

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014124.D
 Acq On : 19 Dec 2019 16:38
 Operator : JC/SP
 Sample : K6347-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 01:00:20 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	538045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	837816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	747352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	319326	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	303676	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	5.49	113	251273	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	996351	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.13	95	329114	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	

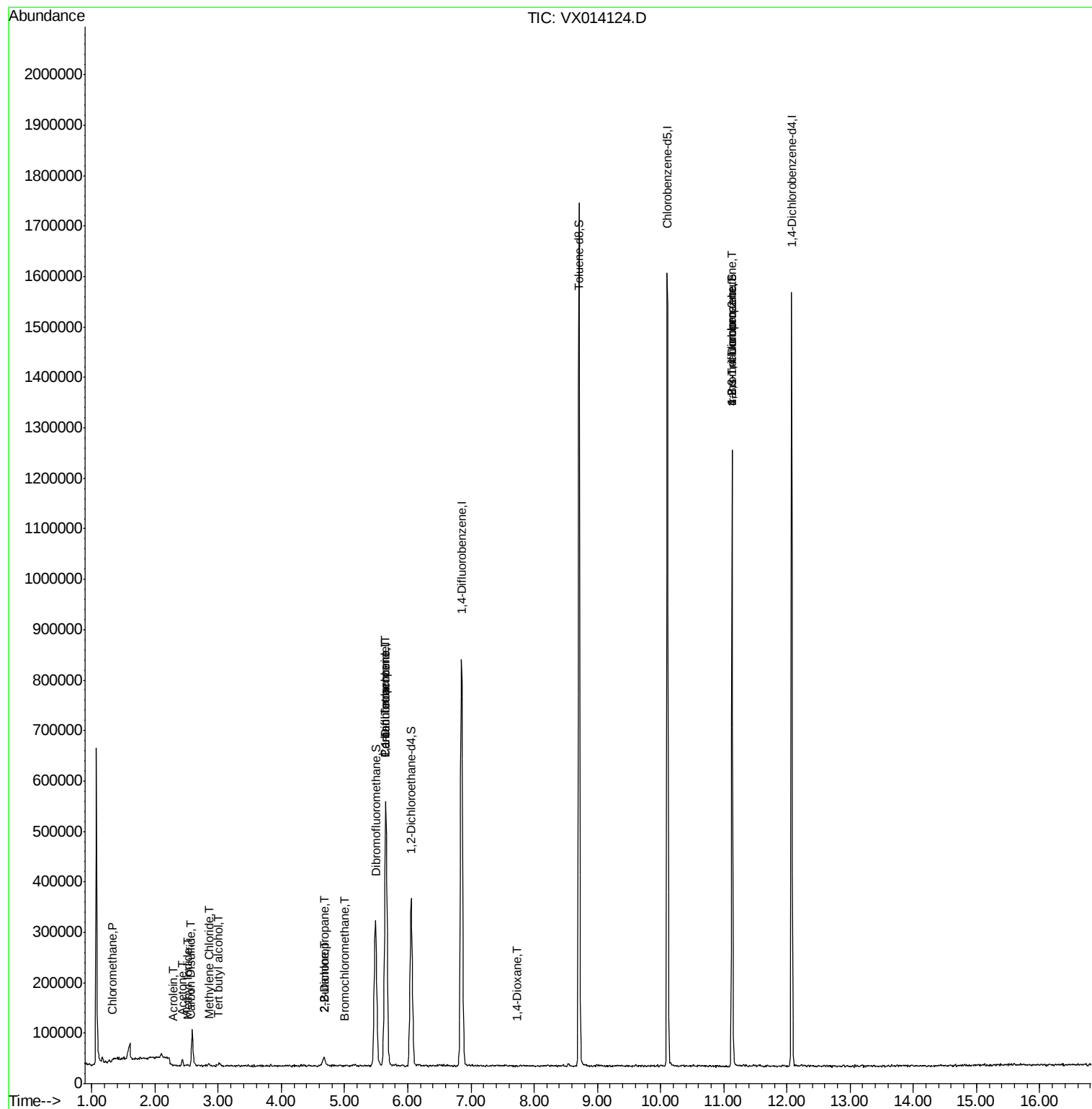
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1927	0.298	ug/l	92
10) Methyl Iodide	2.52	142	1130	2.780	ug/l #	90
11) Tert butyl alcohol	3.01	59	7308	5.546	ug/l #	78
13) Acrolein	2.29	56	178	0.236	ug/l #	1
16) Acetone	2.43	43	12661	3.198	ug/l	98
17) Carbon Disulfide	2.56	76	1171	0.830	ug/l #	60
20) Methylene Chloride	2.85	84	2554	0.410	ug/l #	83
25) 2-Butanone	4.67	43	1063	0.218	ug/l #	58
26) 2,2-Dichloropropane	4.67	77	1965	0.247	ug/l	89
28) Bromochloromethane	5.00	49	443	0.565	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	36481	4.746	ug/l #	51
38) Carbon Tetrachloride	5.65	117	49158	7.019	ug/l #	17
49) 1,4-Dioxane	7.73	88	270	1.929	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	160805	23.196	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	161168	65.618	ug/l #	11

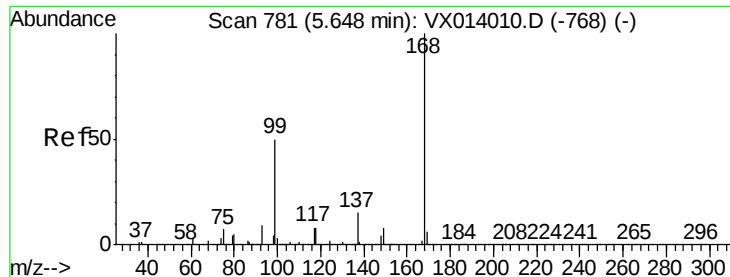
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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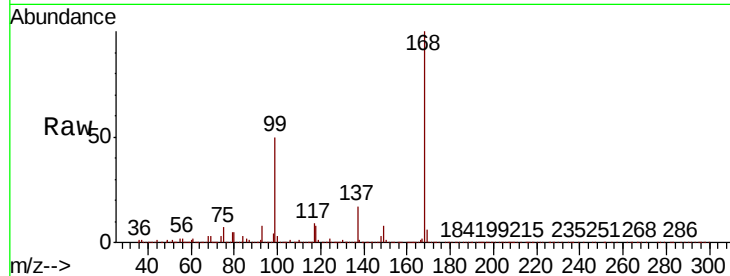


#1

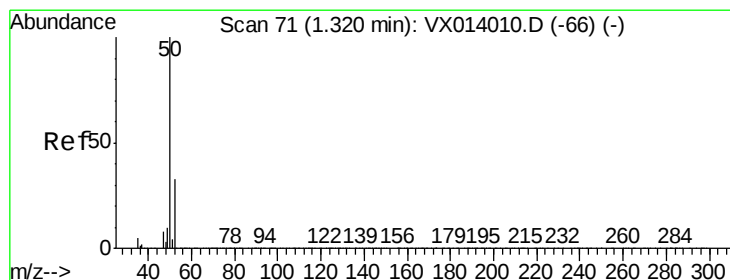
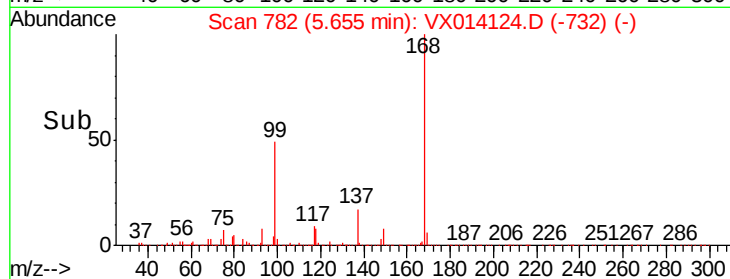
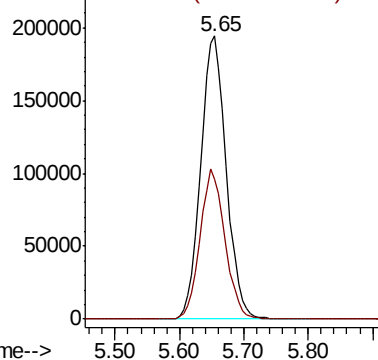
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014124.D
 Acq: 19 Dec 2019 16:38

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:168 Resp: 538045
 Ion Ratio Lower Upper
 168 100
 99 49.5 40.3 60.5



