

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX0137877.D
 Acq On : 10 Dec 2019 02:17
 Operator : JC/SP
 Sample : K6118-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 10 03:34:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	605138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	911224	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	831442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	377792	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	333692	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	5.49	113	272950	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.71	98	1091631	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.14	95	377595	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	

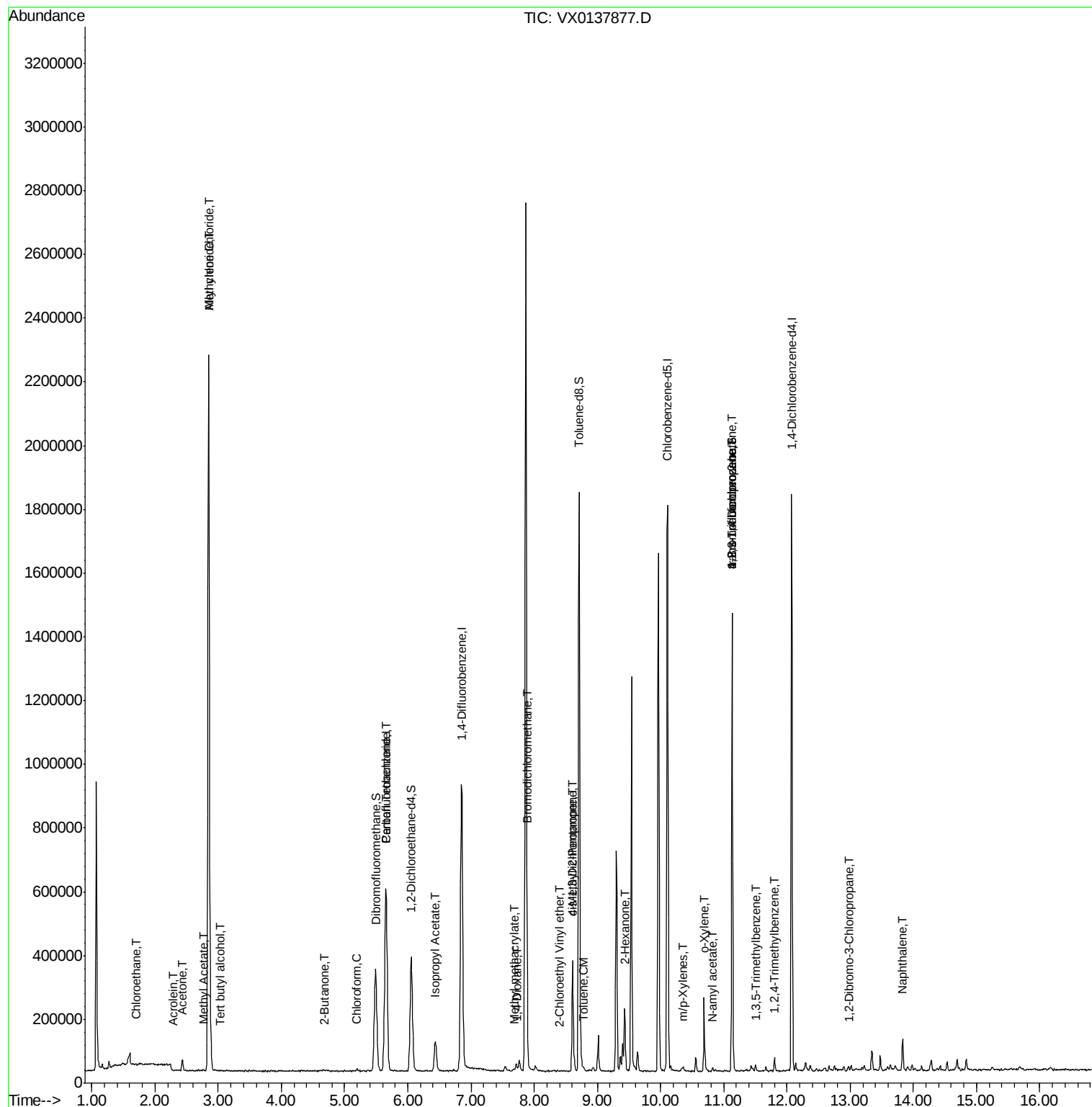
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	1107	0.229	ug/l #	43
11) Tert butyl alcohol	3.03	59	1083	0.625	ug/l #	74
13) Acrolein	2.28	56	822	6.696	ug/l #	15
14) Allyl chloride	2.85	41	38040	3.640	ug/l #	26
16) Acetone	2.44	43	39029	11.254	ug/l	98
18) Methyl Acetate	2.76	43	6706	0.694	ug/l	94
20) Methylene Chloride	2.85	84	1028898	154.429	ug/l	97
25) 2-Butanone	4.68	43	8737	1.695	ug/l	90
30) Chloroform	5.20	83	7028	0.630	ug/l	88
38) Carbon Tetrachloride	5.65	117	54878	7.195	ug/l #	16
43) Isopropyl Acetate	6.43	43	133732	8.754	ug/l	99
47) Bromodichloromethane	7.89	83	2436	0.301	ug/l #	76
48) Methyl methacrylate	7.68	41	7315	0.985	ug/l #	17
49) 1,4-Dioxane	7.73	88	222	1.336	ug/l #	24
51) 4-Methyl-2-Pentanone	8.61	43	126910	13.207	ug/l #	46
52) Toluene	8.78	92	3230	0.206	ug/l	85
54) cis-1,3-Dichloropropene	8.61	75	57085	5.672	ug/l #	59
58) 2-Chloroethyl Vinyl ether	8.39	63	969	0.244	ug/l	96
59) 2-Hexanone	9.43	43	158254	21.115	ug/l #	23
68) m/p-Xylenes	10.35	106	3446	0.303	ug/l	82
69) o-Xylene	10.70	106	3629	0.328	ug/l	83
74) N-amyl acetate	10.82	43	6546	0.539	ug/l #	45
76) 1,2,3-Trichloropropane	11.14	75	182358	21.461	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.50	105	8940	0.412	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.14	75	182358	58.713	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	18482	0.838	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	12.98	75	885	0.442	ug/l #	3
95) Naphthalene	13.83	128	66530	2.600	ug/l	96

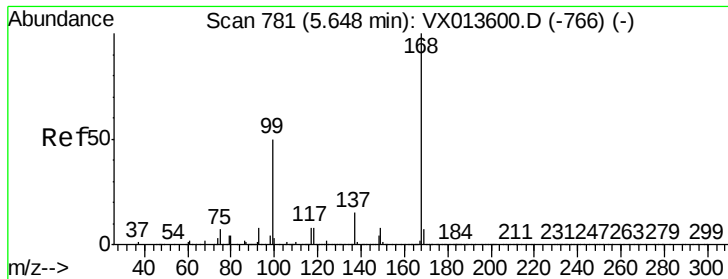
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 10 03:34:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration



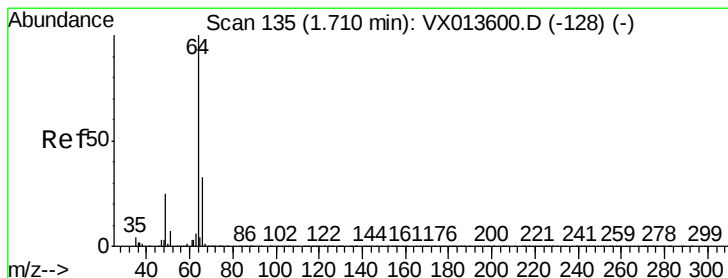
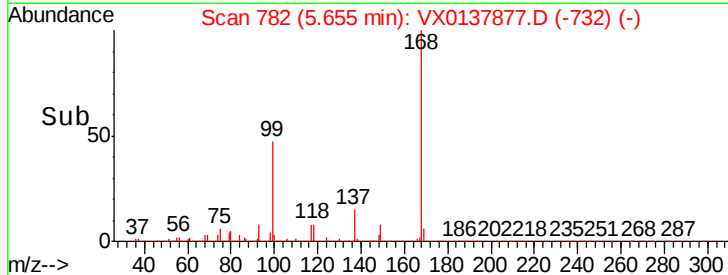
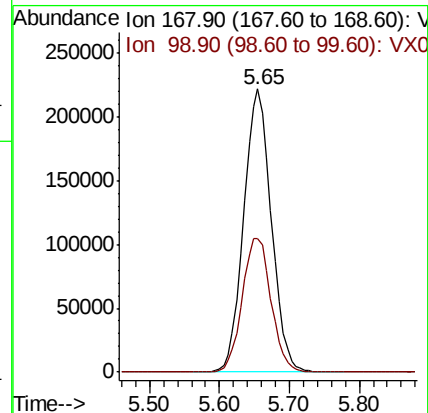
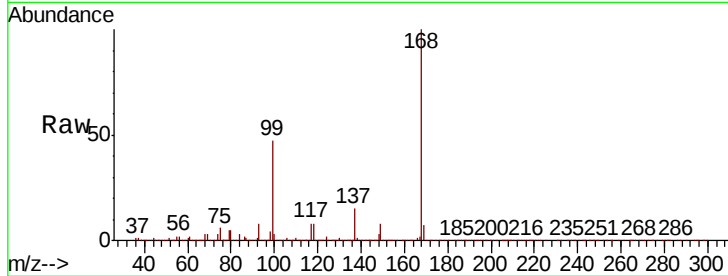


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX0137877.D
 Acq: 10 Dec 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :

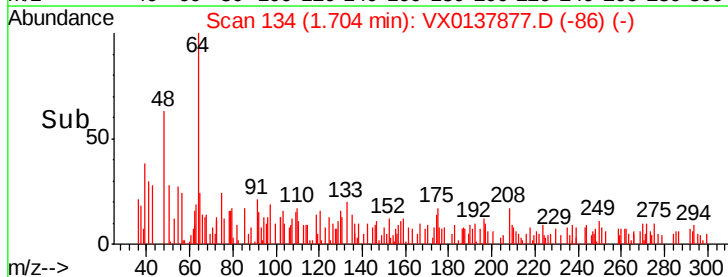
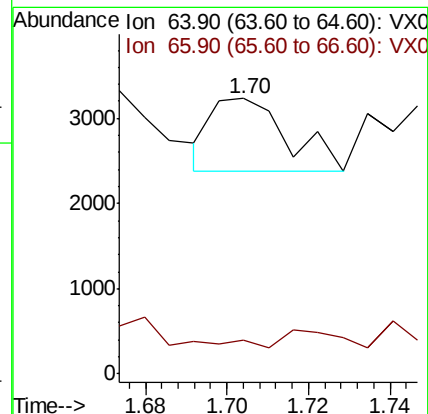
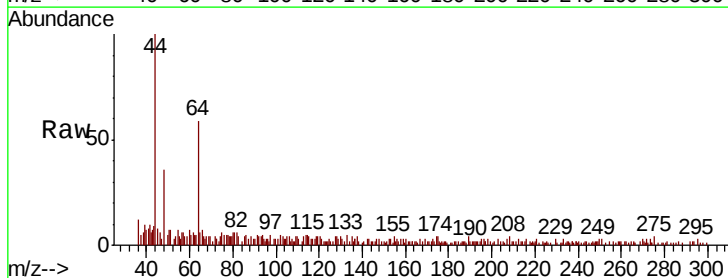
Tot Ion:168 Resp: 605138
 Ion Ratio Lower Upper
 168 100
 99 47.0 39.8 59.8

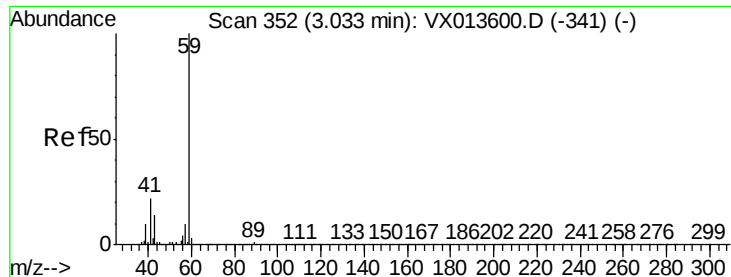


#6

Chloroethane
 Concen: 0.229 ug/l
 RT: 1.70 min Scan# 134
 Delta R.T. -0.01 min
 Lab File: VX0137877.D
 Acq: 10 Dec 2019 02:17

