

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112519\
 Data File : VX013577.D
 Acq On : 25 Nov 2019 13:17
 Operator : JC/SP
 Sample : VX1125MBL01
 Misc : 5.00G/10ML/100UL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125MBL01

Quant Time: Nov 25 14:21:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	687040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1128128	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1002188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	447791	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	411012	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	5.48	113	341212	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	1340681	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.13	95	444548	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

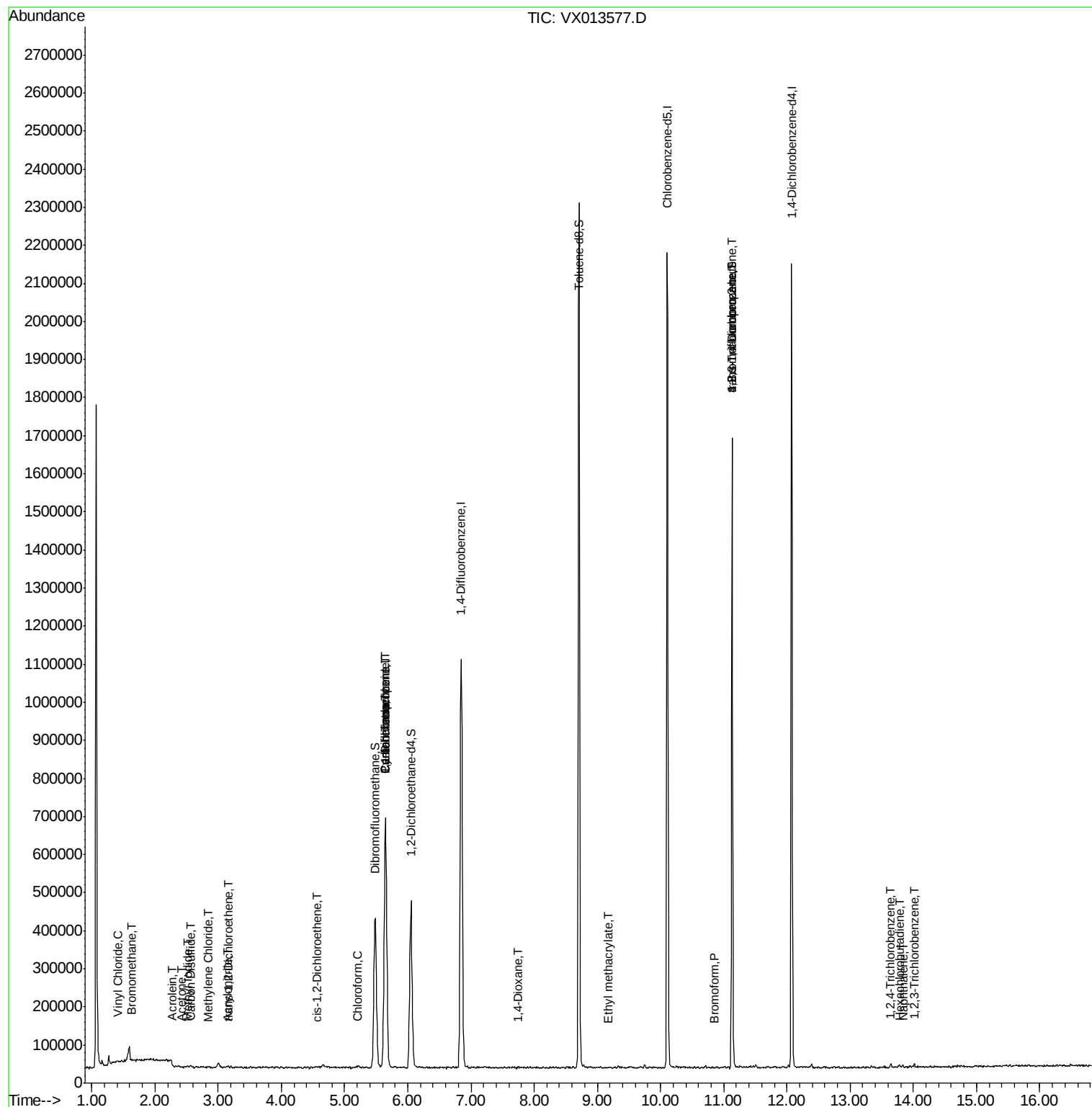
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2180	0.223	ug/l #	56
5) Bromomethane	1.64	94	3045	0.447	ug/l	81
6) Chloroethane	1.68	64	504	Below Cal		100
10) Methyl Iodide	2.51	142	3946	0.495	ug/l #	52
13) Acrolein	2.28	56	1244	1.070	ug/l #	72
15) Acrylonitrile	3.14	53	2015	0.503	ug/l #	72
16) Acetone	2.43	43	2028	0.500	ug/l #	47
17) Carbon Disulfide	2.56	76	6750	0.400	ug/l #	86
20) Methylene Chloride	2.84	84	2122	0.283	ug/l #	35
21) trans-1,2-Dichloroethene	3.16	96	1420	0.207	ug/l #	55
27) cis-1,2-Dichloroethene	4.58	96	2128	0.277	ug/l #	2
30) Chloroform	5.20	83	6180	0.506	ug/l	85
31) Cyclohexane	5.64	56	12524	1.125	ug/l #	11
36) 1,1-Dichloropropene	5.64	75	45331	4.684	ug/l #	48
38) Carbon Tetrachloride	5.64	117	61813	6.531	ug/l #	16
49) 1,4-Dioxane	7.74	88	288	1.353	ug/l #	1
56) Ethyl methacrylate	9.18	69	221	1.579	ug/l #	1
71) Bromoform	10.85	173	597	3.283	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	220466	24.240	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	220466	62.393	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	2506	0.255	ug/l #	92
94) Hexachlorobutadiene	13.78	225	1595	0.331	ug/l	86
95) Naphthalene	13.84	128	6419	0.208	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.02	180	2822	0.286	ug/l	97

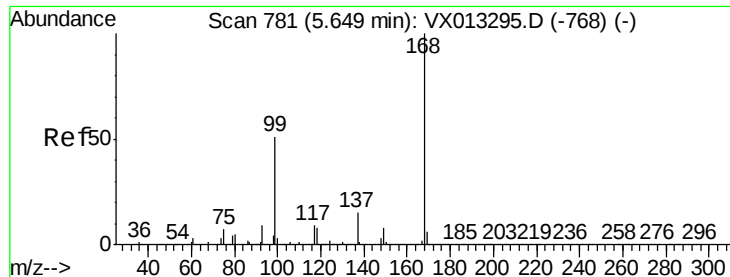
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX112519\
Data File : VX013577.D
Acq On : 25 Nov 2019 13:17
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Sample : VX1125MBL01
Misc : 5.00G/10ML/100UL/5.0mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125MBL01

Quant Time: Nov 25 14:21:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampled :

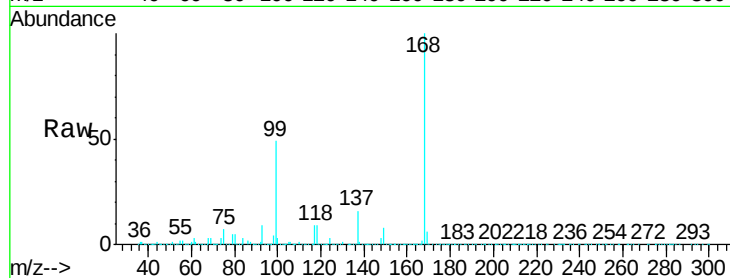
VX1125MBL01

Tgt Ion:168 Resp: 687040

Ion Ratio Lower Upper

168 100

99 49.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

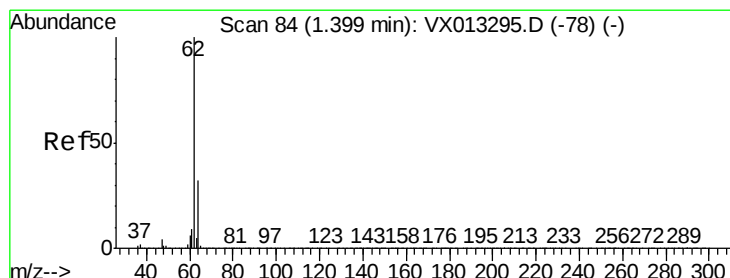
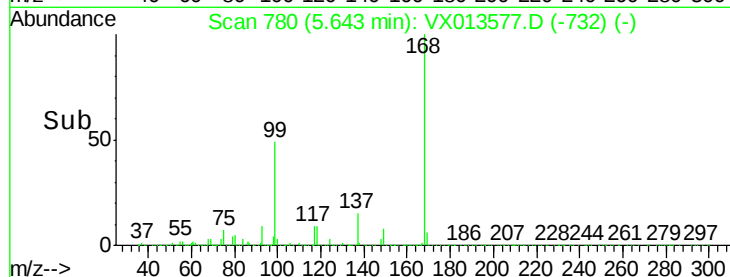
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 0.223 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013577.D

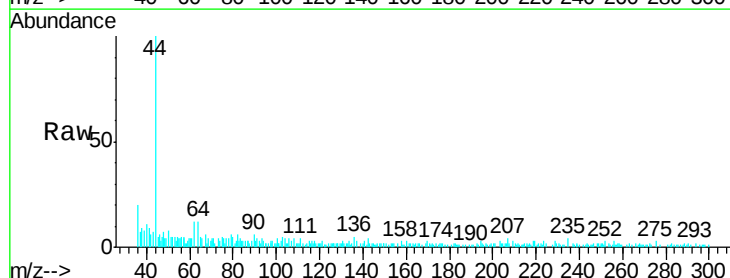
Acq: 25 Nov 2019 13:17

Tgt Ion: 62 Resp: 2180

Ion Ratio Lower Upper

62 100

64 56.8 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1500

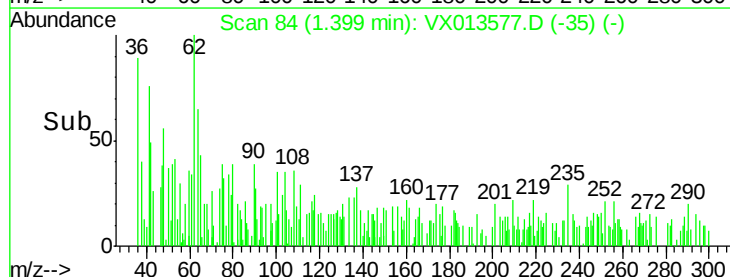
1000

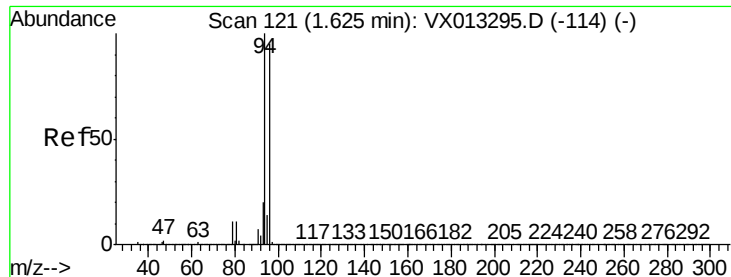
500

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 0.447 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

