

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010820\
 Data File : VX014479.D
 Acq On : 08 Jan 2020 18:17
 Operator : JC/SP
 Sample : PB125924ZHE#03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 06:11:53 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

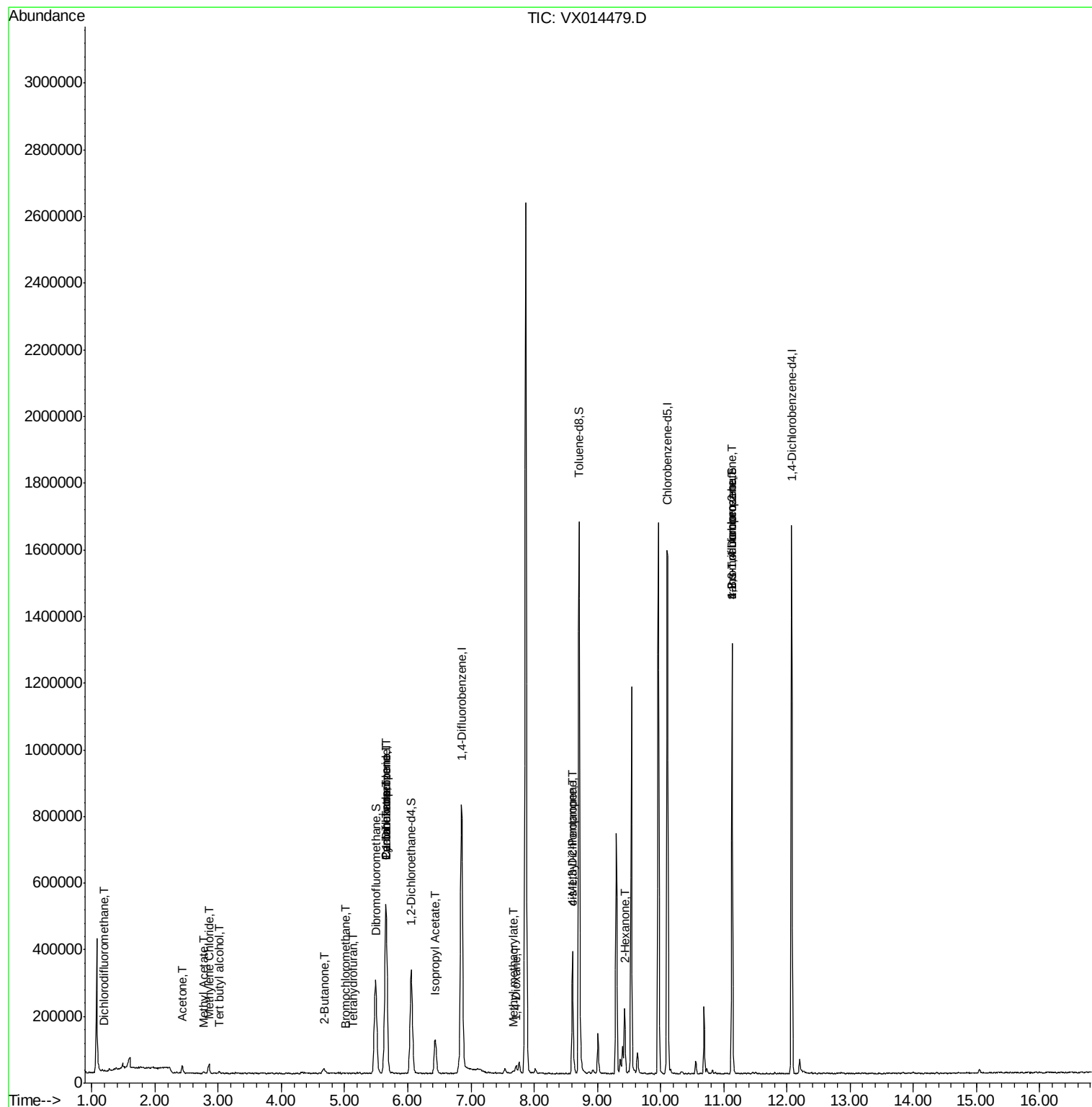
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	526872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	821586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	749694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	347863	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	290369	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	5.49	113	243178	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	8.71	98	975383	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.14	95	340387	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	386	0.311	ug/l #	70
6) Chloroethane	1.58	64	976	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	5902	4.806	ug/l #	87
16) Acetone	2.43	43	23777	3.950	ug/l	99
18) Methyl Acetate	2.76	43	5921	0.700	ug/l #	76
20) Methylene Chloride	2.85	84	15313	2.588	ug/l	91
25) 2-Butanone	4.67	43	11340	2.581	ug/l #	82
28) Bromochloromethane	5.01	49	836	0.207	ug/l #	10
29) Tetrahydrofuran	5.14	42	540	0.208	ug/l	98
31) Cyclohexane	5.65	56	8255	0.918	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	35272	4.565	ug/l #	51
38) Carbon Tetrachloride	5.65	117	44920	6.318	ug/l #	19
43) Isopropyl Acetate	6.44	43	139195	10.267	ug/l	99
48) Methyl methacrylate	7.67	41	7905	1.217	ug/l #	15
49) 1,4-Dioxane	7.72	88	257	1.868	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	129701	15.700	ug/l #	48
54) cis-1,3-Dichloropropene	8.61	75	60235	6.451	ug/l #	56
59) 2-Hexanone	9.43	43	152967	23.401	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	167611	23.288	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	167611	61.569	ug/l #	12
88) 1,4-Dichlorobenzene	11.93	146	313	Below Cal		81
93) 1,2,4-Trichlorobenzene	13.64	180	479	Below Cal	#	1
96) 1,2,3-Trichlorobenzene	13.81	180	102	Below Cal		74

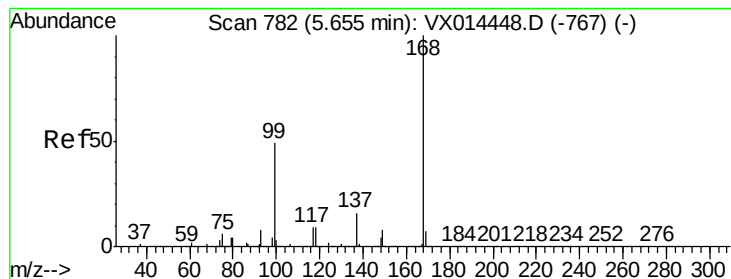
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010820\
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ClientSampleId :

Quant Time: Jan 09 06:11:53 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: VX014479.D

Acq: 08 Jan 2020 18:17

Instrument :

MSVOA_X

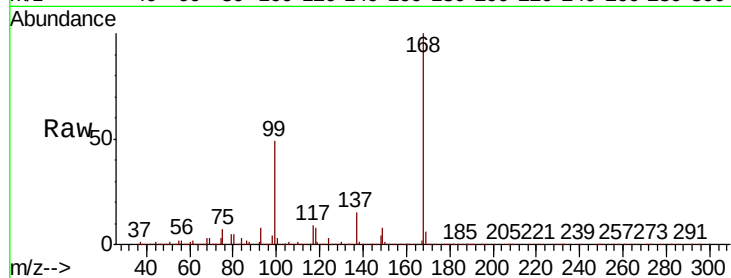
ClientSampled :

Tot Ion:168 Resp: 526872

Ion Ratio Lower Upper

168 100

99 48.7 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

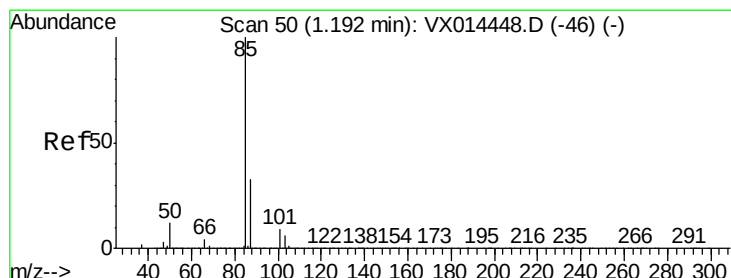
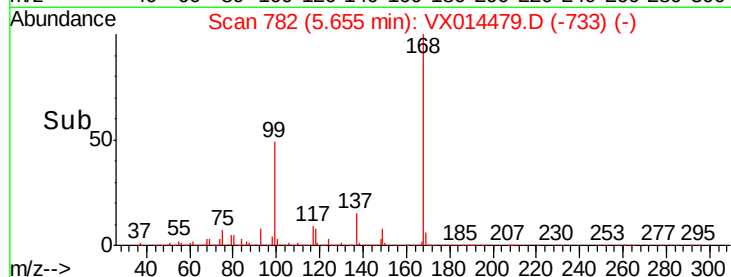
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.311 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX014479.D

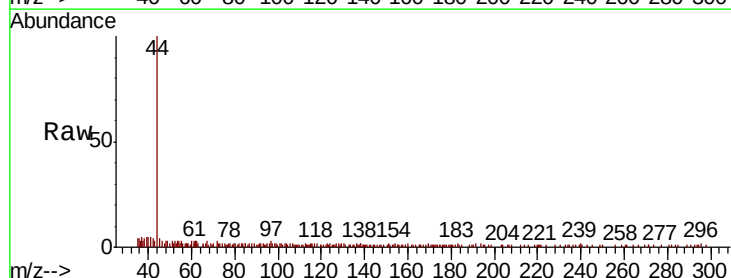
Acq: 08 Jan 2020 18:17

Tgt Ion: 85 Resp: 386

Ion Ratio Lower Upper

85 100

87 16.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

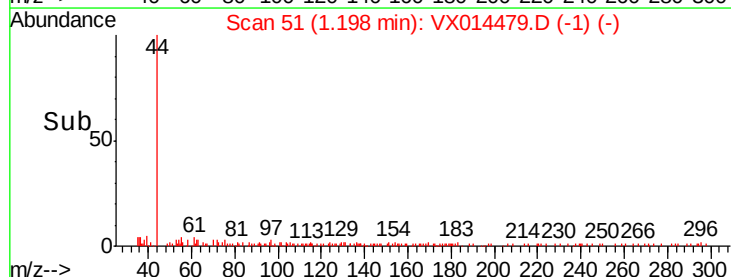
200

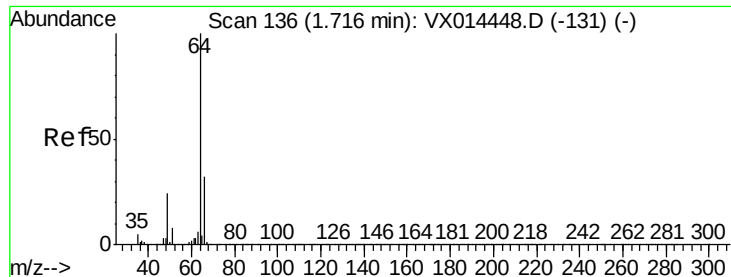
100

0

Time-->

1.16 1.18 1.20





#6

Chloroethane

Concen: Below Cal

RT: 1.58 min Scan# 113

Delta R.T. -0.14 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

Instrument :

