

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010820\
 Data File : VX014477.D
 Acq On : 08 Jan 2020 17:30
 Operator : JC/SP
 Sample : PB125924ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 06:11:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	544769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	836016	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	758544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	349457	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	294847	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	5.49	113	249579	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	8.71	98	995777	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.13	95	342265	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

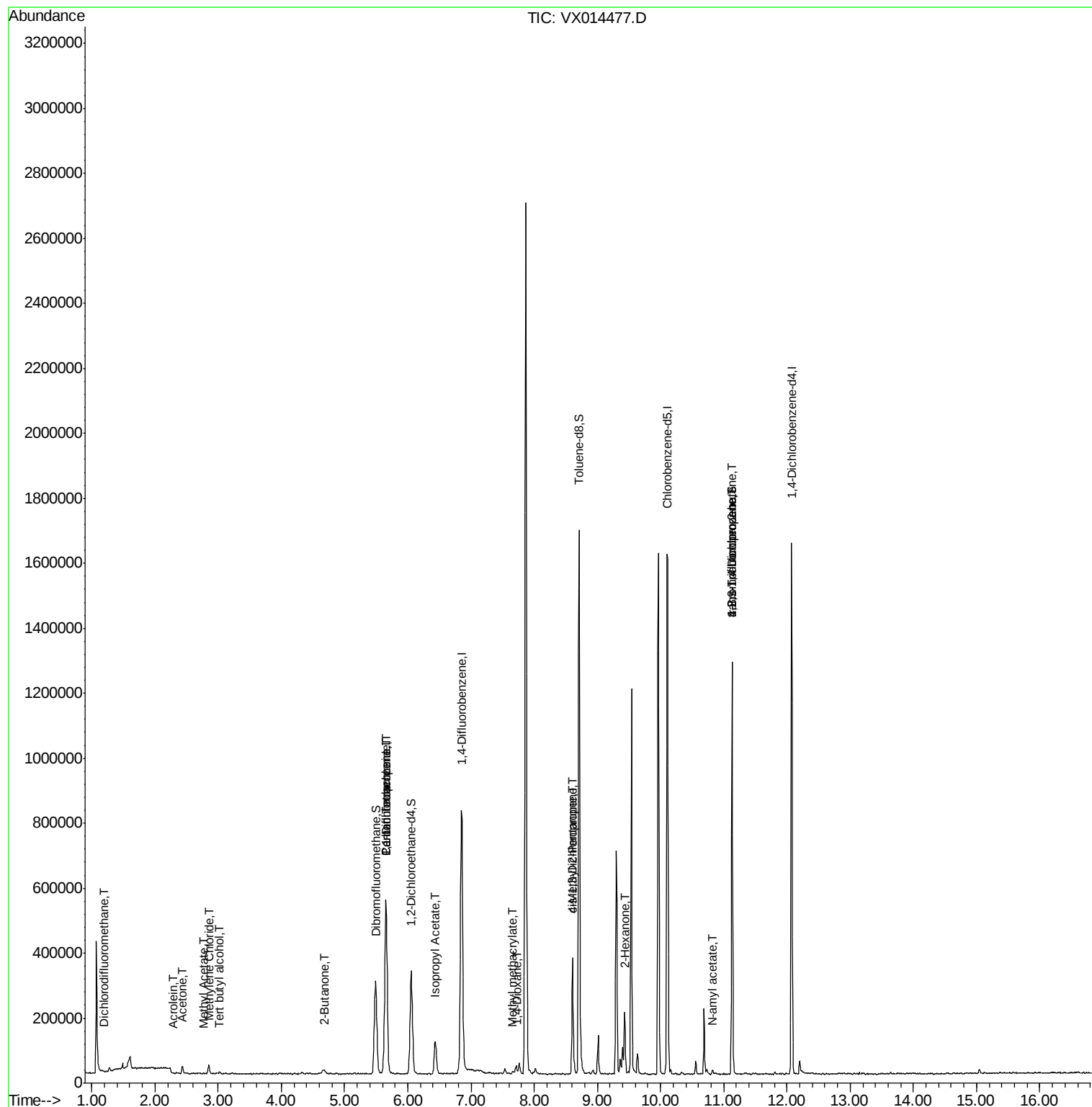
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	274	0.293	ug/l	86
6) Chloroethane	1.77	64	647	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	5774	4.547	ug/l	96
13) Acrolein	2.29	56	294	0.289	ug/l #	57
16) Acetone	2.43	43	27209	4.825	ug/l	100
18) Methyl Acetate	2.77	43	8057	0.922	ug/l	92
20) Methylene Chloride	2.85	84	12991	2.123	ug/l	98
25) 2-Butanone	4.67	43	11594	2.552	ug/l	100
36) 1,1-Dichloropropene	5.65	75	35689	4.539	ug/l #	52
38) Carbon Tetrachloride	5.65	117	48435	6.695	ug/l #	19
43) Isopropyl Acetate	6.43	43	140176	10.161	ug/l	98
48) Methyl methacrylate	7.67	41	8121	1.229	ug/l #	18
49) 1,4-Dioxane	7.73	88	273	1.950	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	127020	15.110	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	59195	6.230	ug/l #	58
59) 2-Hexanone	9.43	43	129120	19.412	ug/l #	23
74) N-amyl acetate	10.82	43	6393	0.590	ug/l #	56
76) 1,2,3-Trichloropropane	11.13	75	168615	23.320	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	168615	61.655	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	1099	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.64	180	488	Below Cal	#	72
96) 1,2,3-Trichlorobenzene	14.01	180	591	Below Cal	#	53

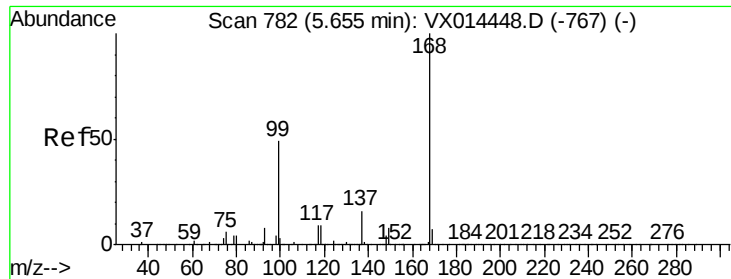
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010820\
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Quant Time: Jan 09 06:11:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

Instrument :

MSVOA_X

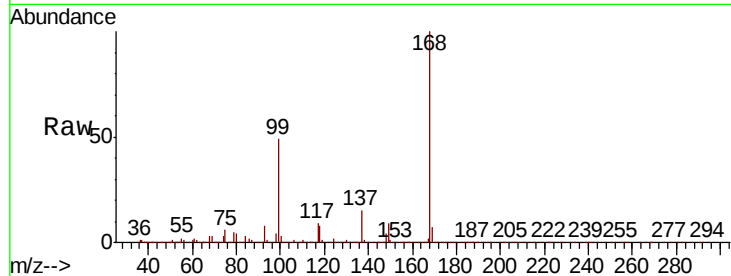
ClientSampleId :

Tot Ion:168 Resp: 544769

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

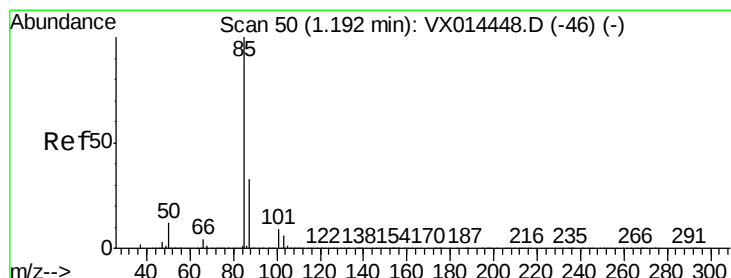
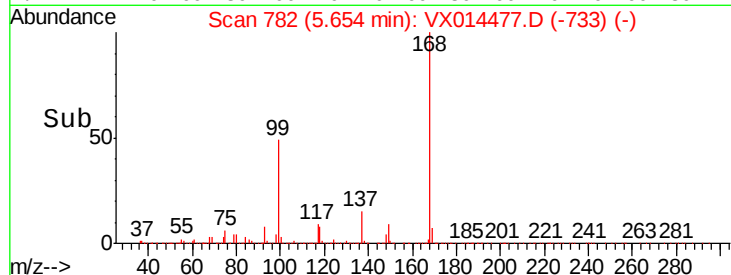
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.293 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014477.D

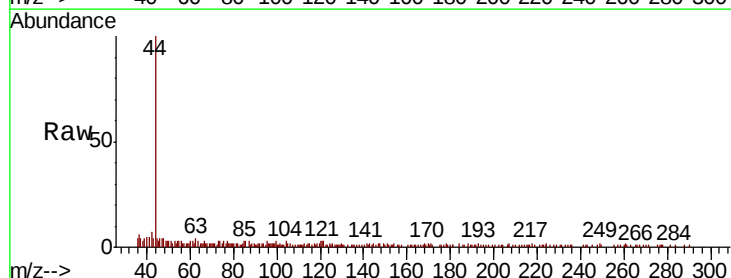
Acq: 08 Jan 2020 17:30

Tgt Ion: 85 Resp: 274

Ion Ratio Lower Upper

85 100

87 25.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

300

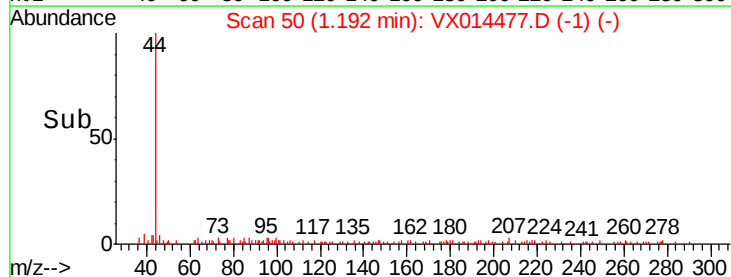
200

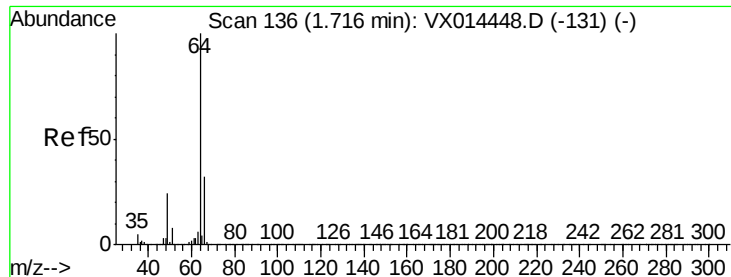
100

0

Time-->

1.16 1.18 1.20





#6

Chloroethane

Concen: Below Cal

RT: 1.77 min Scan# 145

Delta R.T. 0.06 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

Instrument :