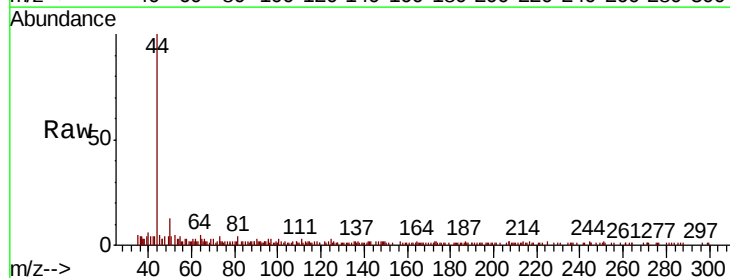
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



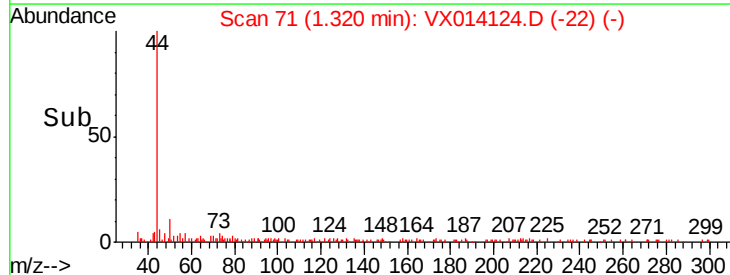
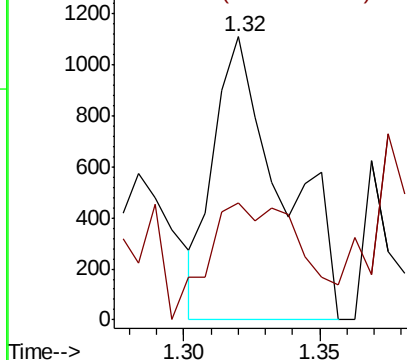
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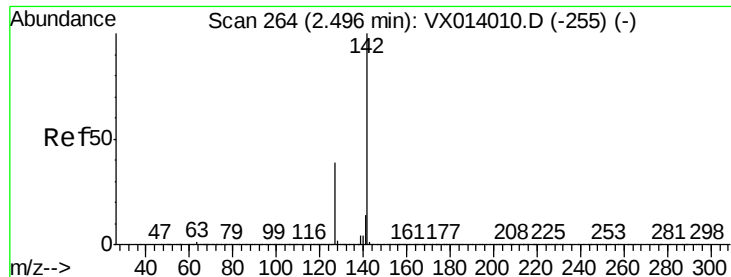
Chloromethane
 Concen: 0.298 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014124.D
 Acq: 19 Dec 2019 16:38

Tgt Ion: 50 Resp: 1927
 Ion Ratio Lower Upper
 50 100
 52 28.5 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0
 Ion 51.90 (51.60 to 52.60): VX0

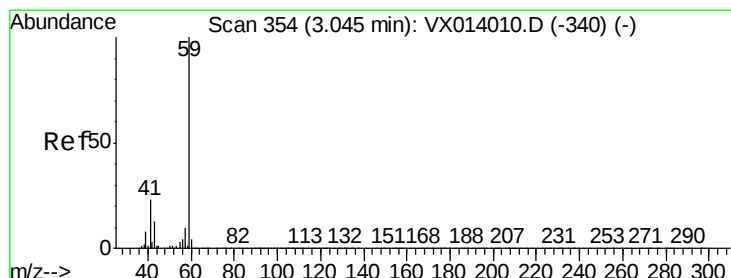
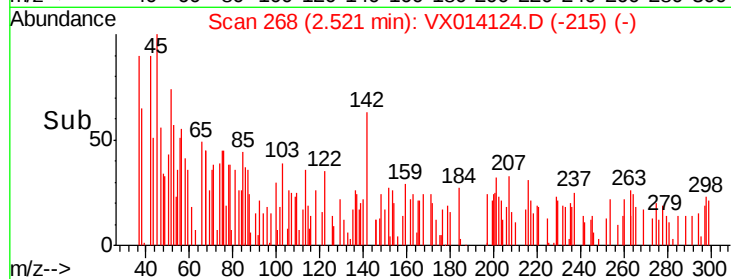
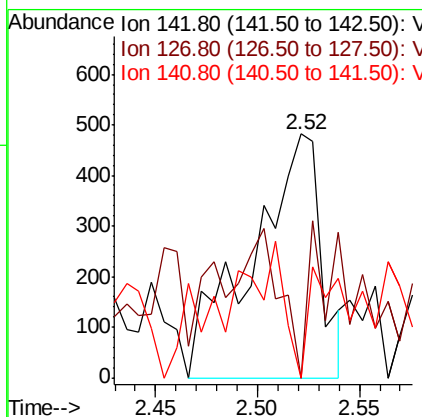
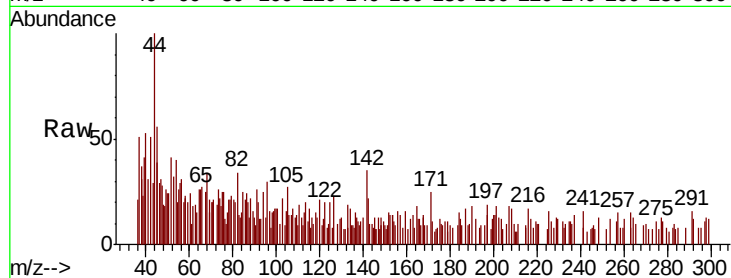




#10
Methvl Iodide
Concen: 2.780 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.03 min
Lab File: VX014124.D
Acq: 19 Dec 2019 16:38

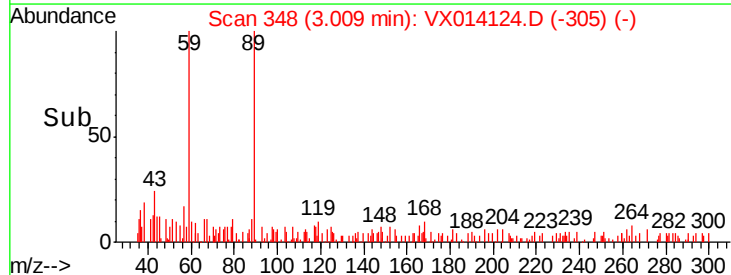
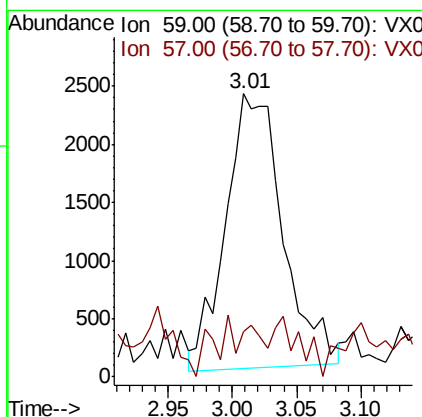
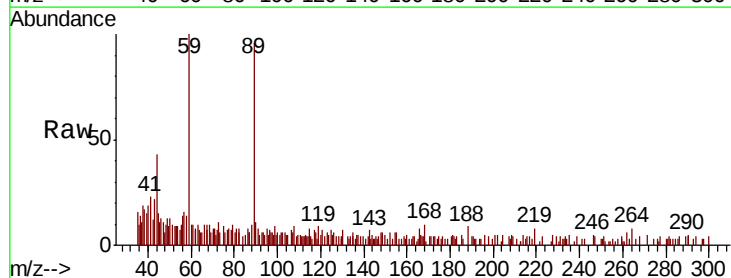
Instrument :
MSVOA_X
ClientSampled :

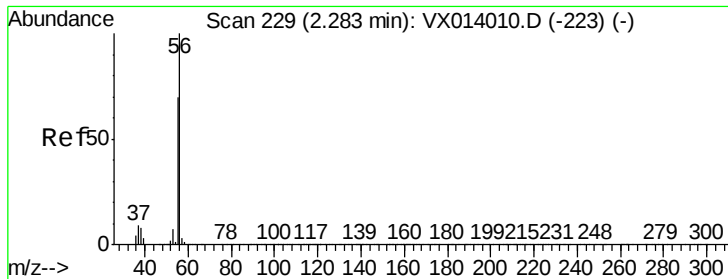
Tot Ion:142 Resp: 1130
Ion Ratio Lower Upper
142 100
127 43.4 31.6 47.4
141 22.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.546 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.04 min
Lab File: VX014124.D
Acq: 19 Dec 2019 16:38