Tgt Ion: 64 Resp: 1107
 Ion Ratio Lower Upper
 64 100
 66 0.9 26.7 40.1#

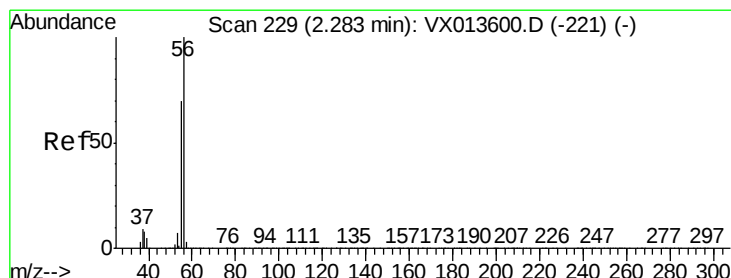
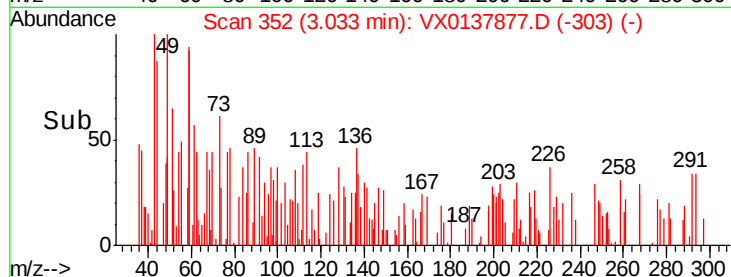
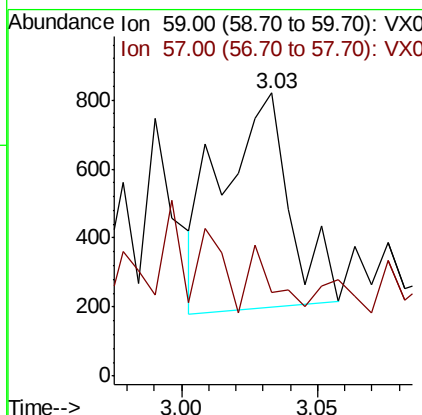
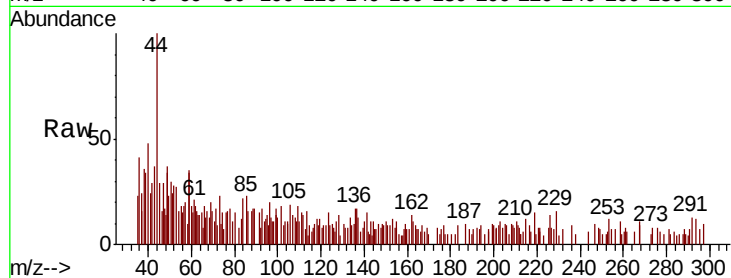




#11
Tert butyl alcohol
Concen: 0.625 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

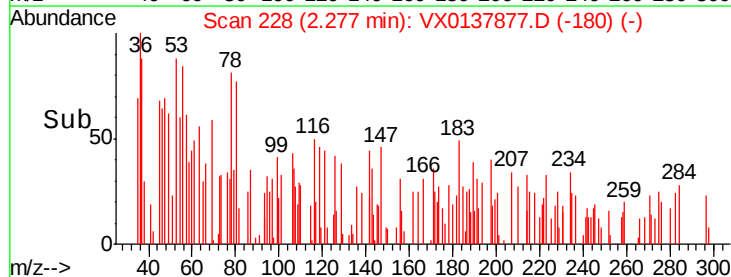
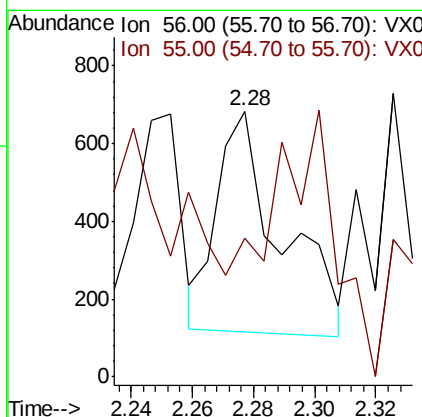
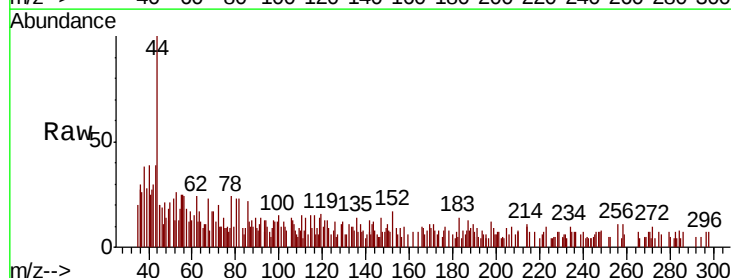
Instrument :
MSVOA_X
ClientSampled :

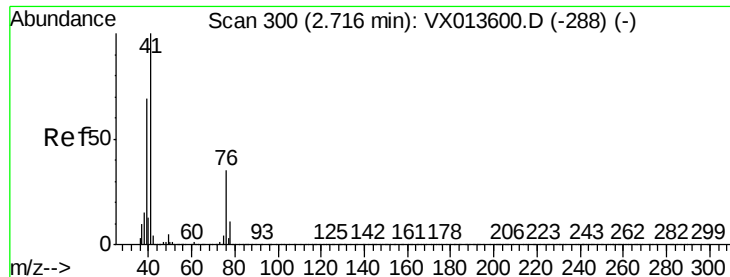
Tot Ion: 59 Resp: 1083
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: 6.696 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

Tgt Ion: 56 Resp: 822
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#14

Allvl chloride

Concen: 3.640 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.13 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

Instrument :

MSVOA_X

ClientSampled :

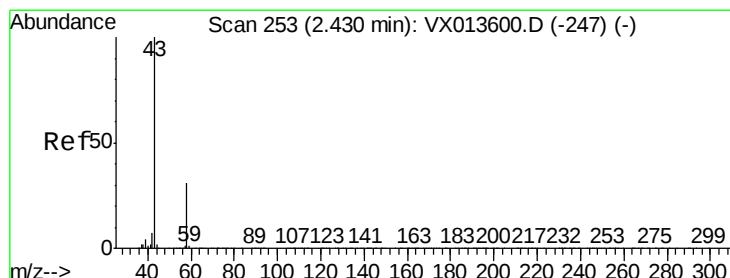
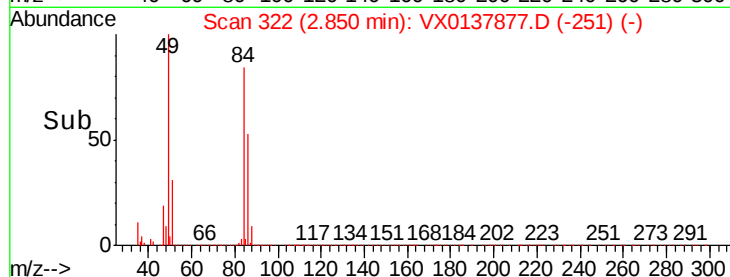
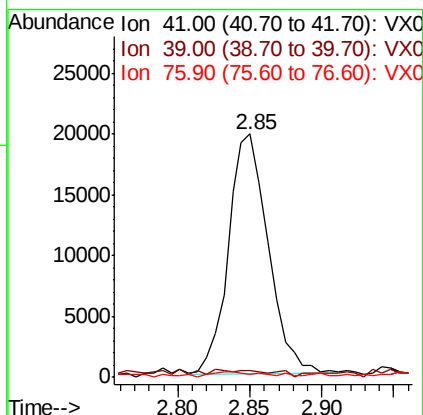
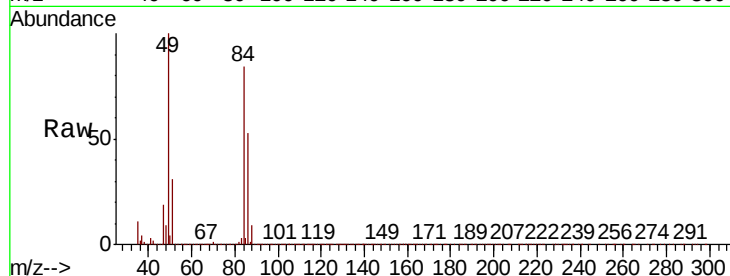
Tot Ion: 41 Resp: 38040

Ion Ratio Lower Upper

41 100

39 0.0 51.7 77.5#

76 0.0 25.9 38.9#



#16

Acetone

Concen: 11.254 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX0137877.D

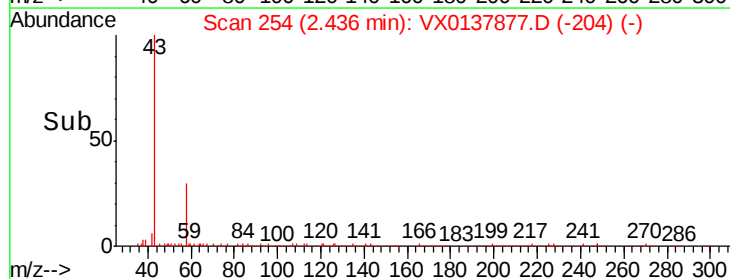
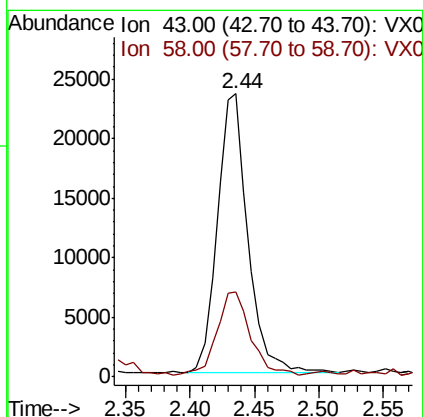
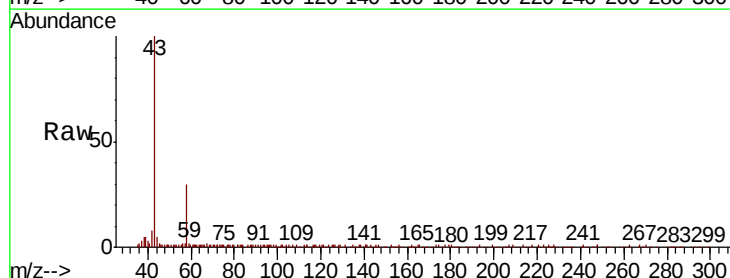
Acq: 10 Dec 2019 02:17

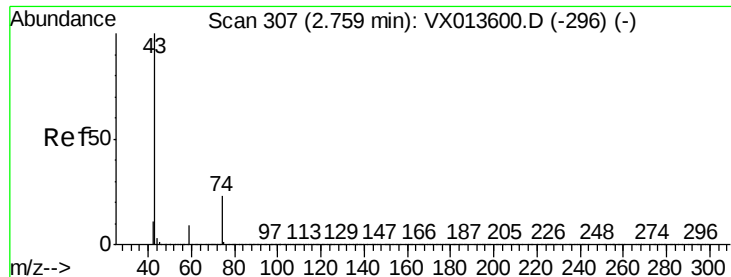
Tgt Ion: 43 Resp: 39029

Ion Ratio Lower Upper

43 100

58 29.5 24.6 36.8

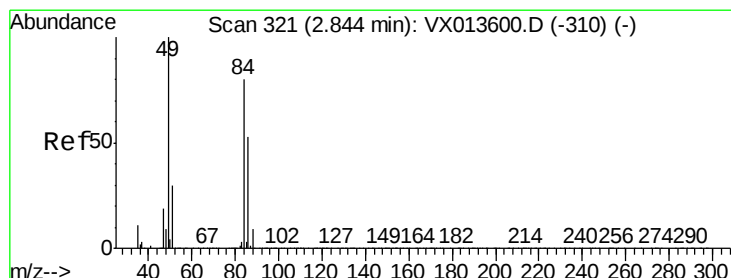
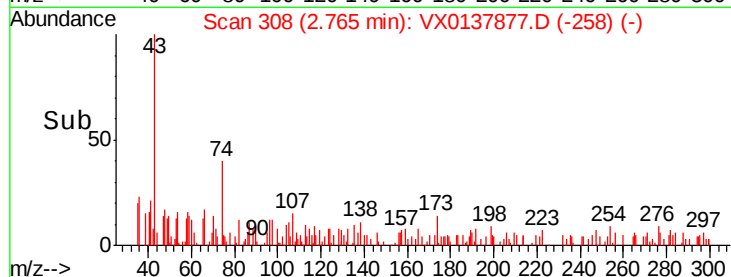
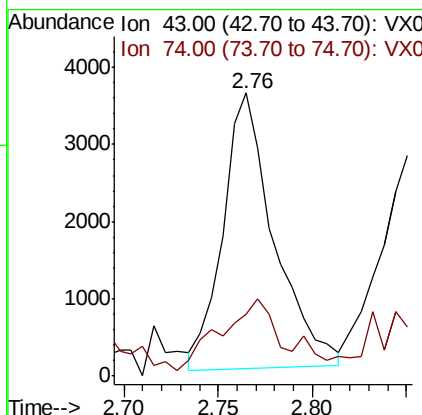
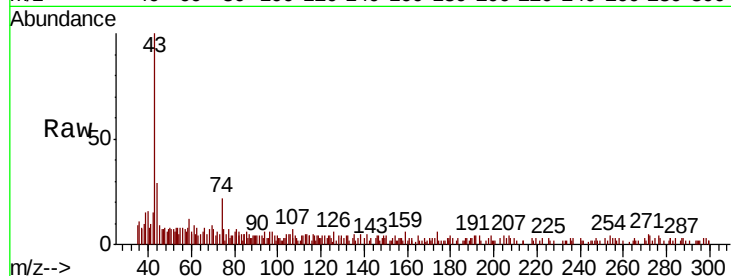