MSVOA_X

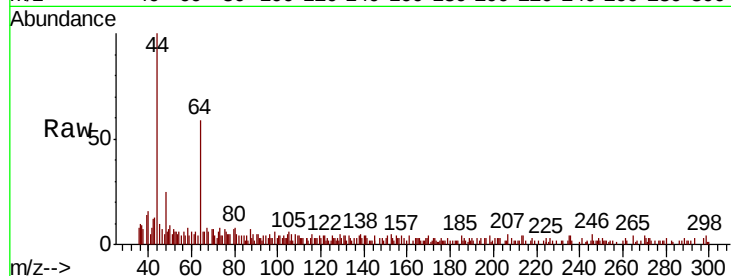
ClientSampled :

Tot Ion: 64 Resp: 647

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.77

2500

2000

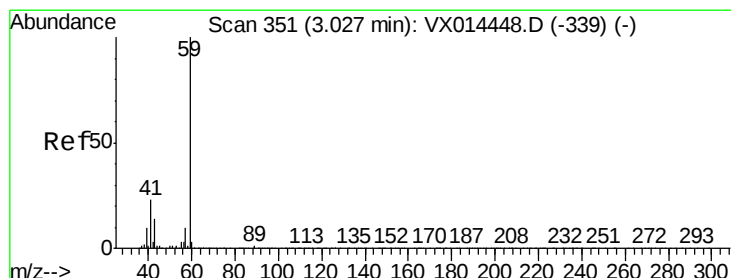
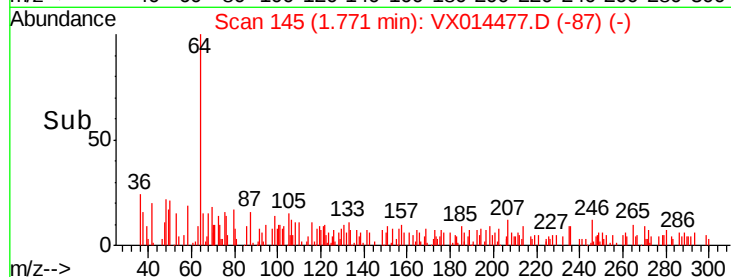
1500

1000

500

0

Time-->



#11

Tert butyl alcohol

Concen: 4.547 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX014477.D

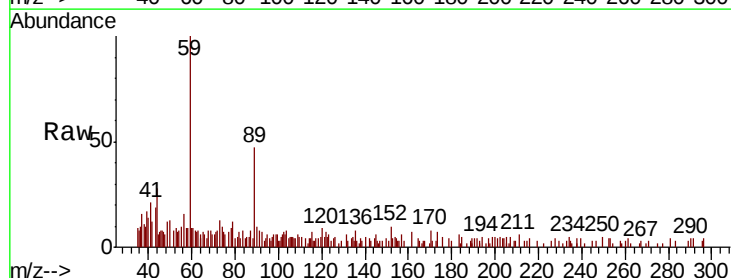
Acq: 08 Jan 2020 17:30

Tgt Ion: 59 Resp: 5774

Ion Ratio Lower Upper

59 100

57 9.0 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

2500

2000

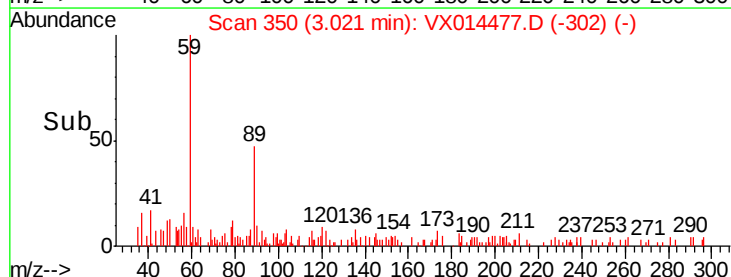
1500

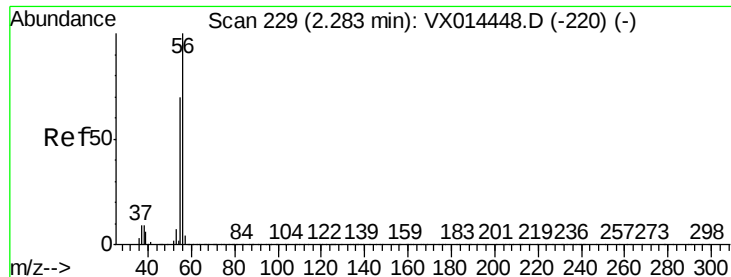
1000

500

0

Time-->





#13

Acrolein

Concen: 0.289 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

Instrument :

MSVOA_X

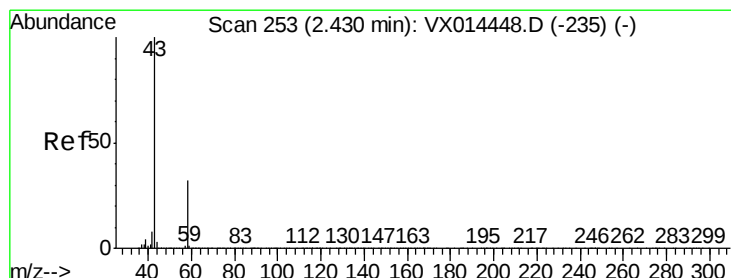
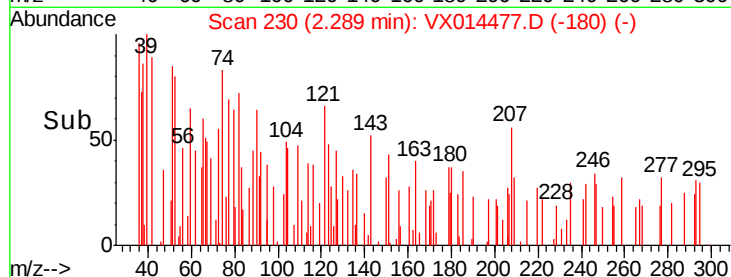
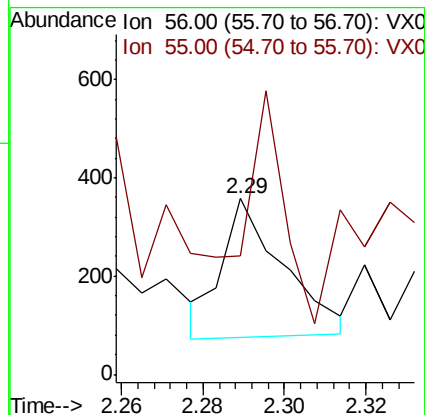
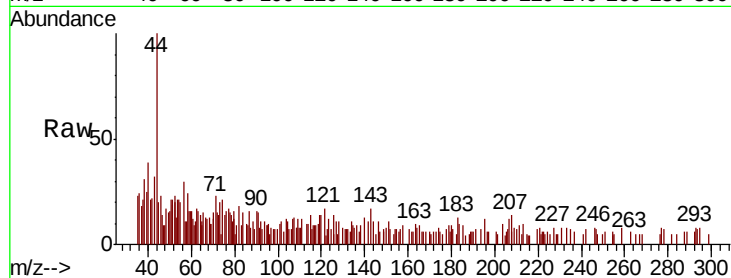
ClientSampled :

Tot Ion: 56 Resp: 294

Ion Ratio Lower Upper

56 100

55 104.1 55.0 82.6#



#16

Acetone

Concen: 4.825 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014477.D

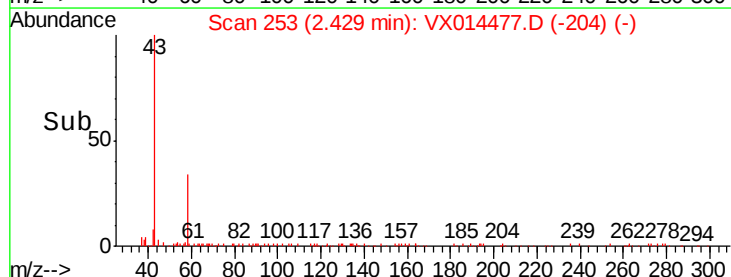
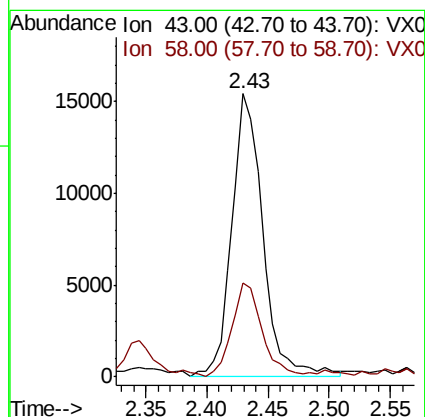
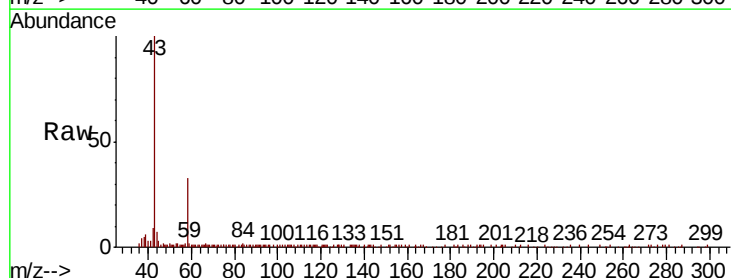
Acq: 08 Jan 2020 17:30