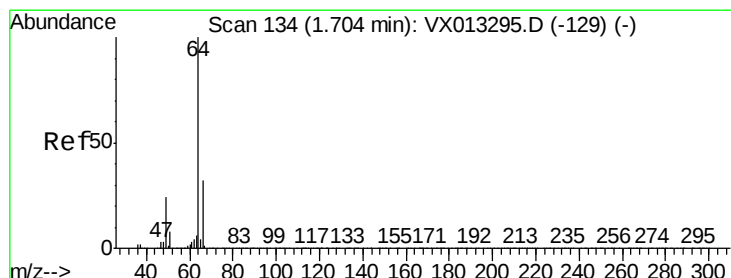
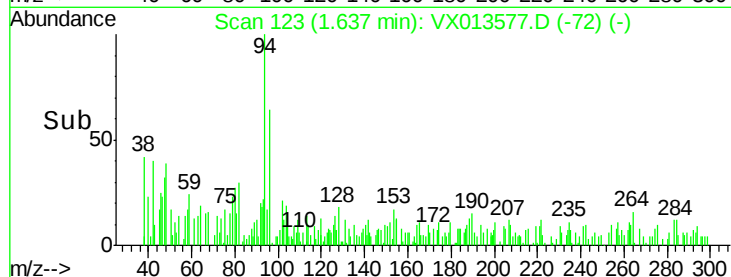
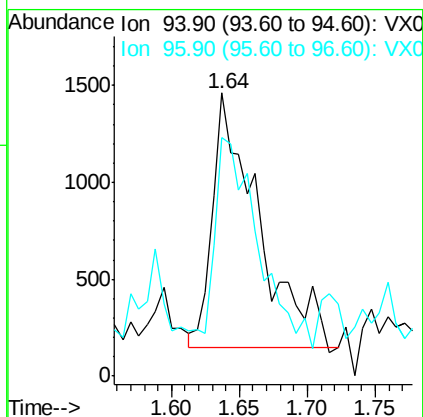
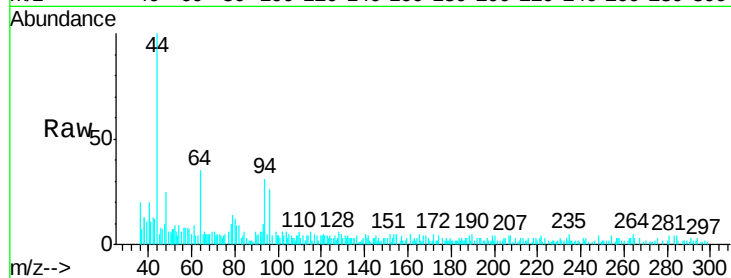
VX1125MBL01

Tgt Ion: 94 Resp: 3045

Ion Ratio Lower Upper

94 100

96 75.9 75.8 113.8



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 130

Delta R.T. -0.02 min

Lab File: VX013577.D

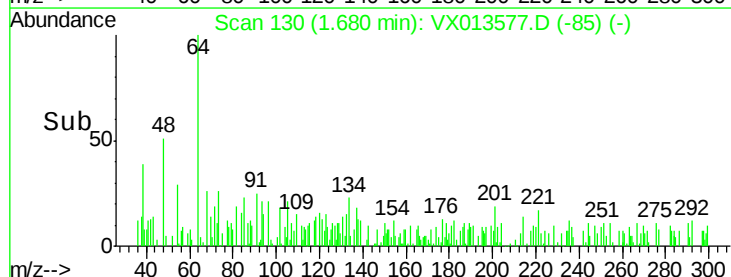
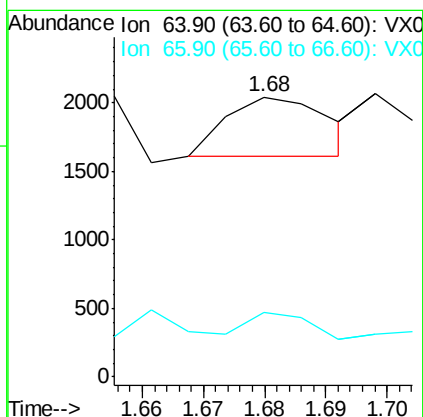
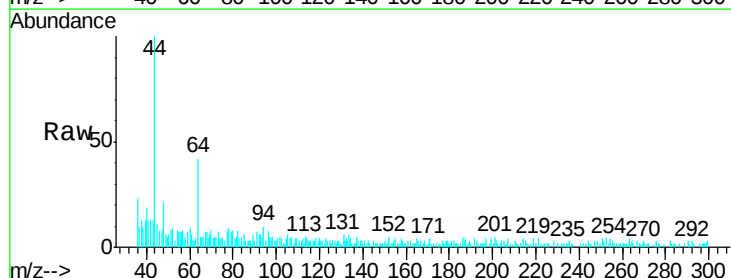
Acq: 25 Nov 2019 13:17

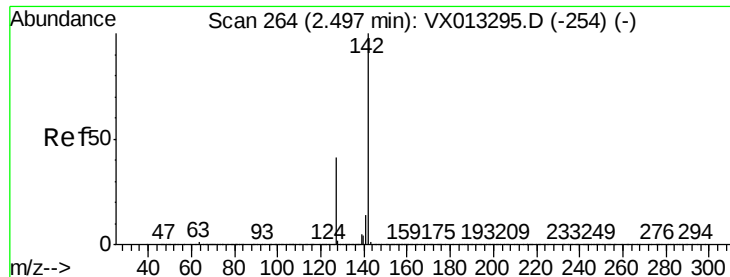
Tgt Ion: 64 Resp: 504

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4





#10

Methyl Iodide

Concen: 0.495 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

VX1125MBL01

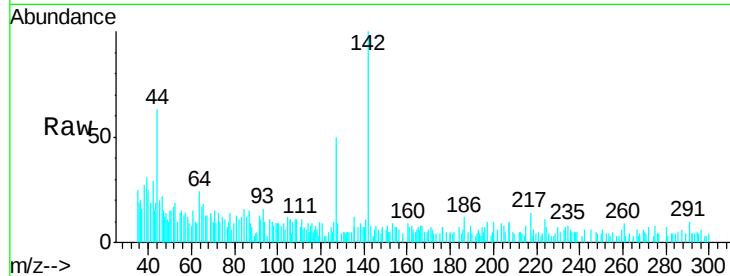
Tgt Ion:142 Resp: 3946

Ion Ratio Lower Upper

142 100

127 74.7 32.6 49.0#

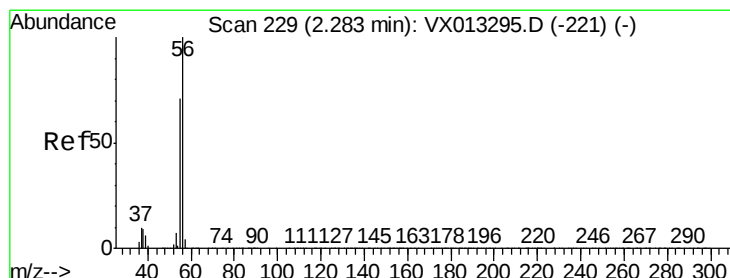
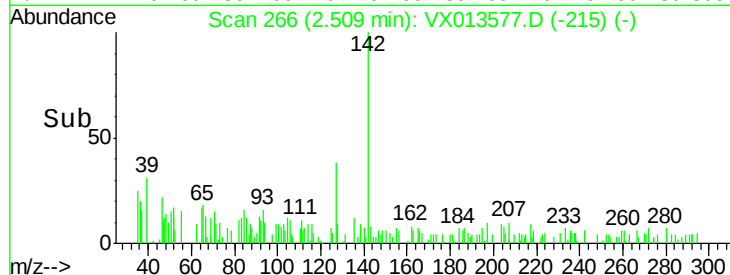
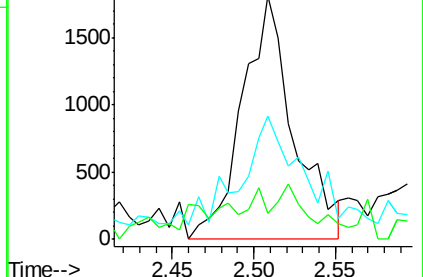
141 2.4 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 1.070 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013577.D

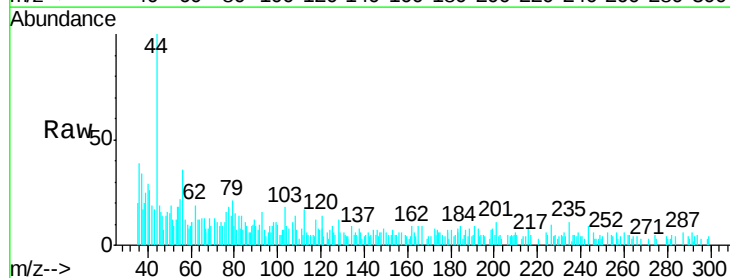
Acq: 25 Nov 2019 13:17

Tgt Ion: 56 Resp: 1244

Ion Ratio Lower Upper

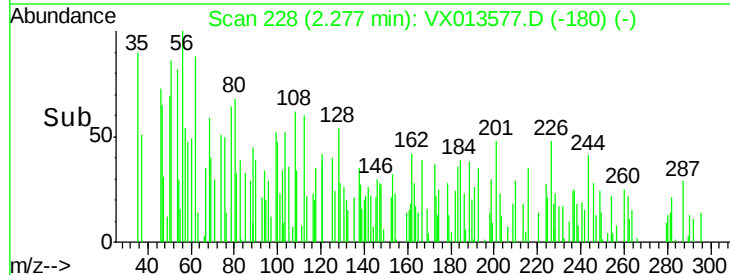
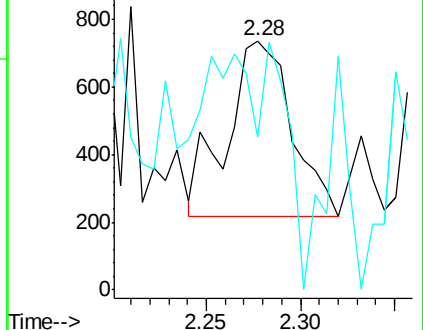
56 100

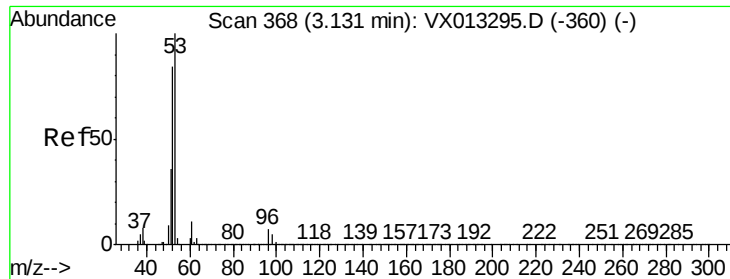
55 48.6 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.503 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampled :

