Butanone

Concen: 0.220 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.02 min

Lab File: VX014122.D

Acq: 19 Dec 2019 15:51

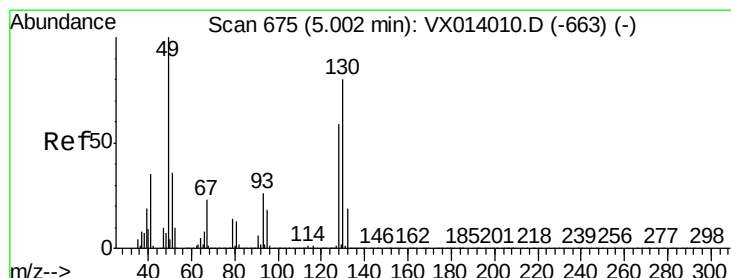
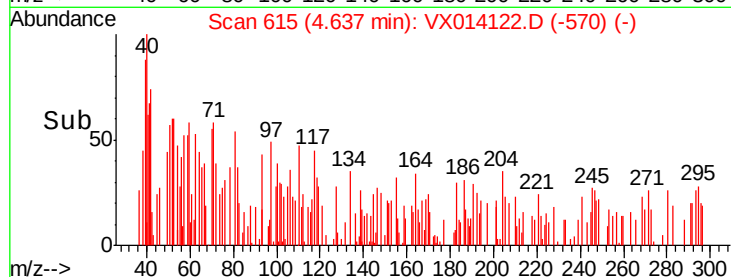
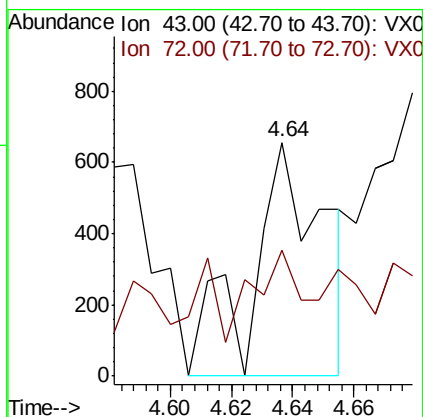
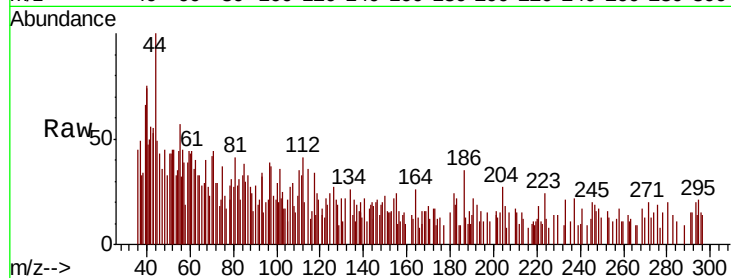
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1077

Ion Ratio Lower Upper

43 100

72 14.5 21.0 31.4#



#28

Bromochloromethane

Concen: 0.494 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.02 min

Lab File: VX014122.D

Acq: 19 Dec 2019 15:51

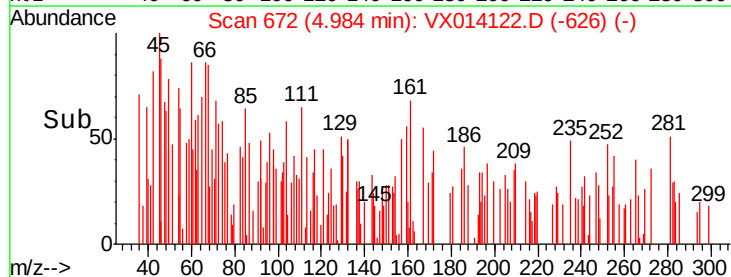
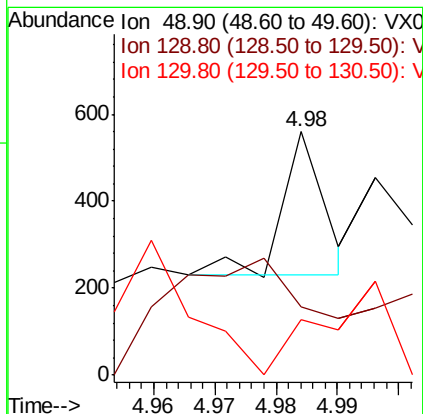
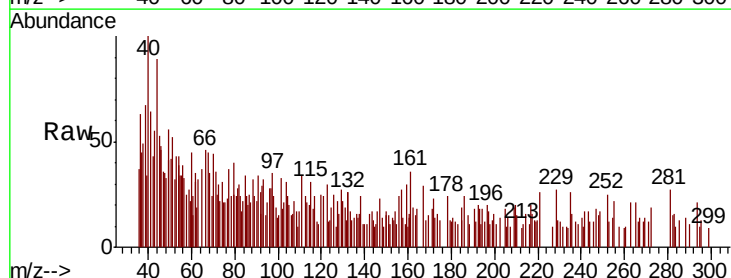
Tgt Ion: 49 Resp: 160