Tgt Ion: 59 Resp: 7308
Ion Ratio Lower Upper
59 100
57 2.2 8.4 12.6#





#13

Acrolein

Concen: 0.236 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014124.D

Acq: 19 Dec 2019 16:38

Instrument :

MSVOA_X

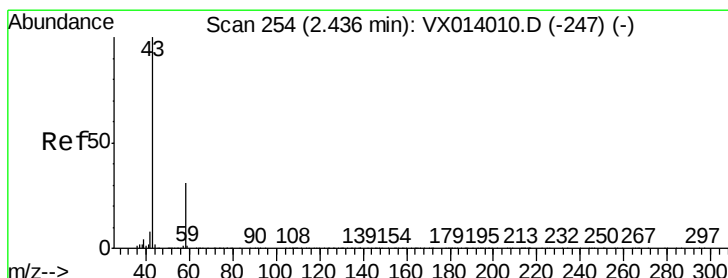
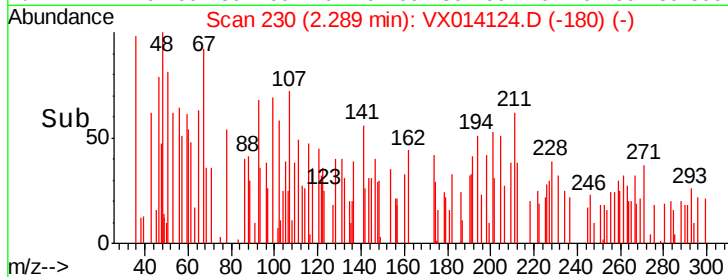
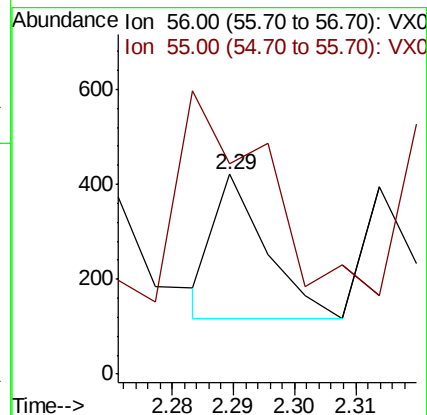
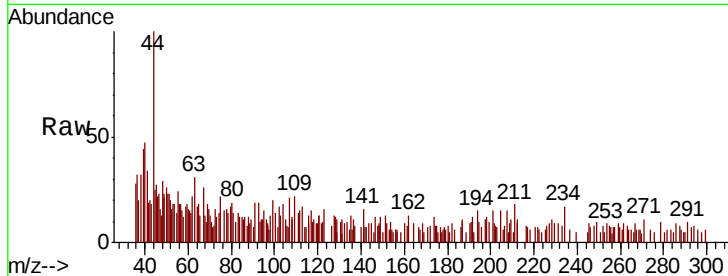
ClientSampled :

Tot Ion: 56 Resp: 178

Ion Ratio Lower Upper

56 100

55 233.7 56.9 85.3#



#16

Acetone

Concen: 3.198 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014124.D

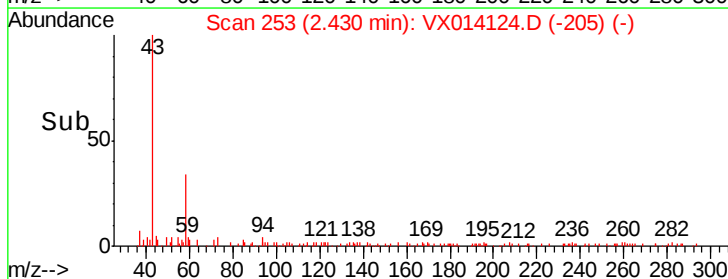
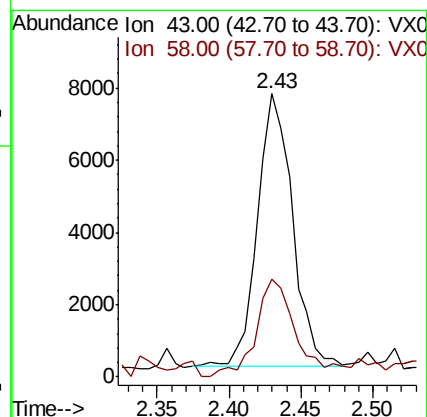
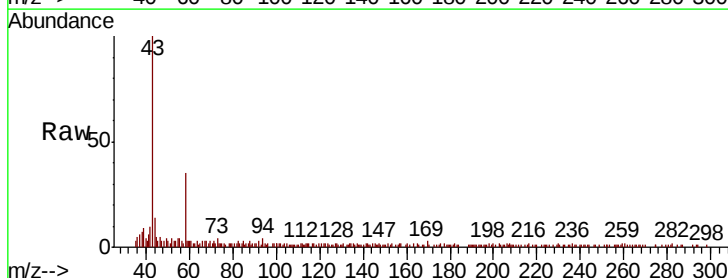
Acq: 19 Dec 2019 16:38

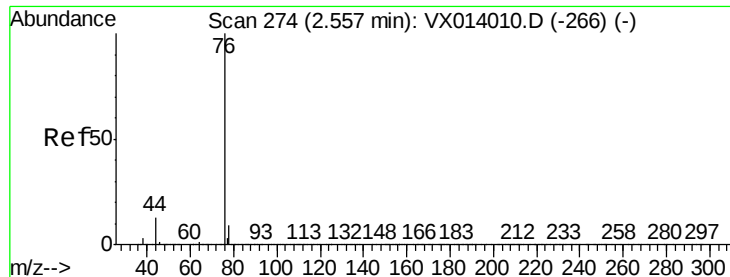
Tgt Ion: 43 Resp: 12661

Ion Ratio Lower Upper

43 100

58 32.2 24.9 37.3





#17

Carbon Disulfide

Concen: 0.830 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014124.D

Acq: 19 Dec 2019 16:38

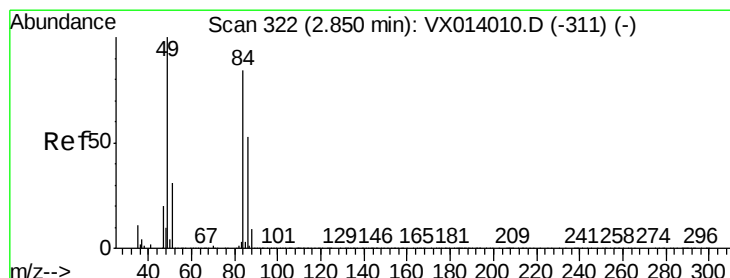
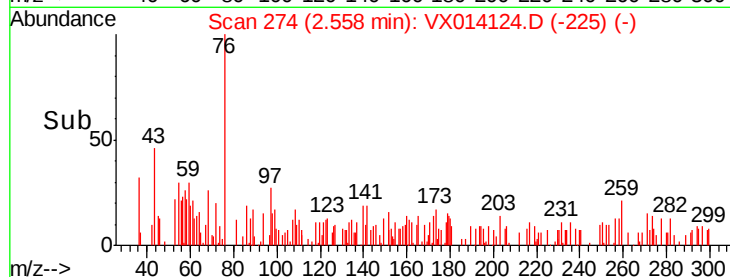
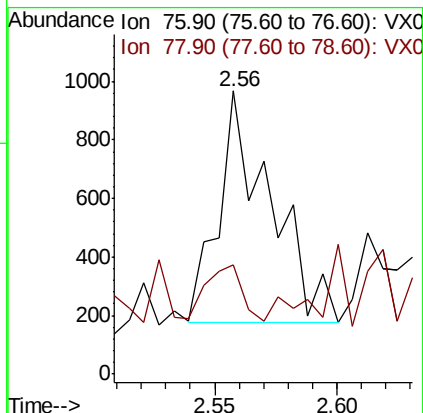
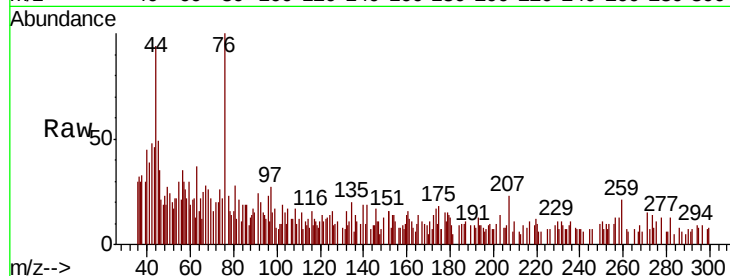
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 76 Resp: 1171