MSVOA_X

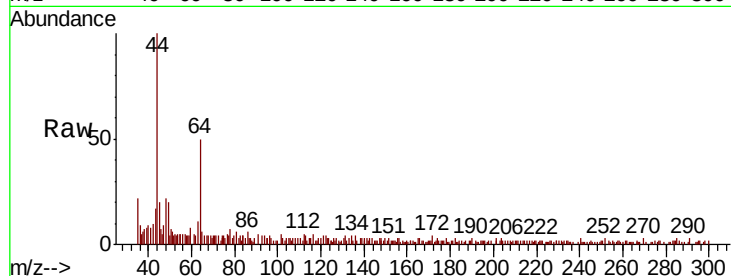
ClientSampleId :

Tot Ion: 64 Resp: 976

Ion Ratio Lower Upper

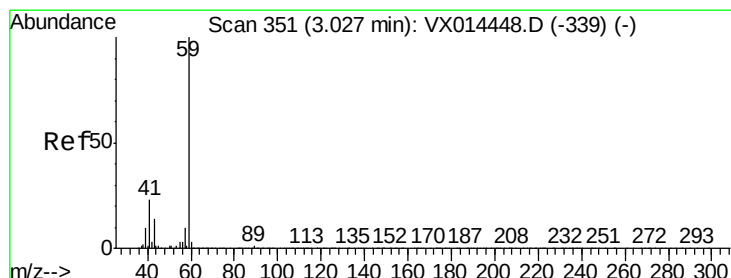
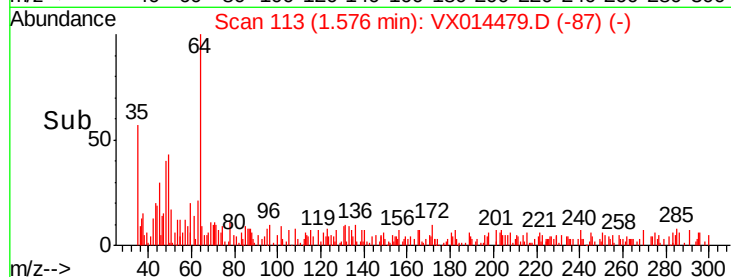
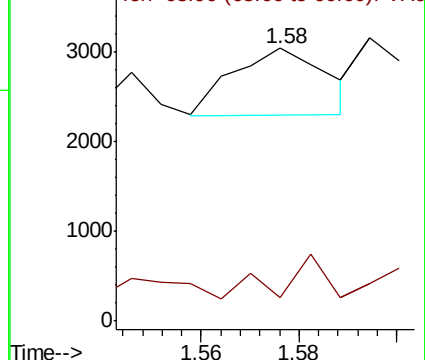
64 100

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



#11

Tert butyl alcohol

Concen: 4.806 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX014479.D

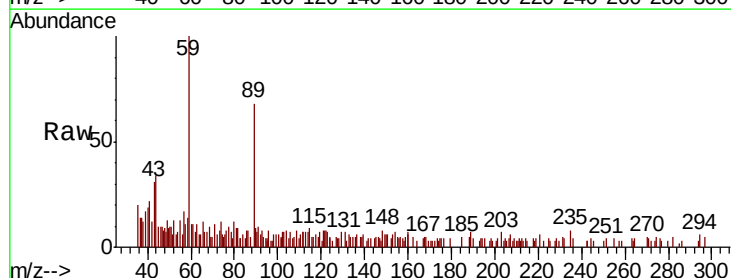
Acq: 08 Jan 2020 18:17

Tgt Ion: 59 Resp: 5902

Ion Ratio Lower Upper

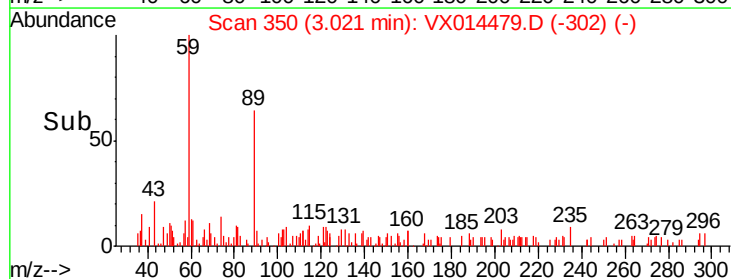
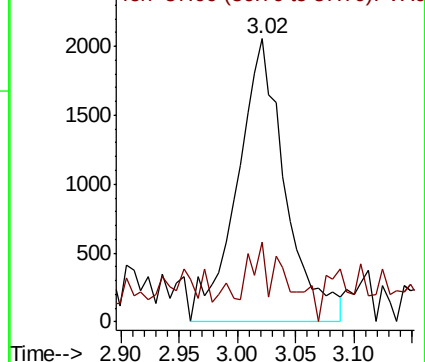
59 100

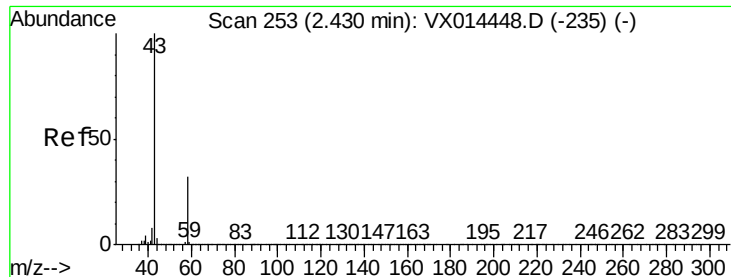
57 5.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

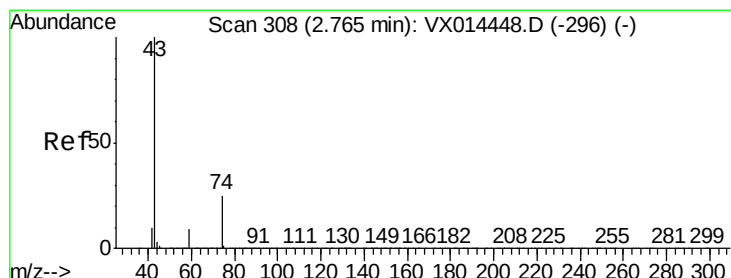
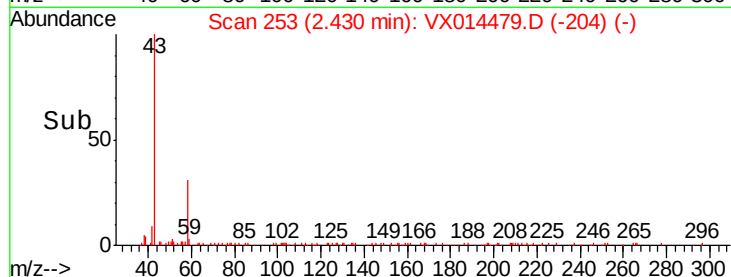
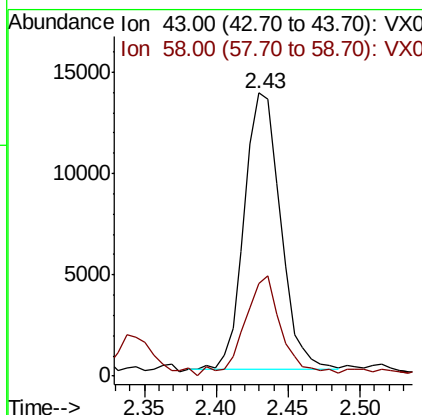
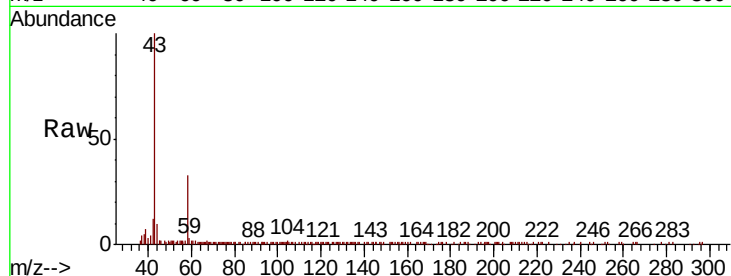




#16
Acetone
Concen: 3.950 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

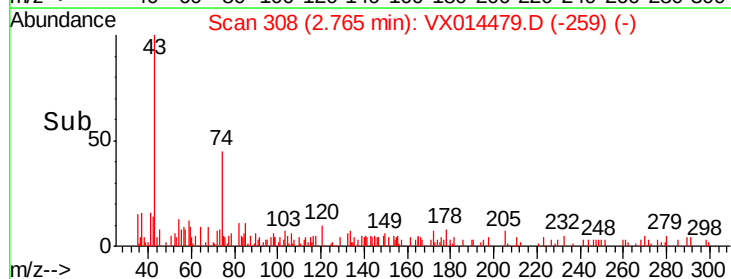
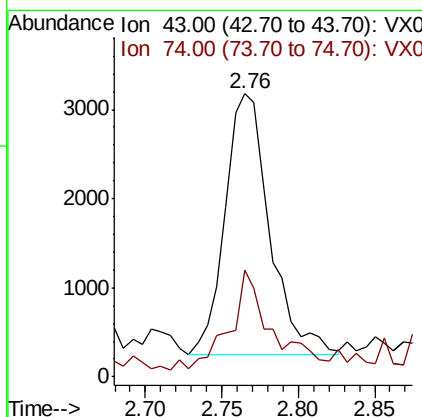
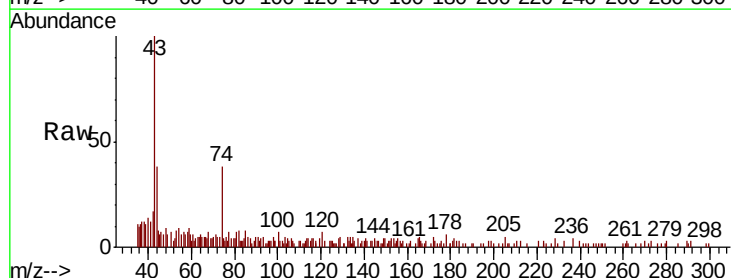
Instrument :
MSVOA_X
ClientSampleId :

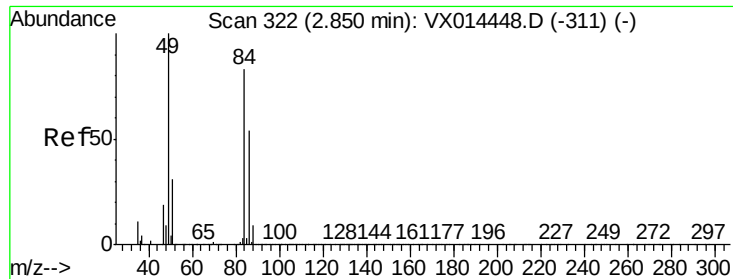
Tot Ion: 43 Resp: 23777
Ion Ratio Lower Upper
43 100
58 32.5 25.4 38.0