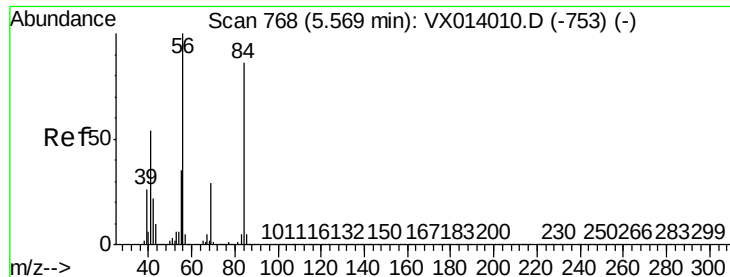
Ion Ratio Lower Upper

49 100

129 266.9 0.0 5.0#

130 102.5 64.6 97.0#

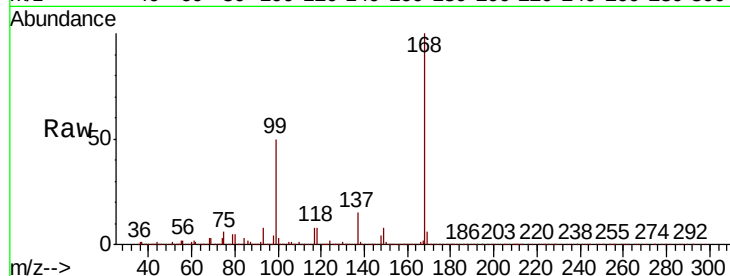




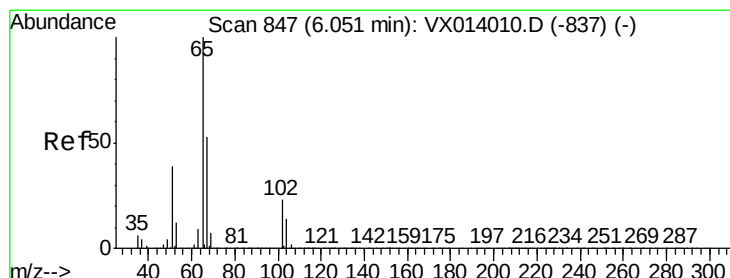
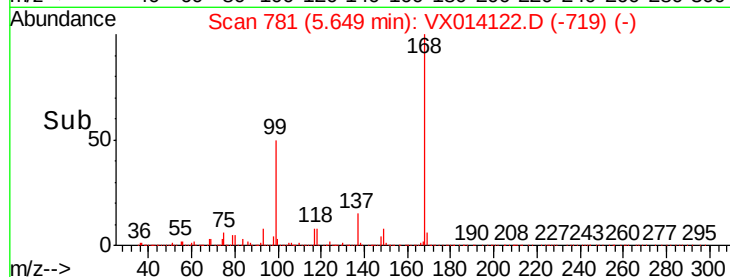
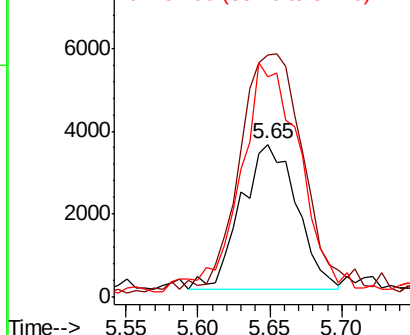
#31
Cyclohexane
Concen: 1.025 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 9375
Ion Ratio Lower Upper
56 100
69 156.2 23.2 34.8#
84 142.7 69.2 103.8#

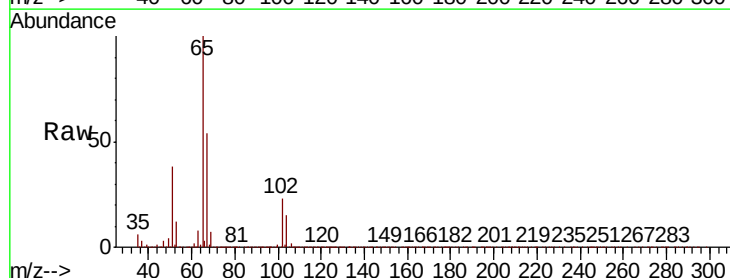


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

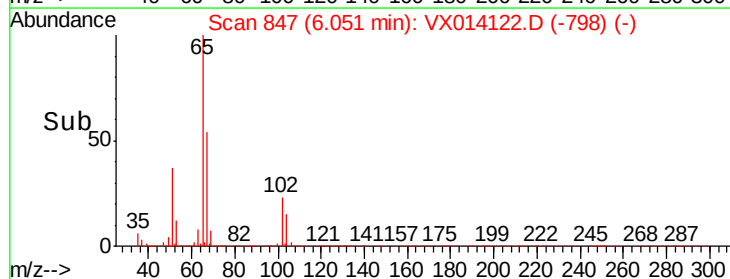
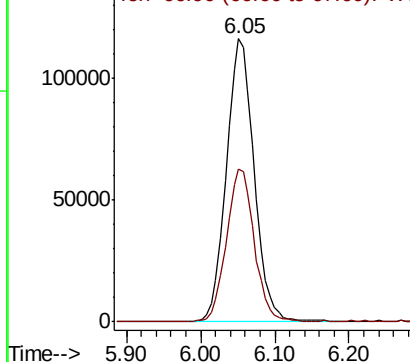