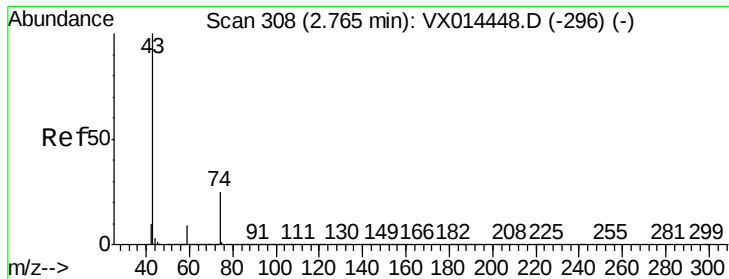
Tgt Ion: 43 Resp: 27209

Ion Ratio Lower Upper

43 100

58 31.6 25.4 38.0

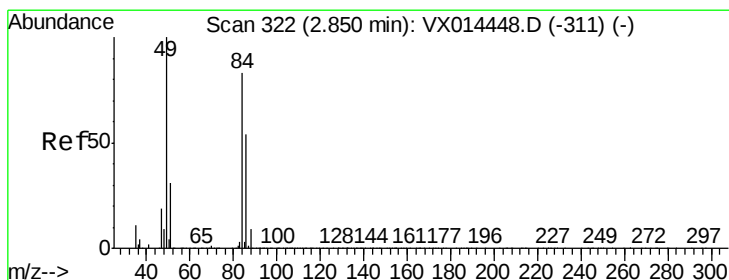
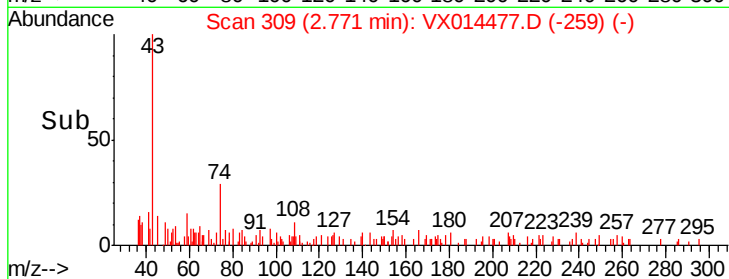
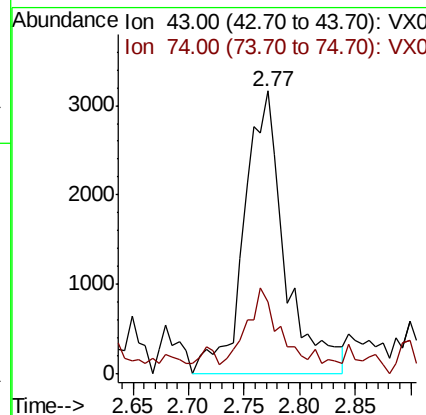
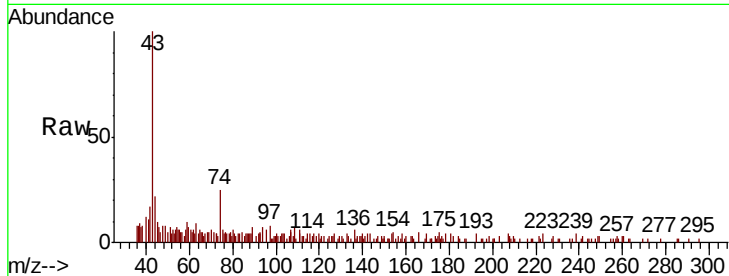




#18
Methyl Acetate
Concen: 0.922 ug/l
RT: 2.77 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX014477.D
Acq: 08 Jan 2020 17:30

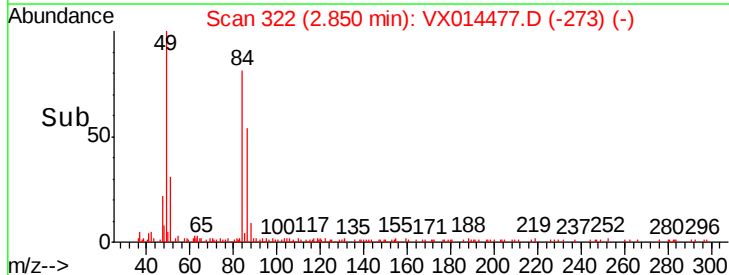
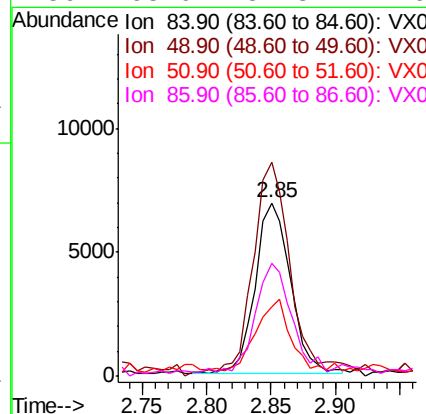
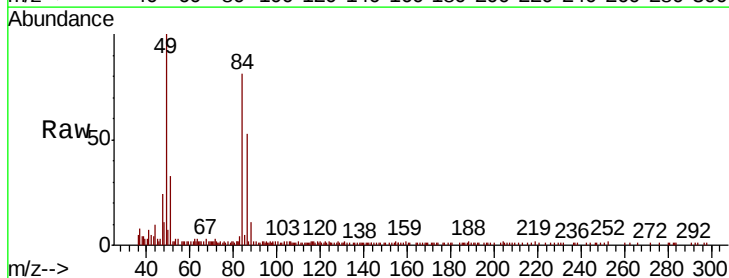
Instrument :
MSVOA_X
ClientSampleId :

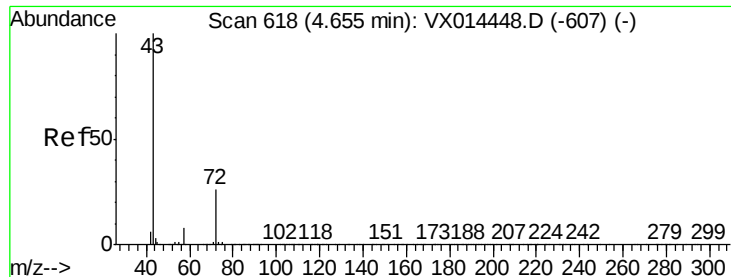
Tot Ion: 43 Resp: 8057
Ion Ratio Lower Upper
43 100
74 20.4 19.4 29.2



#20
Methylene Chloride
Concen: 2.123 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014477.D
Acq: 08 Jan 2020 17:30

Tgt Ion: 84 Resp: 12991
Ion Ratio Lower Upper
84 100
49 123.4 95.8 143.8
51 37.8 30.2 45.4
86 63.9 51.8 77.6





#25

2-Butanone

Concen: 2.552 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

Instrument :

MSVOA_X

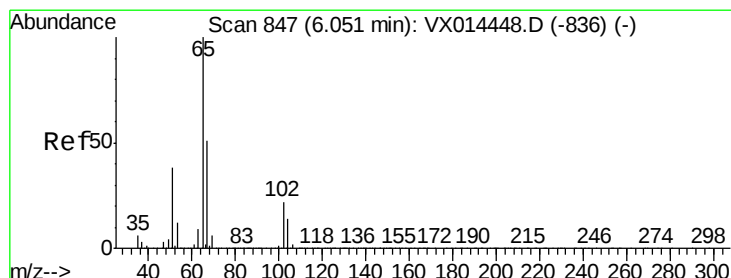
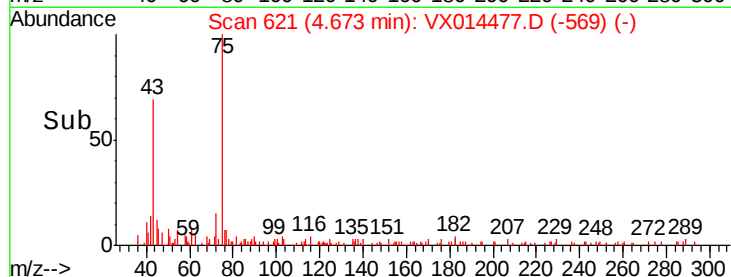
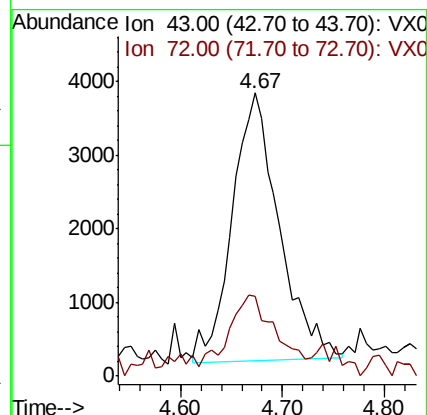
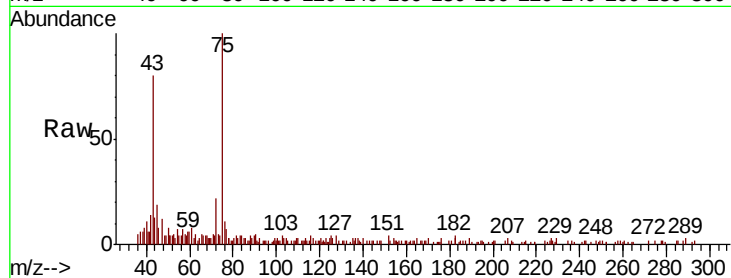
ClientSampleId :