#18
Methyl Acetate
Concen: 0.700 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

Tgt Ion: 43 Resp: 5921
Ion Ratio Lower Upper
43 100
74 36.4 19.4 29.2#

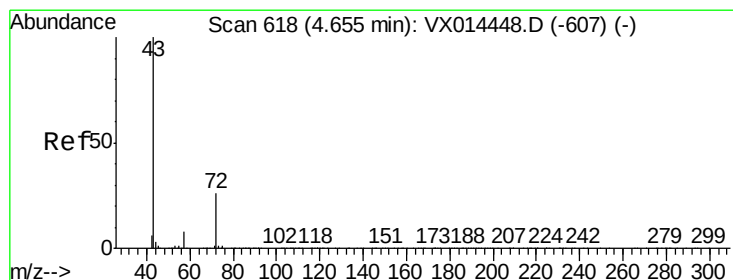
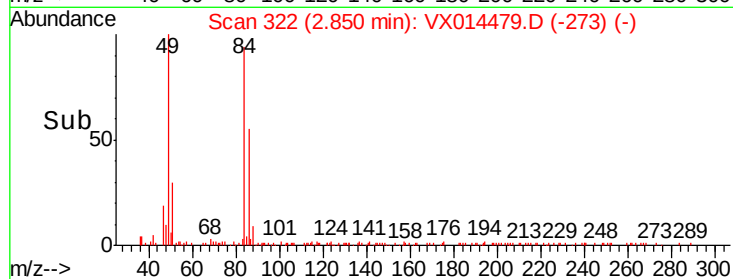
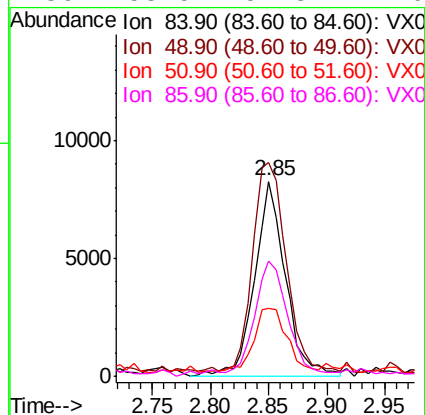
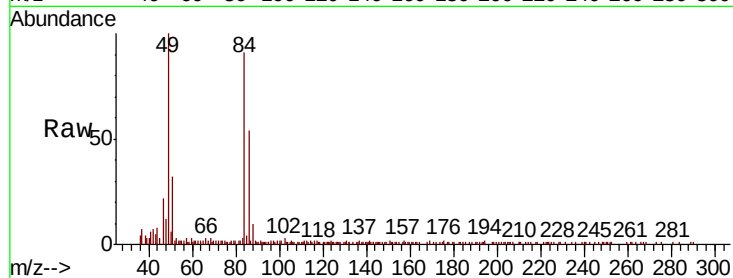




#20
Methylene Chloride
Concen: 2.588 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

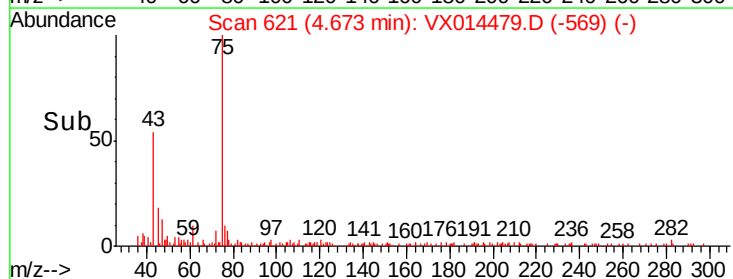
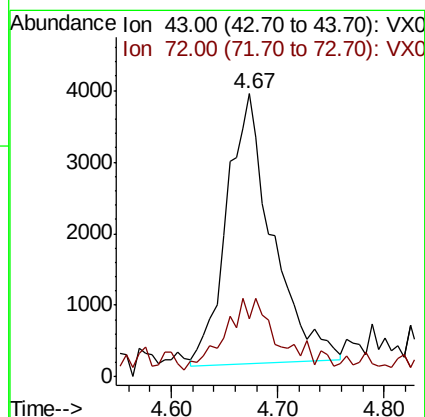
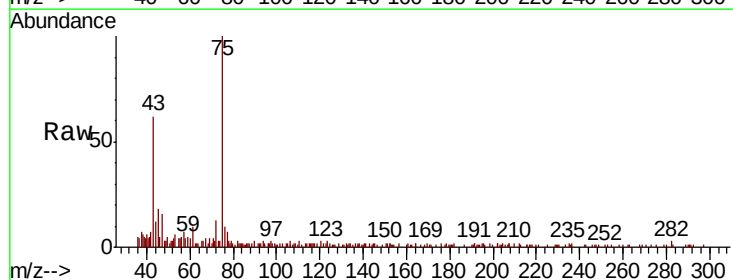
Instrument :
MSVOA_X
ClientSampleId :

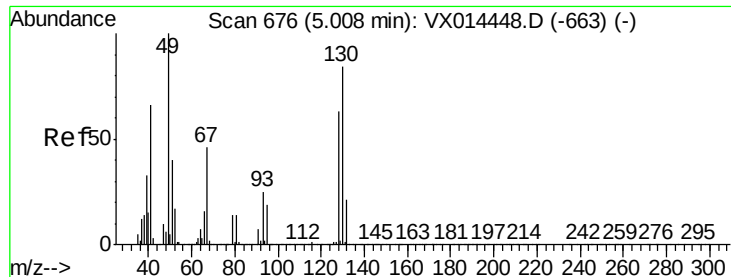
Tot Ion:	84	Resp:	15313
Ion	Ratio	Lower	Upper
84	100		
49	109.6	95.8	143.8
51	31.5	30.2	45.4
86	58.5	51.8	77.6



#25
2-Butanone
Concen: 2.581 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

Tgt Ion:	43	Resp:	11340
Ion	Ratio	Lower	Upper
43	100		
72	16.7	20.6	31.0#





#28

Bromochloromethane

Concen: 0.207 ug/l

RT: 5.01 min Scan# 676

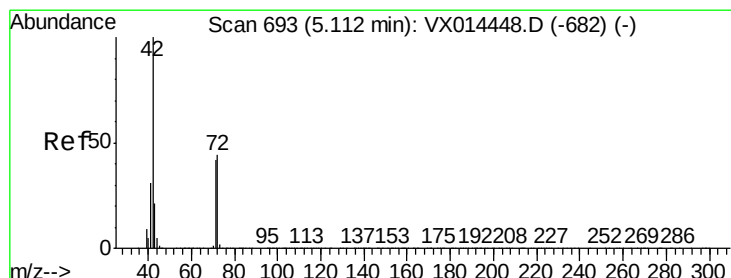
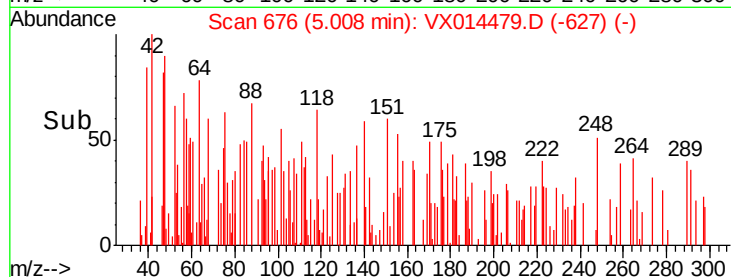
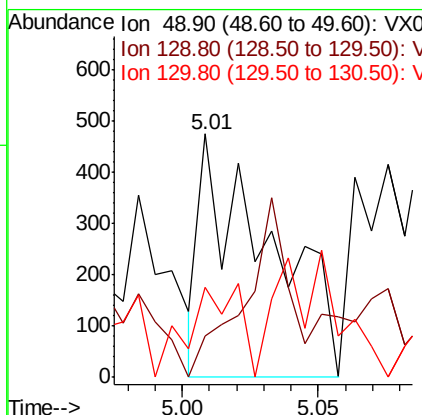
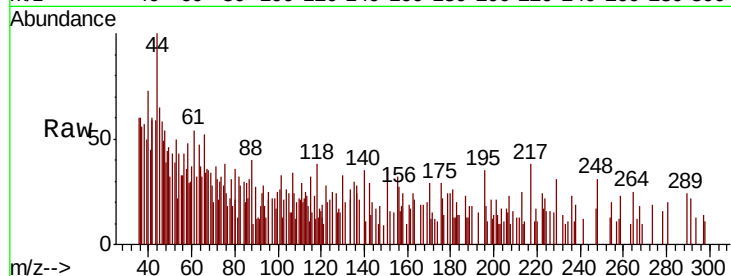
Delta R.T. 0.00 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 836
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 67.0 100.4#



#29

Tetrahydrofuran

Concen: 0.208 ug/l

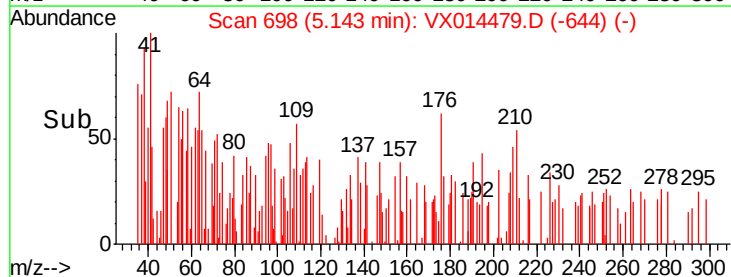
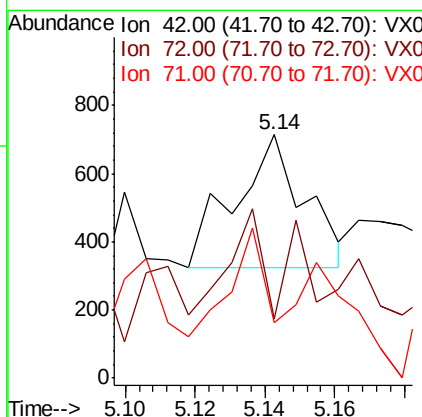
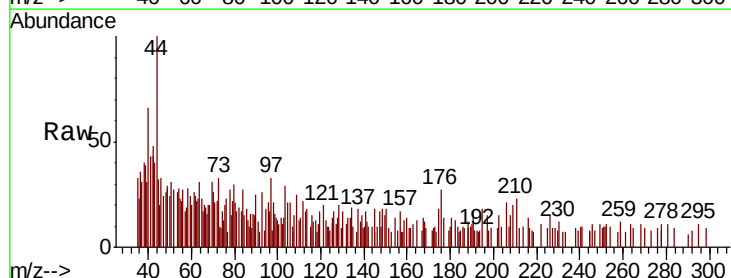
RT: 5.14 min Scan# 698