Ion Ratio Lower Upper

76 100

78 23.3 7.2 10.8#



#20

Methylene Chloride

Concen: 0.410 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014124.D

Acq: 19 Dec 2019 16:38

Tgt Ion: 84 Resp: 2554

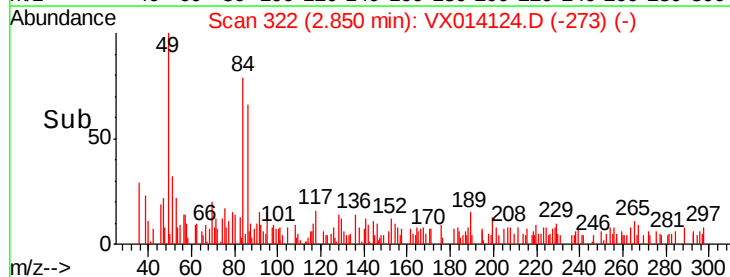
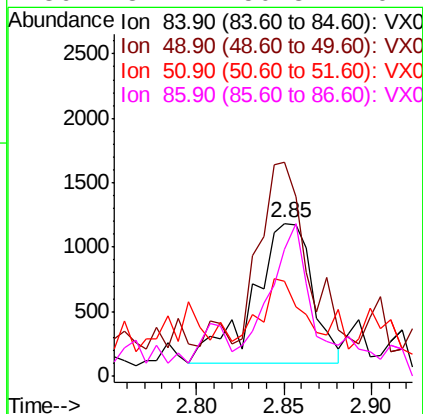
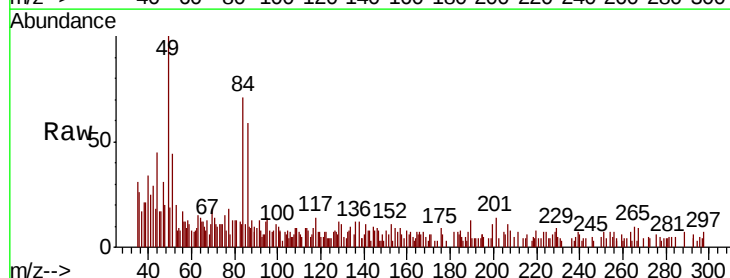
Ion Ratio Lower Upper

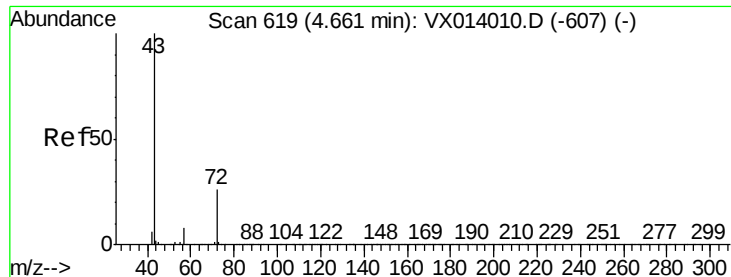
84 100

49 130.1 95.8 143.6

51 19.6 29.8 44.8#

86 81.4 50.8 76.2#





#25

2-Butanone

Concen: 0.218 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014124.D

Acq: 19 Dec 2019 16:38

Instrument :

MSVOA_X

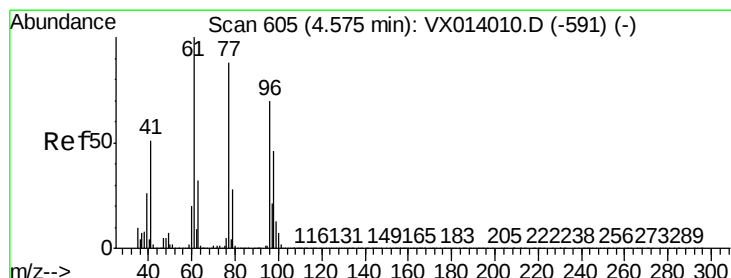
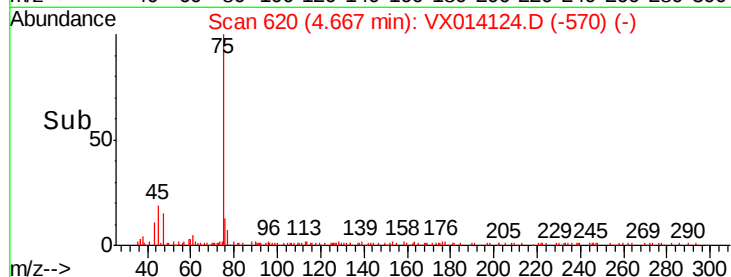
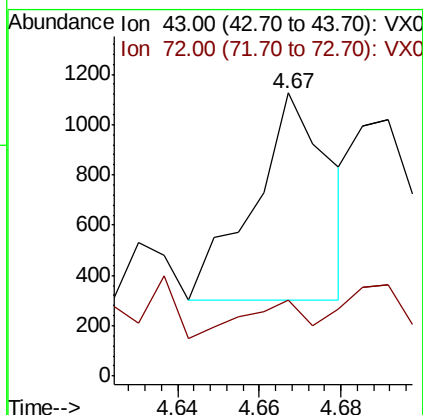
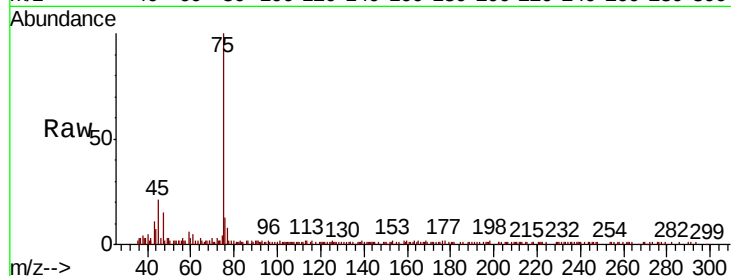
ClientSampleId :

Tot Ion: 43 Resp: 1063

Ion Ratio Lower Upper

43 100

72 47.4 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 0.247 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.09 min

Lab File: VX014124.D

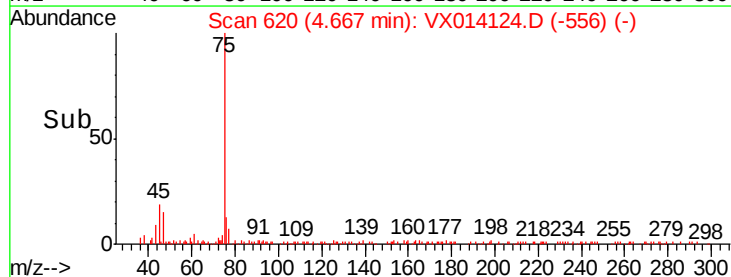
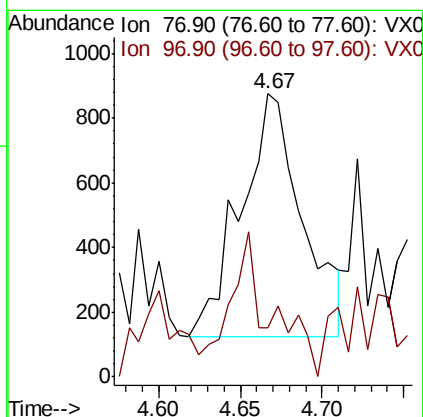
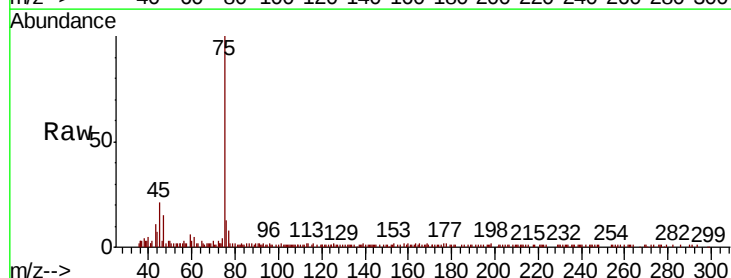
Acq: 19 Dec 2019 16:38