Tot Ion: 43 Resp: 11594

Ion Ratio Lower Upper

43 100

72 25.9 20.6 31.0



#33

1,2-Dichloroethane-d4

Concen: 48.483 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014477.D

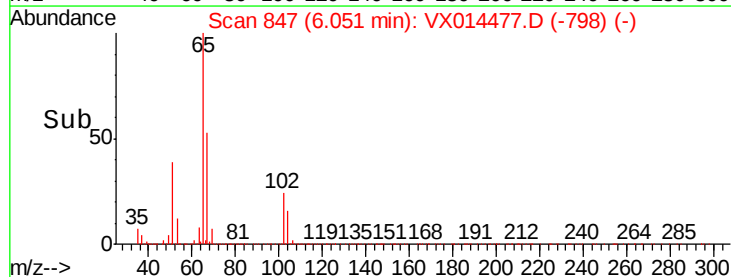
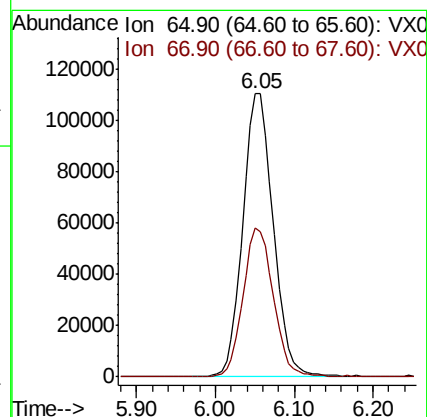
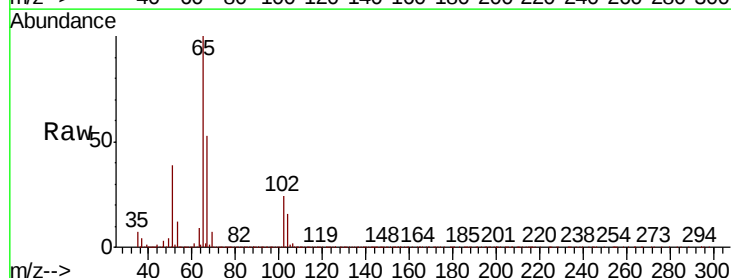
Acq: 08 Jan 2020 17:30

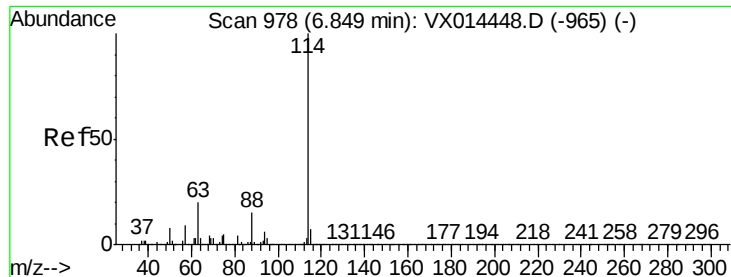
Tgt Ion: 65 Resp: 294847

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

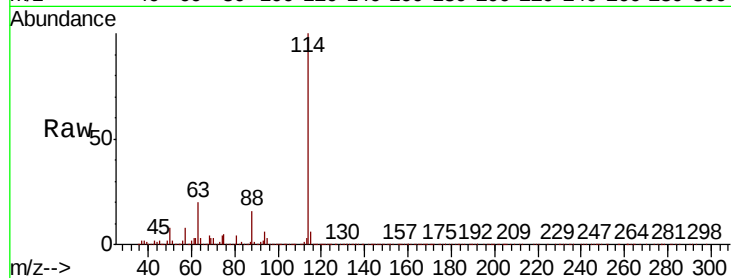
Tot Ion:114 Resp: 836016

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

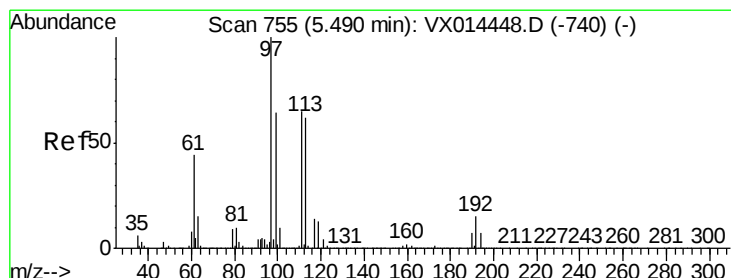
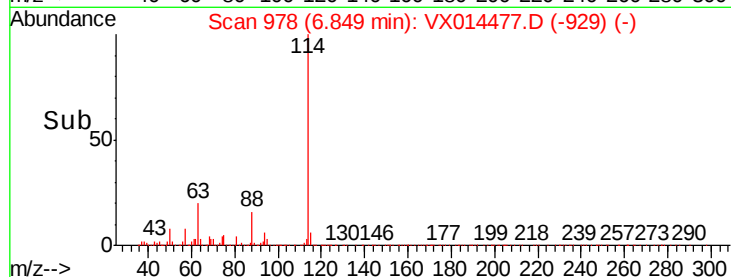
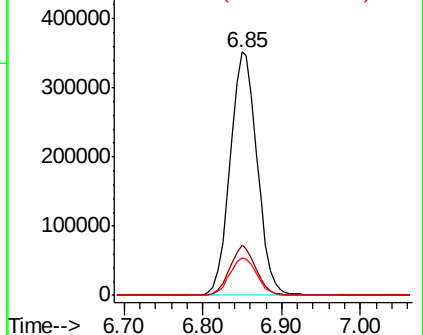
88 15.5 0.0 30.8



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: 49.316 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

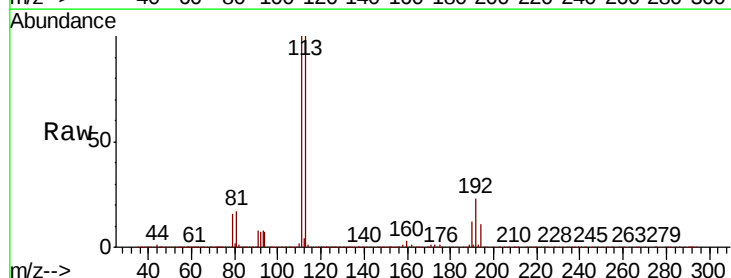
Tgt Ion:113 Resp: 249579

Ion Ratio Lower Upper

113 100

111 100.3 81.5 122.3

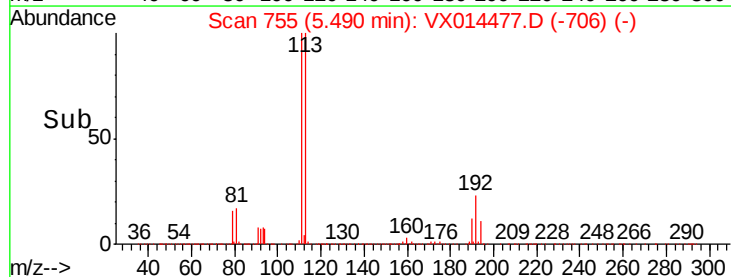
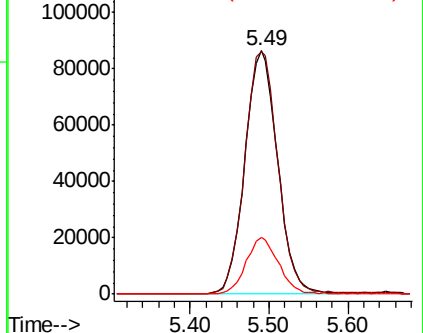
192 23.1 19.2 28.8

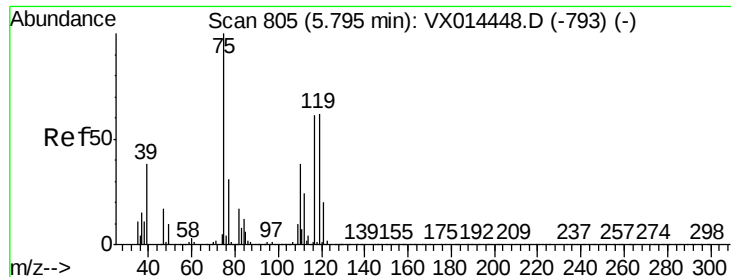


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

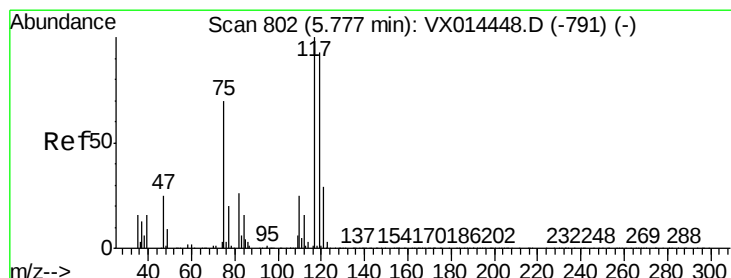
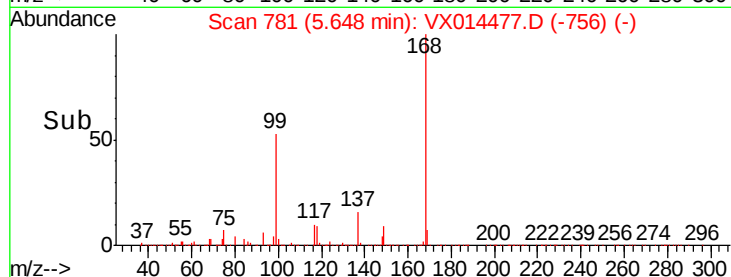
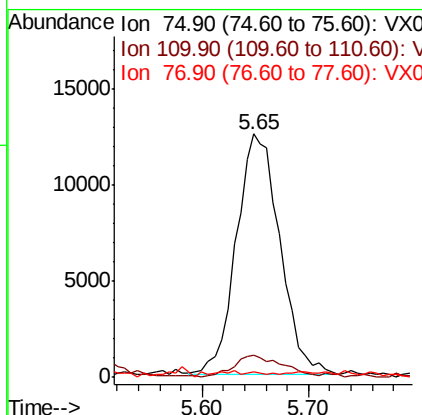
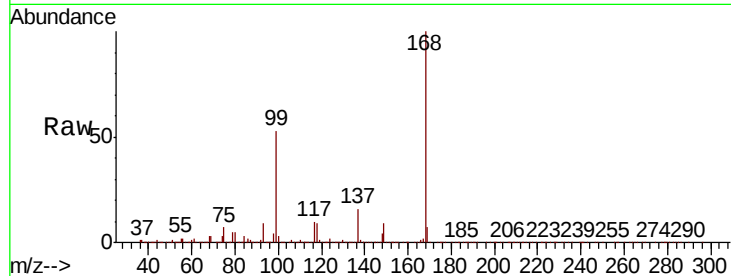