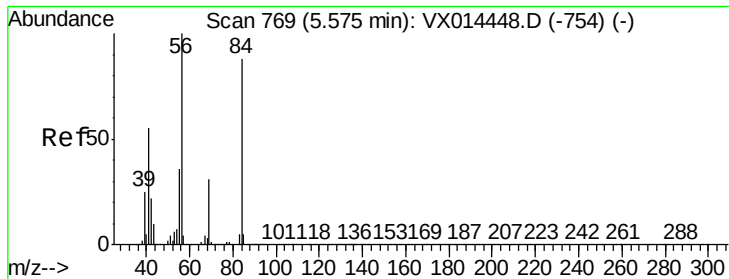
Delta R.T. 0.03 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

Tgt Ion: 42 Resp: 540
Ion Ratio Lower Upper
42 100
72 45.2 36.2 54.4
71 45.6 34.1 51.1

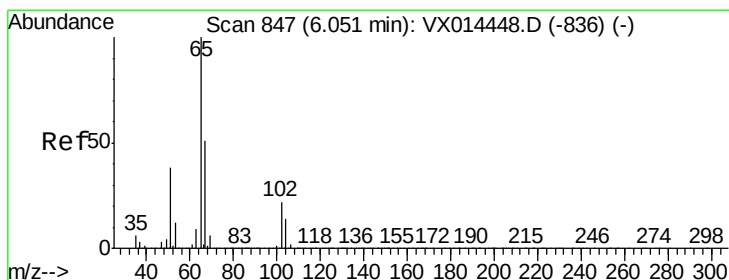
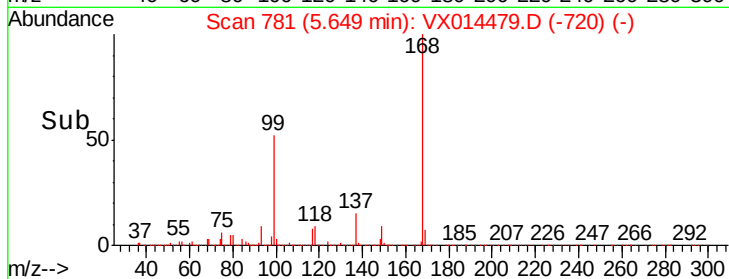
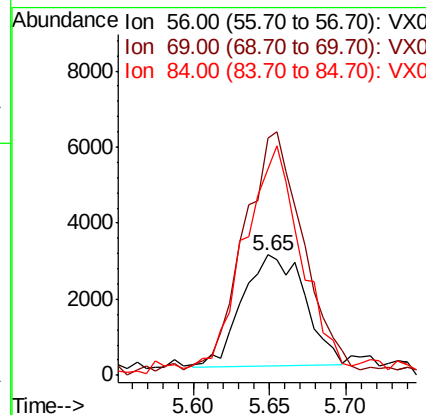
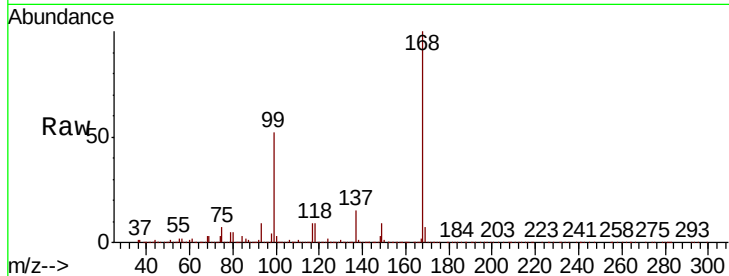




#31
Cyclohexane
Concen: 0.918 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.07 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

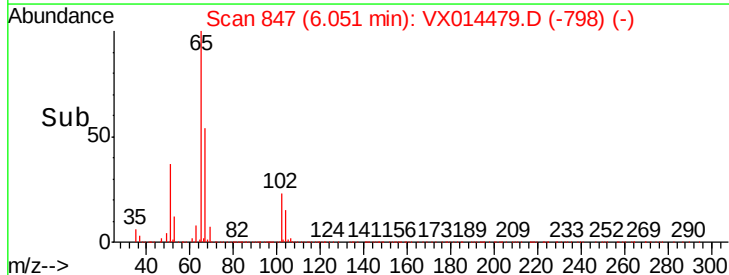
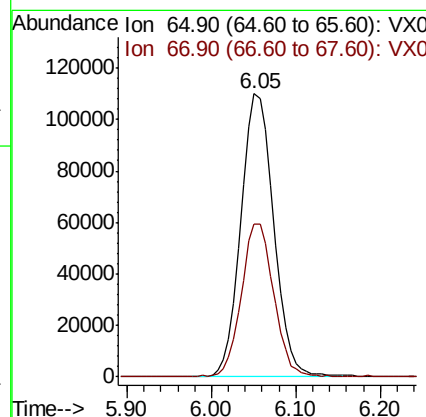
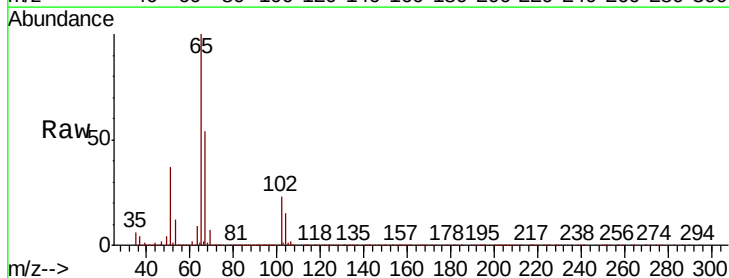
Instrument :
MSVOA_X
ClientSampleId :

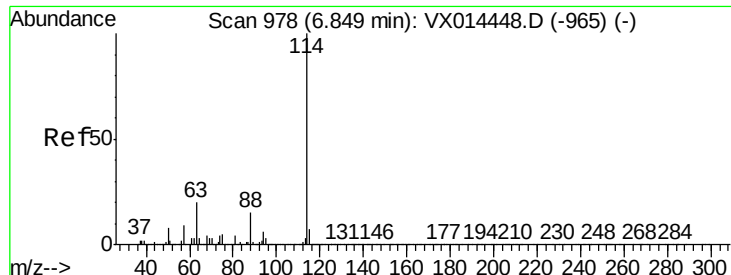
Tot Ion: 56 Resp: 8255
Ion Ratio Lower Upper
56 100
69 207.3 24.4 36.6#
84 177.4 70.6 106.0#



#33
1,2-Dichloroethane-d4
Concen: 49.368 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

Tgt Ion: 65 Resp: 290369
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.2

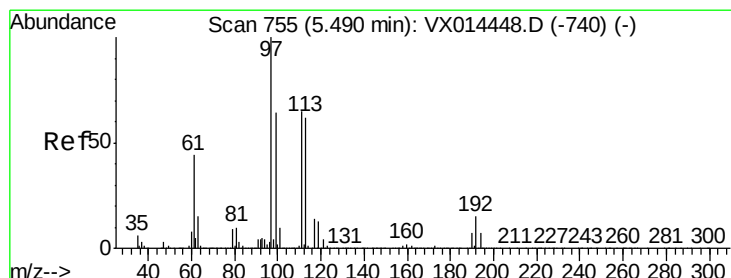
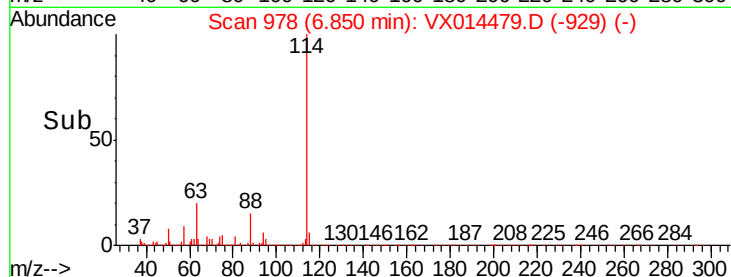
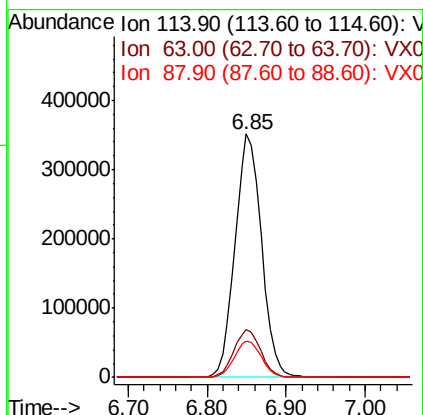
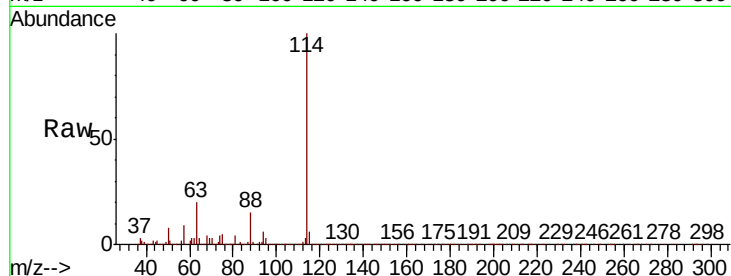




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

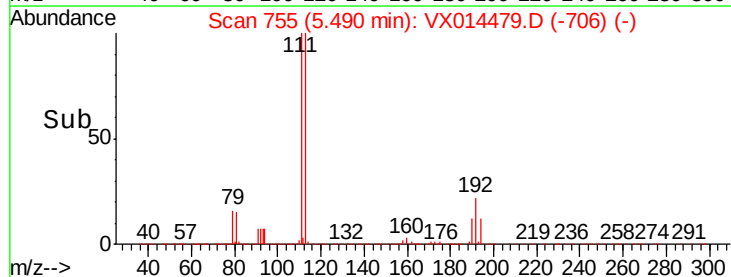
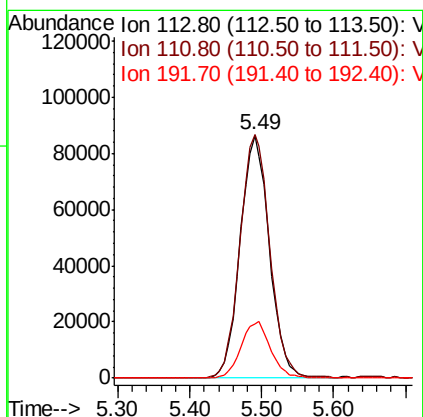
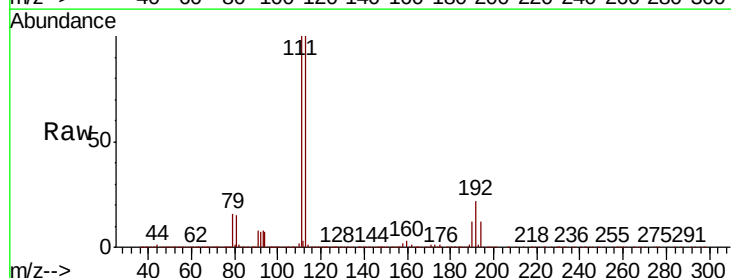
Instrument :
MSVOA_X
ClientSampleId :