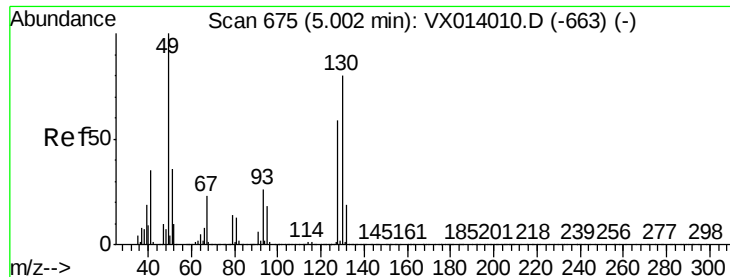
Tgt Ion: 77 Resp: 1965

Ion Ratio Lower Upper

77 100

97 18.4 11.9 35.9





#28

Bromochloromethane

Concen: 0.565 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014124.D

Acq: 19 Dec 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

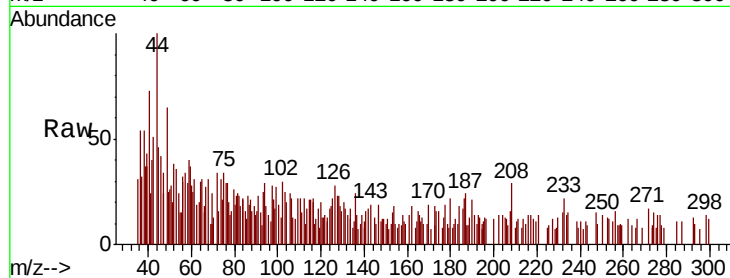
Tot Ion: 49 Resp: 443

Ion Ratio Lower Upper

49 100

129 51.5 0.0 5.0#

130 180.4 64.6 97.0#



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

800

600

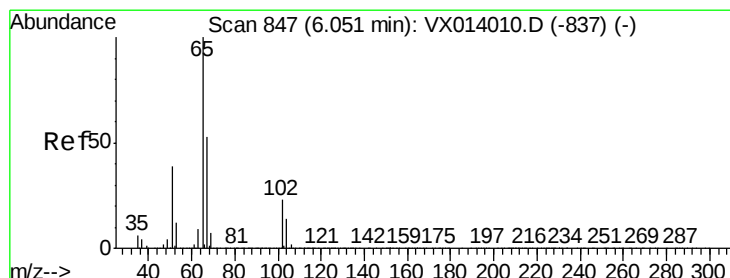
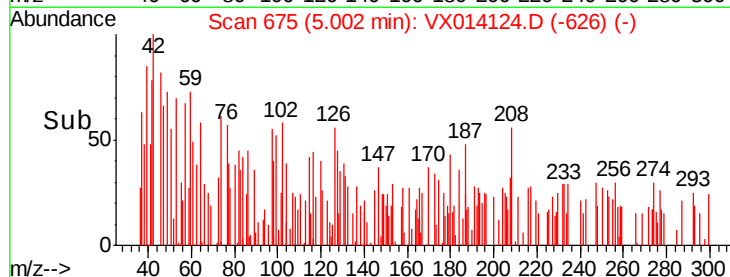
400

200

0

4.98 5.00 5.02 5.04

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.799 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014124.D

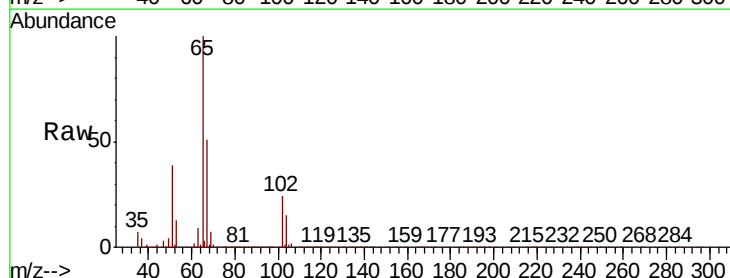
Acq: 19 Dec 2019 16:38

Tgt Ion: 65 Resp: 303676

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

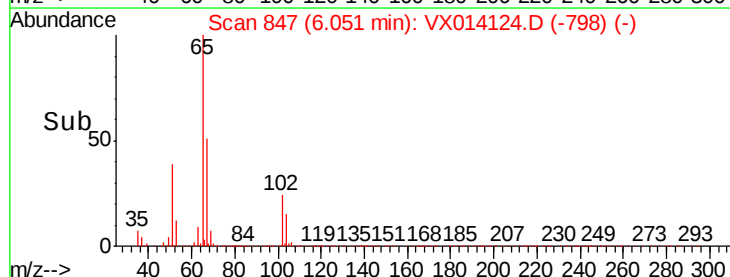
100000

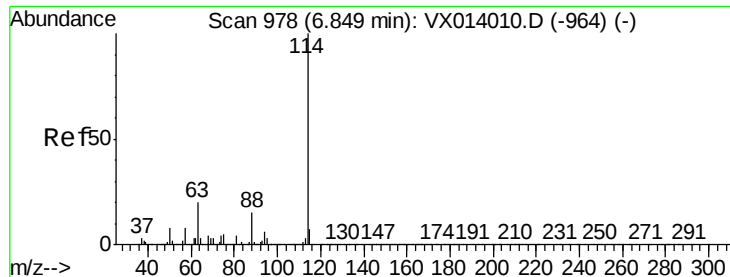
50000

0

5.90 6.00 6.10 6.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014124.D

Acq: 19 Dec 2019 16:38

Instrument :

MSVOA_X

ClientSampled :

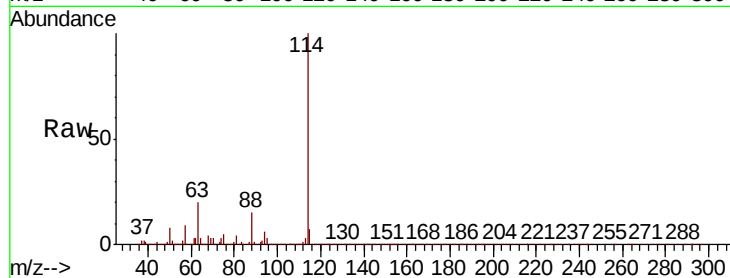
Tot Ion:114 Resp: 837816

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

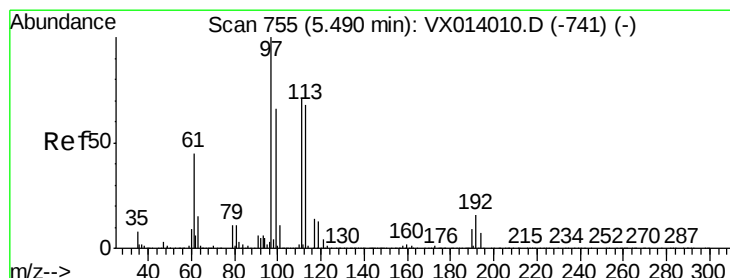
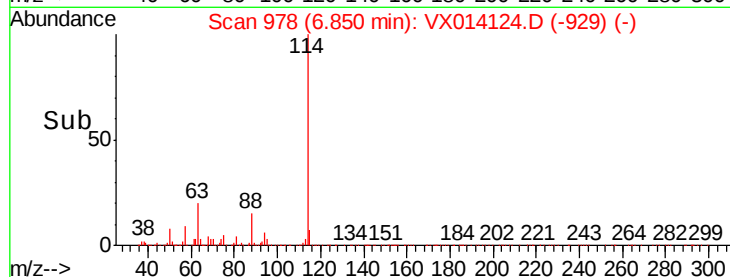
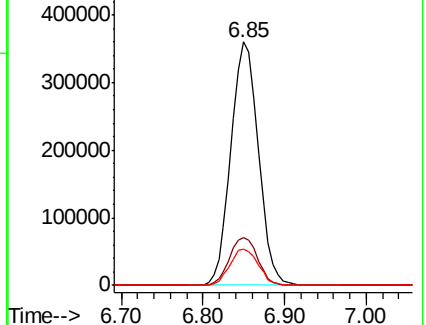
88 14.8 0.0 30.4



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: 49.337 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014124.D