#36
 1,1-Dichloropropene
 Concen: 4.539 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014477.D
 Acq: 08 Jan 2020 17:30

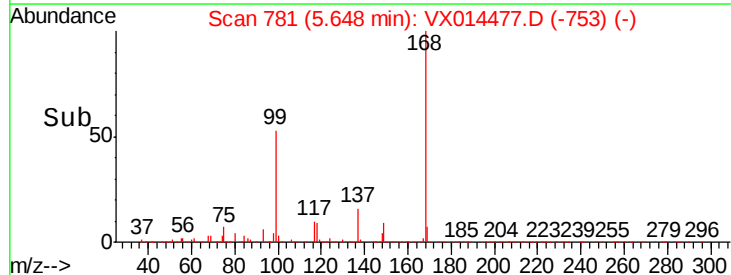
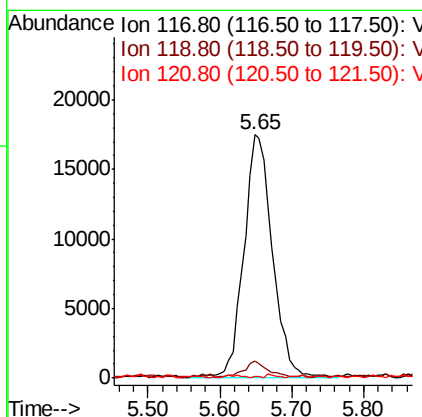
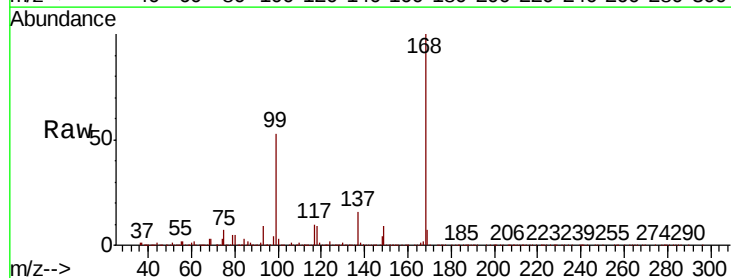
Instrument :
 MSVOA_X
 ClientSampleId :

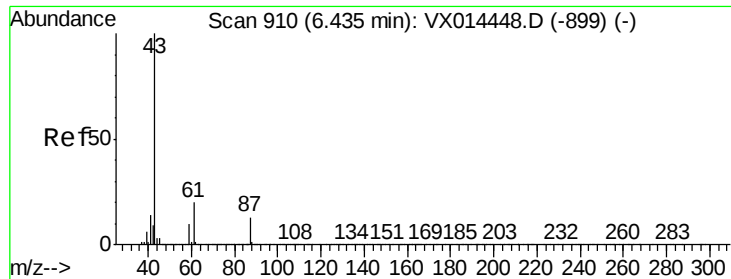
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.6	55.8#
77	2.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.695 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014477.D
 Acq: 08 Jan 2020 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	73.8	110.8#
121	0.0	23.4	35.0#



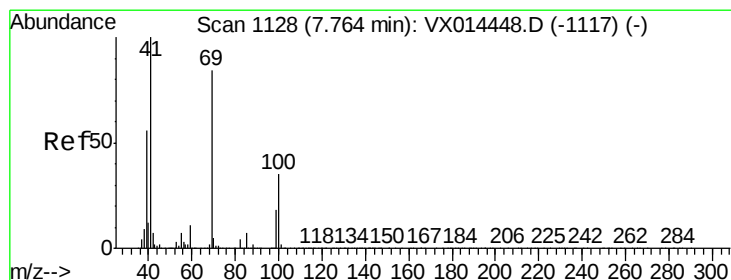
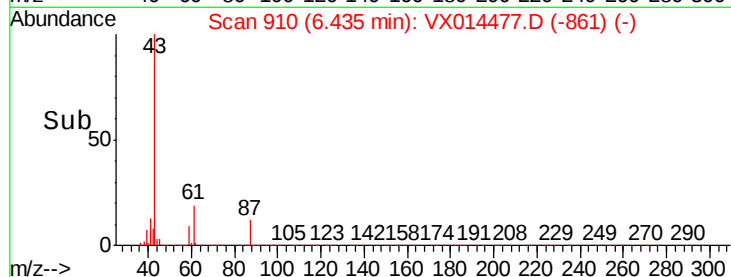
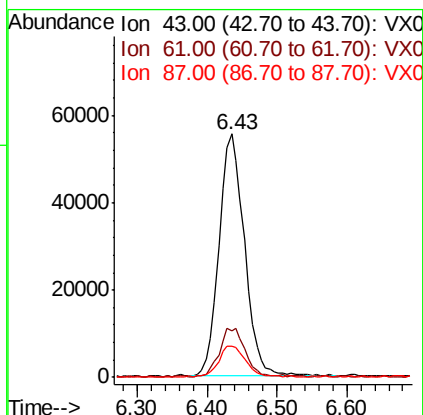
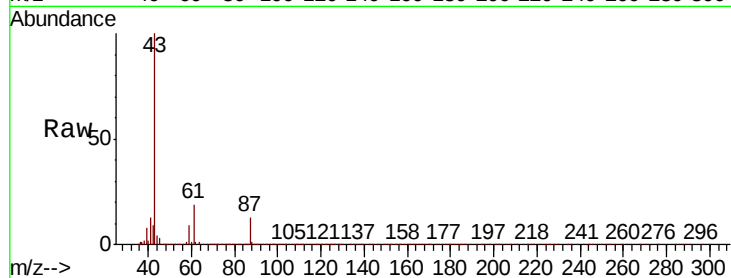


#43

Isopropyl Acetate
 Concen: 10.161 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX014477.D
 Acq: 08 Jan 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :

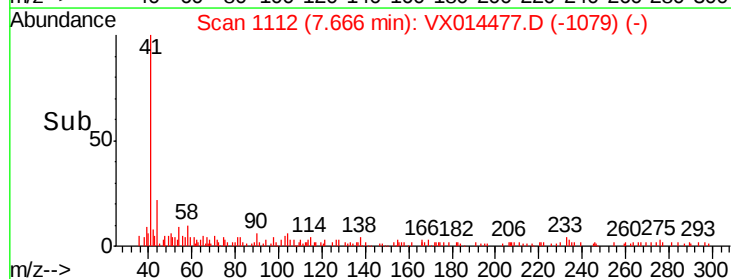
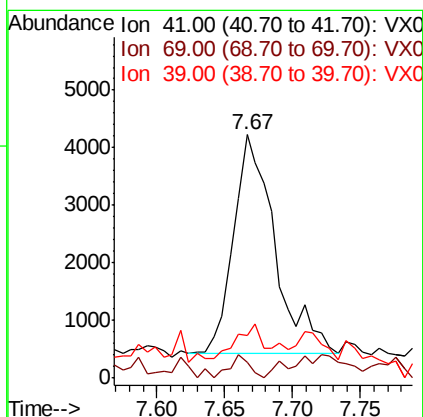
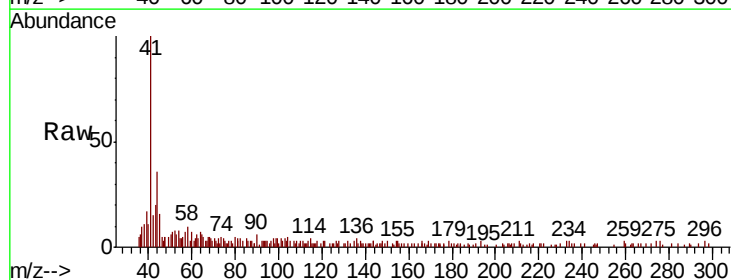
Tot Ion	43	Resp	140176
Ion Ratio	Lower	Upper	
43	100		
61	19.9	16.6	24.8
87	14.2	10.8	16.2

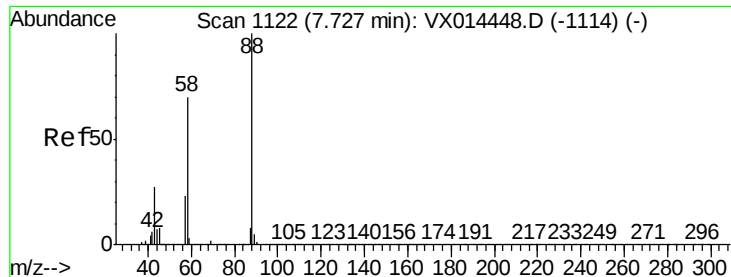


#48

Methyl methacrylate
 Concen: 1.229 ug/l
 RT: 7.67 min Scan# 1112
 Delta R.T. -0.10 min
 Lab File: VX014477.D
 Acq: 08 Jan 2020 17:30

Tgt Ion	41	Resp	8121
Ion Ratio	Lower	Upper	
41	100		
69	4.8	65.5	98.3#
39	0.0	43.9	65.9#





#49

1,4-Dioxane

Concen: 1.950 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

Instrument :

MSVOA_X

ClientSampled :