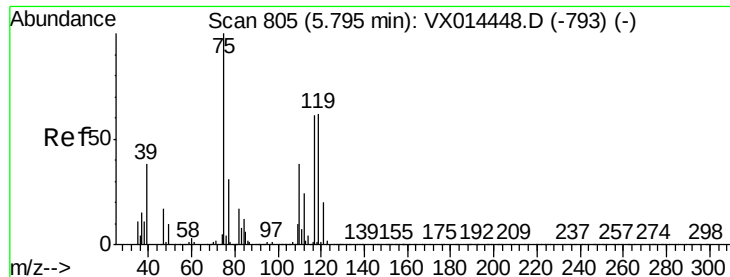
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.6
88	14.9	0.0	30.8



#35
Dibromofluoromethane
Concen: 48.896 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.5	122.3
192	23.3	19.2	28.8





#36

1,1-Dichloropropene

Concen: 4.565 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

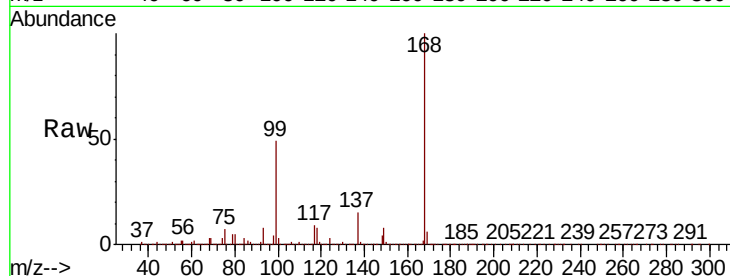
Tot Ion: 75 Resp: 35272

Ion Ratio Lower Upper

75 100

110 11.4 18.6 55.8#

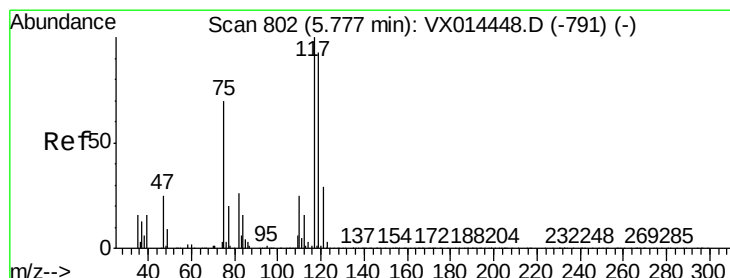
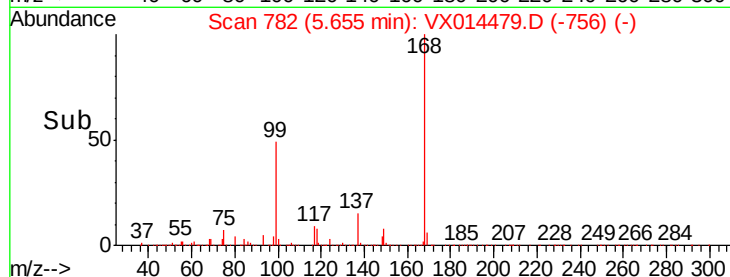
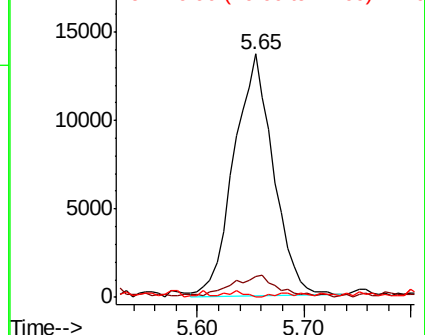
77 0.0 24.5 36.7#



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: 6.318 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

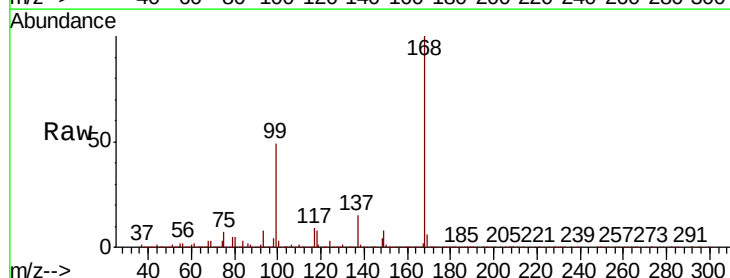
Tgt Ion: 117 Resp: 44920

Ion Ratio Lower Upper

117 100

119 6.3 73.8 110.8#

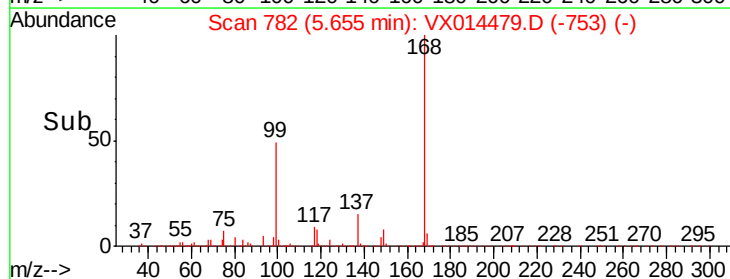
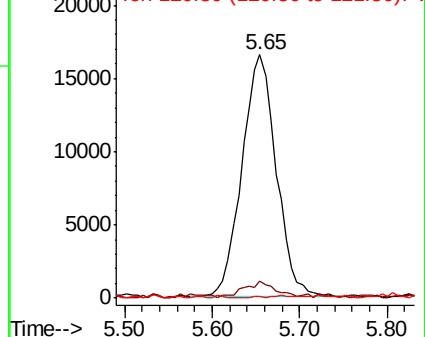
121 0.2 23.4 35.0#

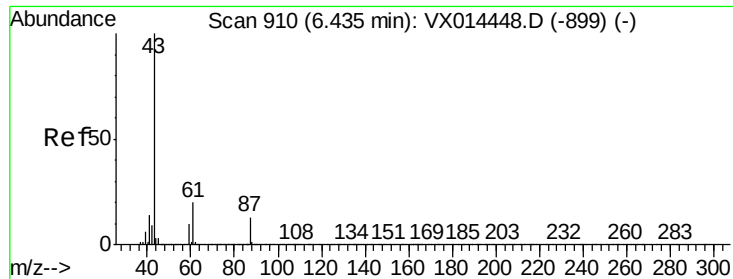


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 10.267 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

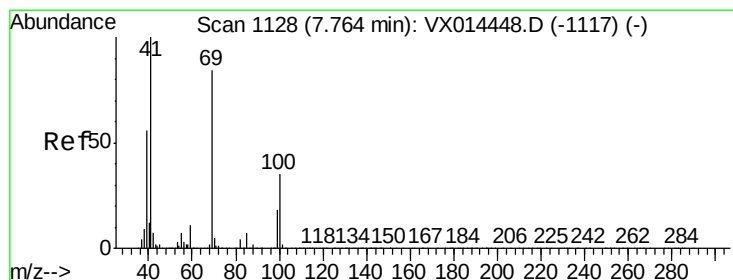
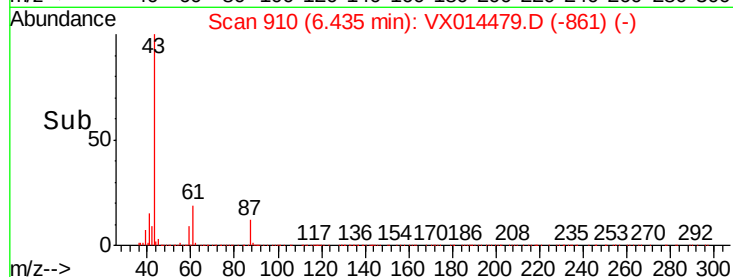
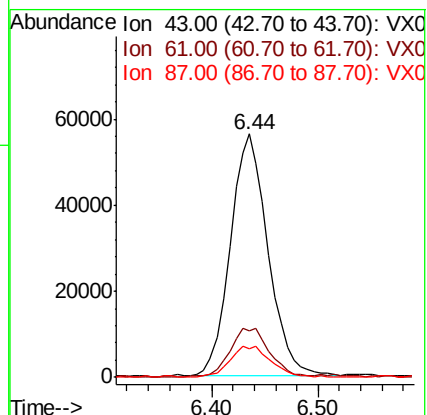
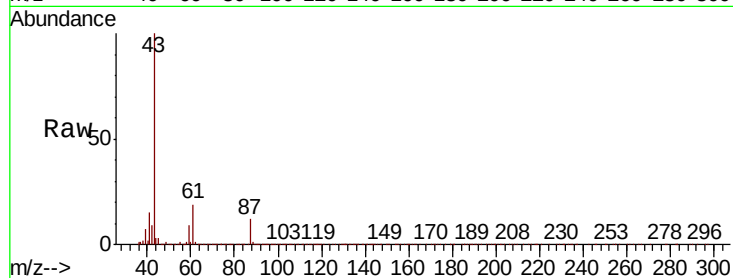
Tot Ion: 43 Resp: 139195

Ion Ratio Lower Upper

43 100

61 21.1 16.6 24.8

87 14.2 10.8 16.2



#48

Methyl methacrylate

Concen: 1.217 ug/l

RT: 7.67 min Scan# 1113

Delta R.T. -0.09 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

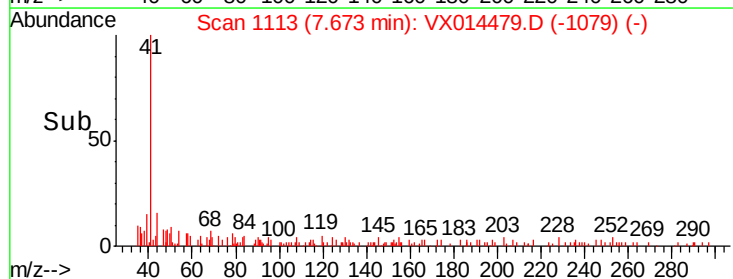
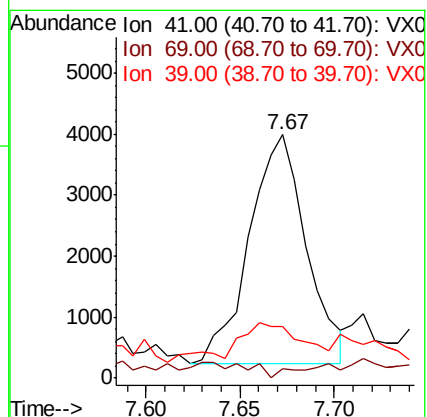
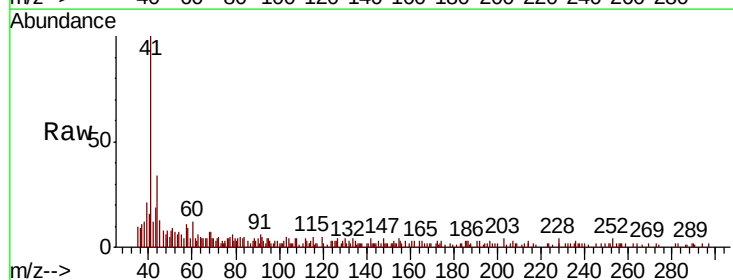
Tgt Ion: 41 Resp: 7905