VX1125MBL01

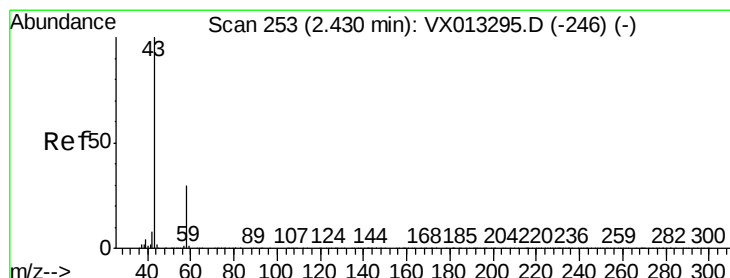
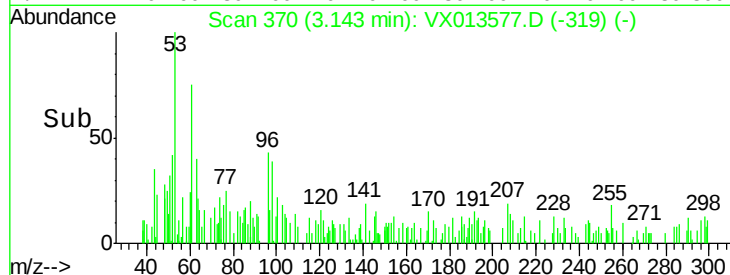
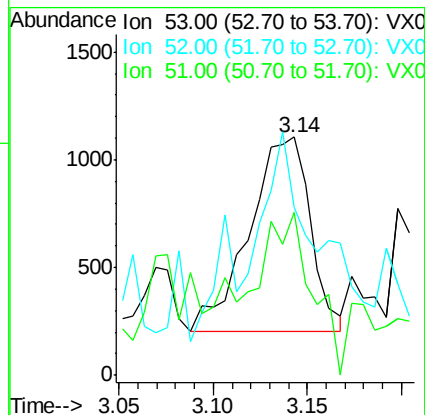
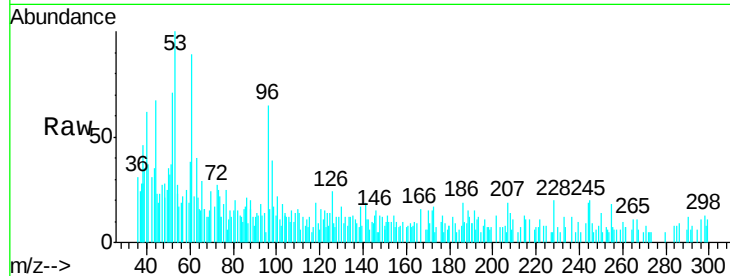
Tgt Ion: 53 Resp: 2015

Ion Ratio Lower Upper

53 100

52 96.5 67.4 101.0

51 72.6 29.4 44.2#



#16

Acetone

Concen: 0.500 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013577.D

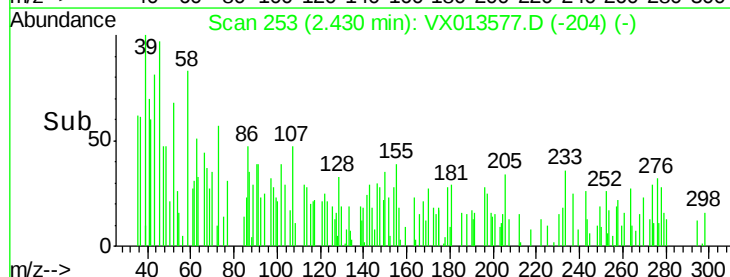
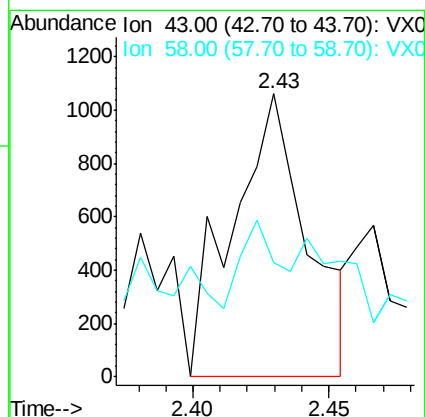
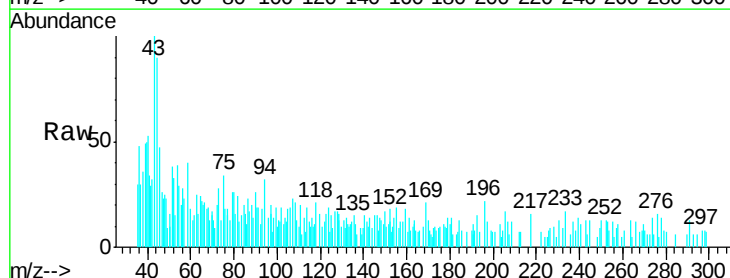
Acq: 25 Nov 2019 13:17

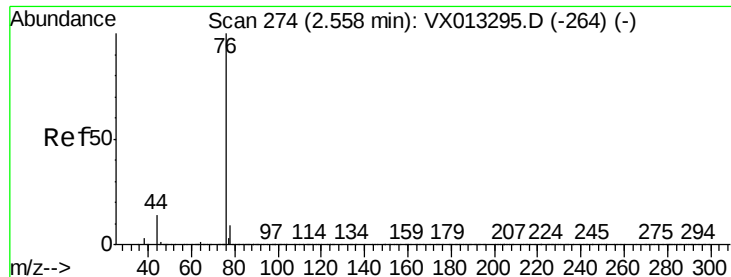
Tgt Ion: 43 Resp: 2028

Ion Ratio Lower Upper

43 100

58 1.4 24.3 36.5#





#17

Carbon Disulfide

Concen: 0.400 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

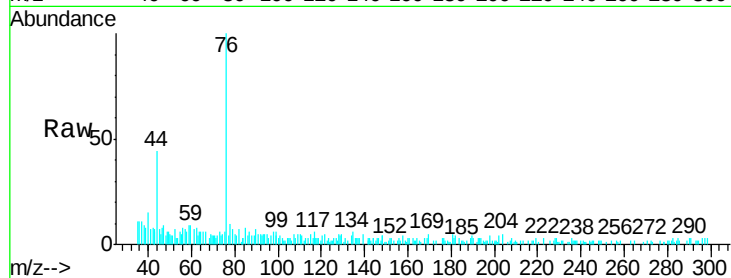
VX1125MBL01

Tgt Ion: 76 Resp: 6750

Ion Ratio Lower Upper

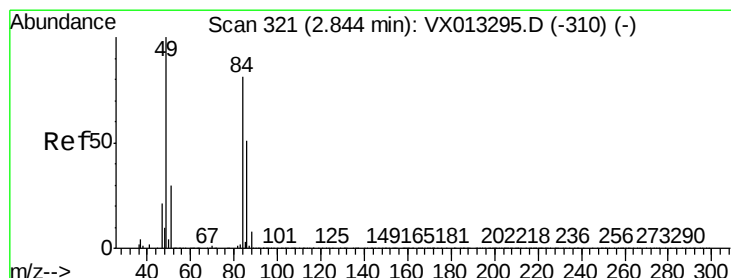
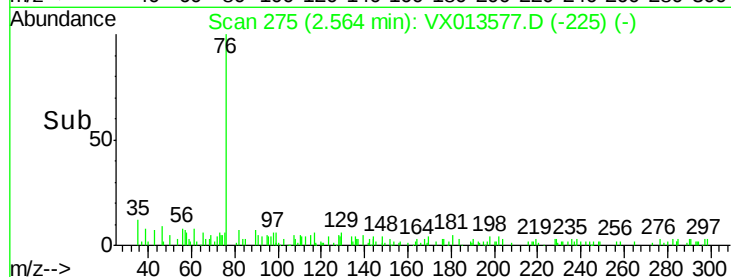
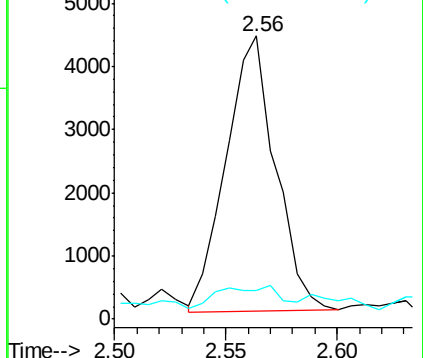
76 100

78 3.7 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.283 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Tgt Ion: 84 Resp: 2122

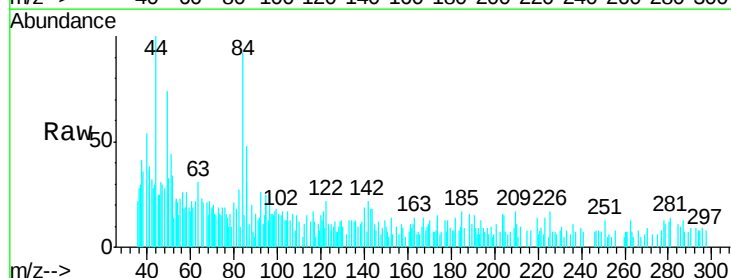
Ion Ratio Lower Upper

84 100

49 12.0 98.2 147.4#

51 16.5 29.9 44.9#

86 76.4 49.9 74.9#

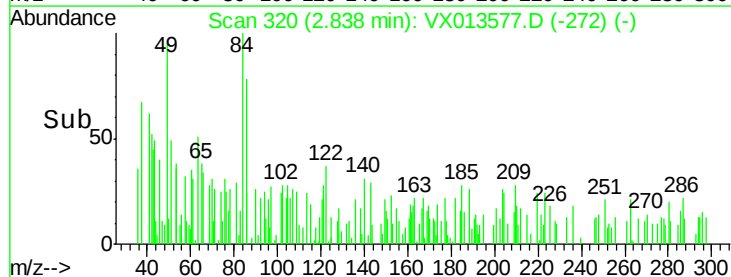
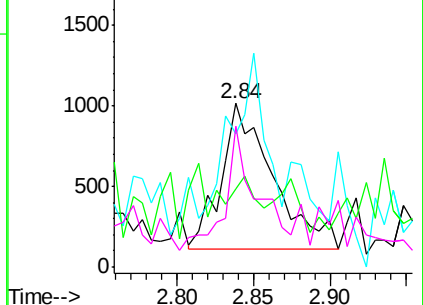


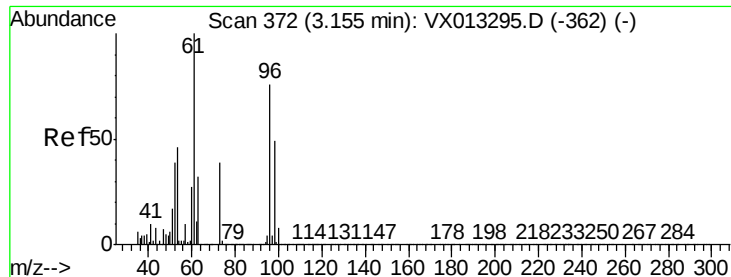
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.207 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