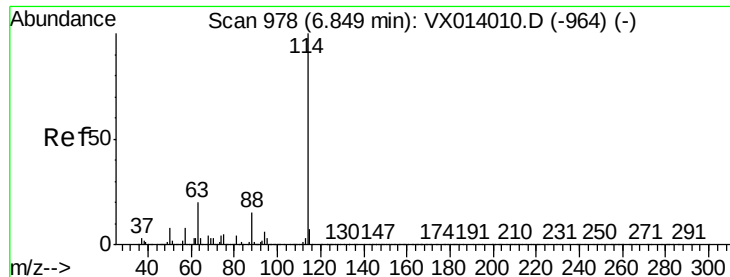
#33
1,2-Dichloroethane-d4
Concen: 49.031 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

Tgt Ion: 65 Resp: 300132
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014122.D

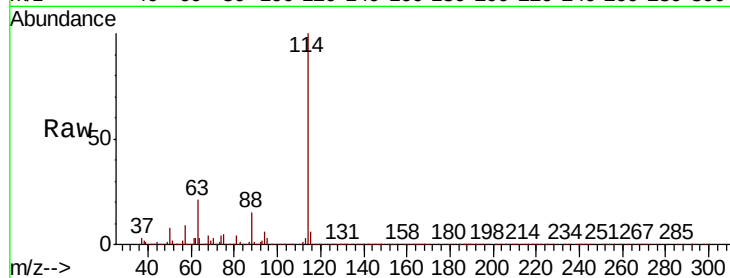
Acq: 19 Dec 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

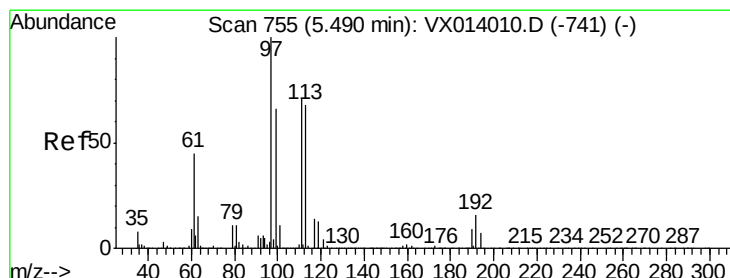
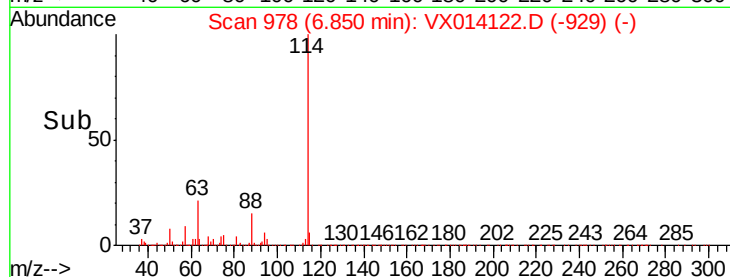
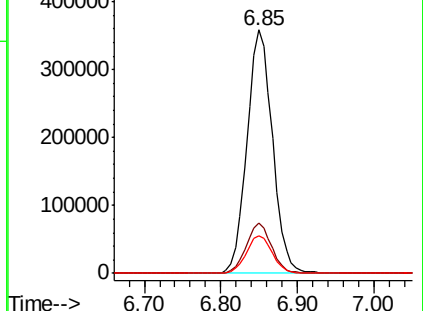
Tot Ion:	114	Resp:	831567
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	15.3	0.0	30.4



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: 49.071 ug/l

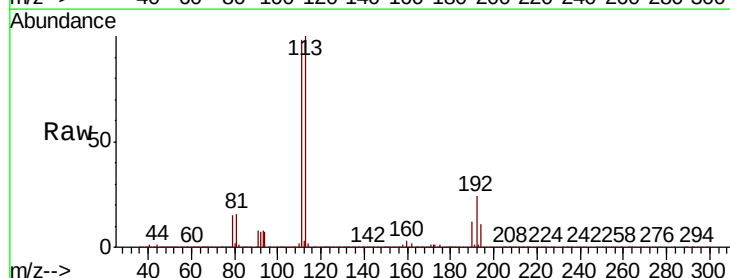
RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014122.D