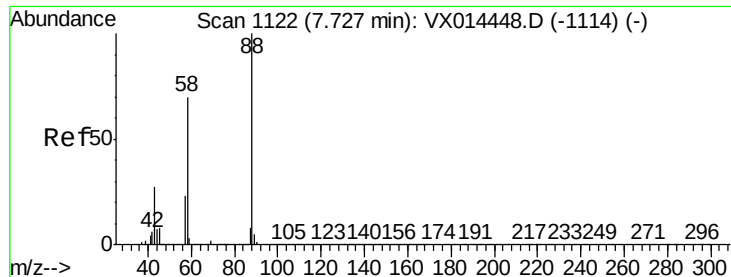
Ion Ratio Lower Upper

41 100

69 0.0 65.5 98.3#

39 0.0 43.9 65.9#





#49

1,4-Dioxane

Concen: 1.868 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

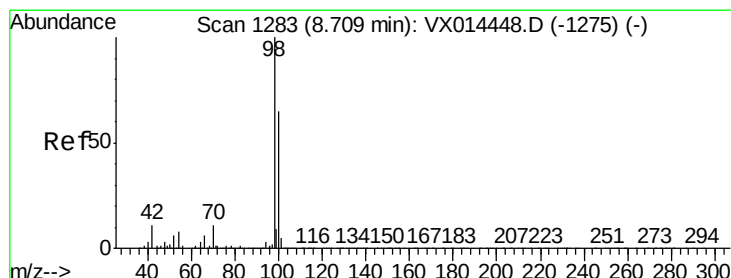
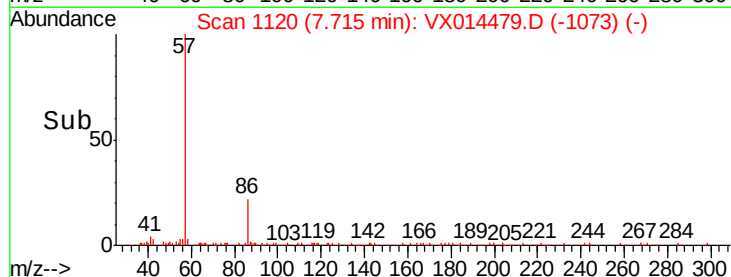
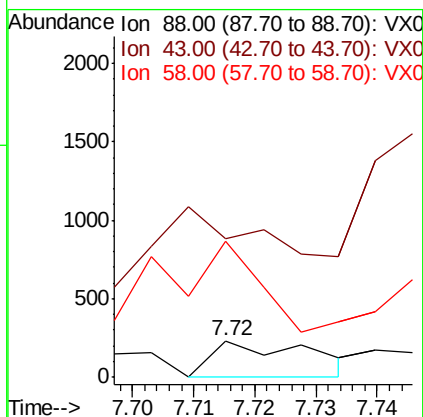
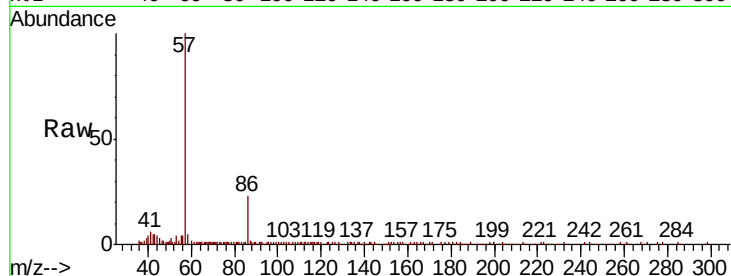
Tot Ion: 88 Resp: 257

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 345.5 57.1 85.7#



#50

Toluene-d8

Concen: 50.538 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014479.D

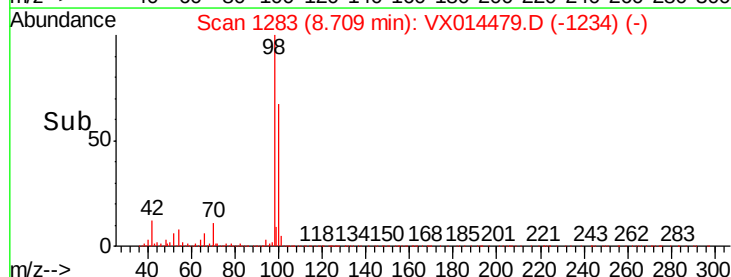
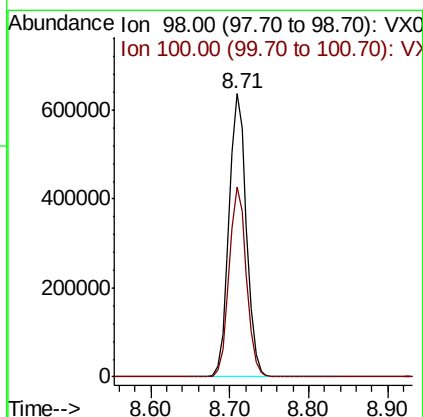
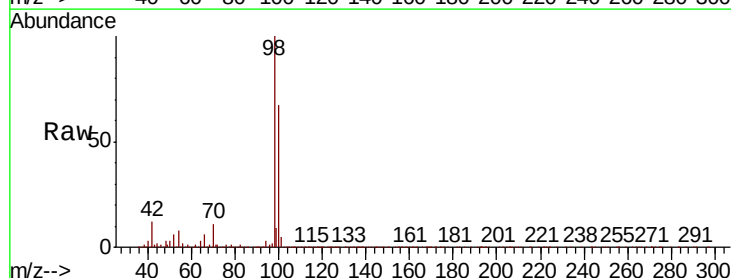
Acq: 08 Jan 2020 18:17

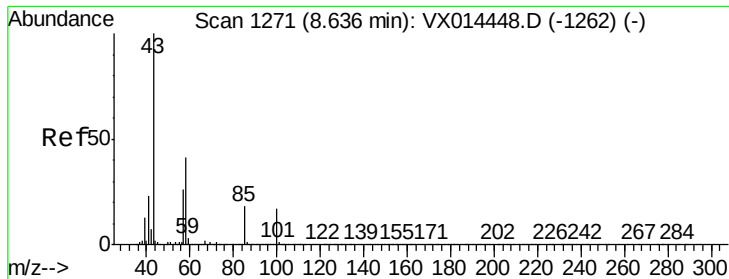
Tgt Ion: 98 Resp: 975383

Ion Ratio Lower Upper

98 100

100 66.2 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 15.700 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

Instrument :

MSVOA_X

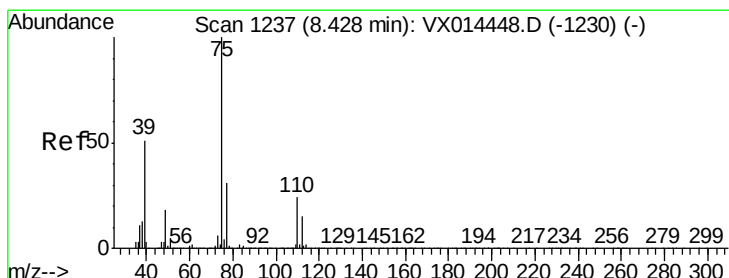
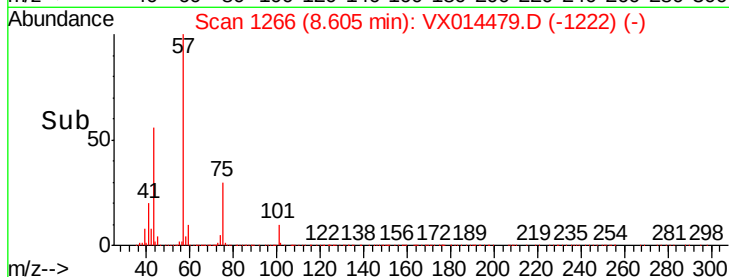
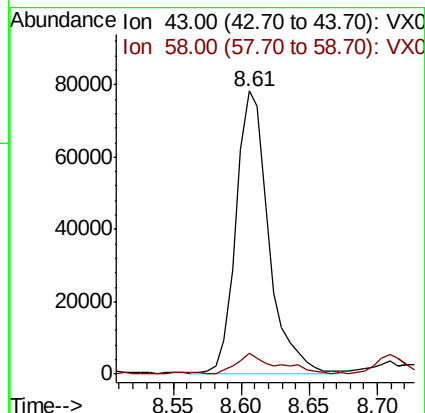
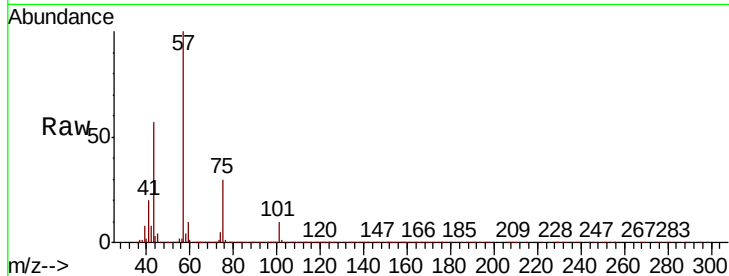
ClientSampleId :