Acq: 19 Dec 2019 16:38

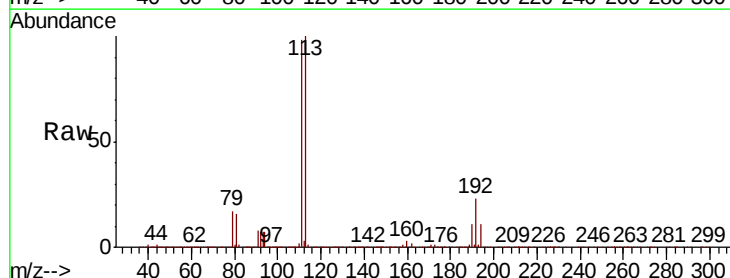
Tgt Ion:113 Resp: 251273

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

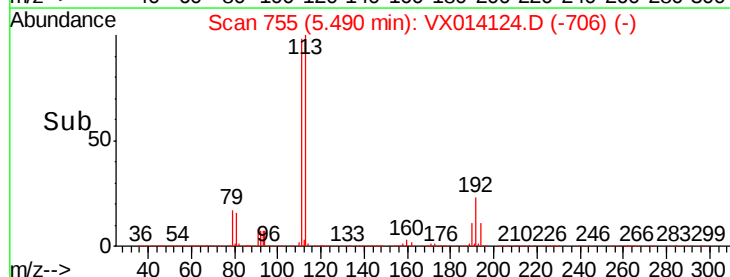
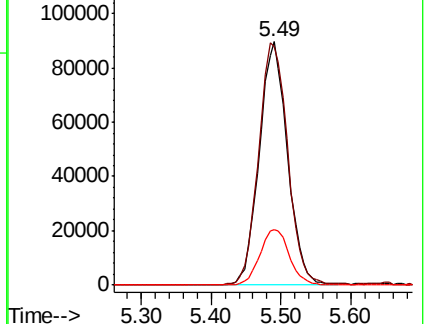
192 23.8 19.3 28.9

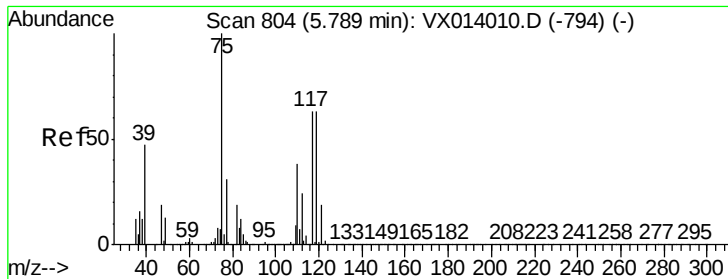


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

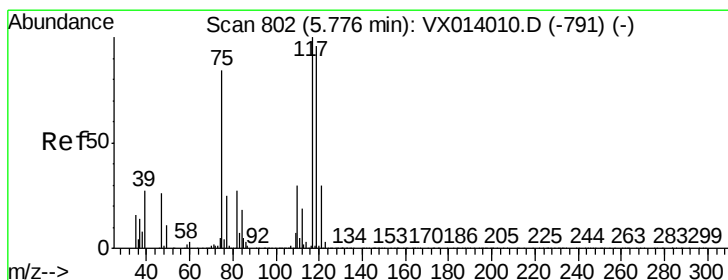
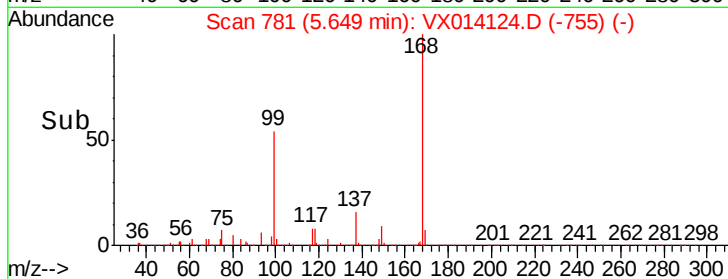
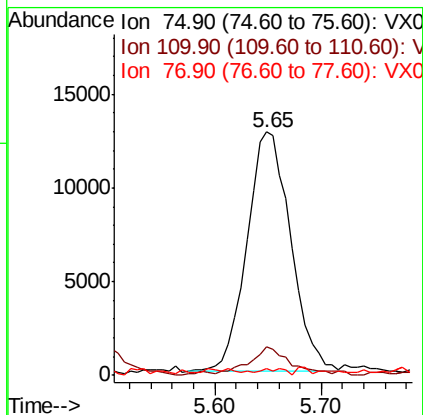
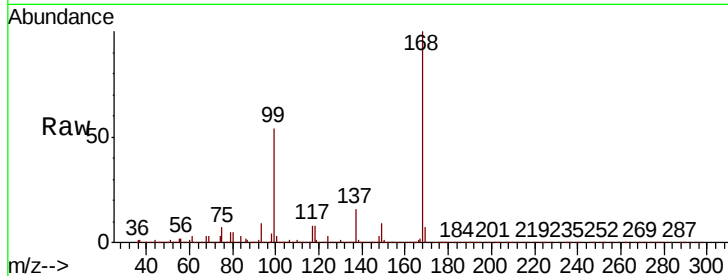




#36
 1,1-Dichloropropene
 Concen: 4.746 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014124.D
 Acq: 19 Dec 2019 16:38

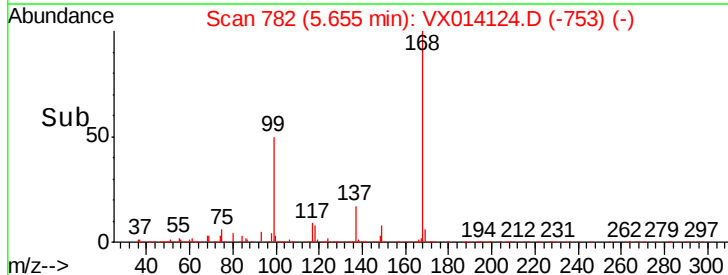
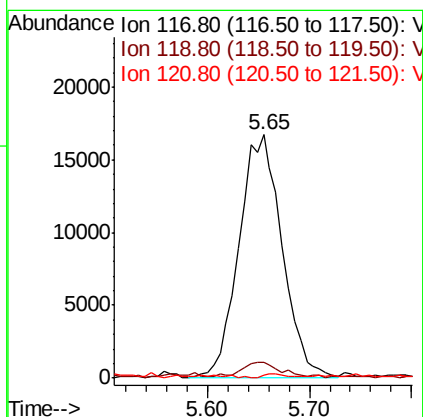
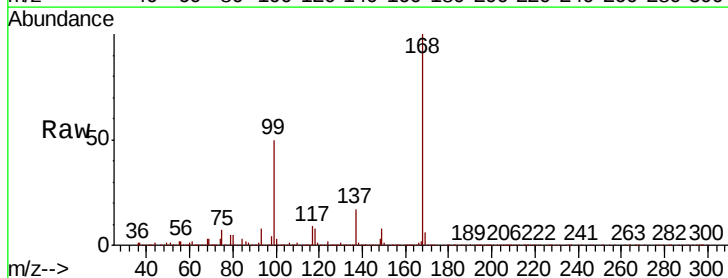
Instrument :
 MSVOA_X
 ClientSampleId :

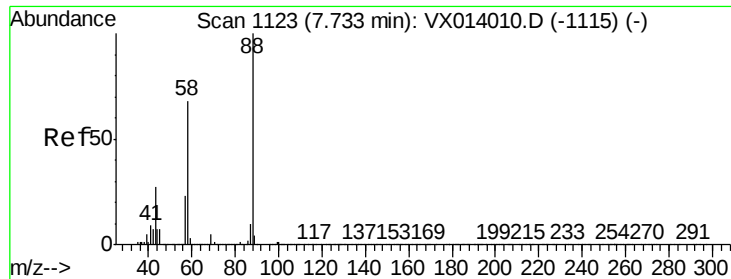
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.3	54.9#
77	1.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.019 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014124.D
 Acq: 19 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.2	114.4#
121	0.3	23.6	35.4#