Acq: 19 Dec 2019 15:51

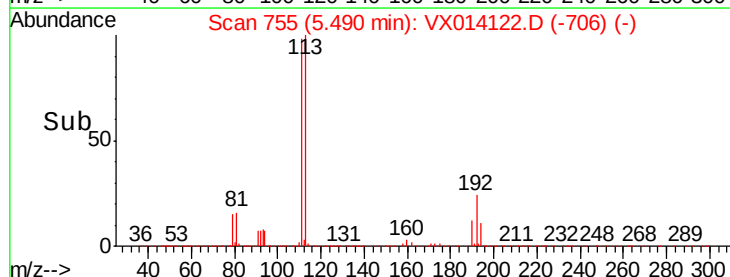
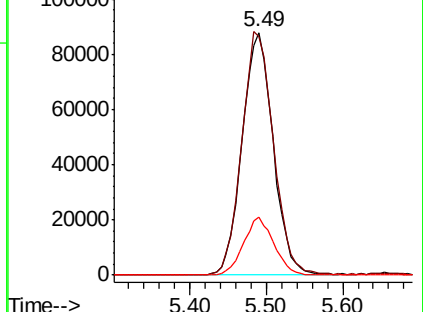
Tgt Ion:	113	Resp:	248055
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.0	123.0
192	23.4	19.3	28.9

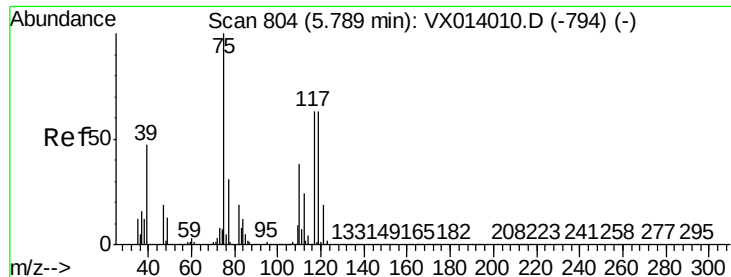


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

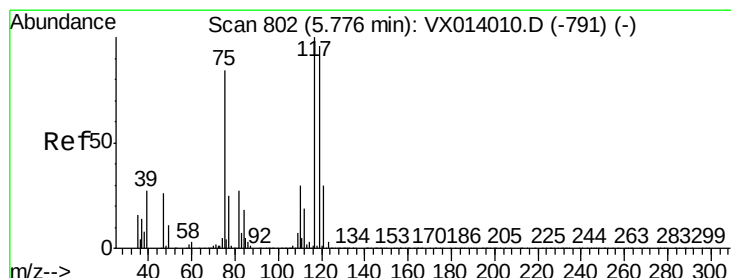
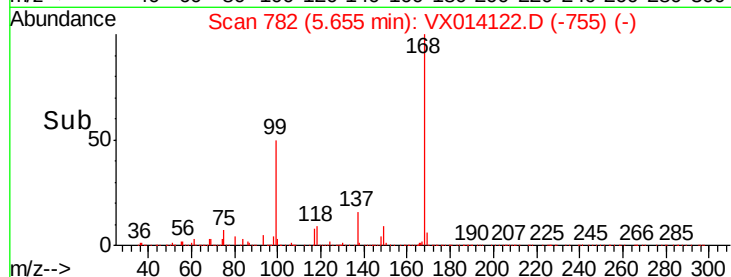
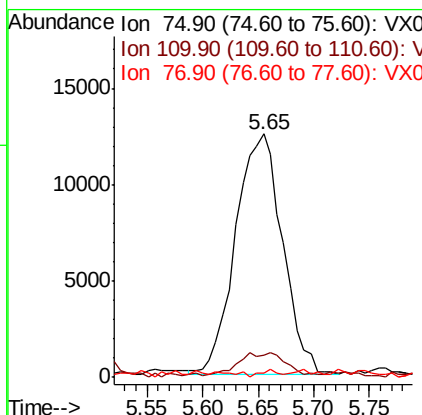
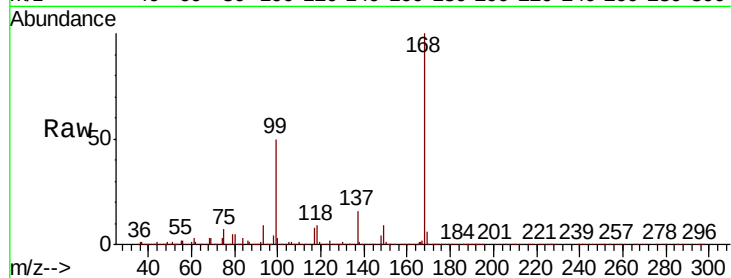




#36
 1,1-Dichloropropene
 Concen: 4.799 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014122.D
 Acq: 19 Dec 2019 15:51