Tot Ion: 43 Resp: 129701

Ion Ratio Lower Upper

43 100

58 8.2 32.4 48.6#



#54

cis-1,3-Dichloropropene

Concen: 6.451 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

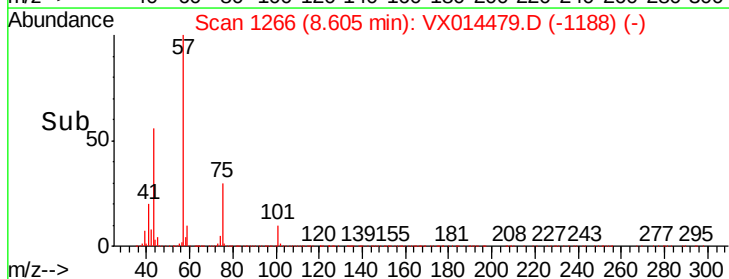
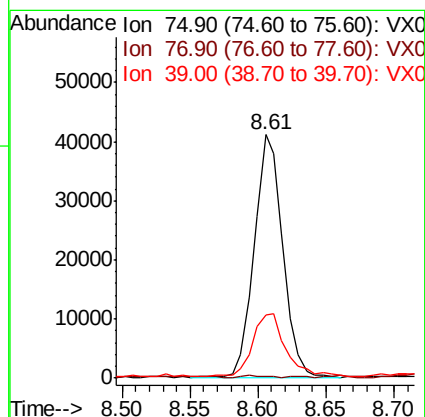
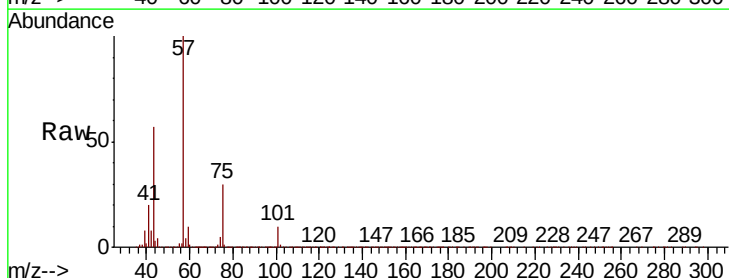
Tgt Ion: 75 Resp: 60235

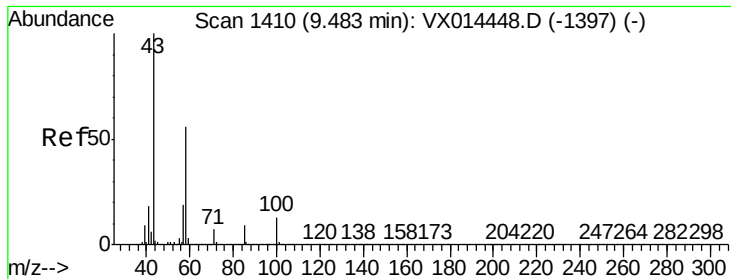
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 25.1 40.7 61.1#

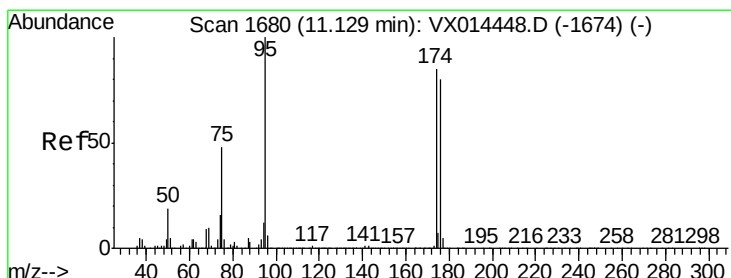
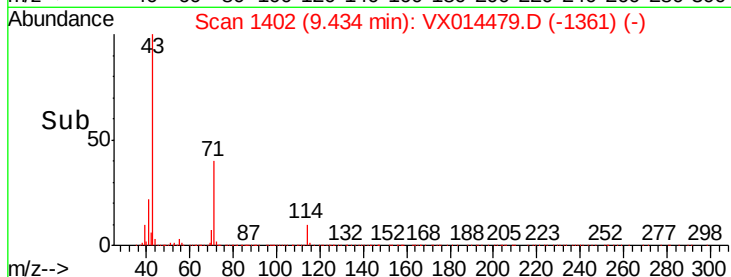
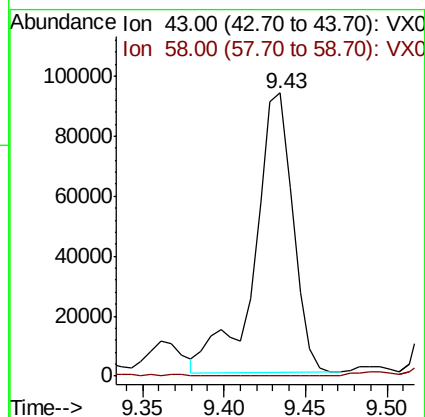
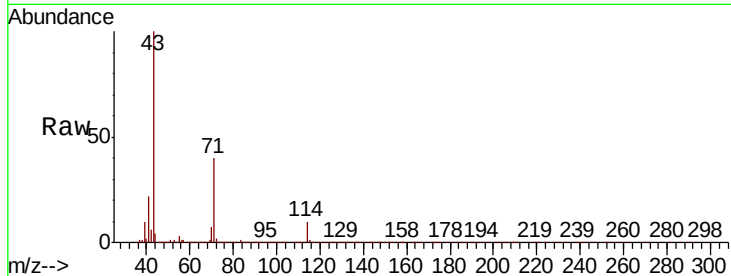




#59
2-Hexanone
Concen: 23.401 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

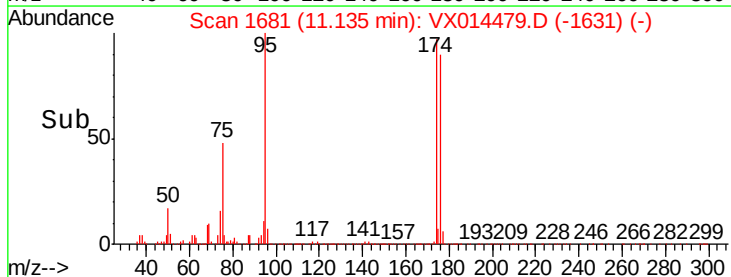
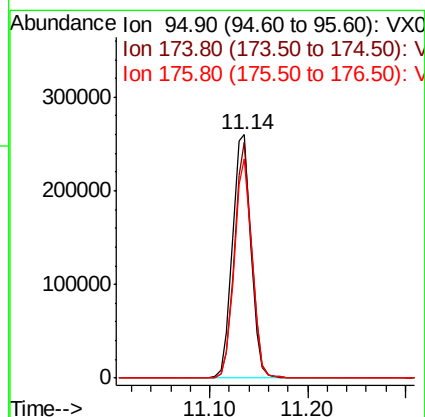
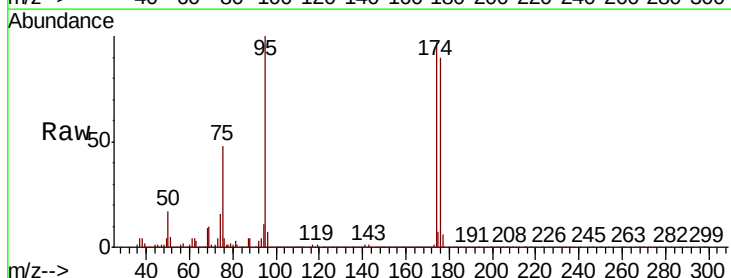
Instrument :
MSVOA_X
ClientSampled :

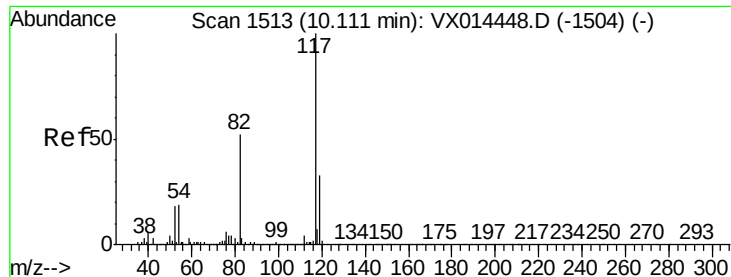
Tot Ion: 43 Resp: 152967
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 48.041 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

Tgt Ion: 95 Resp: 340387
Ion Ratio Lower Upper
95 100
174 90.8 0.0 180.8
176 86.6 0.0 172.8

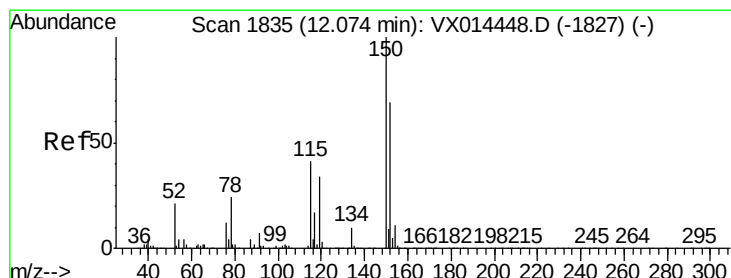
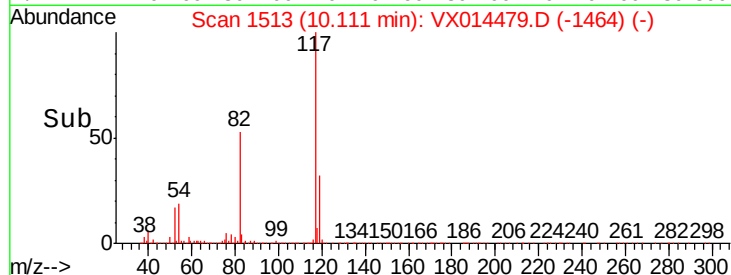
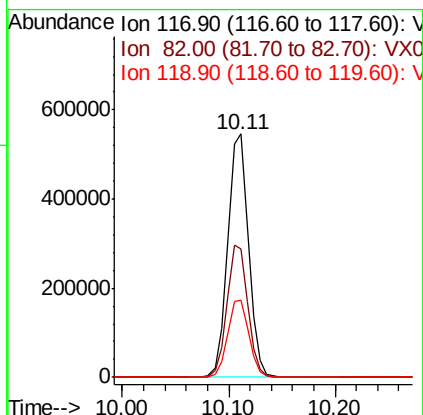
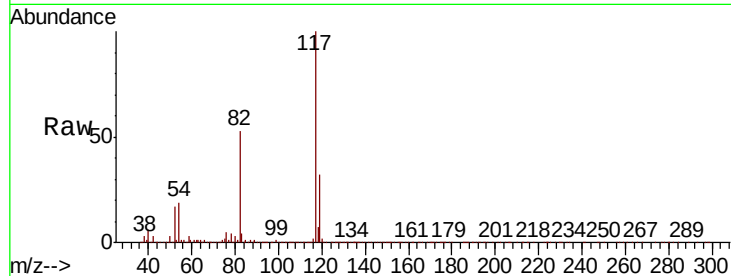