#18
Methyl Acetate
Concen: 0.694 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

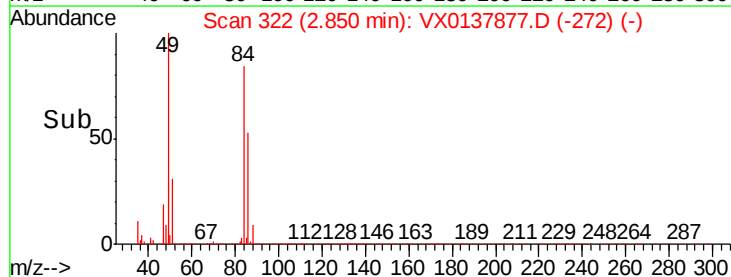
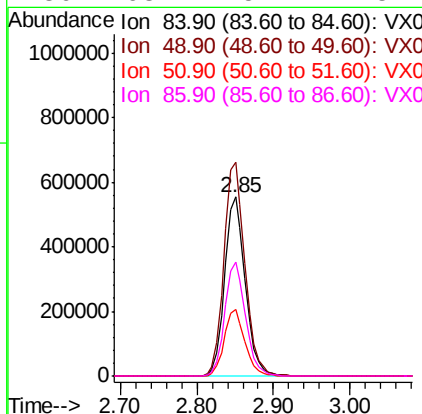
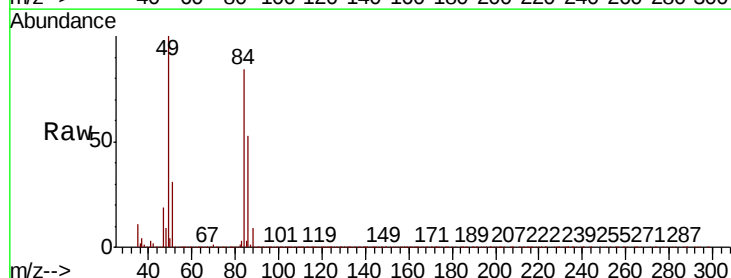
Instrument :
MSVOA_X
ClientSampled :

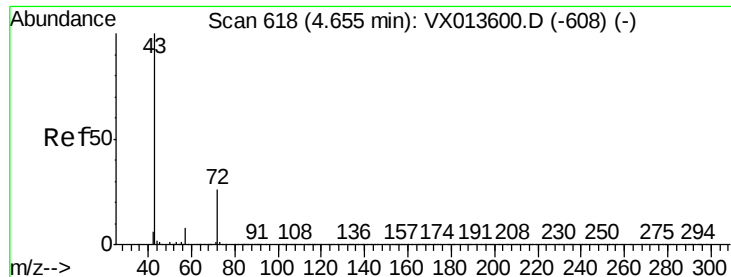
Tot Ion: 43 Resp: 6706
Ion Ratio Lower Upper
43 100
74 27.3 19.5 29.3



#20
Methylene Chloride
Concen: 154.429 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

Tgt Ion: 84 Resp: 1028898
Ion Ratio Lower Upper
84 100
49 119.3 99.7 149.5
51 37.0 29.9 44.9
86 63.4 52.2 78.4

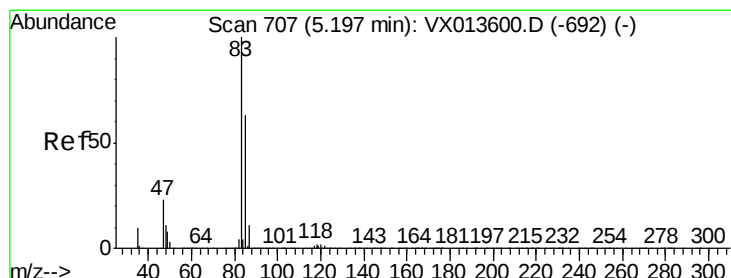
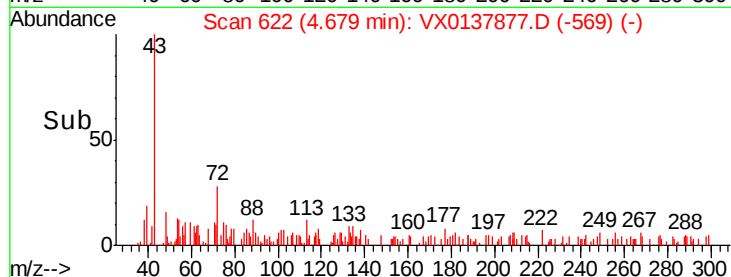
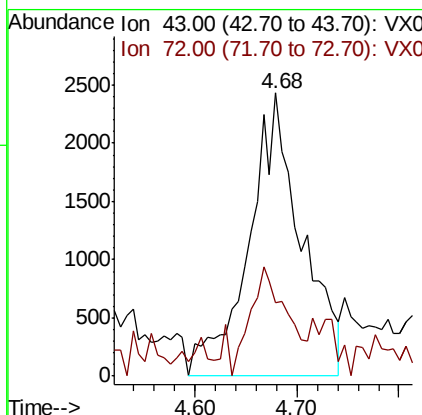
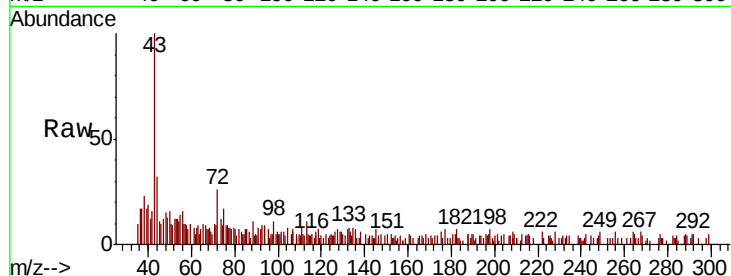




#25
2-Butanone
Concen: 1.695 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

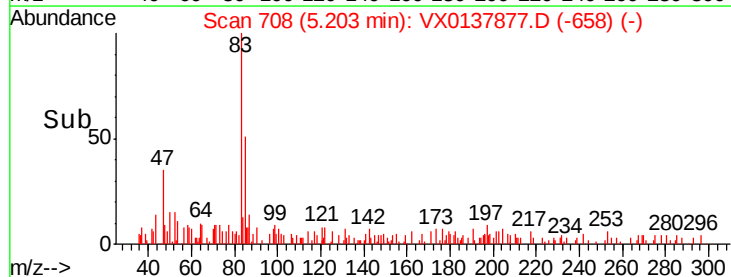
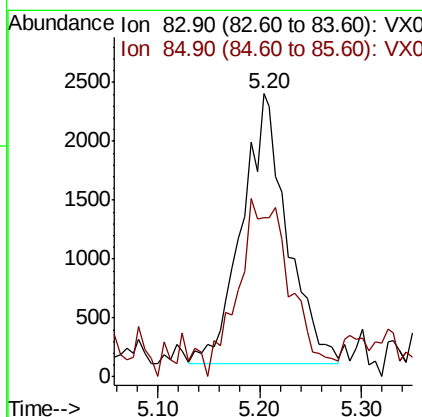
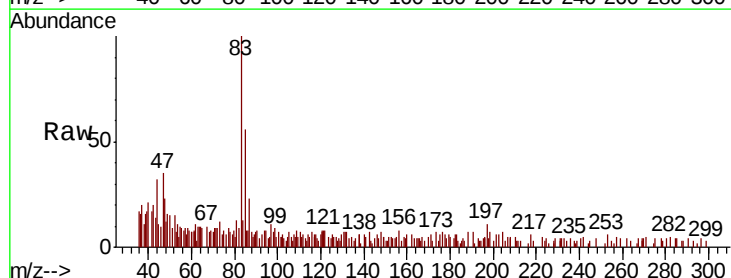
Instrument :
MSVOA_X
ClientSampled :

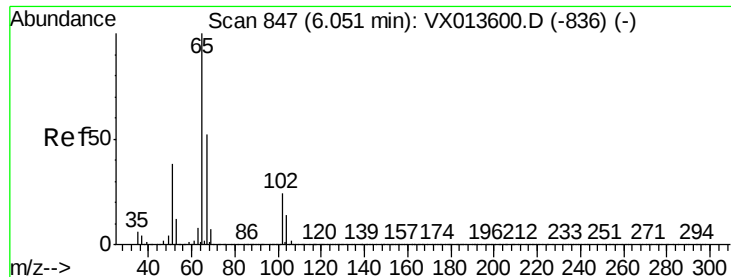
Tot Ion: 43 Resp: 8737
Ion Ratio Lower Upper
43 100
72 20.7 20.6 31.0



#30
Chloroform
Concen: 0.630 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

Tgt Ion: 83 Resp: 7028
Ion Ratio Lower Upper
83 100
85 53.7 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 47.506 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

Instrument :

MSVOA_X

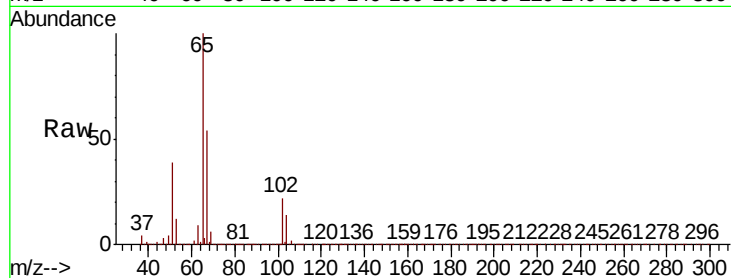
ClientSampled :

Tot Ion: 65 Resp: 333692

Ion Ratio Lower Upper

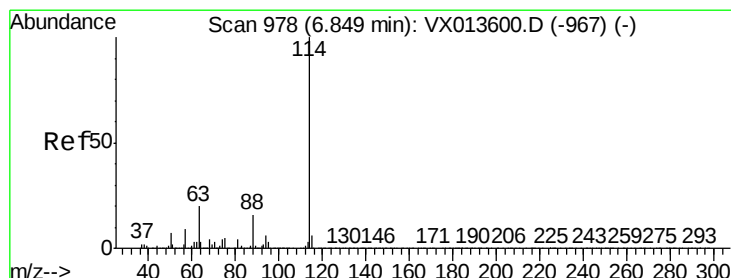
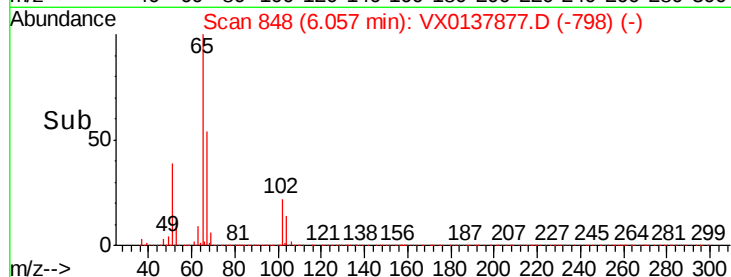
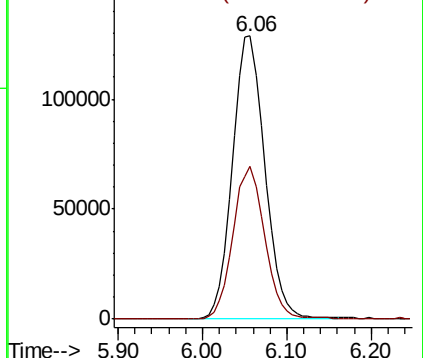
65 100

67 52.7 0.0 104.4



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: VX0137877.D

Acq: 10 Dec 2019 02:17

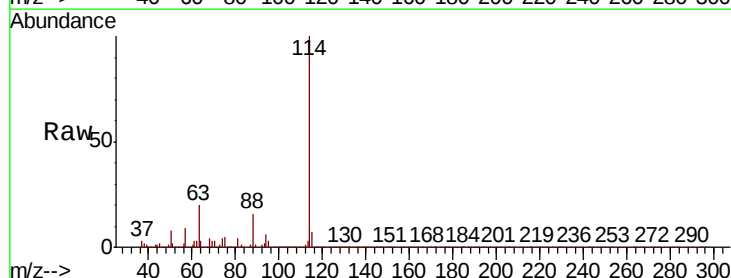
Tgt Ion: 114 Resp: 911224

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

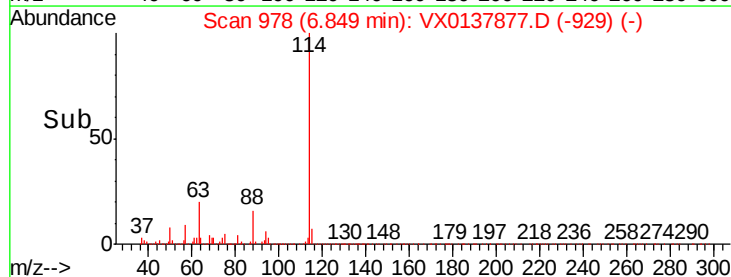
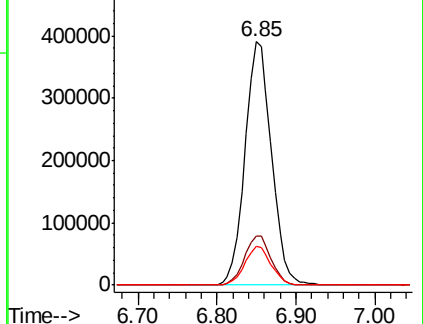
88 16.1 0.0 31.4