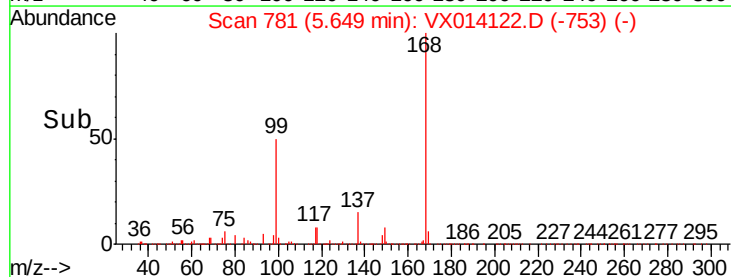
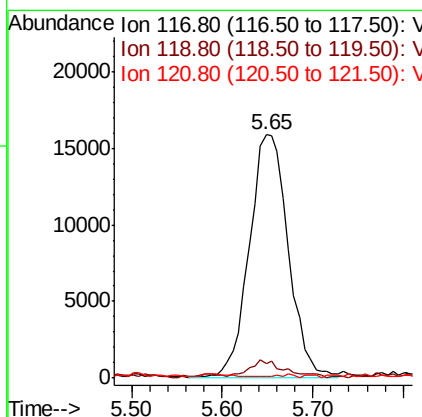
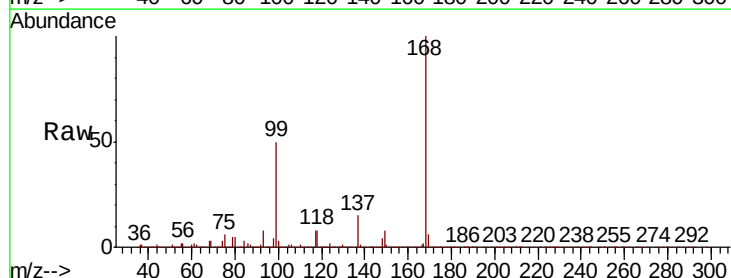
Instrument :
 MSVOA_X
 ClientSampleId :

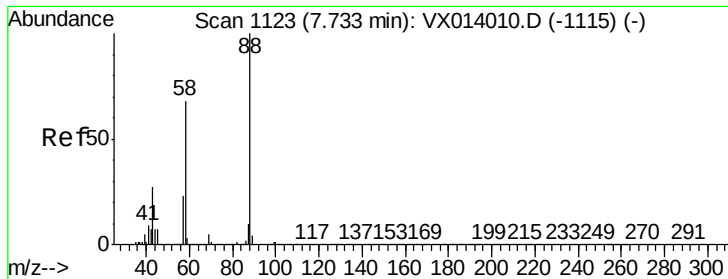
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.3	54.9#
77	1.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.821 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014122.D
 Acq: 19 Dec 2019 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.2	114.4#
121	0.2	23.6	35.4#





#49

1,4-Dioxane

Concen: 3.634 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014122.D

Acq: 19 Dec 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

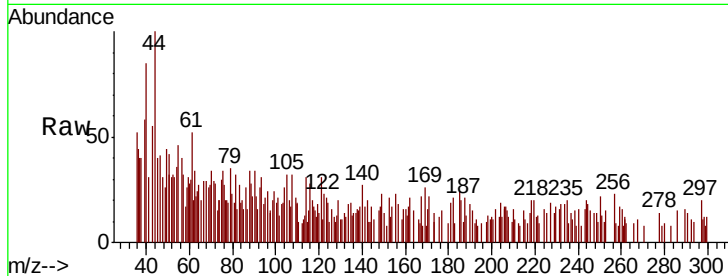
Tot Ion: 88 Resp: 505

Ion Ratio Lower Upper

88 100

43 135.4 26.5 39.7#

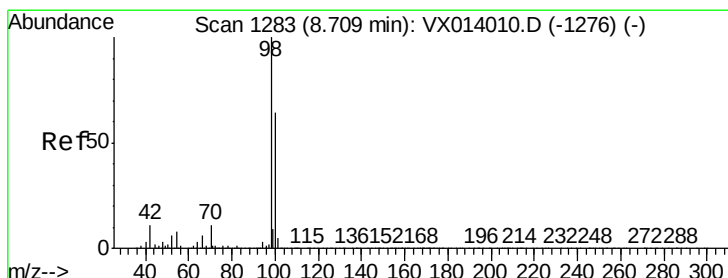
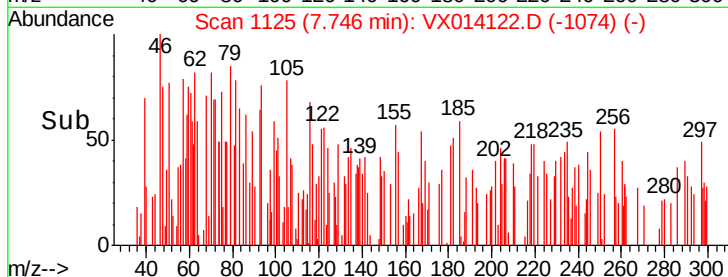
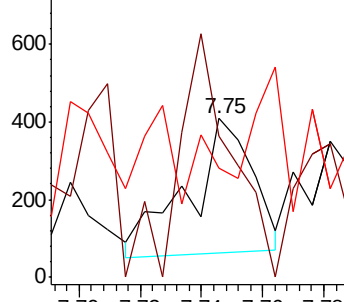
58 41.2 56.8 85.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.736 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014122.D