VX1125MBL01

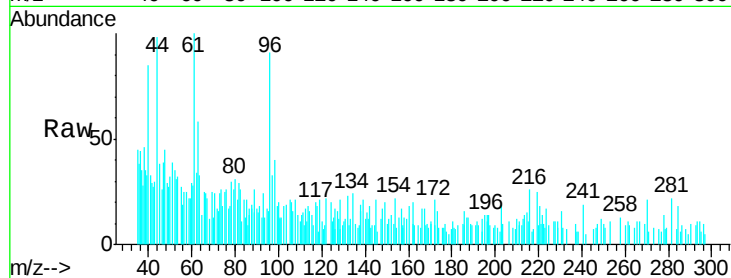
Tgt Ion: 96 Resp: 1420

Ion Ratio Lower Upper

96 100

61 78.4 105.8 158.6#

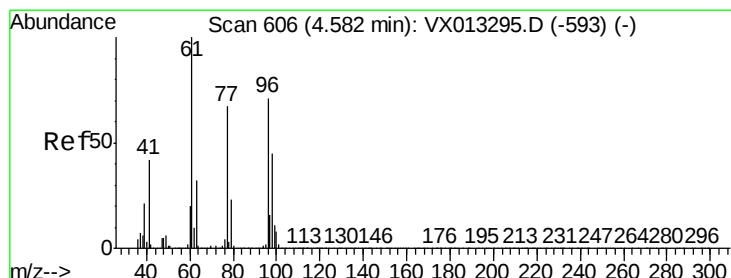
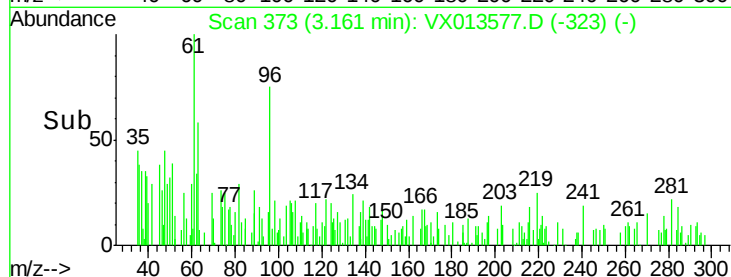
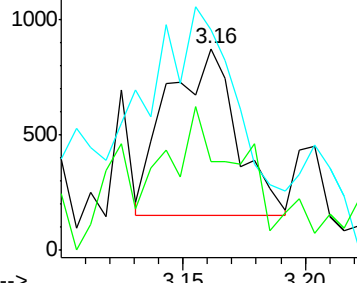
98 31.0 51.8 77.6#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.277 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

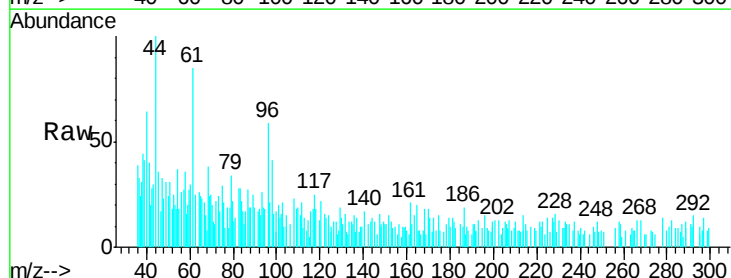
Tgt Ion: 96 Resp: 2128

Ion Ratio Lower Upper

96 100

61 0.0 0.0 288.0

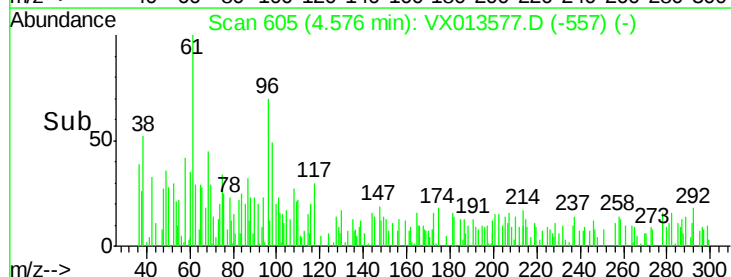
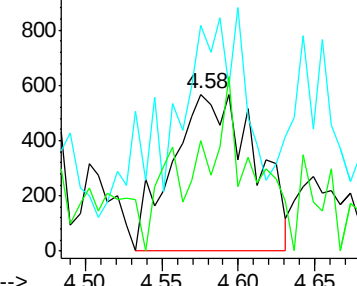
98 18.8 0.0 129.6

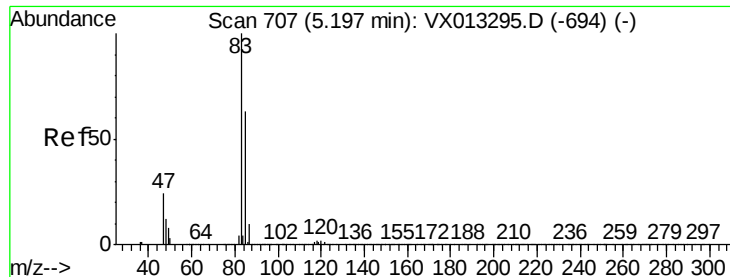


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

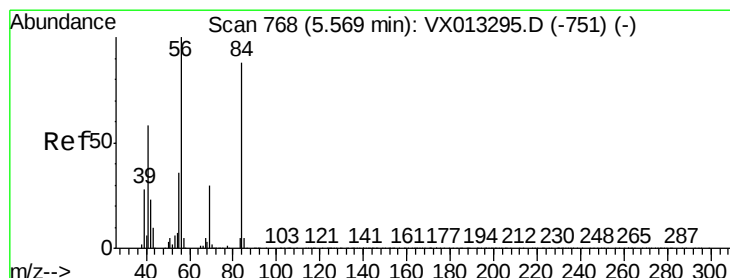
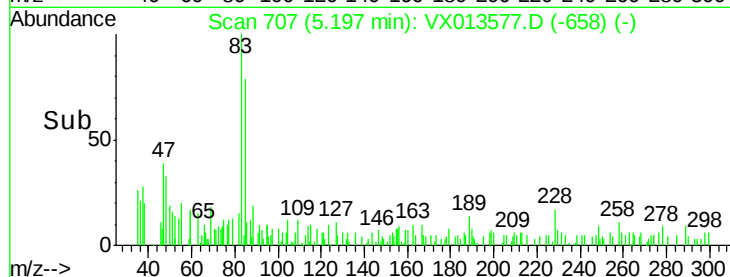
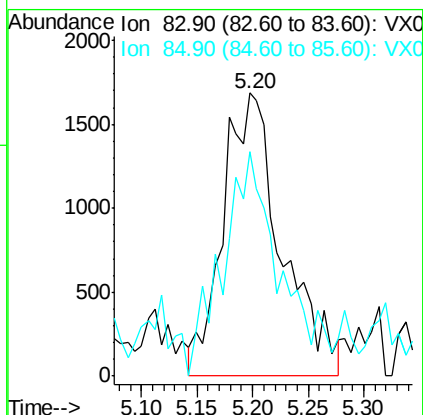
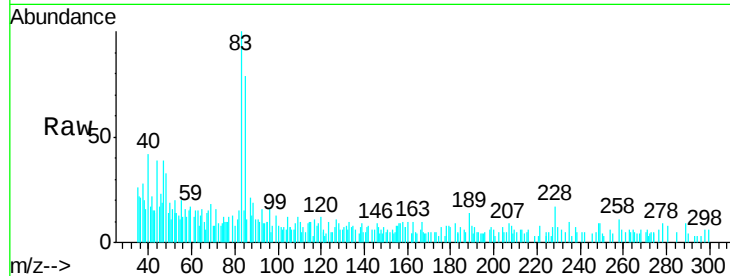




#30
Chloroform
Concen: 0.506 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013577.D
Acq: 25 Nov 2019 13:17

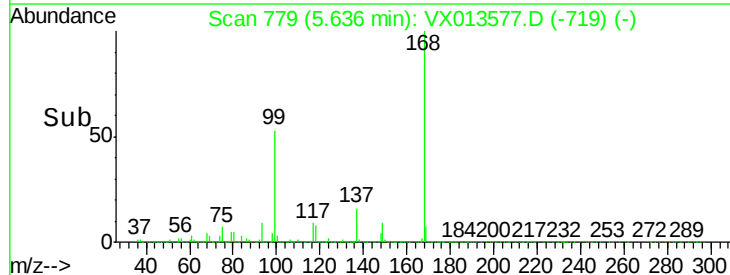
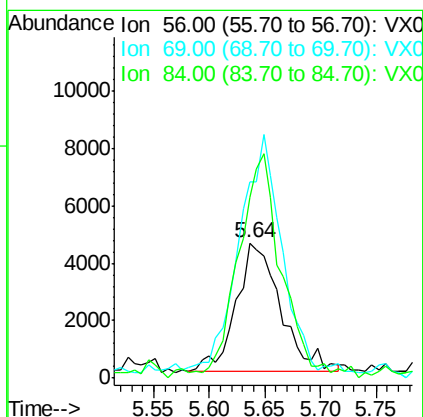
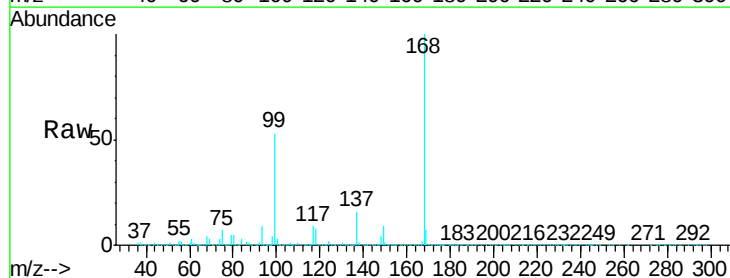
Instrument :
MSVOA_X
ClientSampleId :
VX1125MBL01

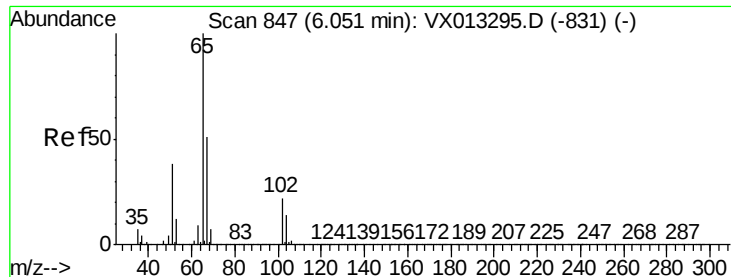
Tgt Ion: 83 Resp: 6180
Ion Ratio Lower Upper
83 100
85 74.3 50.2 75.4



#31
Cyclohexane
Concen: 1.125 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.07 min
Lab File: VX013577.D
Acq: 25 Nov 2019 13:17

Tgt Ion: 56 Resp: 12524
Ion Ratio Lower Upper
56 100
69 143.8 23.7 35.5#
84 133.2 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 50.497 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

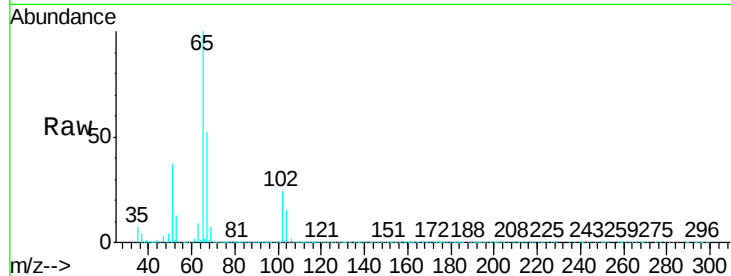
VX1125MBL01

Tgt Ion: 65 Resp: 411012

Ion Ratio Lower Upper

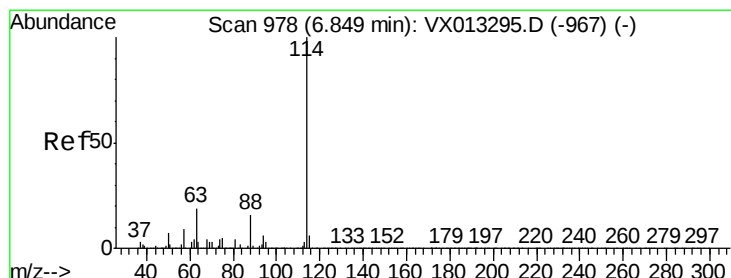
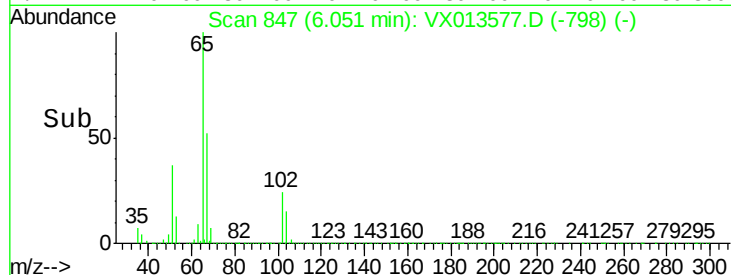
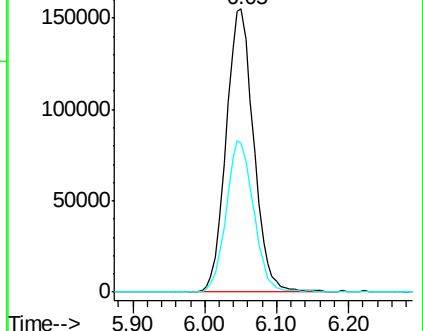
65 100