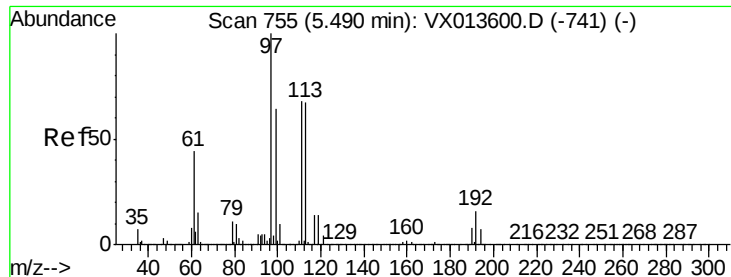


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

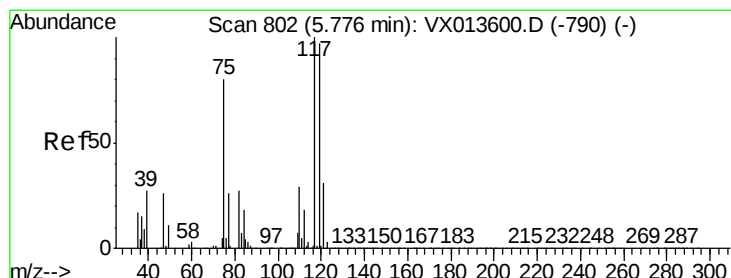
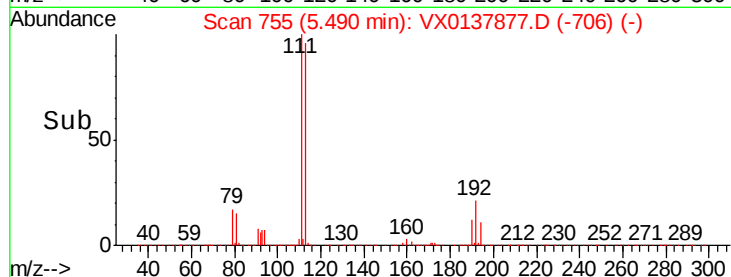
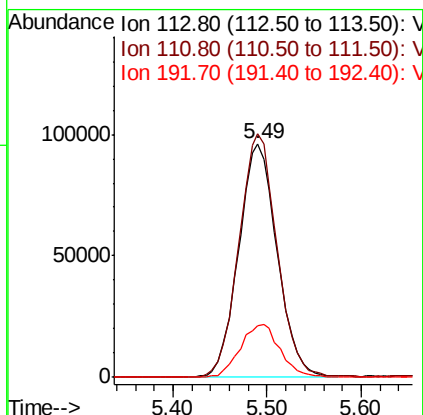
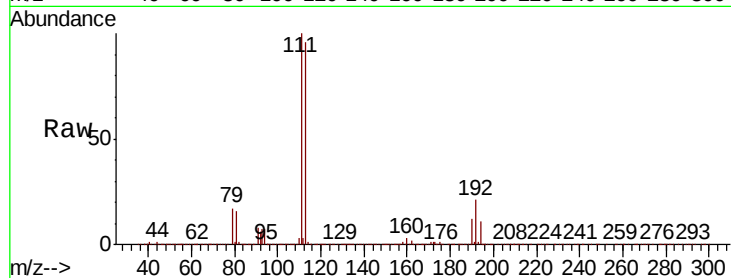




#35
 Dibromofluoromethane
 Concen: 48.453 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX0137877.D
 Acq: 10 Dec 2019 02:17

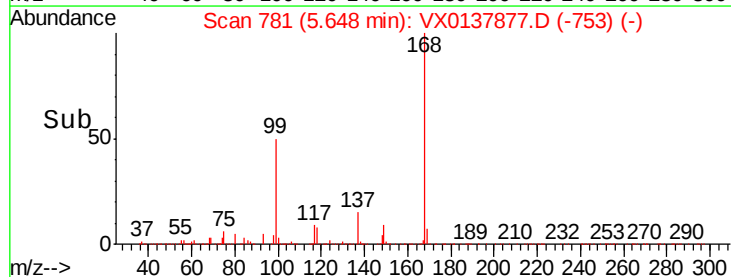
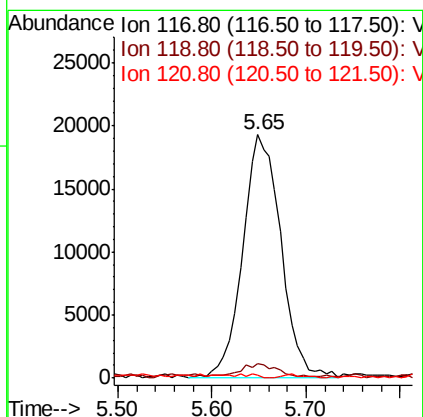
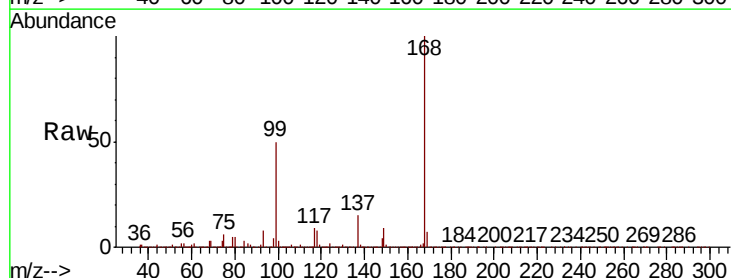
Instrument :
 MSVOA_X
 ClientSampleId :

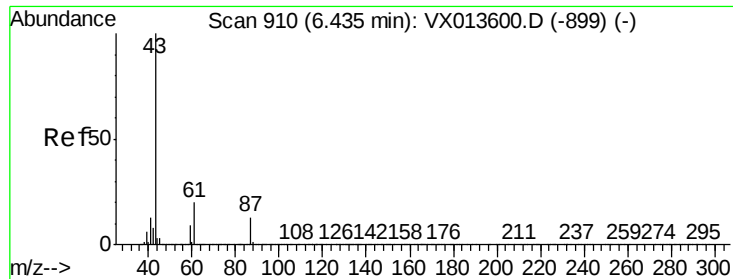
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.6	125.4
192	23.3	19.2	28.8



#38
 Carbon Tetrachloride
 Concen: 7.195 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX0137877.D
 Acq: 10 Dec 2019 02:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.5	116.3#
121	1.0	25.0	37.6#





#43

Isopropyl Acetate

Concen: 8.754 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

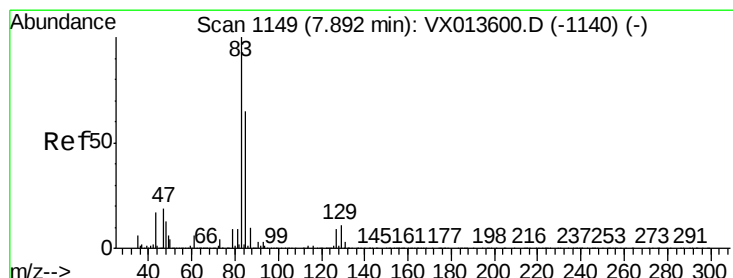
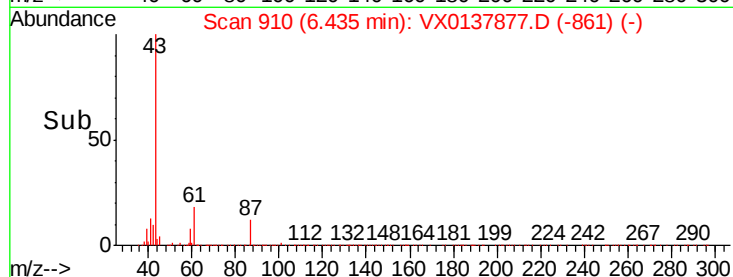
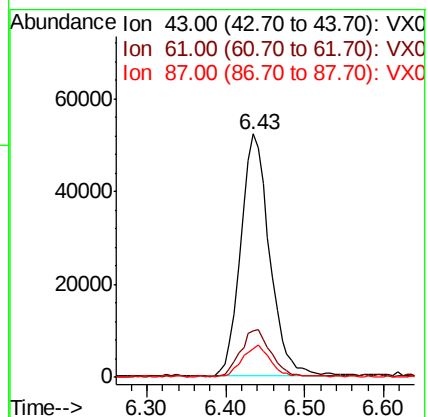
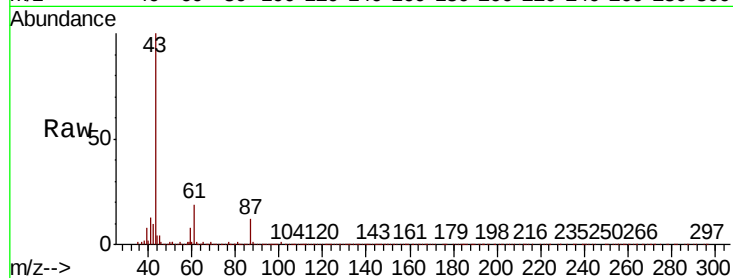
Tot Ion: 43 Resp: 133732

Ion Ratio Lower Upper

43 100

61 20.1 16.3 24.5

87 13.1 10.8 16.2



#47

Bromodichloromethane

Concen: 0.301 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

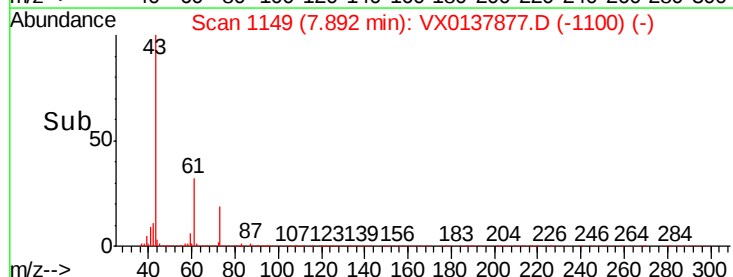
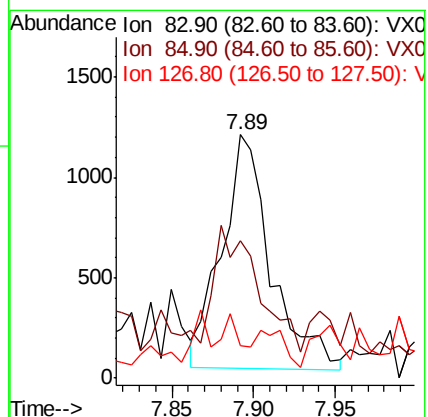
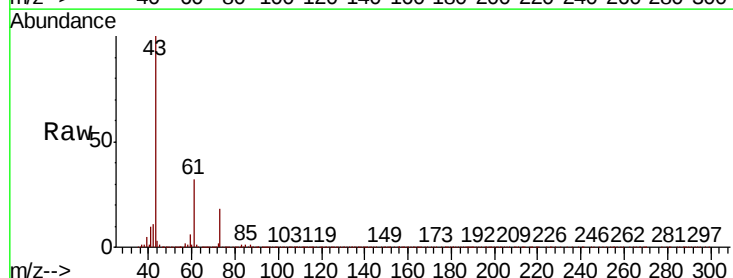
Tgt Ion: 83 Resp: 2436