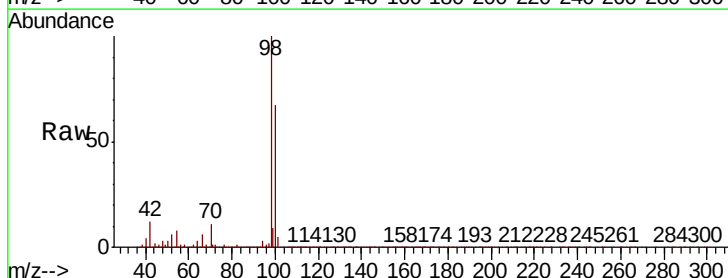
Acq: 19 Dec 2019 15:51

Tgt Ion: 98 Resp: 978833

Ion Ratio Lower Upper

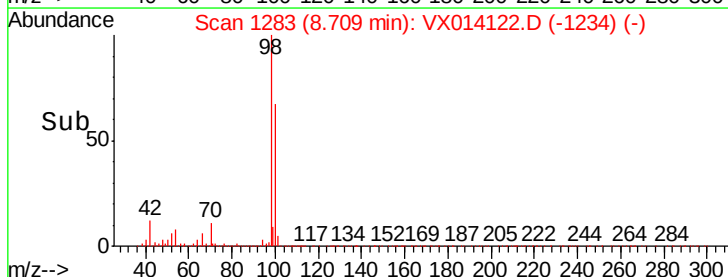
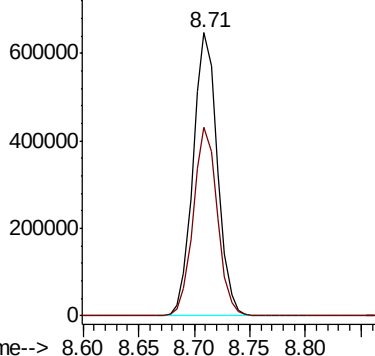
98 100

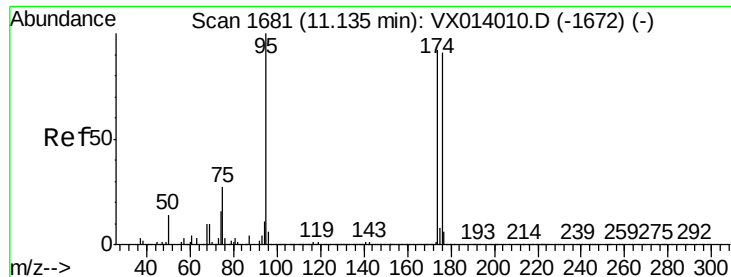
100 65.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

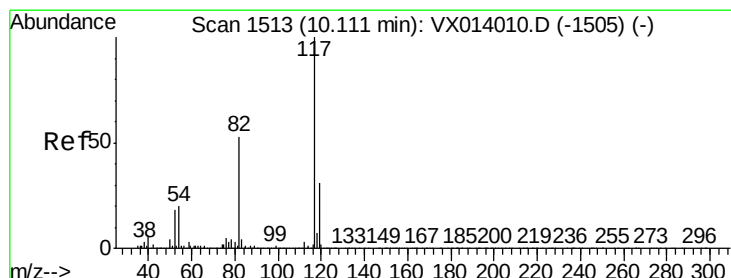
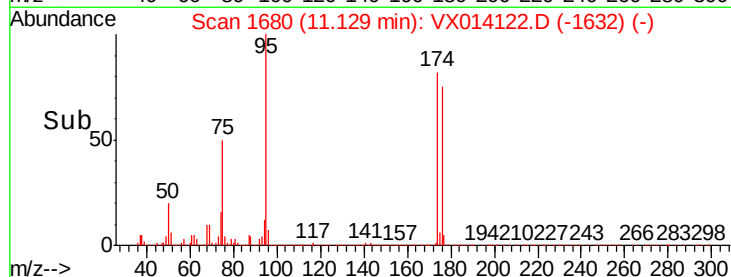
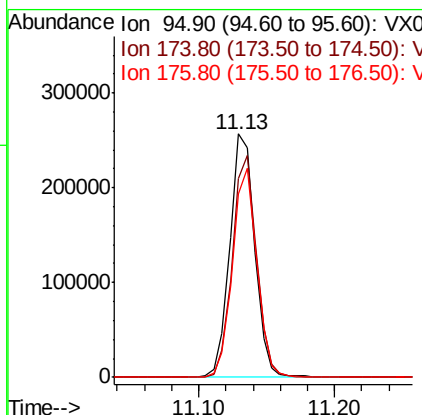
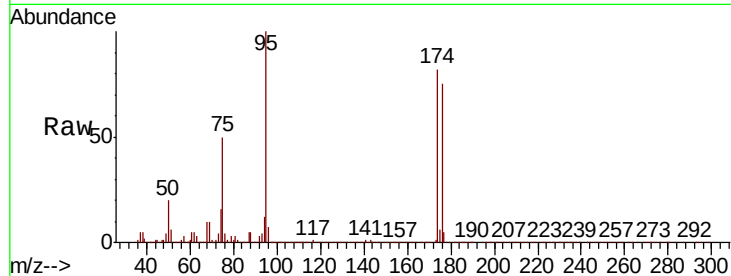