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

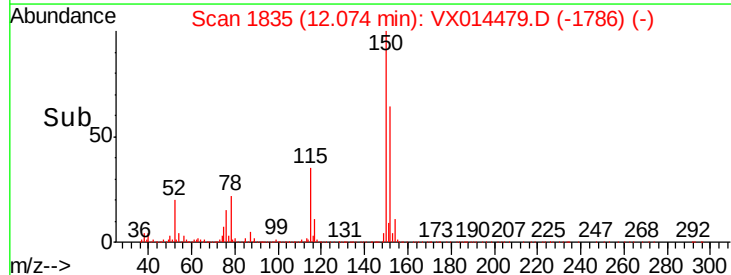
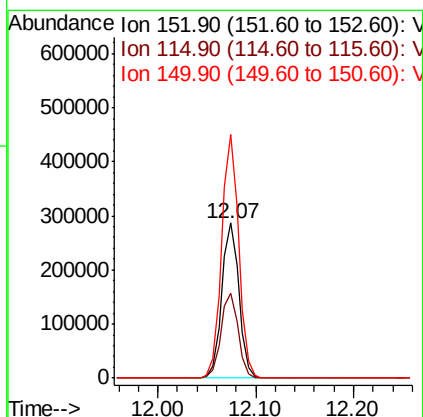
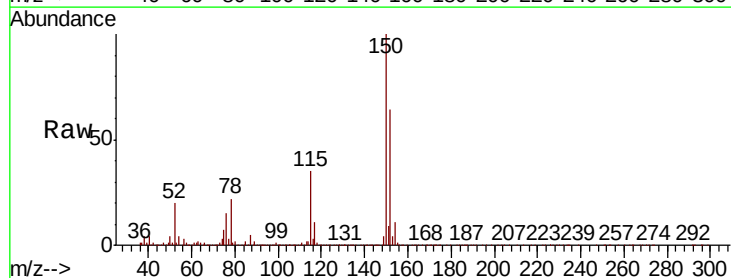
Instrument :
MSVOA_X
ClientSampleId :

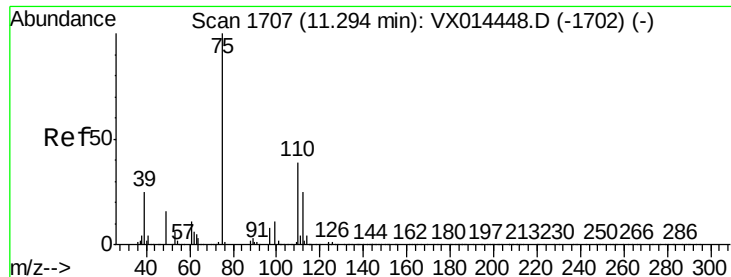
Tot Ion:117 Resp: 749694
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.6
119 31.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014479.D
Acq: 08 Jan 2020 18:17

Tgt Ion:152 Resp: 347863
Ion Ratio Lower Upper
152 100
115 55.1 39.5 118.3
150 156.0 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 23.288 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

Instrument :

MSVOA_X

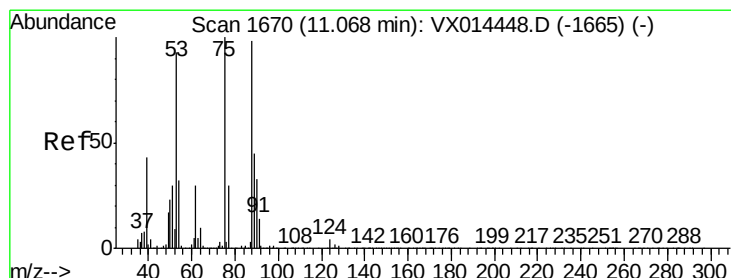
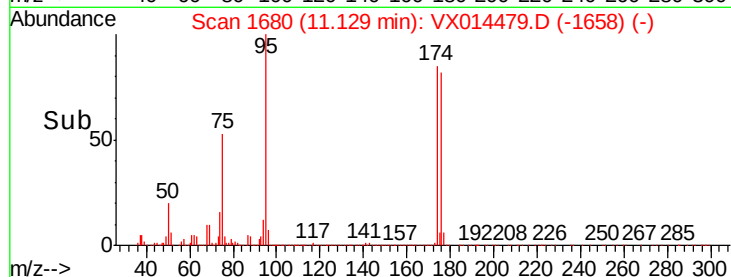
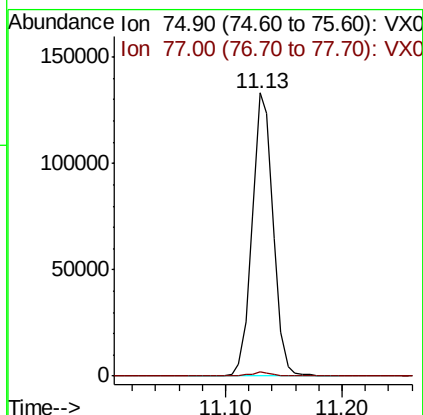
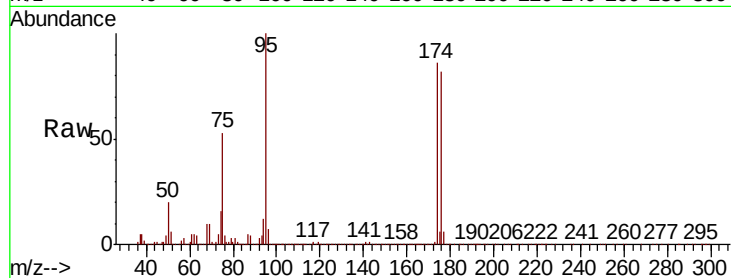
ClientSampleId :

Tot Ion: 75 Resp: 167611

Ion Ratio Lower Upper

75 100

77 1.7 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.569 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

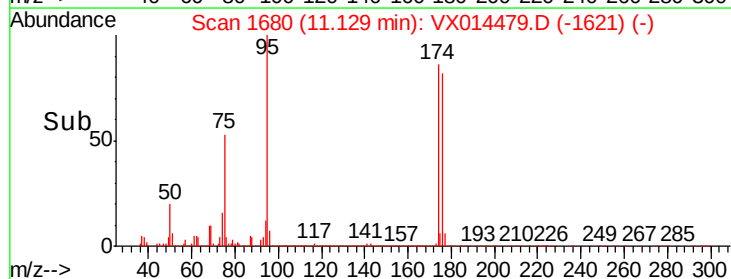
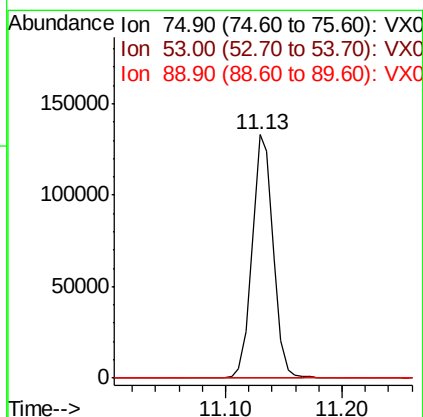
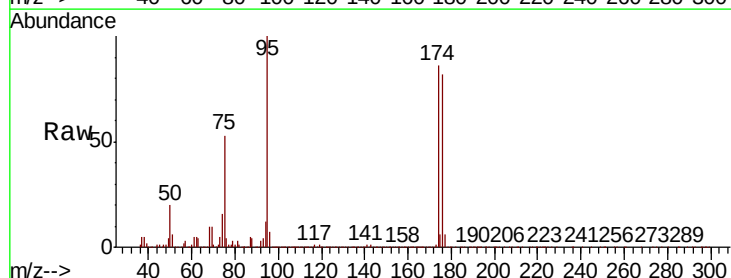
Tgt Ion: 75 Resp: 167611

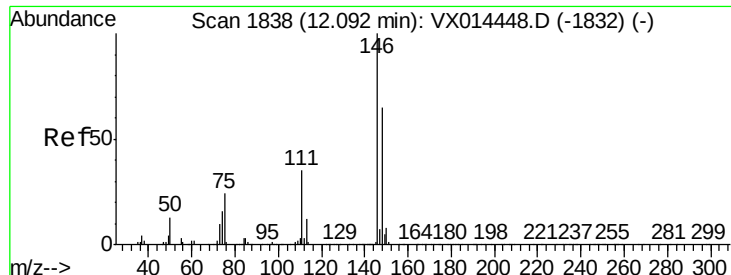
Ion Ratio Lower Upper

75 100

53 0.0 74.8 112.2#

89 0.0 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 11.93 min Scan# 1812

Delta R.T. -0.16 min

Lab File: VX014479.D

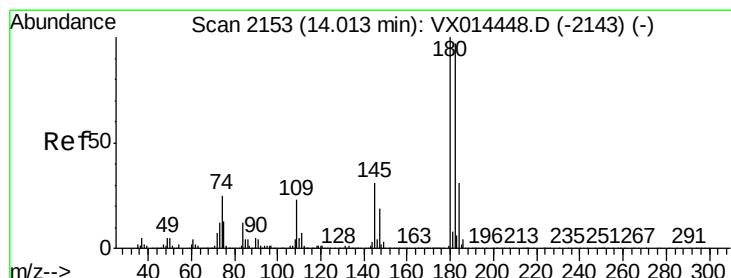
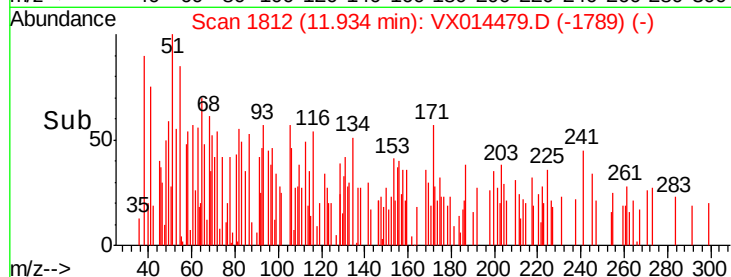
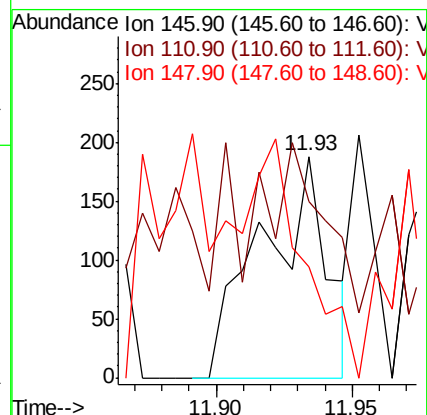
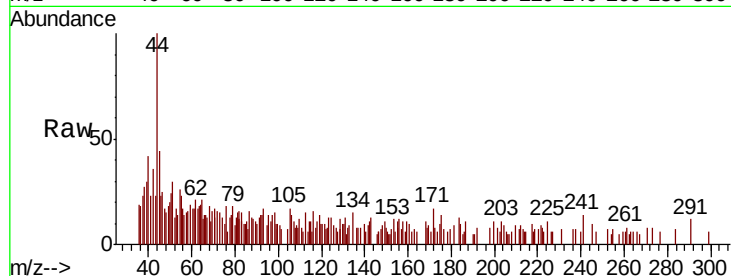
Acq: 08 Jan 2020 18:17

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	146	Resp:	313
Ion	Ratio	Lower	Upper
146	100		
111	44.7	18.1	54.1
148	80.8	32.1	96.3



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 13.81 min Scan# 2119

Delta R.T. -0.21 min

Lab File: VX014479.D

Acq: 08 Jan 2020 18:17

Tgt Ion:	180	Resp:	102
Ion	Ratio	Lower	Upper
180	100		
182	66.7	47.9	143.6
145	36.3	14.8	44.3