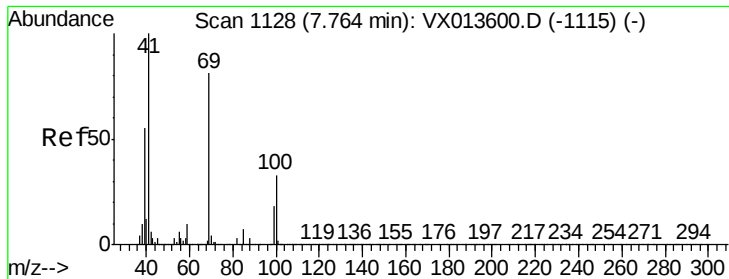
Ion Ratio Lower Upper

83 100

85 46.2 52.1 78.1#

127 0.0 7.0 10.4#

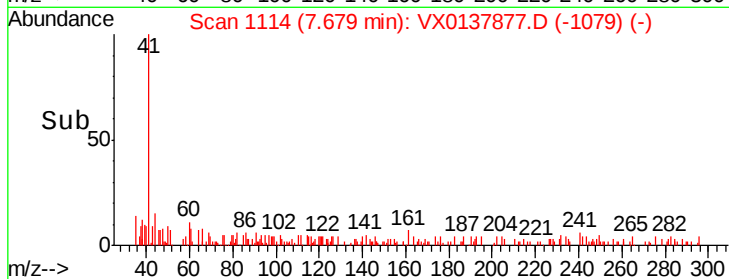
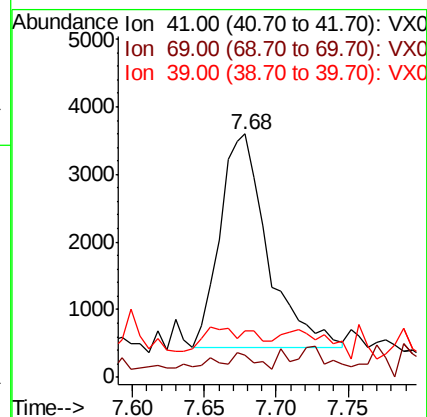
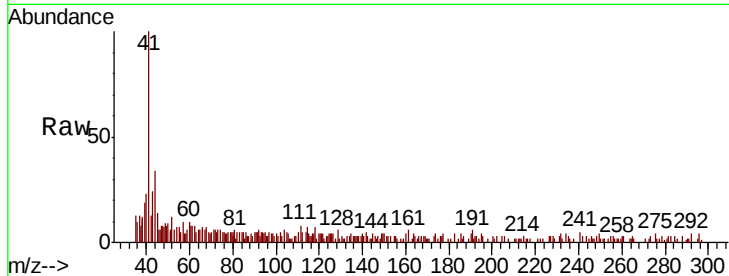




#48
Methvl methacrylate
Concen: 0.985 ug/l
RT: 7.68 min Scan# 1114
Delta R.T. -0.09 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

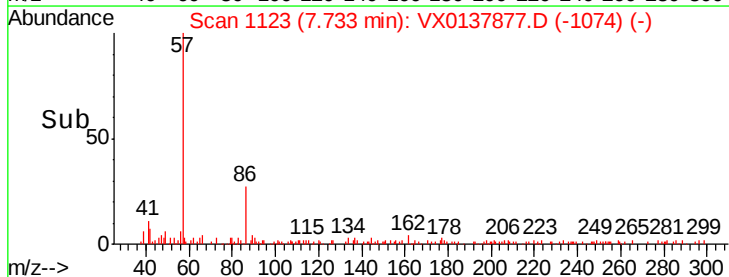
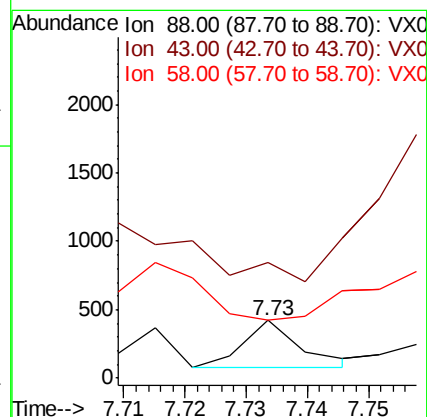
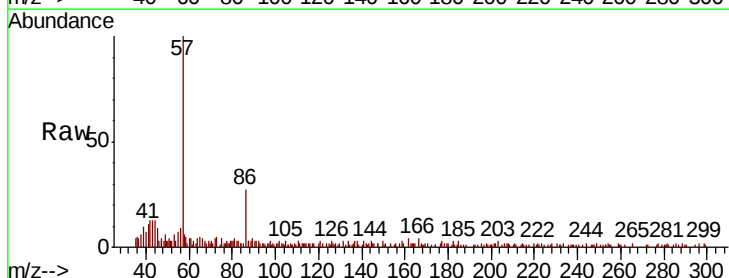
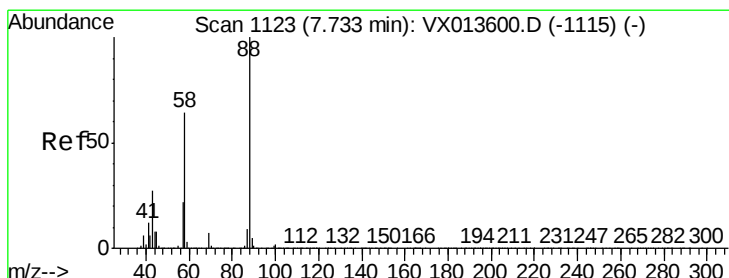
Instrument :
MSVOA_X
ClientSampleId :

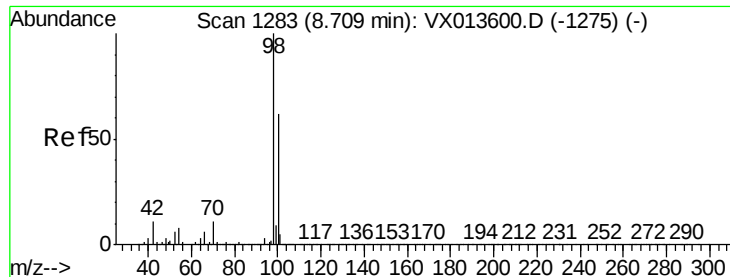
Tot Ion	Ratio	Lower	Upper
41	100		
69	3.3	64.7	97.1#
39	0.0	43.8	65.6#



#49
1,4-Dioxane
Concen: 1.336 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.8	38.6#
58	0.0	54.6	82.0#





#50

Toluene-d8

Concen: 49.737 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

Instrument :

MSVOA_X

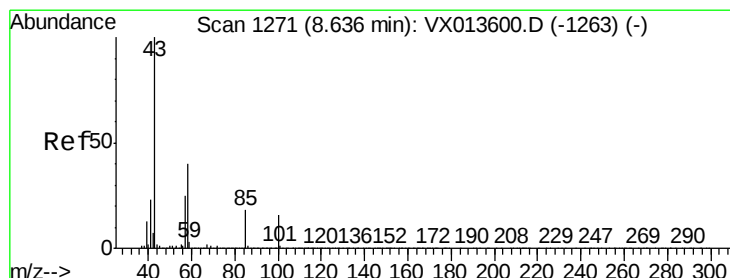
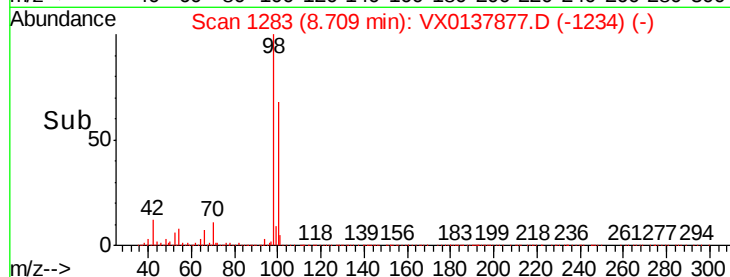
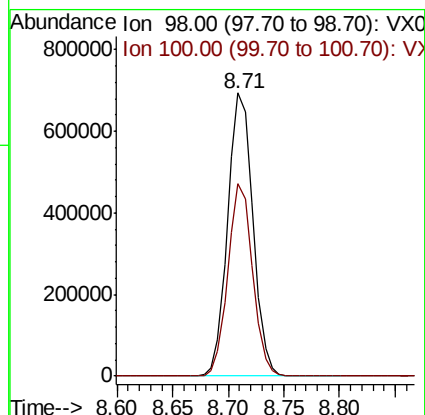
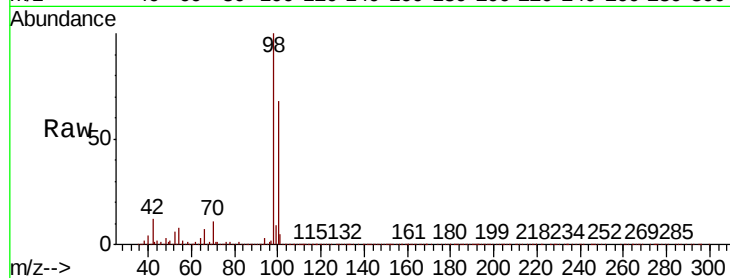
ClientSampleId :

Tot Ion: 98 Resp: 1091631

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 13.207 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX0137877.D

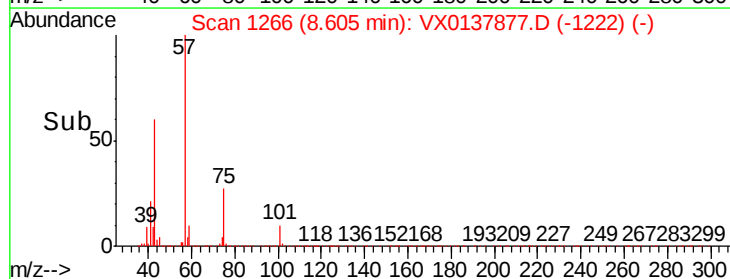
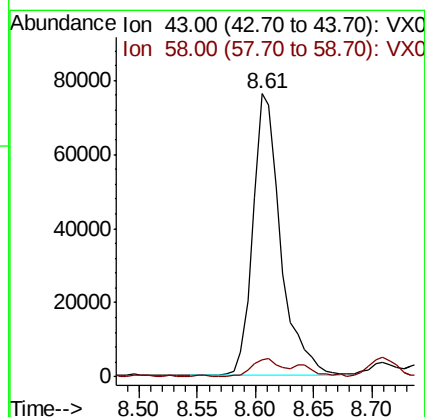
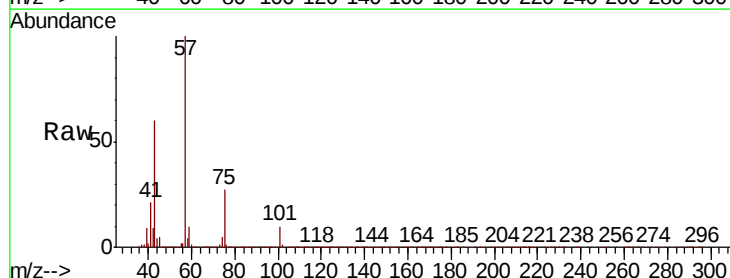
Acq: 10 Dec 2019 02:17

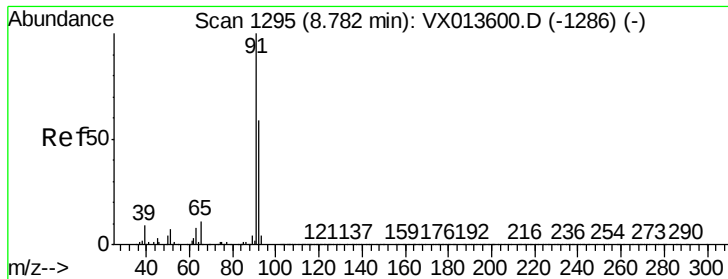
Tgt Ion: 43 Resp: 126910

Ion Ratio Lower Upper

43 100

58 6.5 32.1 48.1#





#52

Toluene

Concen: 0.206 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

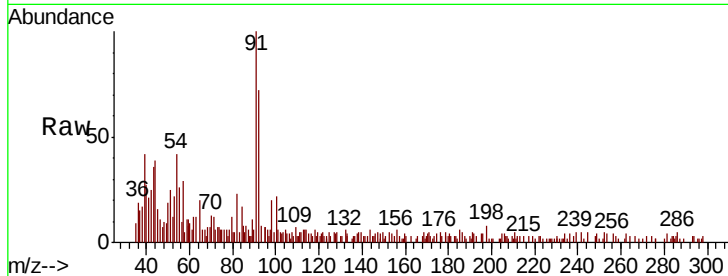
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 92 Resp: 3230

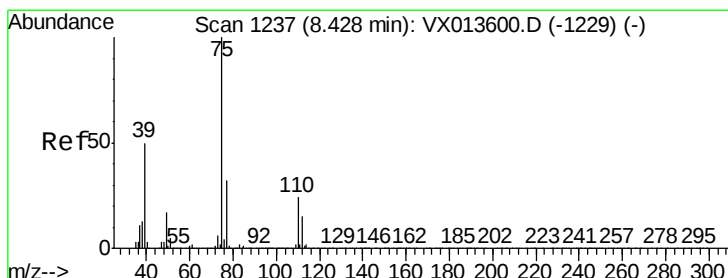
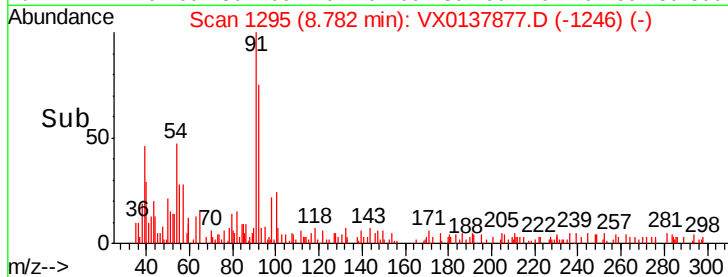
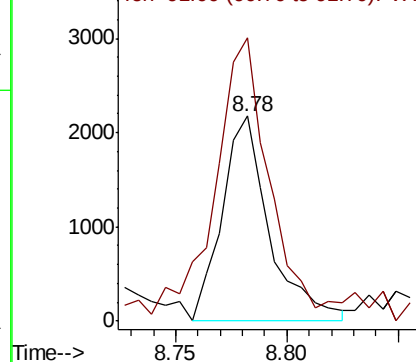
Ion Ratio Lower Upper