#62
4-Bromofluorobenzene
Concen: 45.411 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

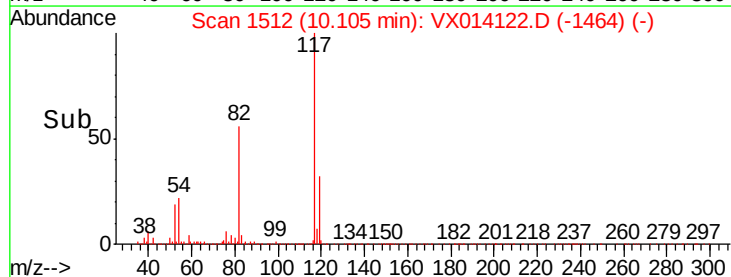
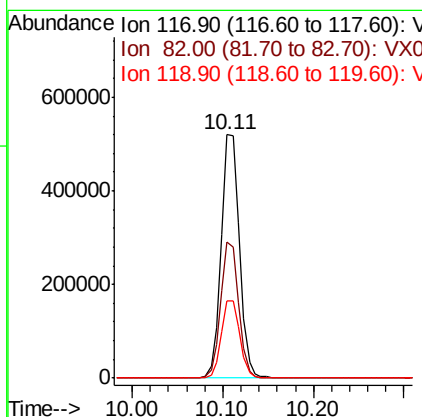
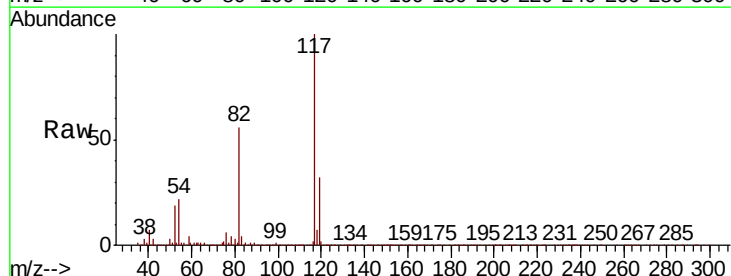
Instrument :
MSVOA_X
ClientSampleId :

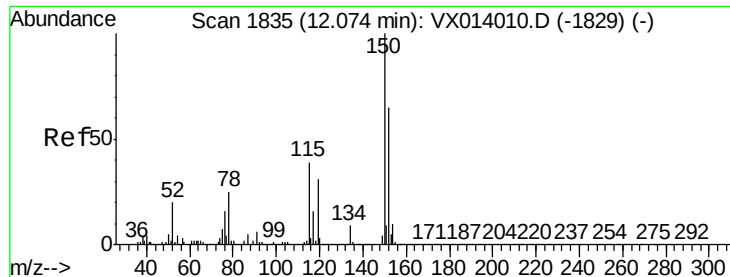
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	175.8
176	84.5	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	42.2	63.4
119	31.8	25.1	37.7



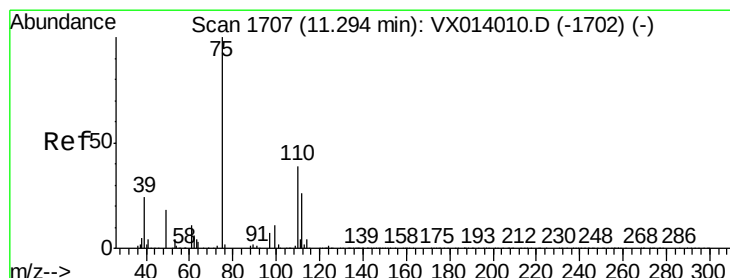
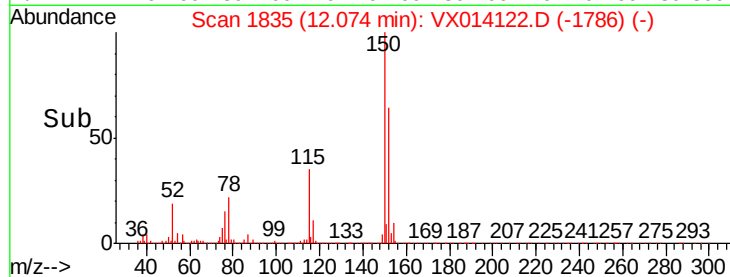
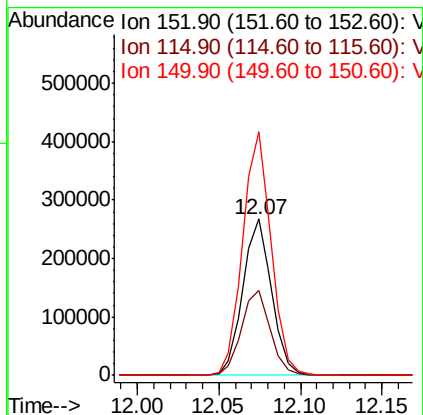
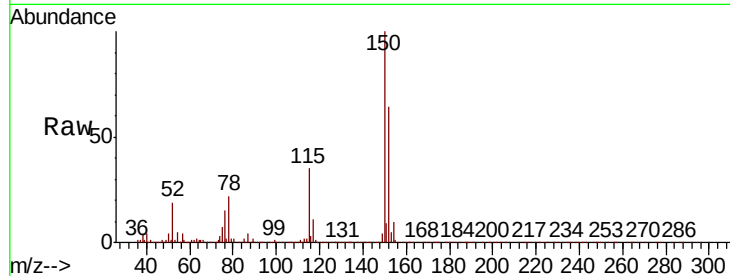