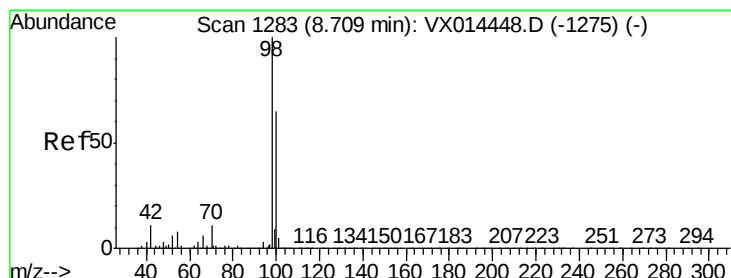
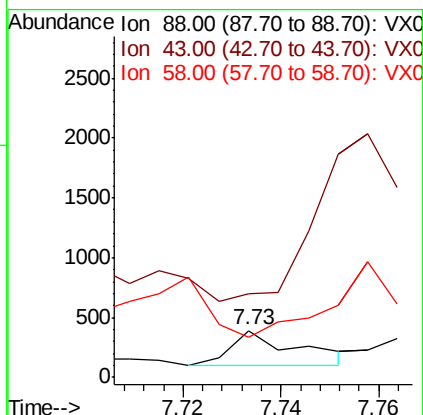
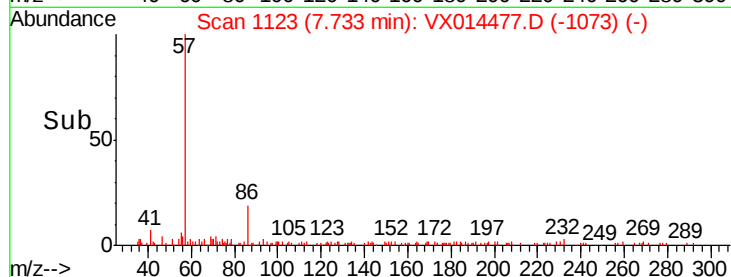
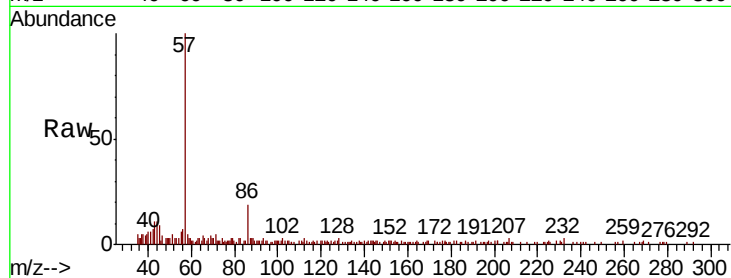
Tot Ion: 88 Resp: 273

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 331.9 57.1 85.7#



#50

Toluene-d8

Concen: 50.704 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014477.D

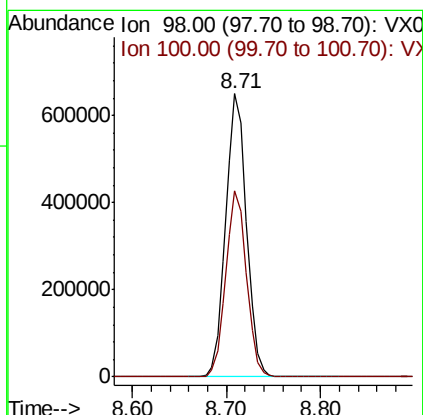
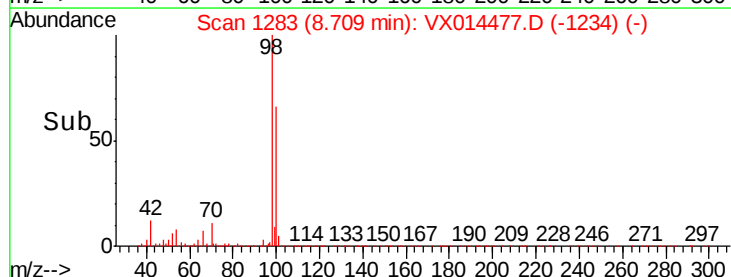
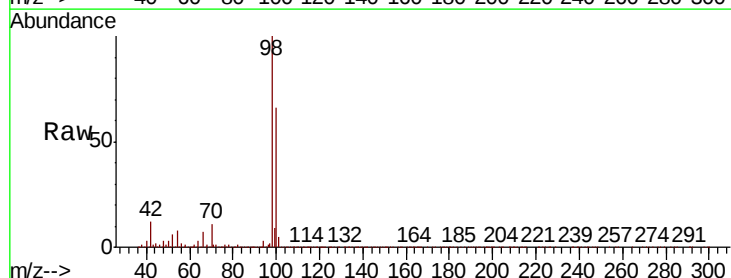
Acq: 08 Jan 2020 17:30

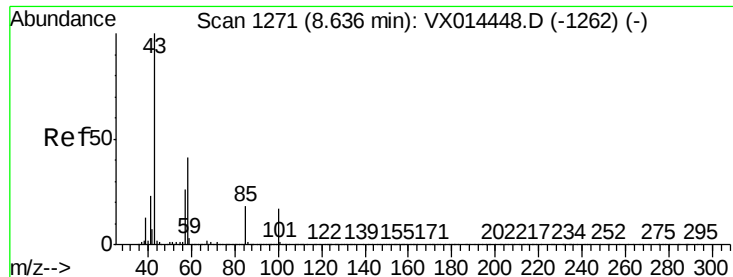
Tgt Ion: 98 Resp: 995777

Ion Ratio Lower Upper

98 100

100 65.4 53.2 79.8

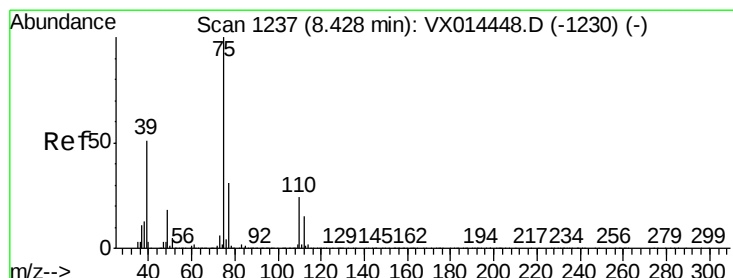
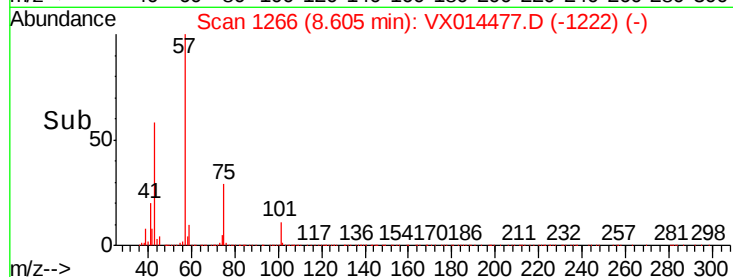
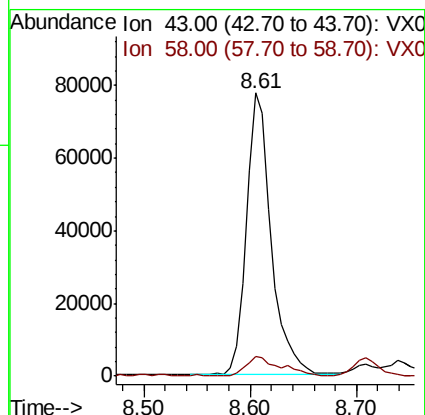
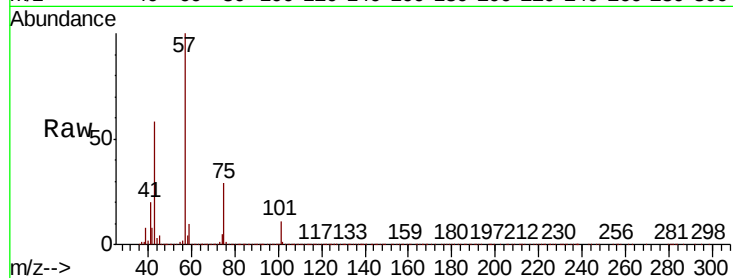




#51
4-Methyl-2-Pentanone
Concen: 15.110 ug/l
RT: 8.61 min Scan# 1266
Delta R.T. -0.03 min
Lab File: VX014477.D
Acq: 08 Jan 2020 17:30

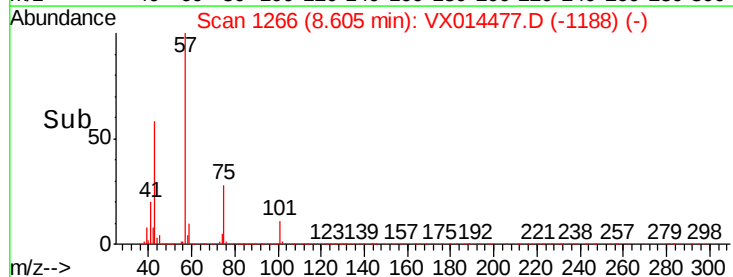
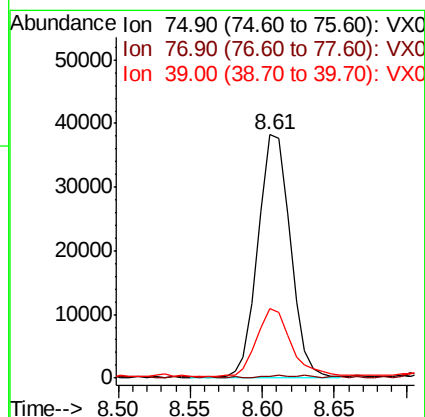
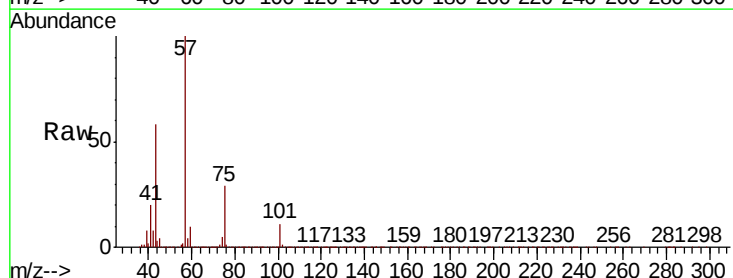
Instrument :
MSVOA_X
ClientSampleId :

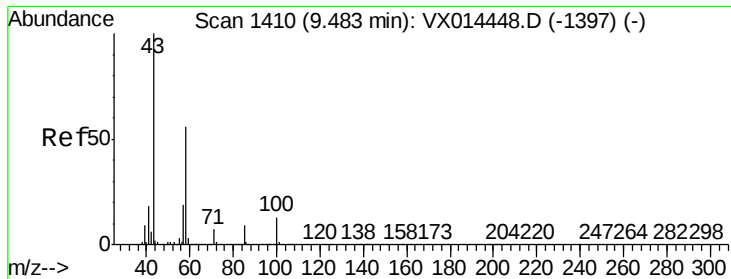
Tot Ion: 43 Resp: 127020
Ion Ratio Lower Upper
43 100
58 9.9 32.4 48.6#