67 53.4 0.0 104.2



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: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

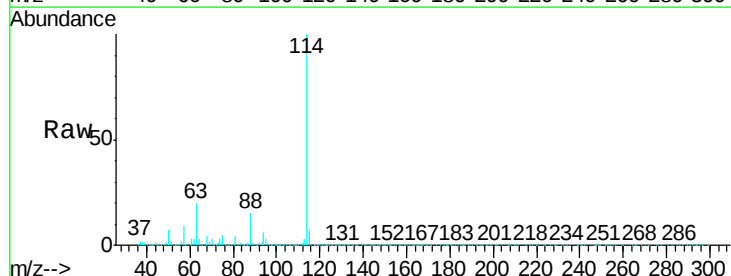
Tgt Ion: 114 Resp: 1128128

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

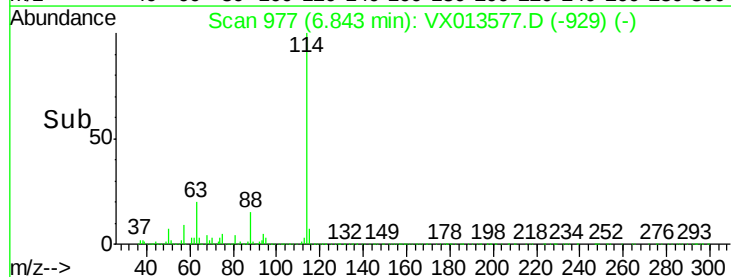
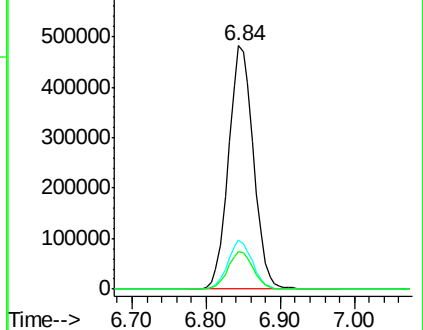
88 15.2 0.0 32.2

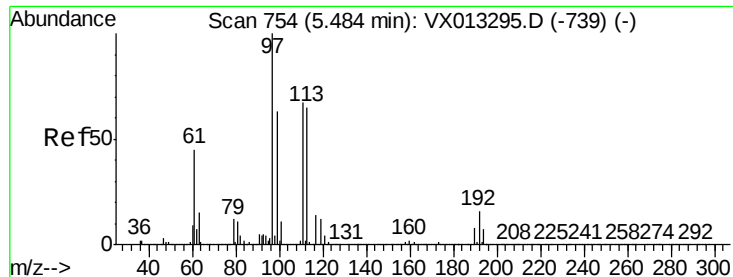


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.223 ug/l

RT: 5.48 min Scan# 754

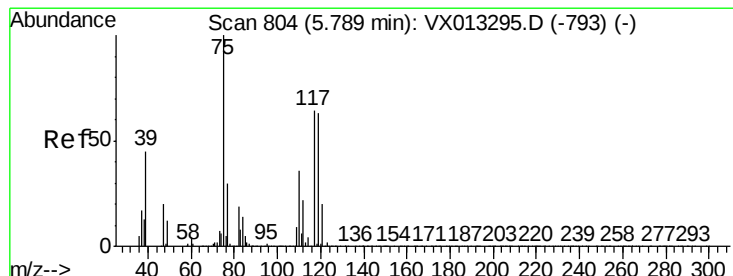
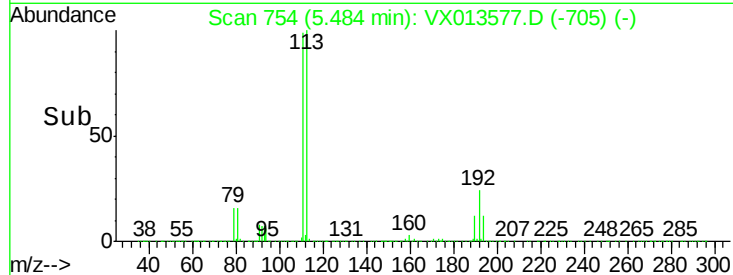
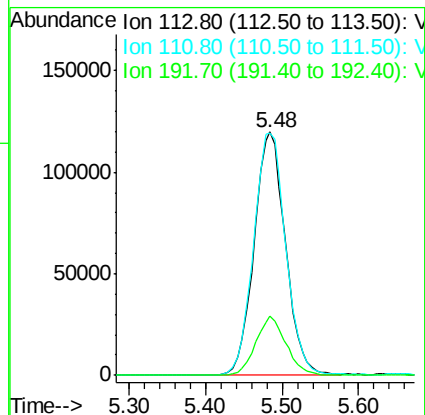
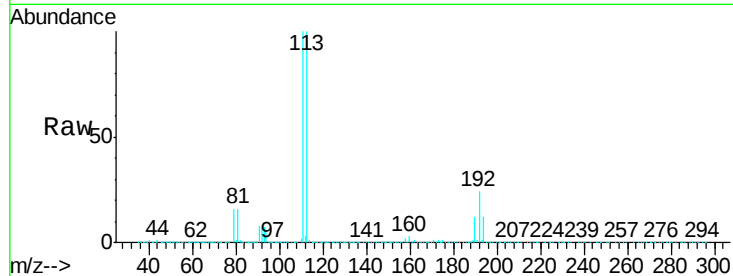
Delta R.T. 0.00 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :
MSVOA_X
ClientSampleId :
VX1125MBL01

Tgt Ion:	113	Resp:	341212
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	23.3	19.1	28.7



#36

1,1-Dichloropropene

Concen: 4.684 ug/l

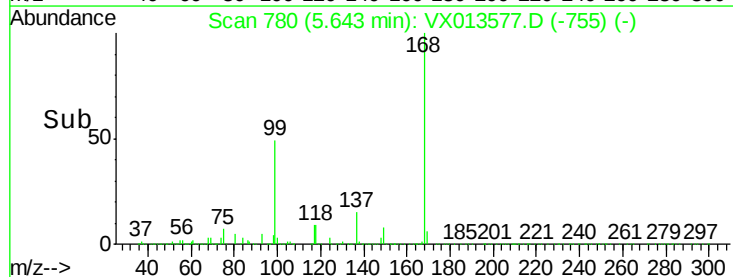
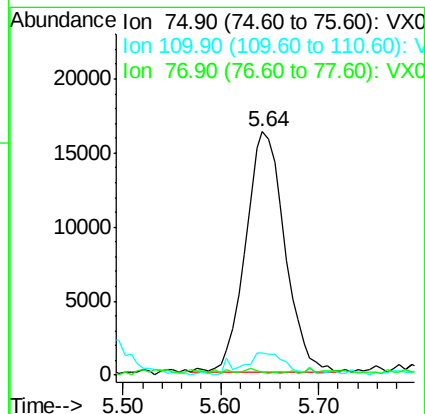
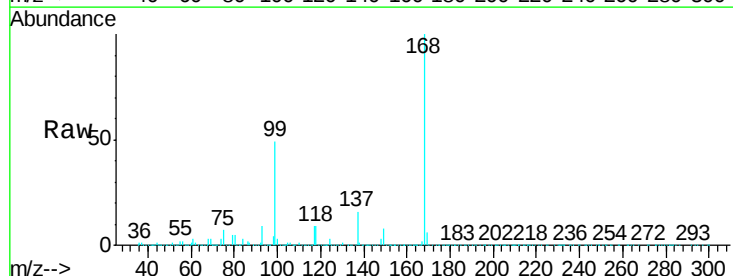
RT: 5.64 min Scan# 780

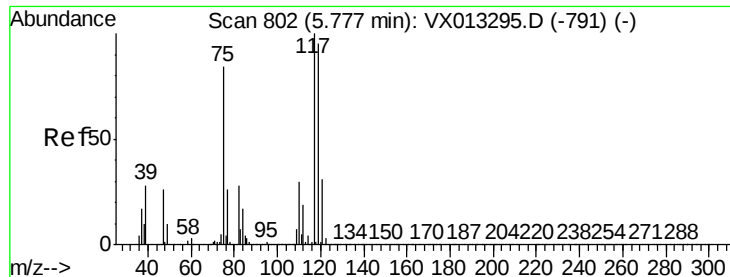
Delta R.T. -0.15 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Tgt Ion:	75	Resp:	45331
Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.1	54.1#
77	0.5	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.531 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

VX1125MBL01

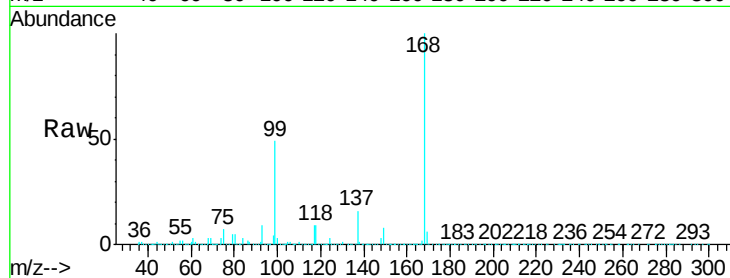
Tgt Ion:117 Resp: 61813

Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

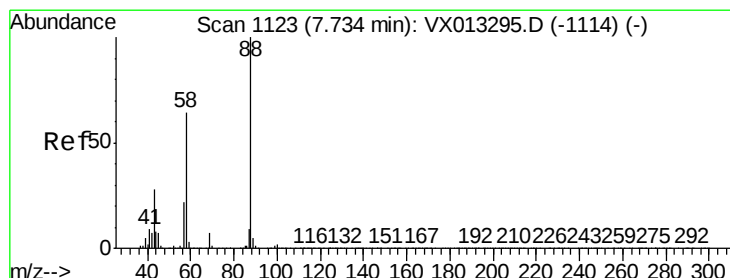
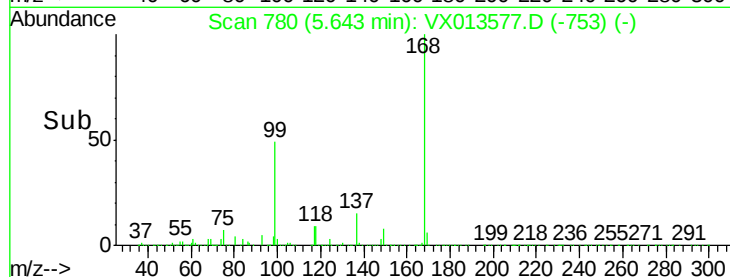
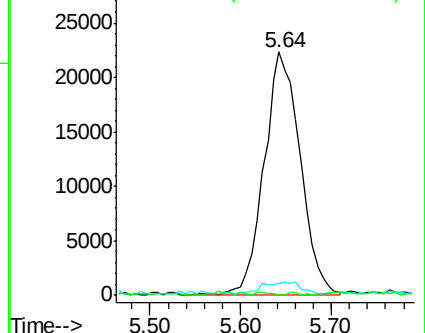
121 0.4 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 1.353 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