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :

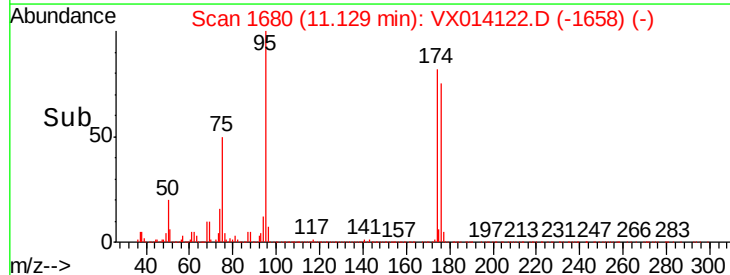
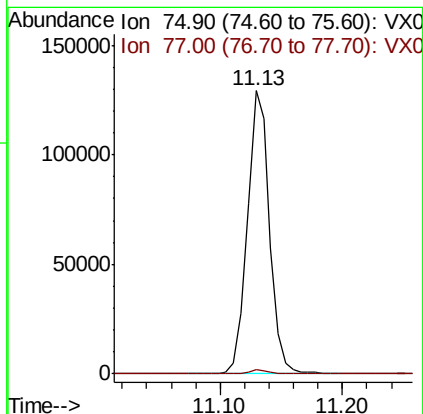
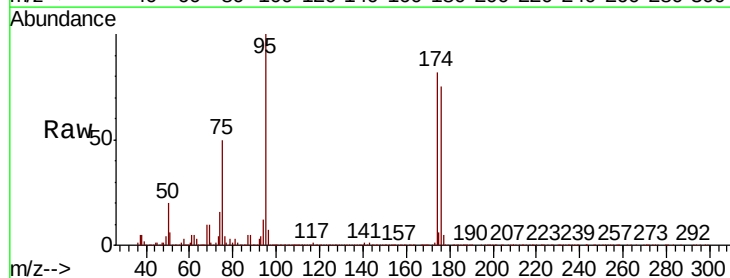
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	38.3	114.9
150	154.3	0.0	345.4

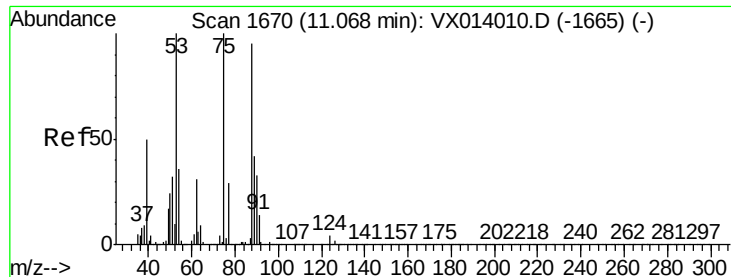


#76

1,2,3-Trichloropropane
Concen: 22.611 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014122.D
Acq: 19 Dec 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	2.0	19.3	57.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 63.821 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014122.D

Acq: 19 Dec 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

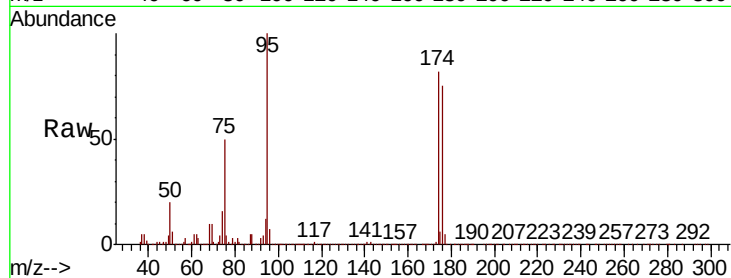
Tot Ion: 75 Resp: 161340

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.2 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