92 100

91 149.3 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 5.672 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. 0.18 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

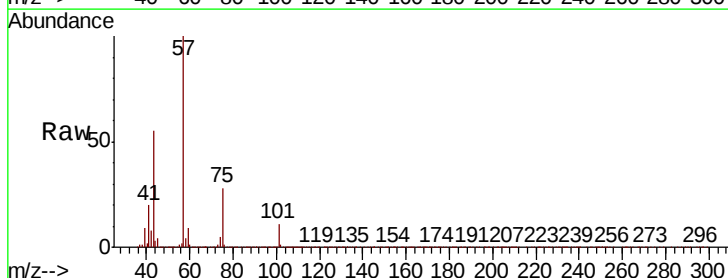
Tgt Ion: 75 Resp: 57085

Ion Ratio Lower Upper

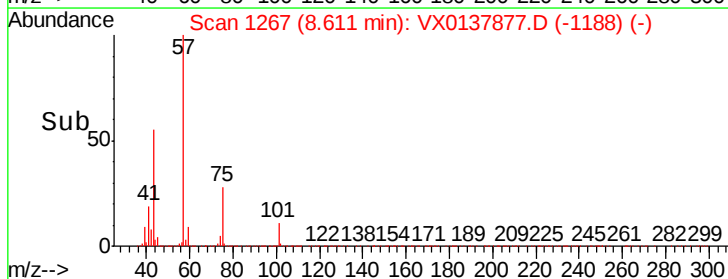
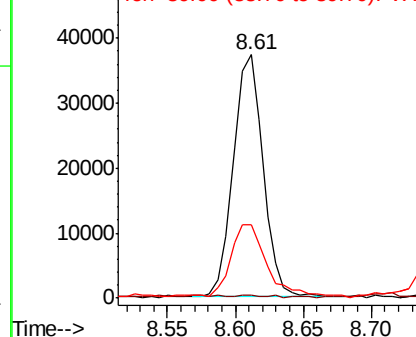
75 100

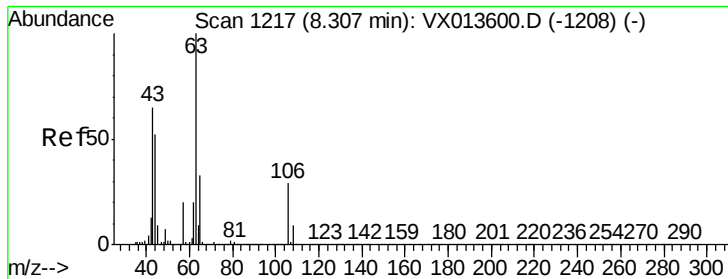
77 0.0 25.8 38.6#

39 29.2 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0

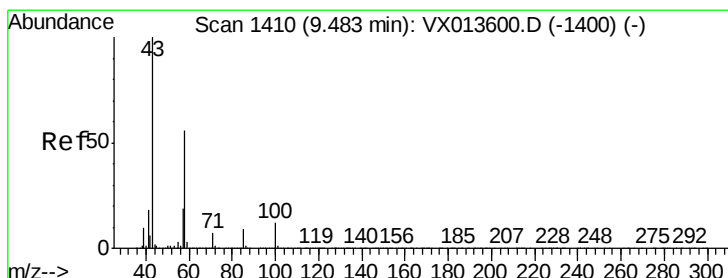
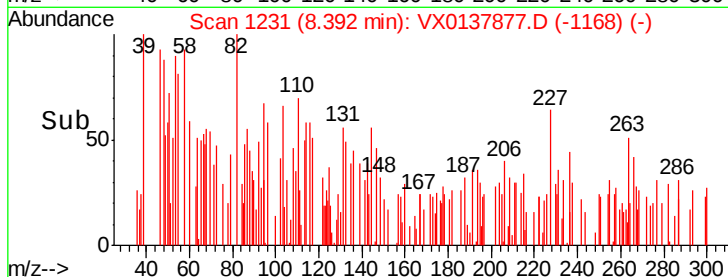
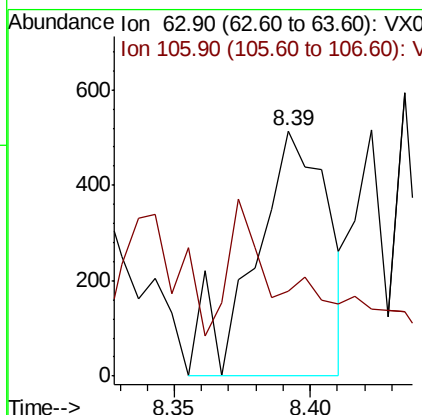
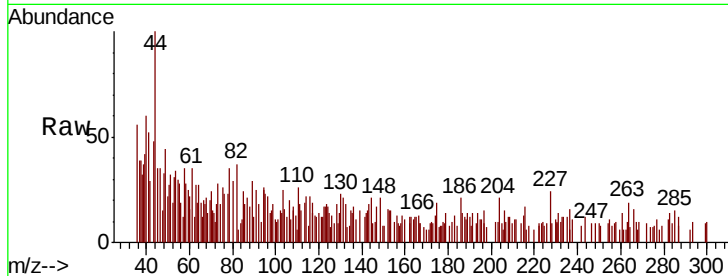




#58
2-Chloroethyl Vinyl ether
Concen: 0.244 ug/l
RT: 8.39 min Scan# 1231
Delta R.T. 0.09 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

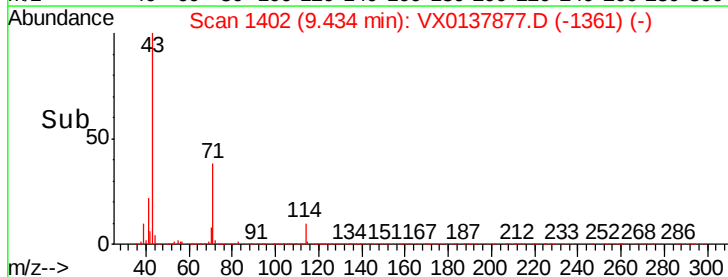
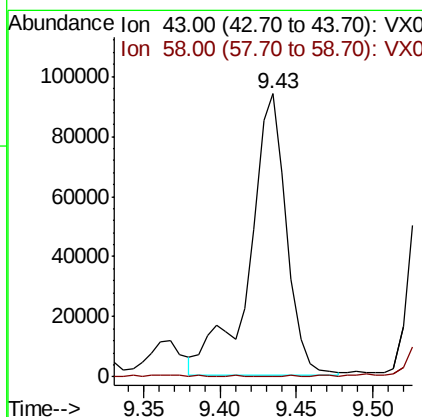
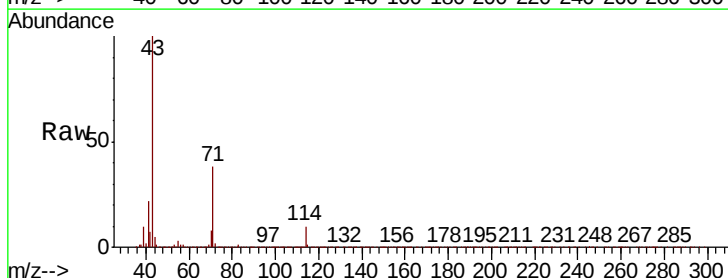
Instrument :
MSVOA_X
ClientSampled :

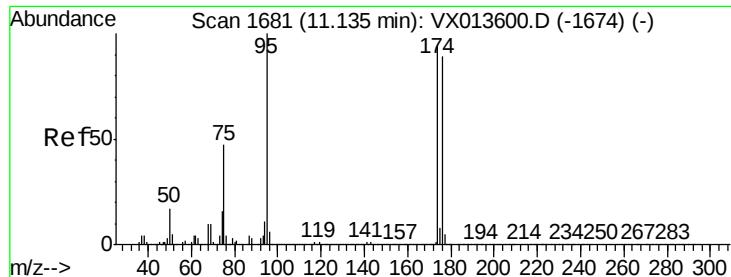
Tot Ion: 63 Resp: 969
Ion Ratio Lower Upper
63 100
106 27.0 23.4 35.0



#59
2-Hexanone
Concen: 21.115 ug/l
RT: 9.43 min Scan# 1402
Delta R.T. -0.05 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

Tgt Ion: 43 Resp: 158254
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.4#

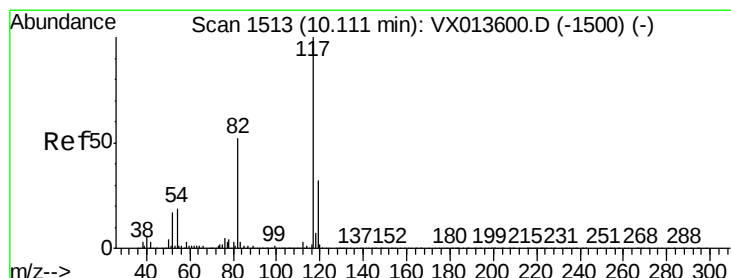
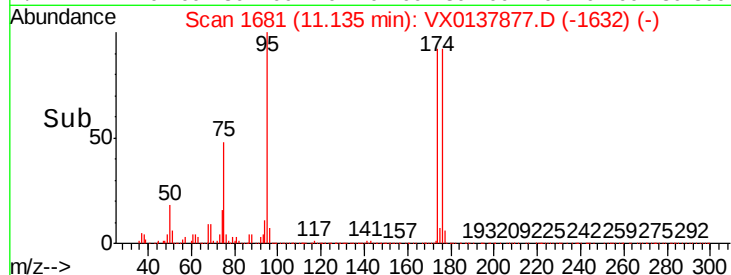
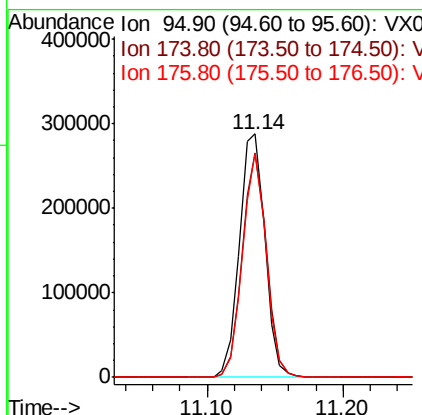
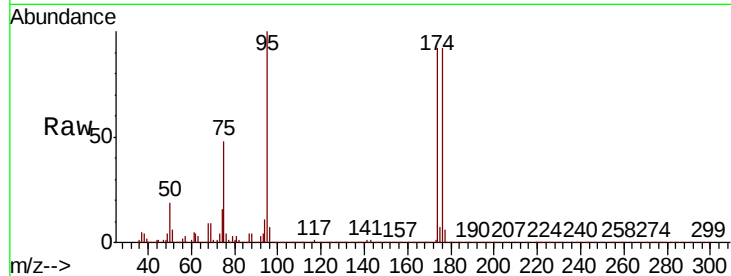




#62
4-Bromofluorobenzene
Concen: 47.709 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

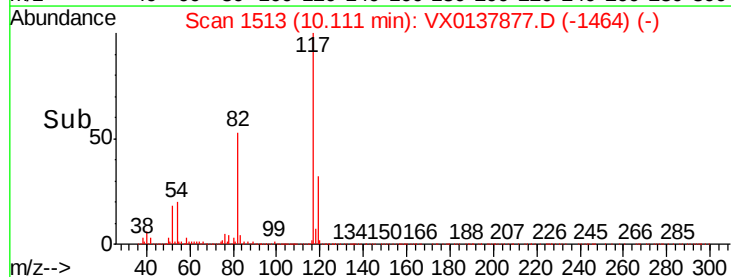
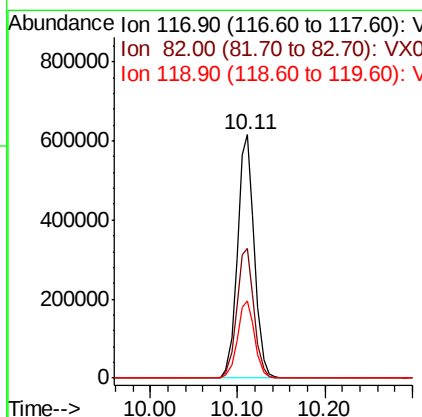
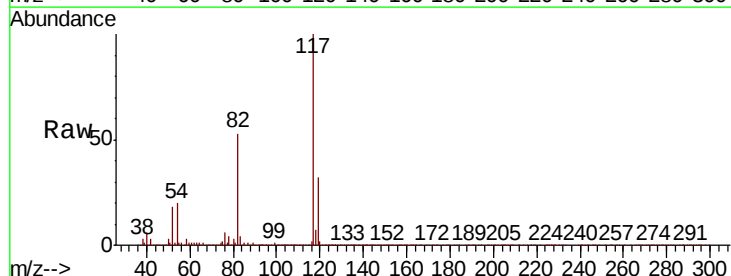
Instrument :
MSVOA_X
ClientSampleId :