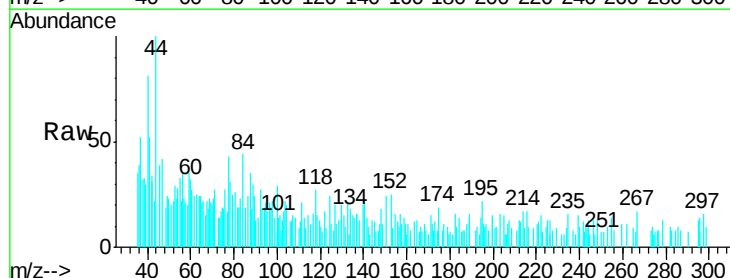
Tgt Ion: 88 Resp: 288

Ion Ratio Lower Upper

88 100

43 106.9 26.6 39.8#

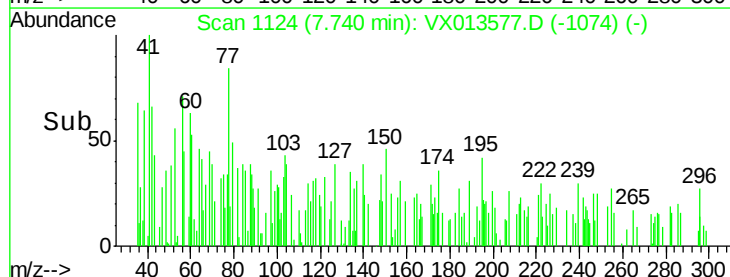
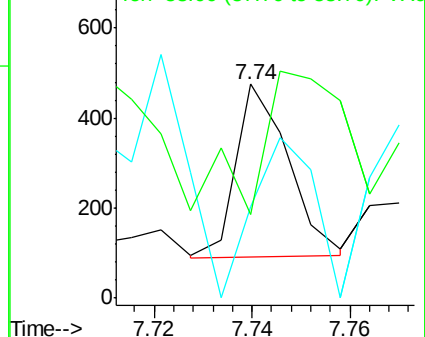
58 253.8 55.0 82.6#

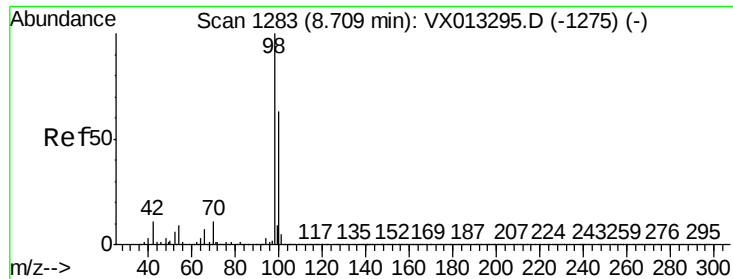


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.260 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

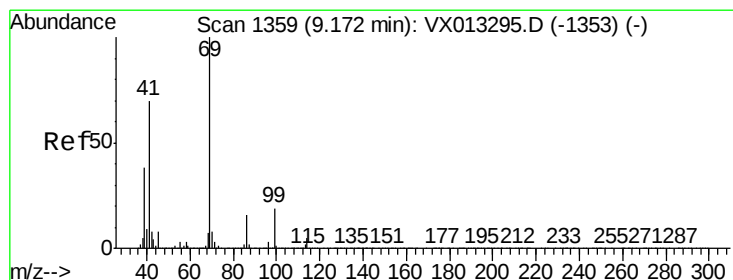
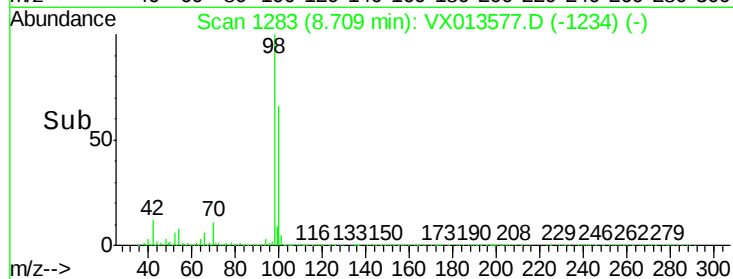
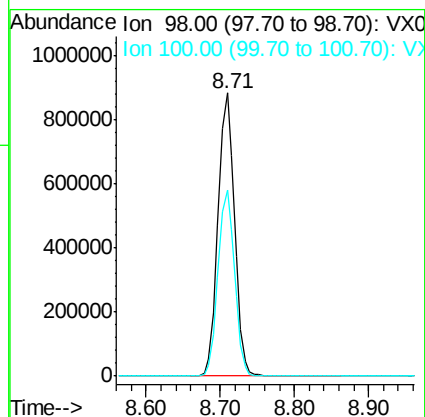
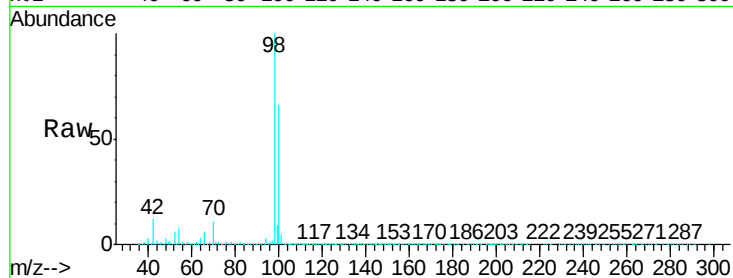
VX1125MBL01

Tgt Ion: 98 Resp: 1340681

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.579 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

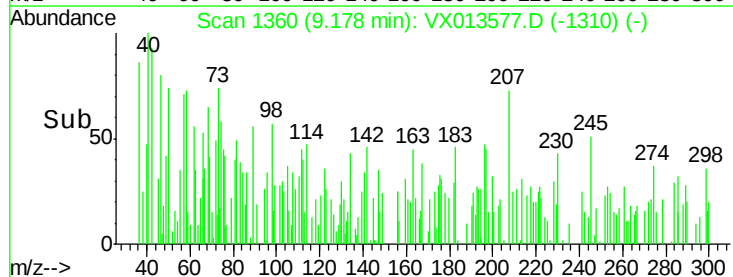
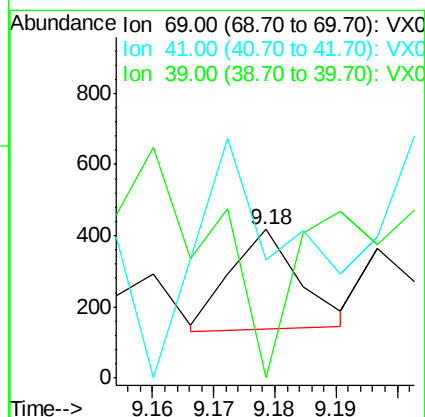
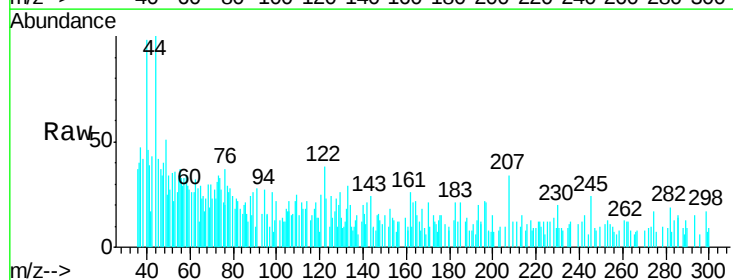
Tgt Ion: 69 Resp: 221

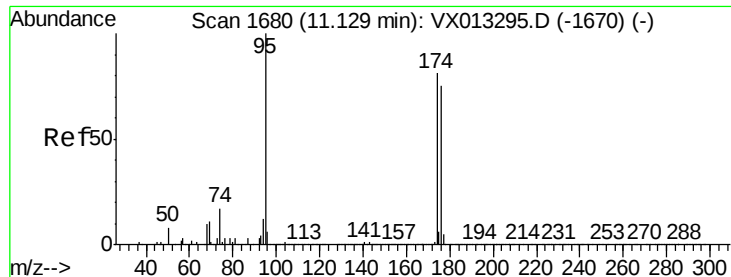
Ion Ratio Lower Upper

69 100

41 338.9 56.2 84.2#

39 206.8 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.177 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

VX1125MBL01

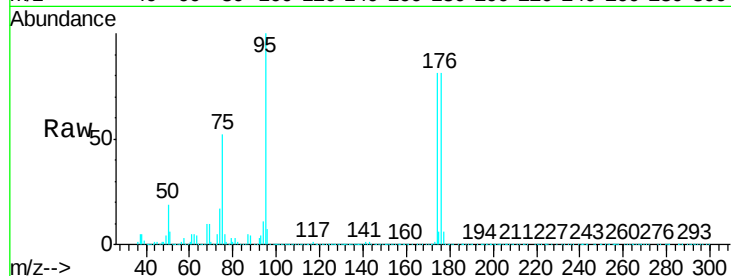
Tgt Ion: 95 Resp: 444548

Ion Ratio Lower Upper

95 100

174 89.1 0.0 179.8

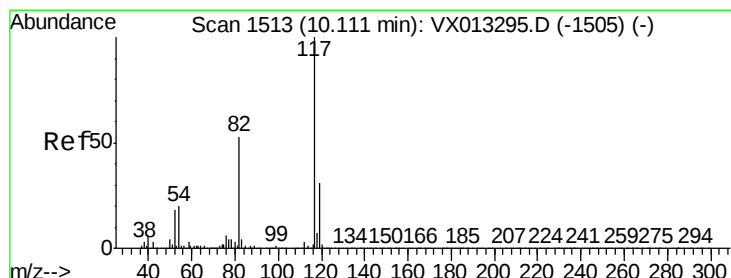
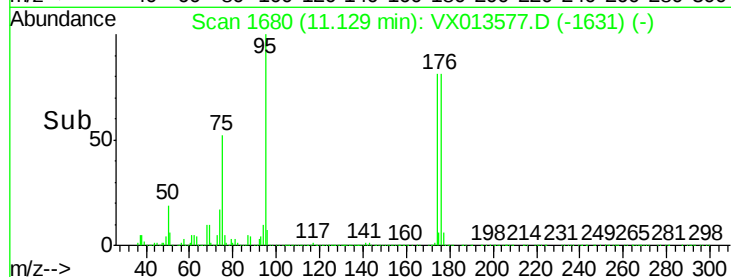
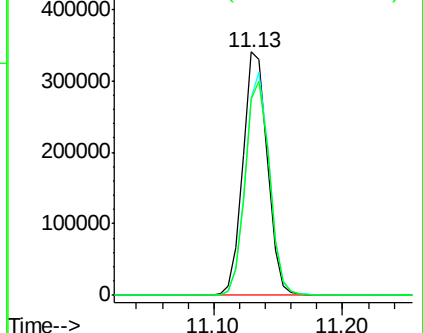
176 87.0 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