#49

1,4-Dioxane

Concen: 1.929 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014124.D

Acq: 19 Dec 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

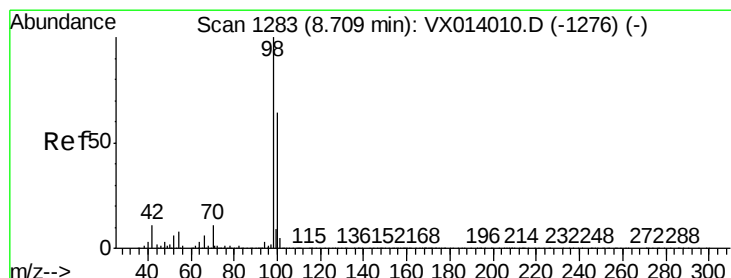
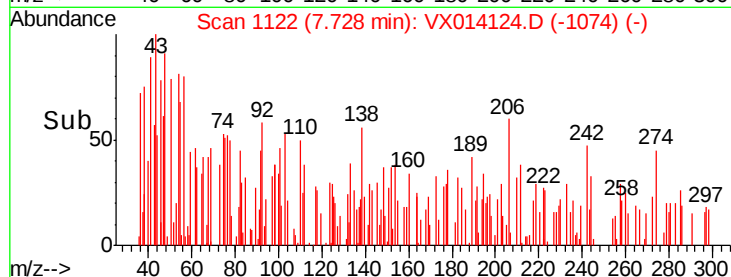
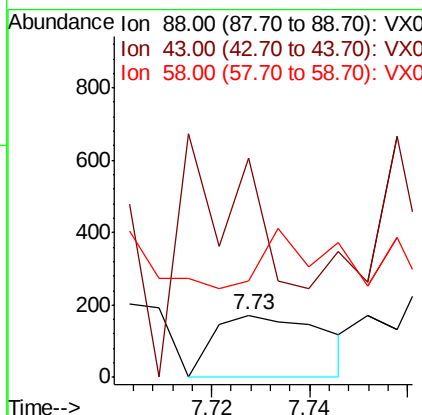
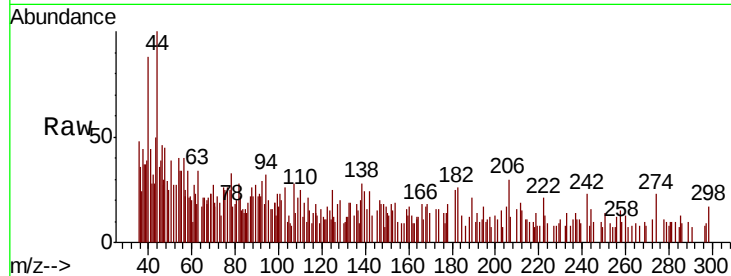
Tot Ion: 88 Resp: 270

Ion Ratio Lower Upper

88 100

43 291.5 26.5 39.7#

58 53.3 56.8 85.2#



#50

Toluene-d8

Concen: 50.249 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014124.D

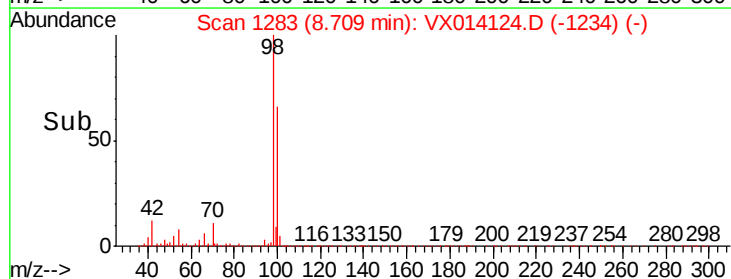
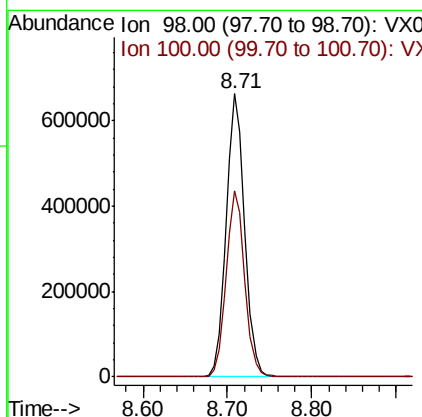
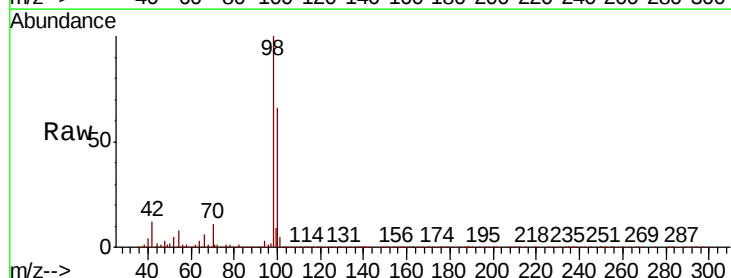
Acq: 19 Dec 2019 16:38

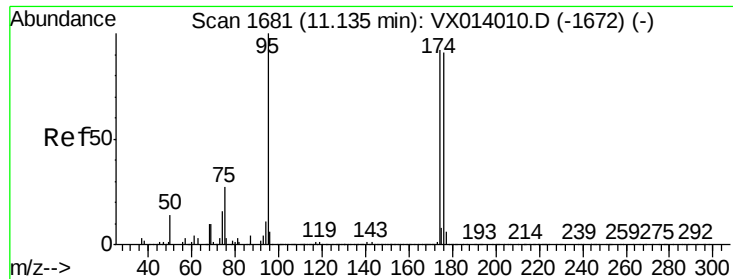
Tgt Ion: 98 Resp: 996351

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3

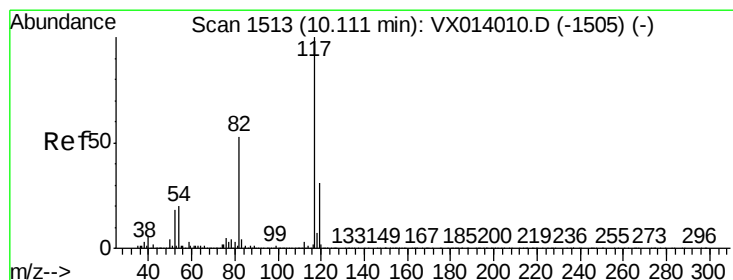
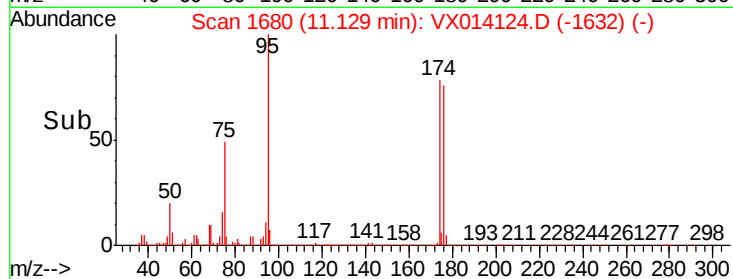
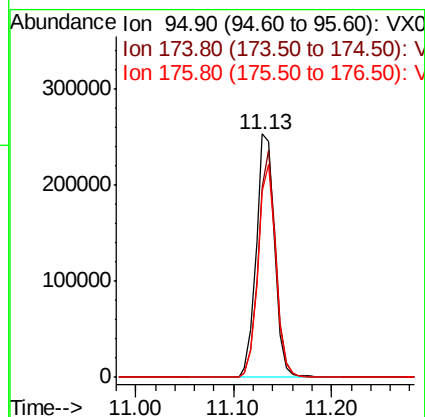
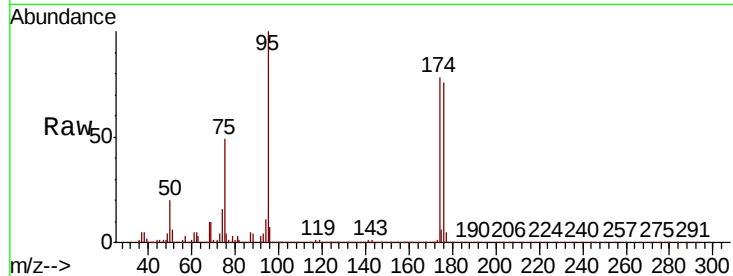




#62
4-Bromofluorobenzene
Concen: 45.407 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014124.D
Acq: 19 Dec 2019 16:38