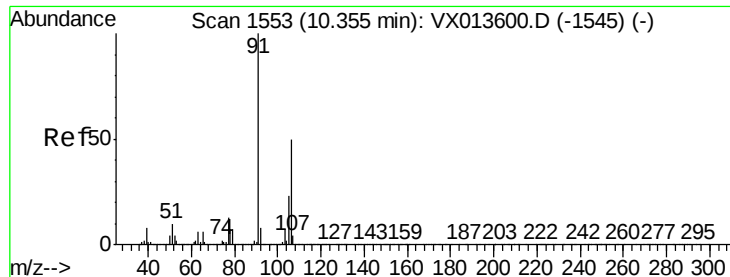
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.6	0.0	180.0
176	85.8	0.0	173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.8	62.8
119	31.6	25.8	38.8





#68

m/p-Xylenes

Concen: 0.303 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

Instrument :

MSVOA_X

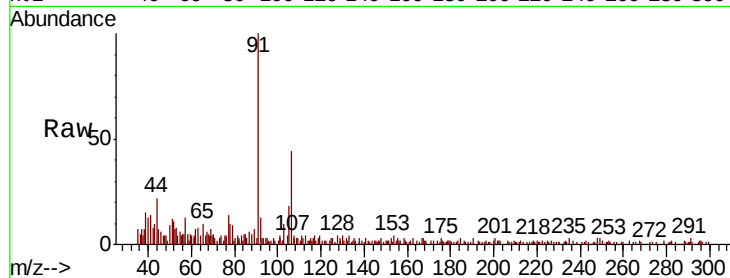
ClientSampleId :

Tot Ion:106 Resp: 3446

Ion Ratio Lower Upper

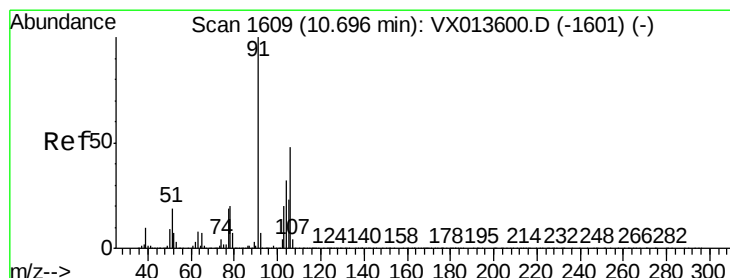
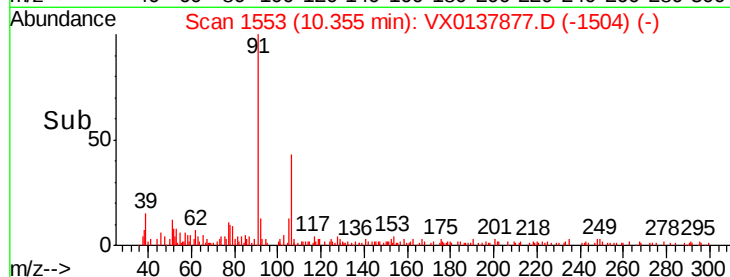
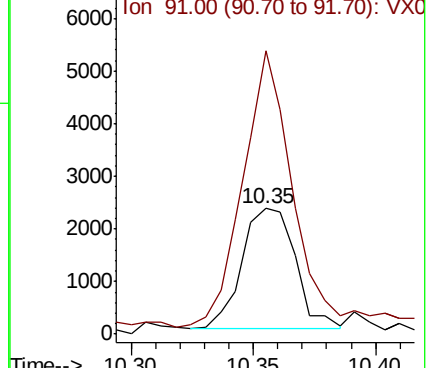
106 100

91 225.2 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.328 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX0137877.D

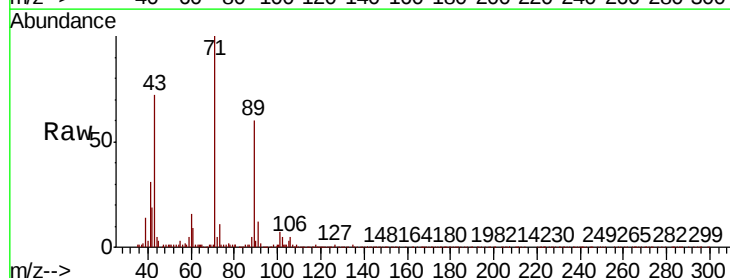
Acq: 10 Dec 2019 02:17

Tgt Ion:106 Resp: 3629

Ion Ratio Lower Upper

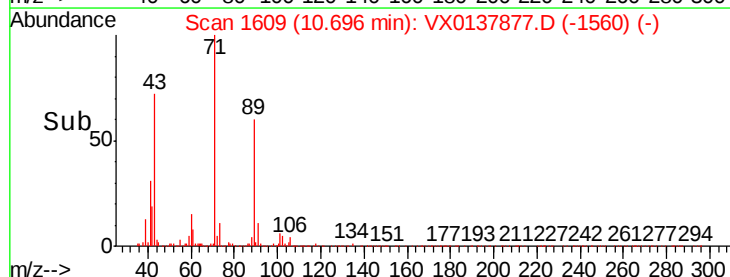
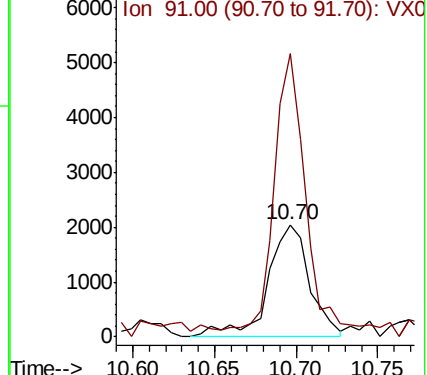
106 100

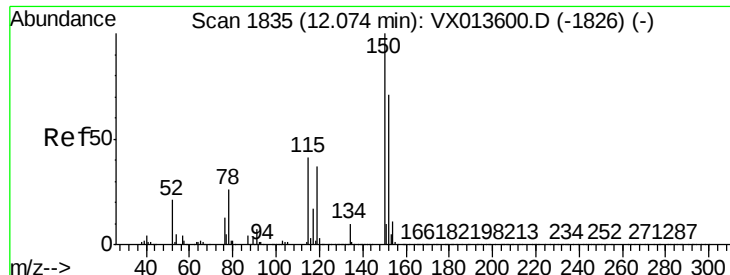
91 182.4 104.1 312.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



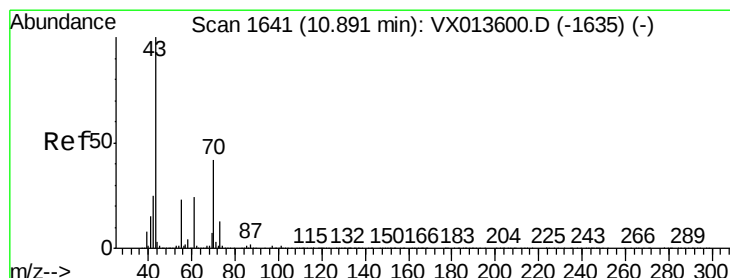
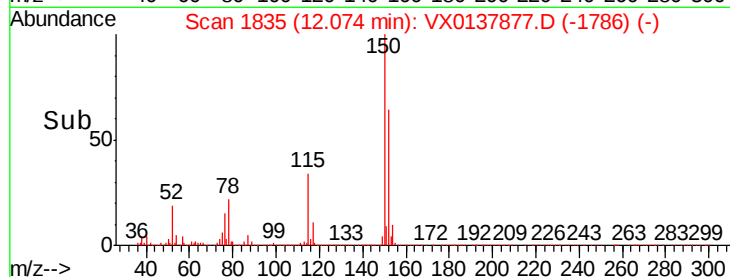
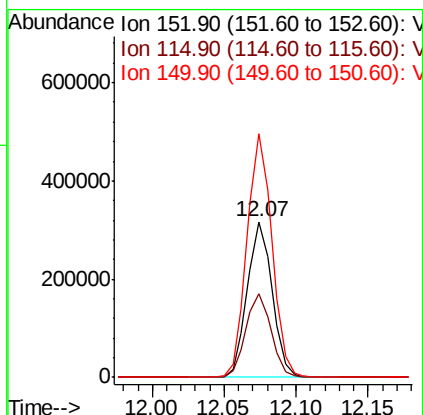
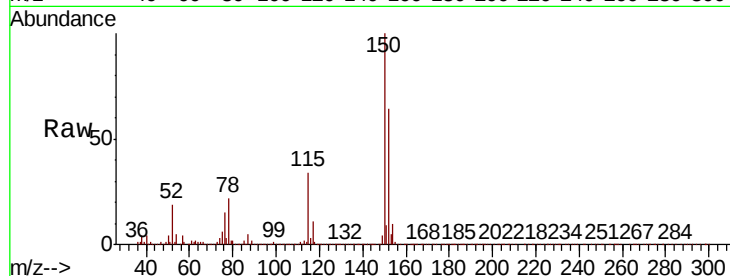


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :

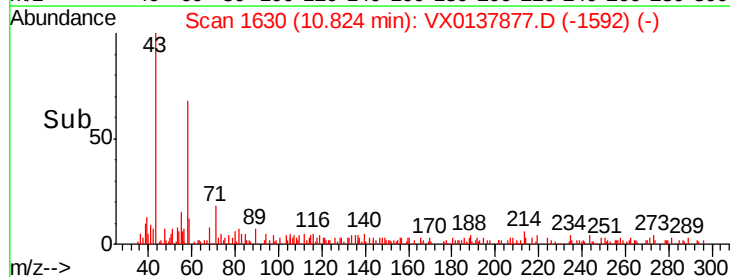
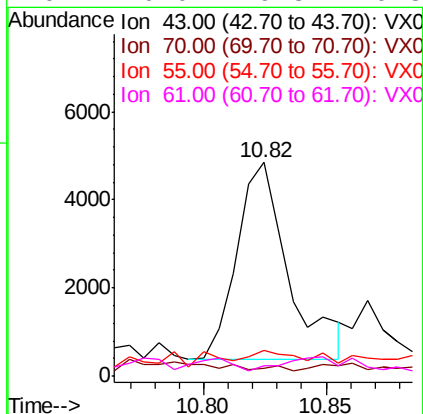
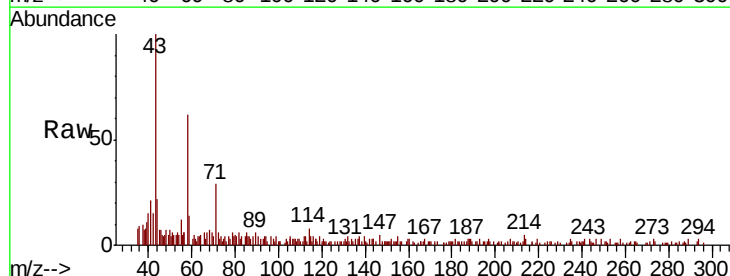
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	38.4	115.1
150	156.5	0.0	346.8

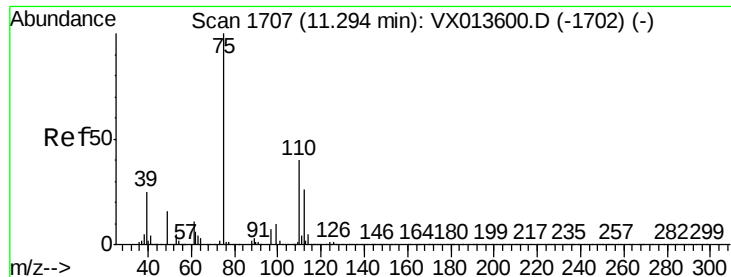


#74

N-aryl acetate
Concen: 0.539 ug/l
RT: 10.82 min Scan# 1630
Delta R.T. -0.07 min
Lab File: VX0137877.D
Acq: 10 Dec 2019 02:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.3	51.5#
55	3.9	18.5	27.7#
61	0.0	19.8	29.8#





#76

1,2,3-Trichloropropane

Concen: 21.461 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

Instrument :