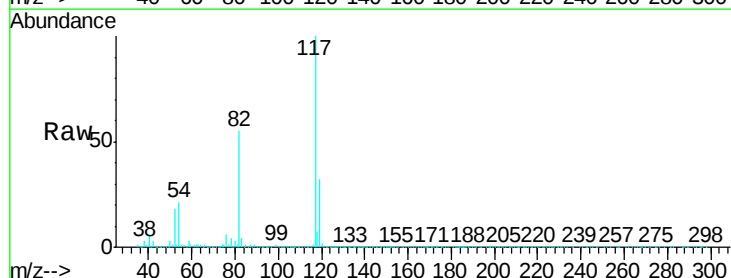
Tgt Ion: 117 Resp: 1002188

Ion Ratio Lower Upper

117 100

82 55.1 42.6 64.0

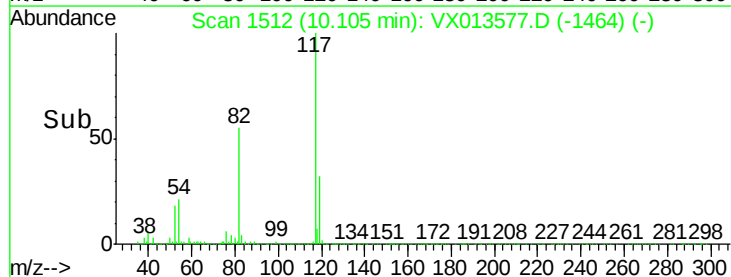
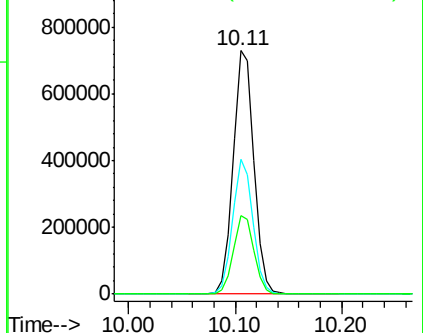
119 32.1 24.8 37.2

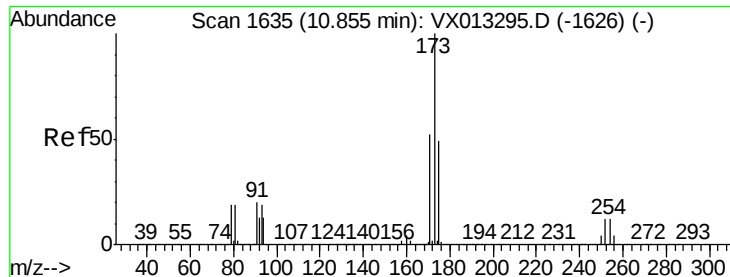


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 3.283 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013577.D

Acq: 25 Nov 2019 13:17

Instrument :

MSVOA_X

ClientSampled :

VX1125MBL01

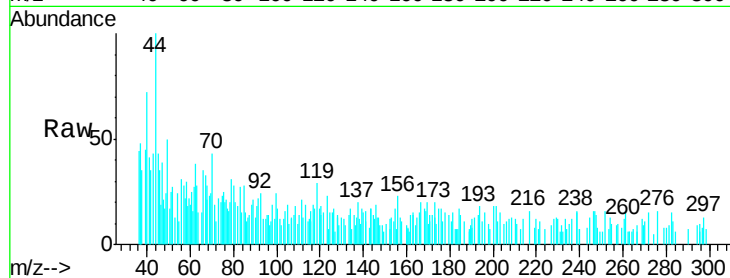
Tgt Ion:173 Resp: 597

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

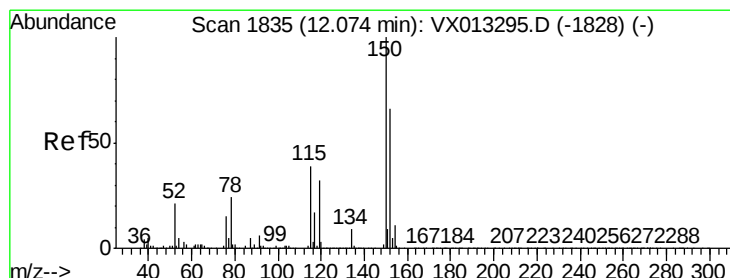
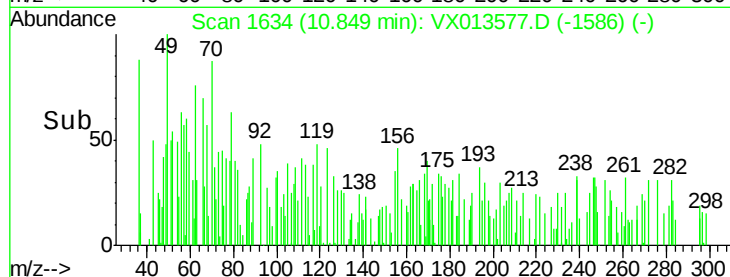
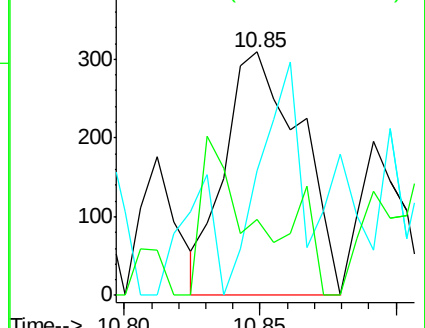
254 37.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX013577.D

Acq: 25 Nov 2019 13:17

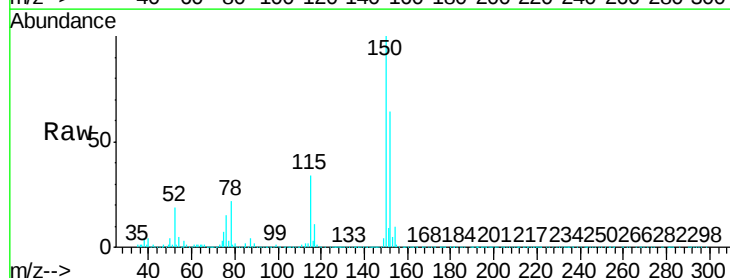
Tgt Ion:152 Resp: 447791

Ion Ratio Lower Upper

152 100

115 55.5 39.5 118.3

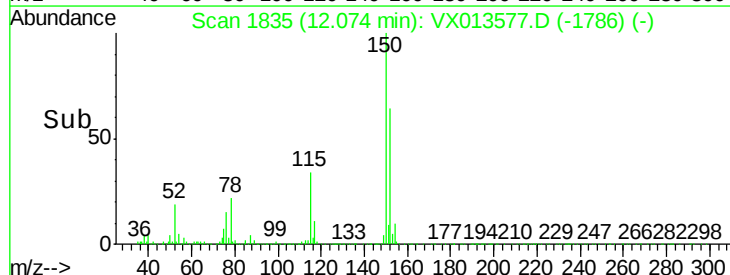
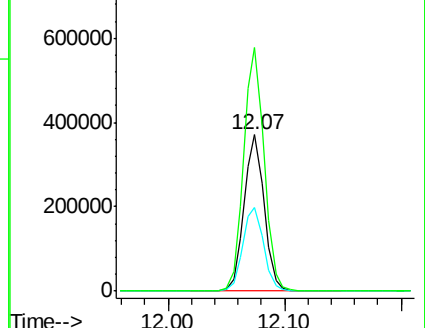
150 157.8 0.0 344.4

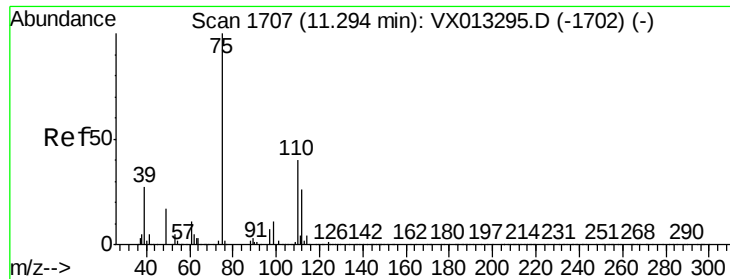


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

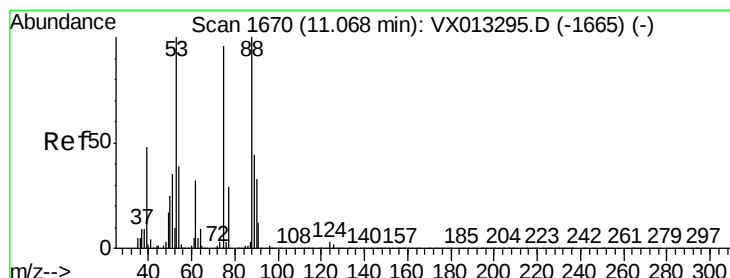
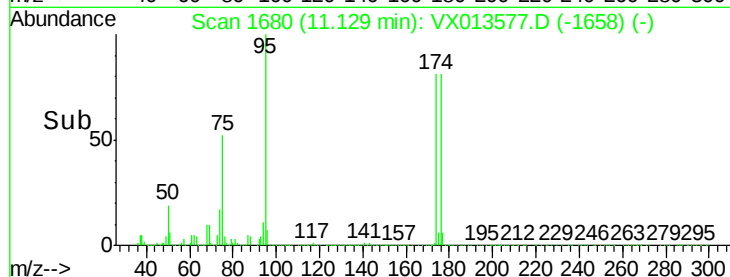
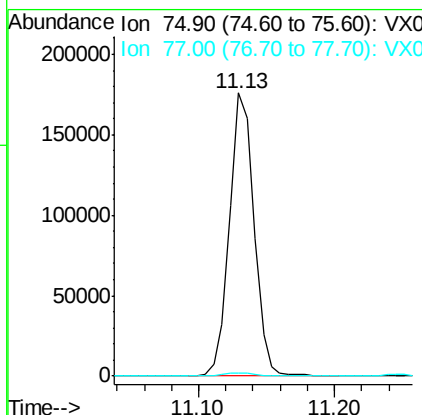
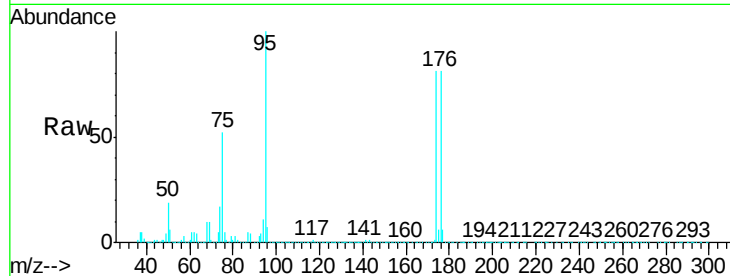




#76
 1,2,3-Trichloropropane
 Concen: 24.240 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013577.D
 Acq: 25 Nov 2019 13:17