#54
cis-1,3-Dichloropropene
Concen: 6.230 ug/l
RT: 8.61 min Scan# 1266
Delta R.T. 0.18 min
Lab File: VX014477.D
Acq: 08 Jan 2020 17:30

Tgt Ion: 75 Resp: 59195
Ion Ratio Lower Upper
75 100
77 0.2 25.0 37.4#
39 27.8 40.7 61.1#

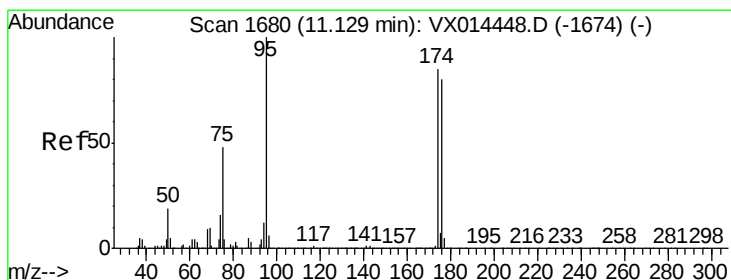
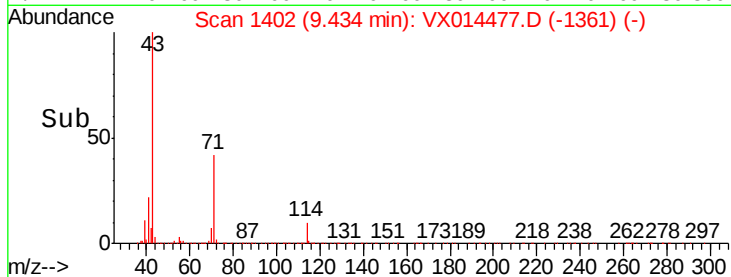
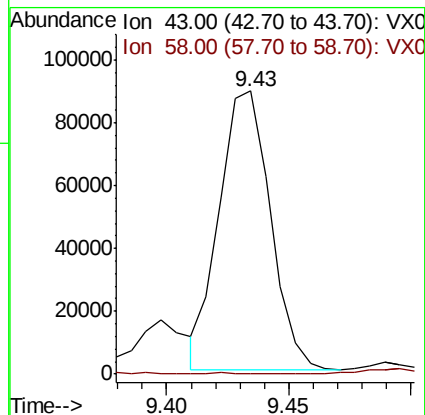
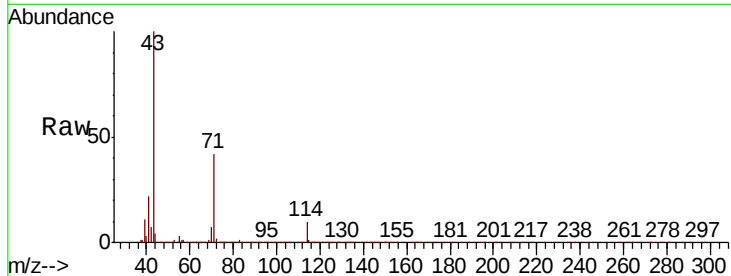




#59
2-Hexanone
Concen: 19.412 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX014477.D
Acq: 08 Jan 2020 17:30

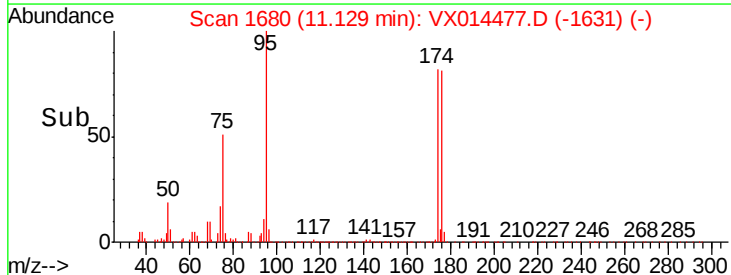
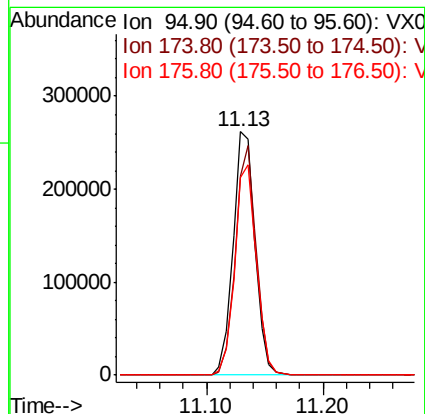
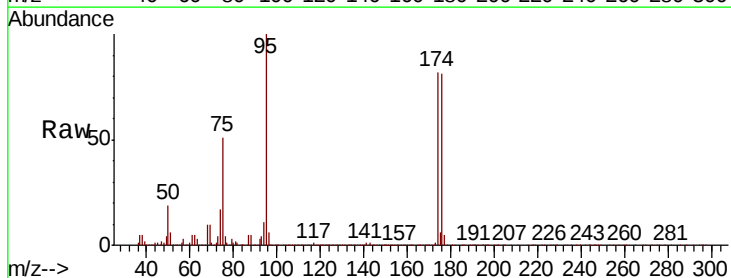
Instrument :
MSVOA_X
ClientSampleId :

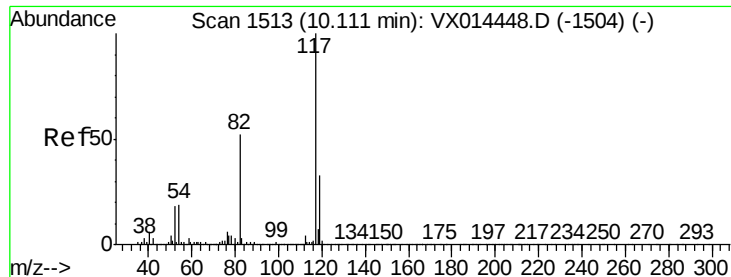
Tot Ion: 43 Resp: 129120
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 47.472 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014477.D
Acq: 08 Jan 2020 17:30

Tgt Ion: 95 Resp: 342265
Ion Ratio Lower Upper
95 100
174 89.9 0.0 180.8
176 86.1 0.0 172.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

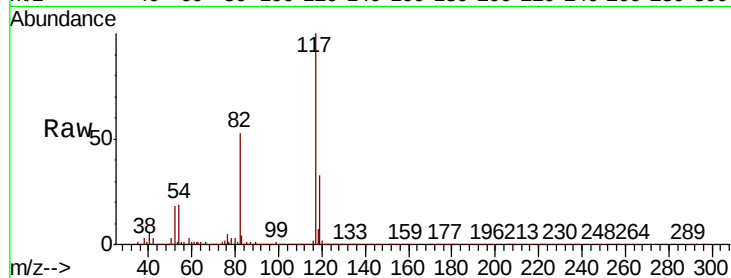
Tot Ion:117 Resp: 758544

Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.6

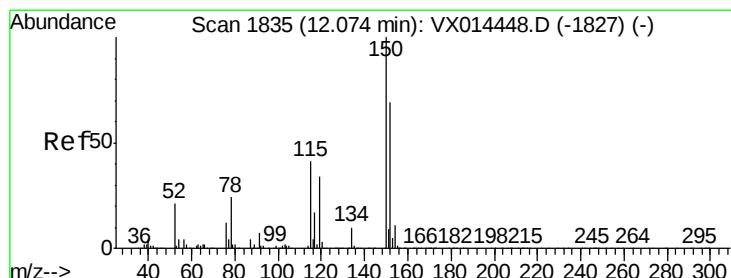
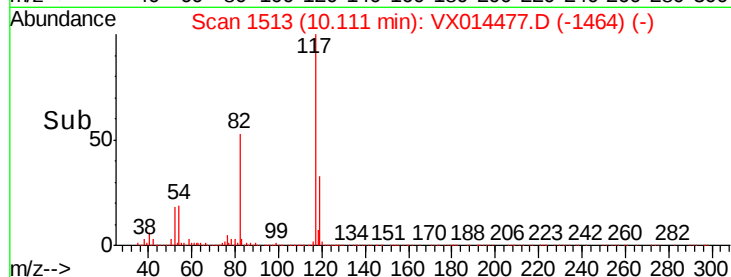
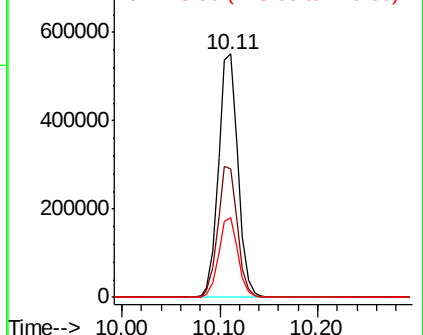
119 32.7 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

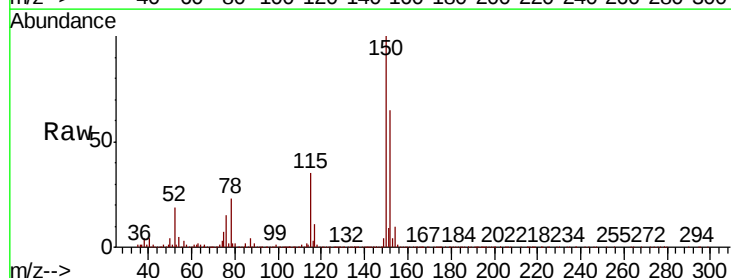
Tgt Ion:152 Resp: 349457

Ion Ratio Lower Upper

152 100

115 54.7 39.5 118.3

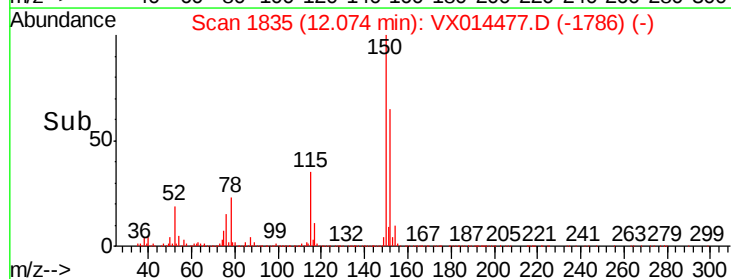
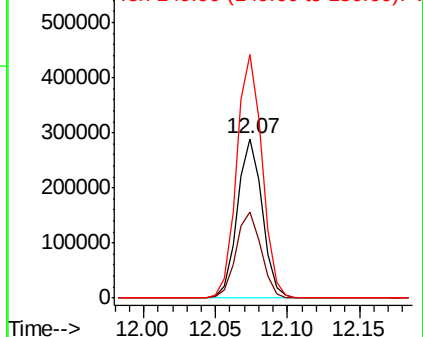
150 155.6 0.0 350.2