MSVOA_X

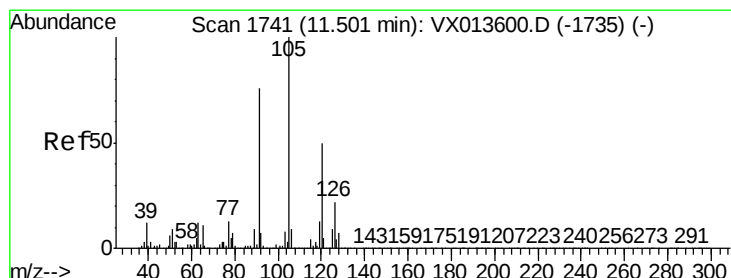
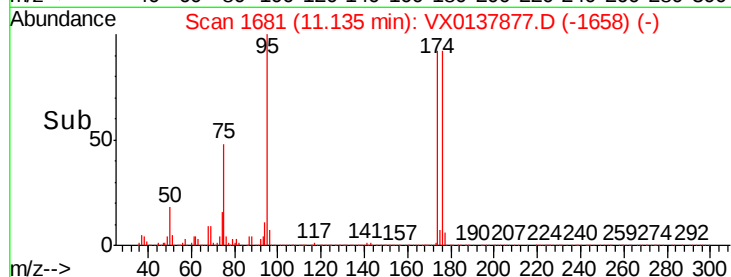
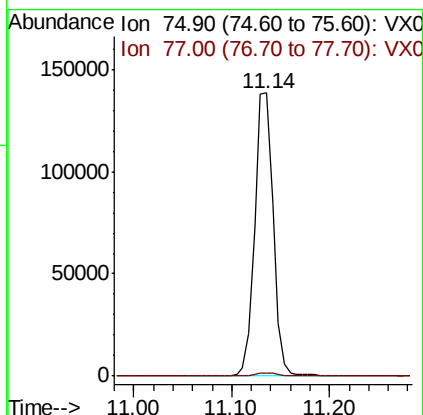
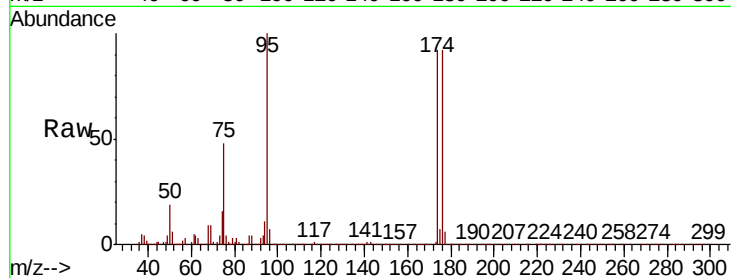
ClientSampleId :

Tot Ion: 75 Resp: 182358

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.412 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX0137877.D

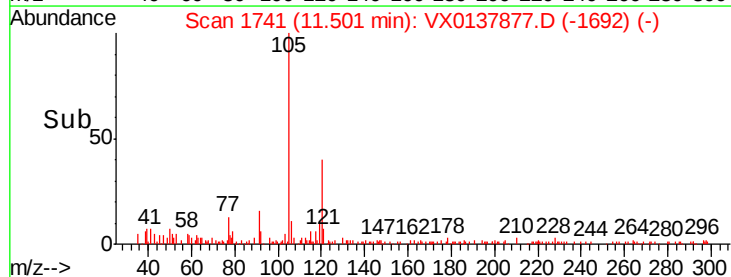
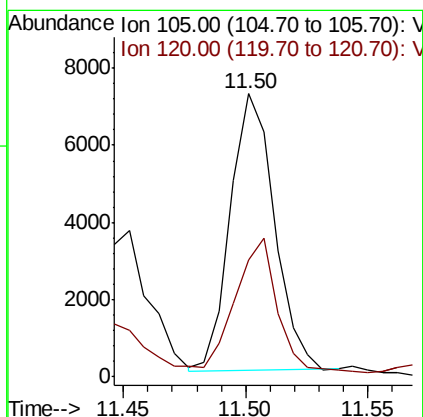
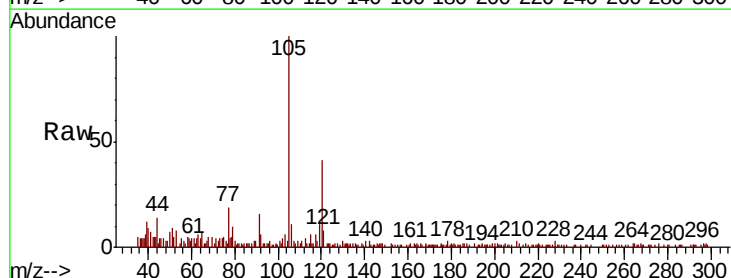
Acq: 10 Dec 2019 02:17

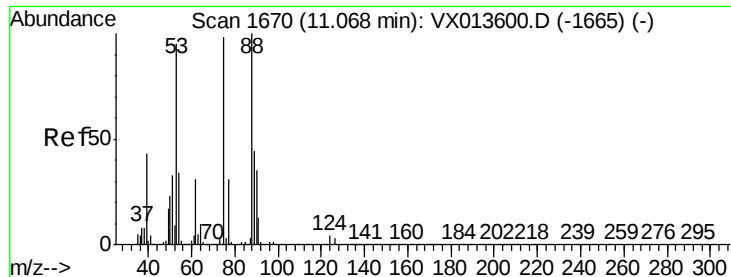
Tgt Ion:105 Resp: 8940

Ion Ratio Lower Upper

105 100

120 46.8 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 58.713 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX0137877.D

Acq: 10 Dec 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

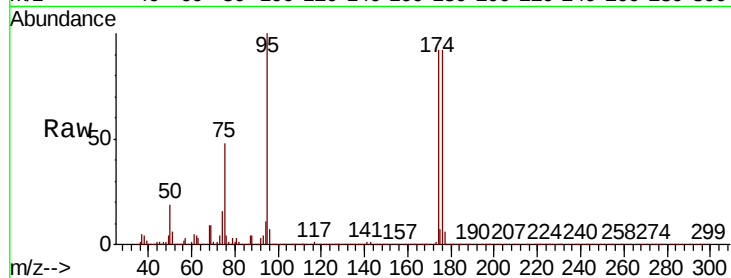
Tot Ion: 75 Resp: 182358

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.2#

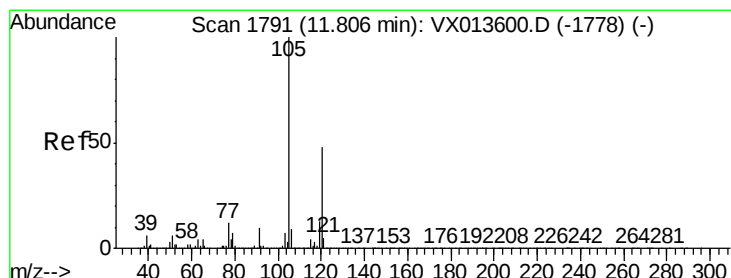
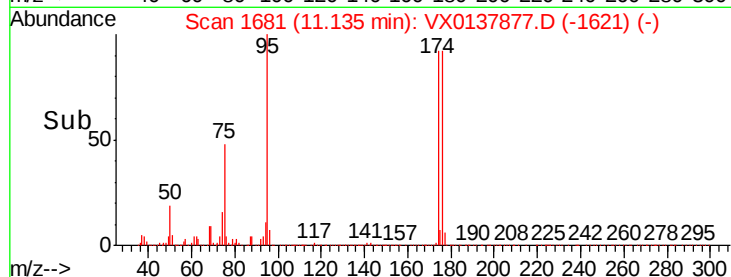
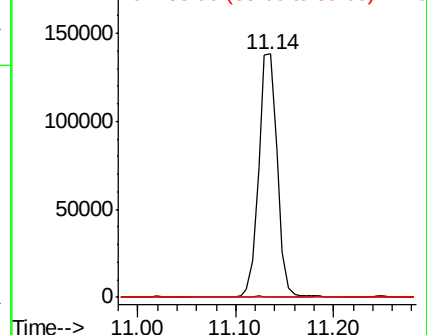
89 0.0 35.4 53.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.838 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX0137877.D

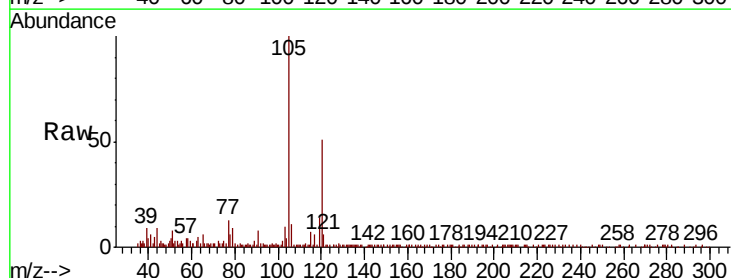
Acq: 10 Dec 2019 02:17

Tgt Ion:105 Resp: 18482

Ion Ratio Lower Upper

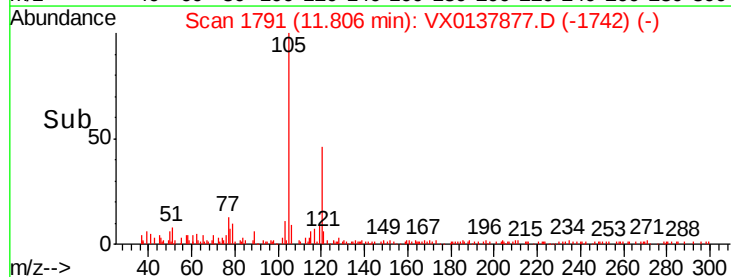
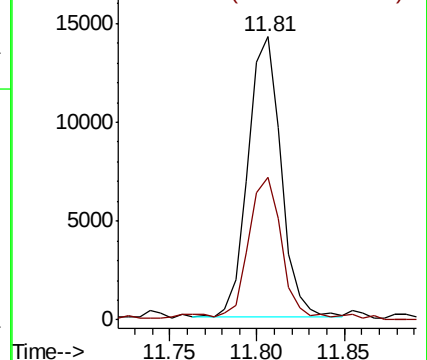
105 100

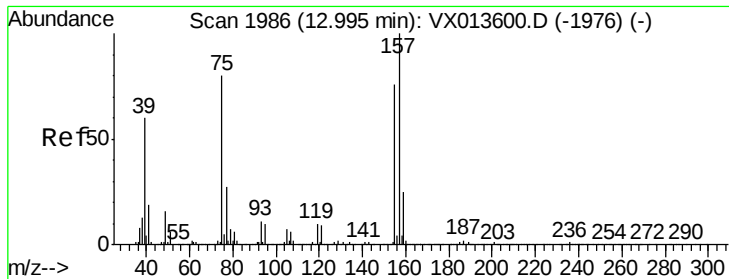
120 53.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

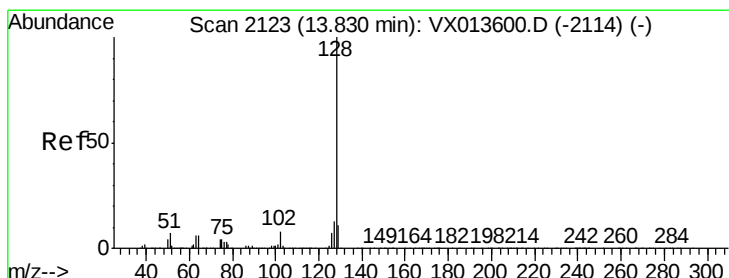
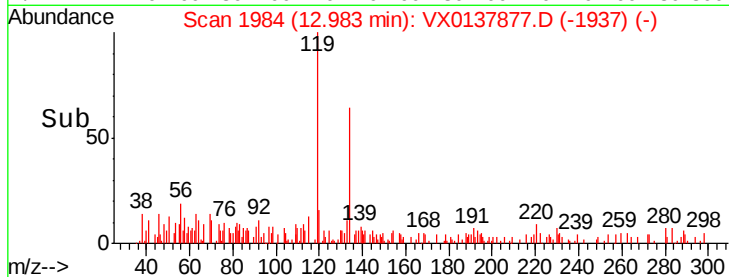
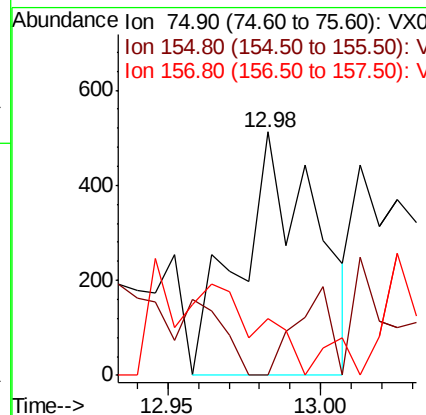
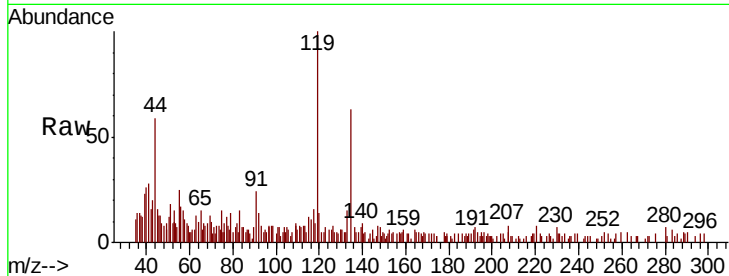




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.442 ug/l
 RT: 12.98 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VX0137877.D
 Acq: 10 Dec 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 885
 Ion Ratio Lower Upper
 75 100
 155 16.5 47.6 142.8#
 157 0.0 62.1 186.2#



#95
 Naphthalene
 Concen: 2.600 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX0137877.D
 Acq: 10 Dec 2019 02:17

Tgt Ion: 128 Resp: 66530
 Ion Ratio Lower Upper
 128 100
 127 11.1 10.3 15.5
 129 11.9 8.7 13.1