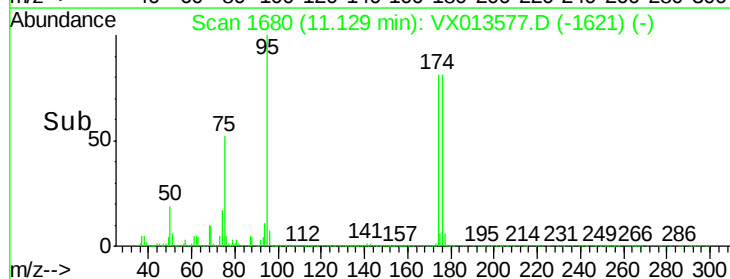
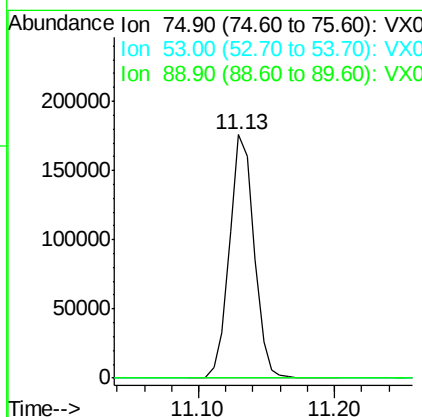
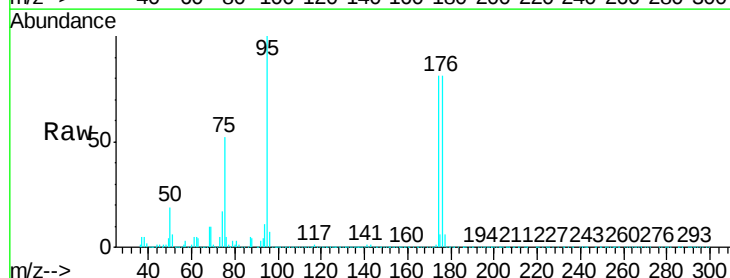
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125MBL01

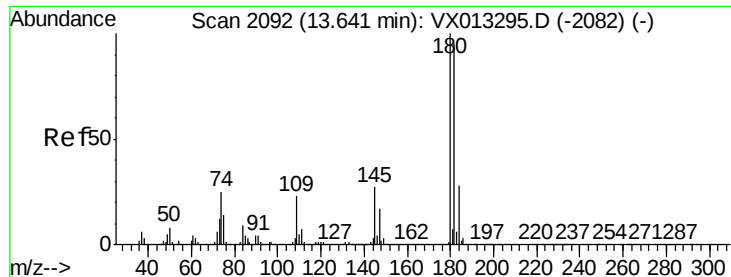
Tgt Ion: 75 Resp: 220466
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.393 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013577.D
 Acq: 25 Nov 2019 13:17

Tgt Ion: 75 Resp: 220466
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.1 36.0 54.0#

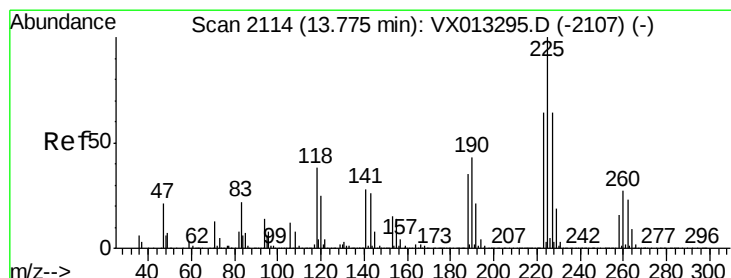
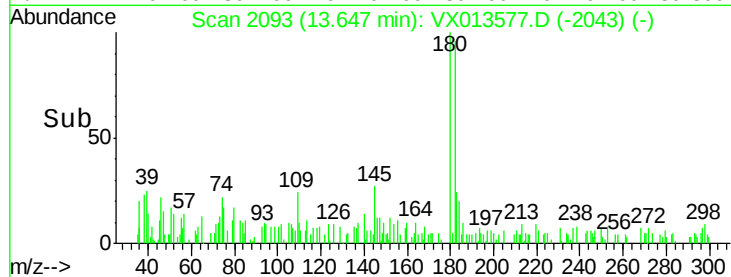
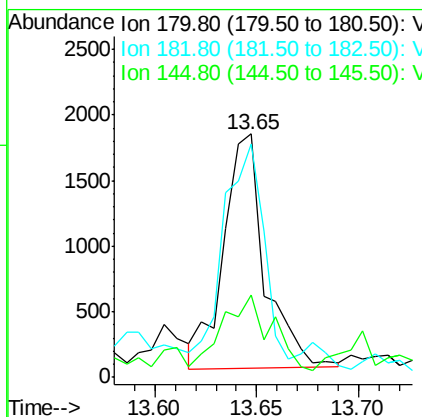
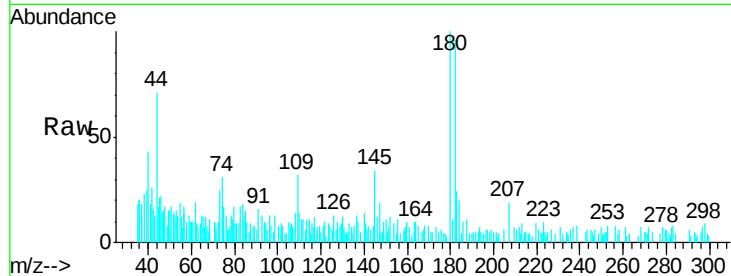




#93
 1,2,4-Trichlorobenzene
 Concen: 0.255 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX013577.D
 Acq: 25 Nov 2019 13:17

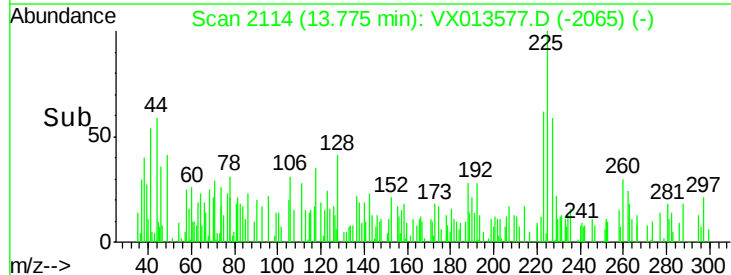
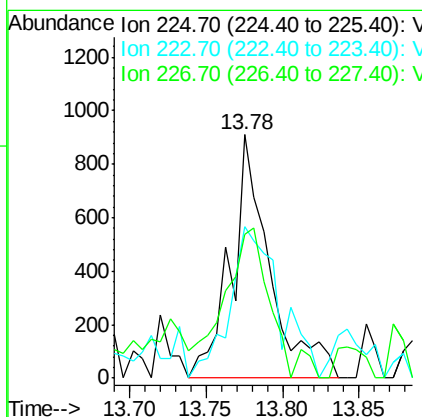
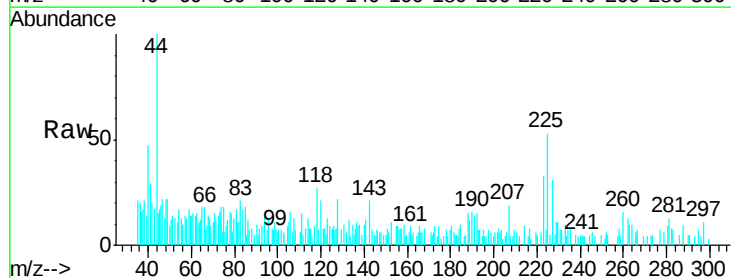
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125MBL01

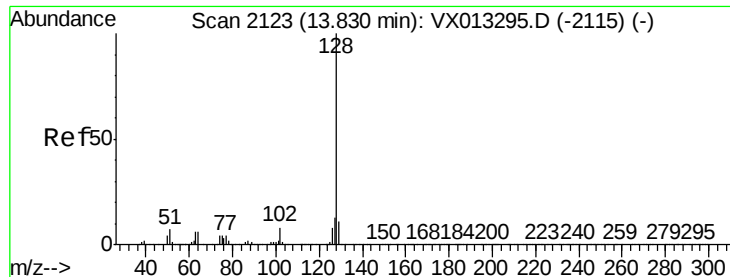
Tgt Ion:180 Resp: 2506
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.4 145.0
 145 45.5 14.1 42.4#



#94
 Hexachlorobutadiene
 Concen: 0.331 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013577.D
 Acq: 25 Nov 2019 13:17

Tgt Ion:225 Resp: 1595
 Ion Ratio Lower Upper
 225 100
 223 78.2 31.9 95.7
 227 70.8 31.9 95.9

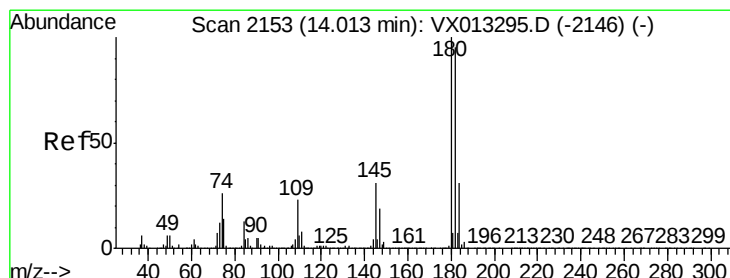
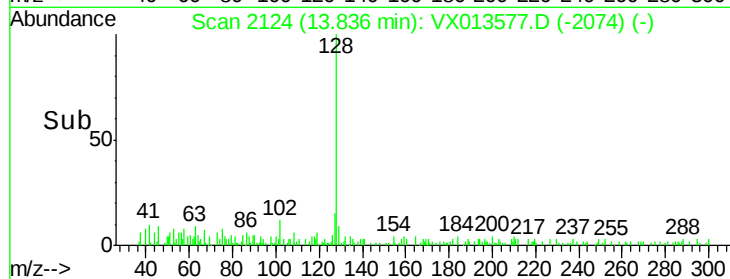
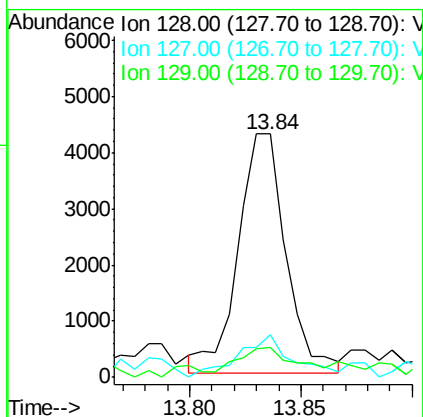
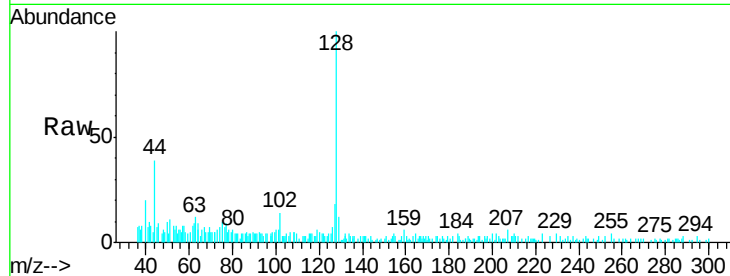




#95
Naphthalene
Concen: 0.208 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX013577.D
Acq: 25 Nov 2019 13:17

Instrument :
MSVOA_X
ClientSampleId :
VX1125MBL01

Tgt Ion:128 Resp: 6419
Ion Ratio Lower Upper
128 100
127 20.3 10.2 15.2#
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 0.286 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013577.D
Acq: 25 Nov 2019 13:17

Tgt Ion:180 Resp: 2822
Ion Ratio Lower Upper
180 100
182 92.8 48.0 144.2
145 32.4 15.4 46.4