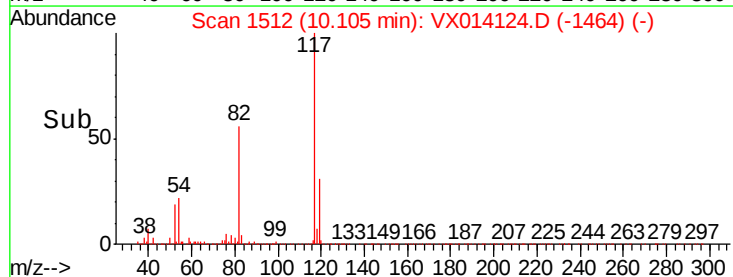
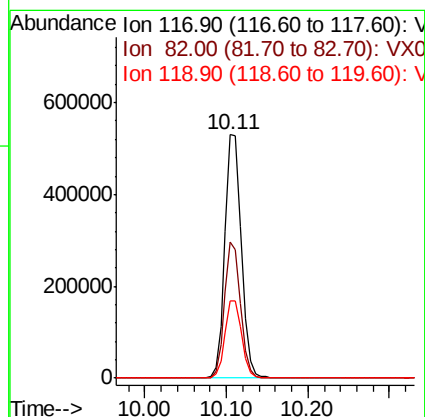
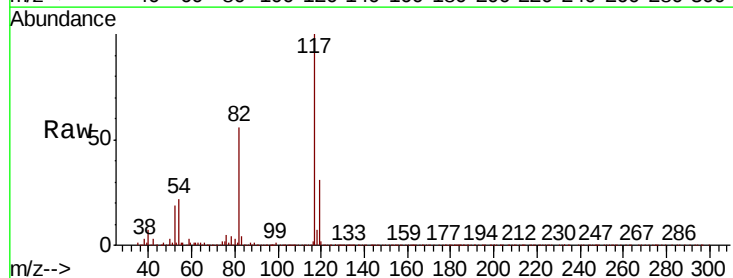
Instrument :
MSVOA_X
ClientSampleId :

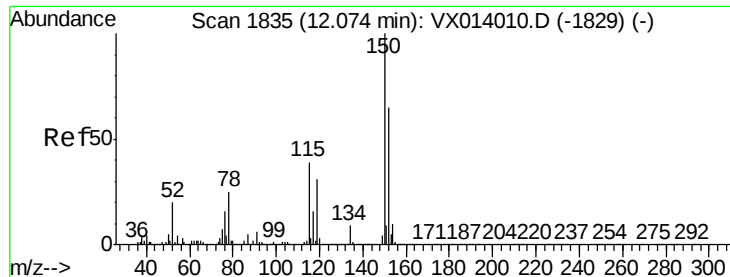
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	175.8
176	84.6	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014124.D
Acq: 19 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.2	63.4
119	31.4	25.1	37.7



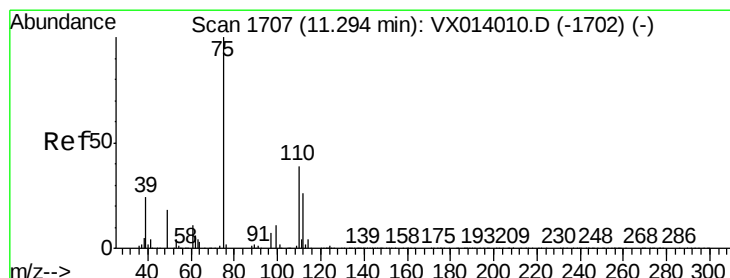
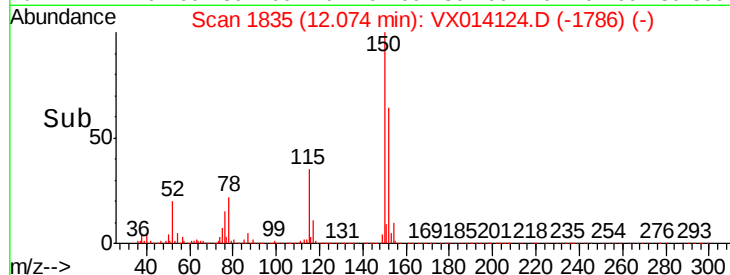
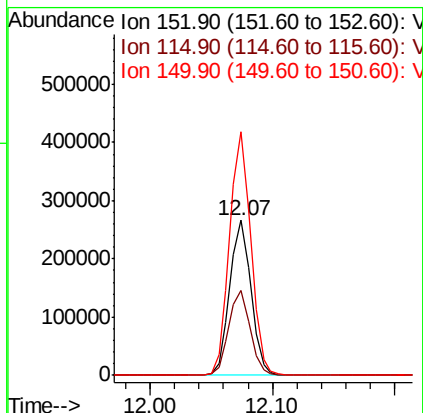
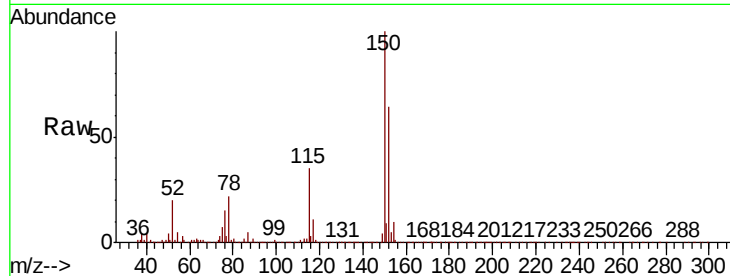


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014124.D
Acq: 19 Dec 2019 16:38

Instrument :
MSVOA_X
ClientSampleId :

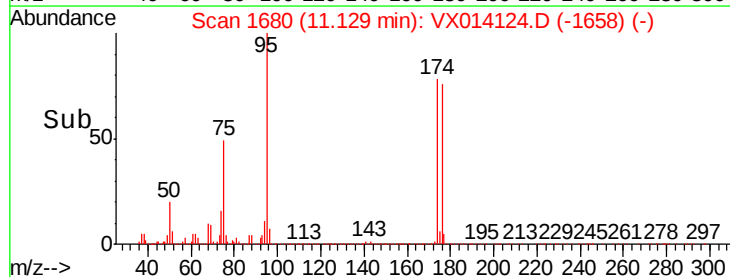
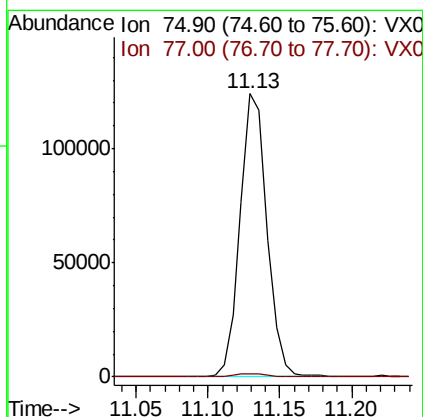
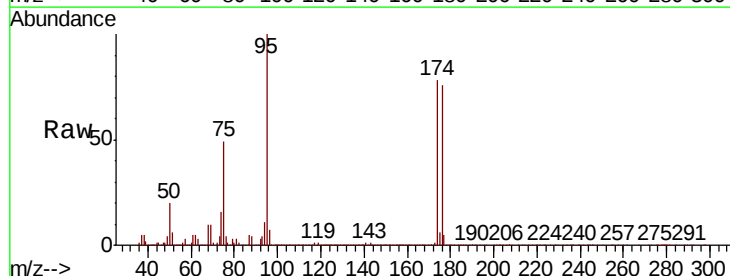
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.3	114.9
150	157.2	0.0	345.4

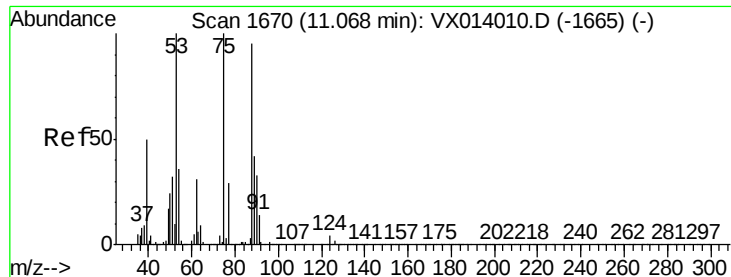


#76

1,2,3-Trichloropropane
Concen: 23.196 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014124.D
Acq: 19 Dec 2019 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	19.3	57.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.618 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014124.D

Acq: 19 Dec 2019 16:38

Instrument :

MSVOA_X

ClientSampleId :

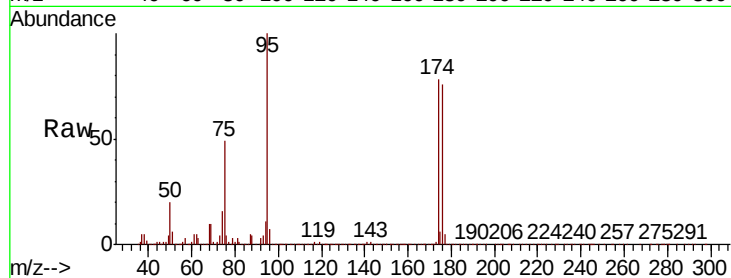
Tot Ion: 75 Resp: 161168

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 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