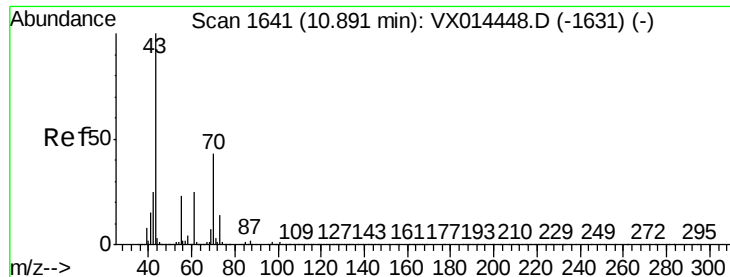


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.590 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014477.D

Acq: 08 Jan 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 6393

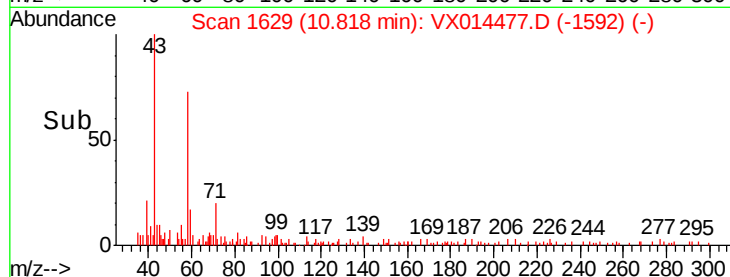
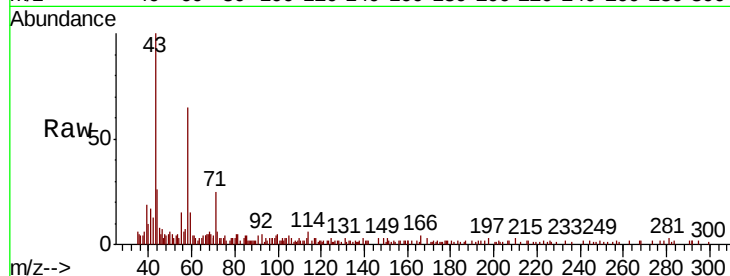
Ion Ratio Lower Upper

43 100

70 11.6 35.1 52.7#

55 10.8 19.3 28.9#

61 0.0 20.0 30.0#

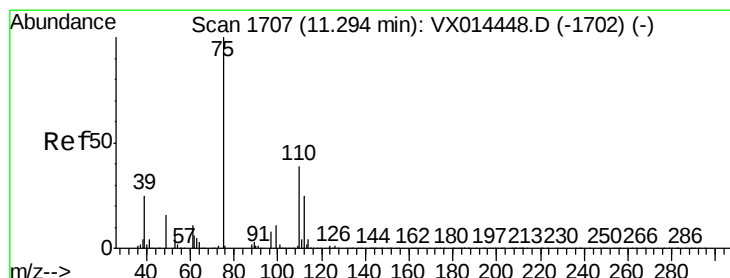
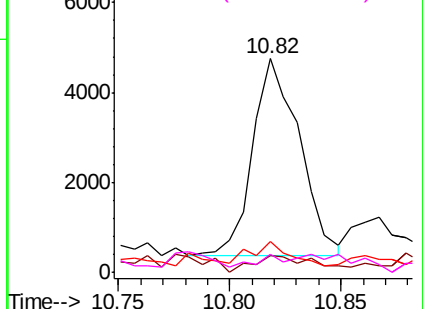


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.320 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014477.D

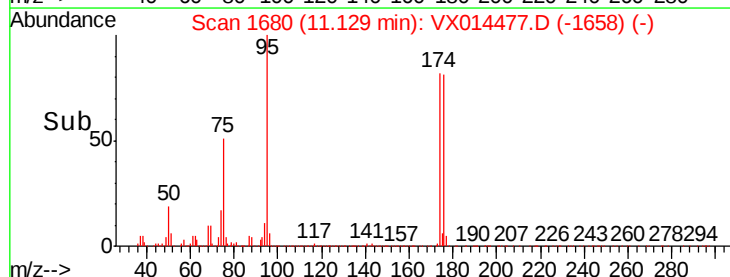
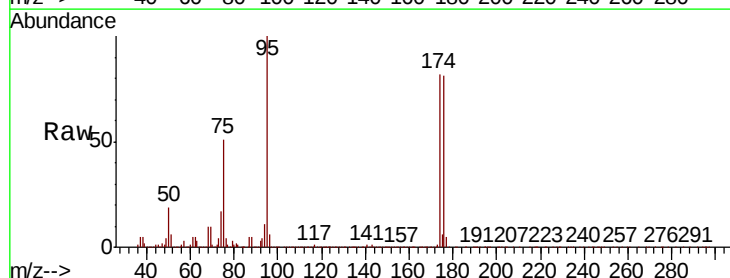
Acq: 08 Jan 2020 17:30

Tgt Ion: 75 Resp: 168615

Ion Ratio Lower Upper

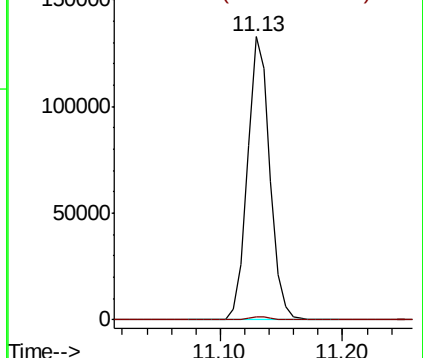
75 100

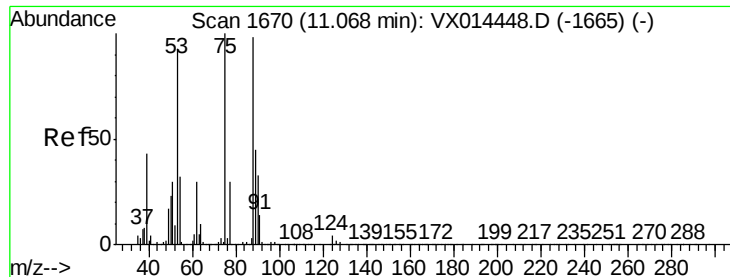
77 1.6 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

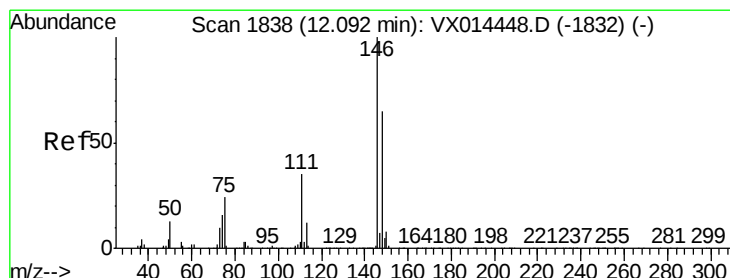
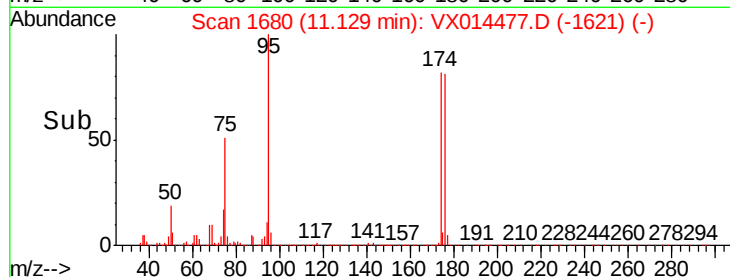
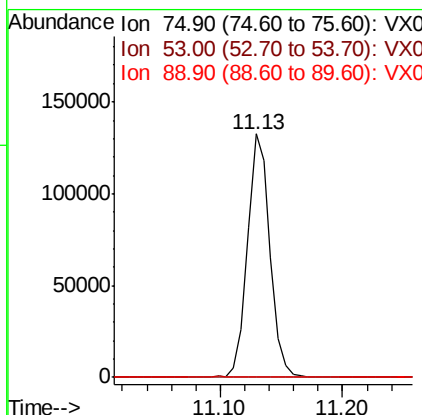
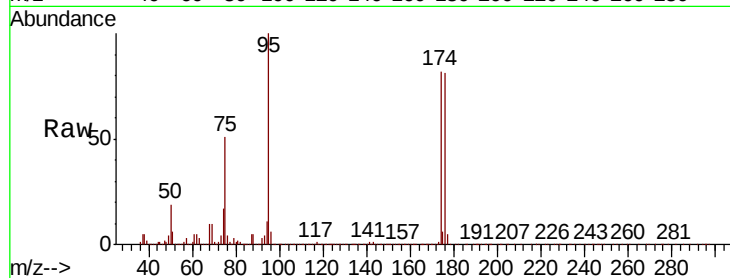




#81
trans-1,4-Dichloro-2-butene
Concen: 61.655 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014477.D
Acq: 08 Jan 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 168615
Ion Ratio Lower Upper
75 100
53 0.1 74.8 112.2#
89 0.2 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014477.D
Acq: 08 Jan 2020 17:30

Tgt Ion: 146 Resp: 1099
Ion Ratio Lower Upper
146 100
111 387.5 18.1 54.1#
148 194.8 32.1 96.3#

