

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013618.D
 Acq On : 26 Nov 2019 23:36
 Operator : JC/SP
 Sample : K6027-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 03:46:15 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	685667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1087566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	975940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	450751	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	391484	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	5.49	113	325764	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.71	98	1295184	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.14	95	442479	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	

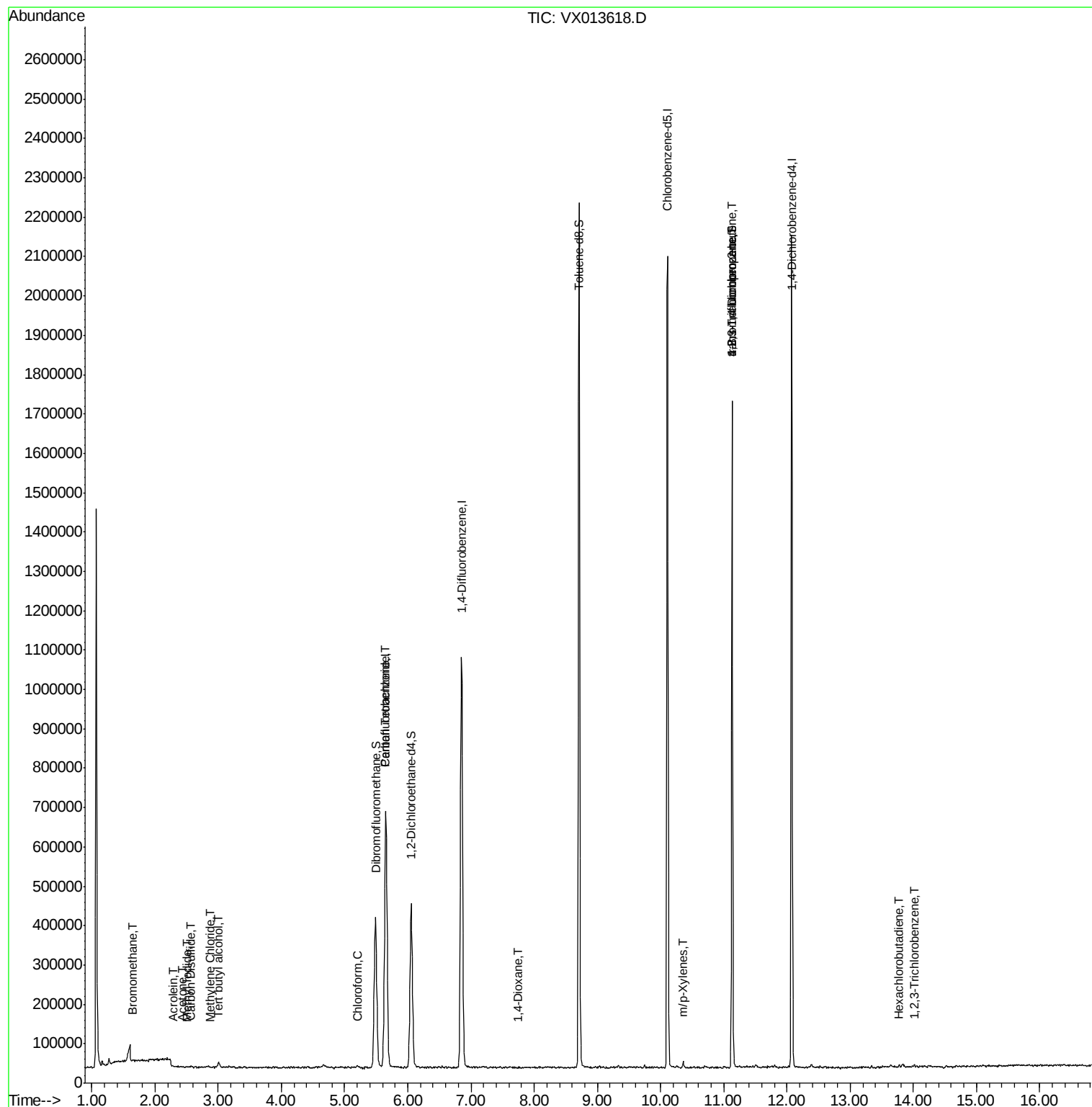
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2639	0.408	ug/l	92
10) Methyl Iodide	2.51	142	2905	0.367	ug/l #	71
11) Tert butyl alcohol	3.00	59	8462	4.307	ug/l #	81
13) Acrolein	2.28	56	126	6.097	ug/l #	1
16) Acetone	2.44	43	1199	0.305	ug/l #	63
17) Carbon Disulfide	2.56	76	6295	0.338	ug/l #	91
20) Methylene Chloride	2.86	84	1654	0.219	ug/l #	27
30) Chloroform	5.20	83	3973	0.314	ug/l	97
38) Carbon Tetrachloride	5.65	117	59754	6.564	ug/l #	16
49) 1,4-Dioxane	7.74	88	423	2.133	ug/l #	90
68) m/p-Xylenes	10.35	106	3851	0.289	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	213118	21.021	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	213118	57.511	ug/l #	11
94) Hexachlorobutadiene	13.77	225	1286	0.261	ug/l	84
96) 1,2,3-Trichlorobenzene	14.02	180	2113	0.208	ug/l	88

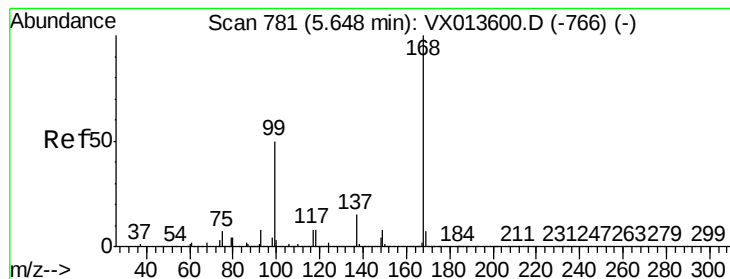
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 781

Delta R.T. -0.00 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

Instrument :

MSVOA_X

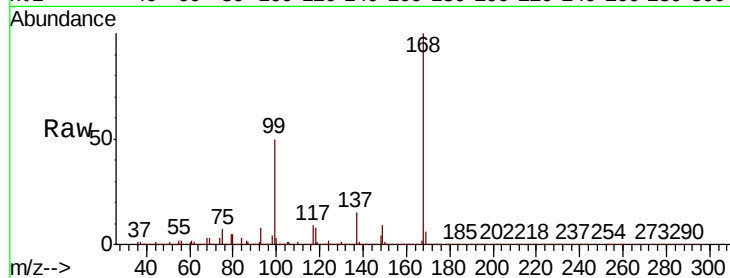
ClientSampleId :

Tot Ion:168 Resp: 685667

Ion Ratio Lower Upper

168 100

99 49.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

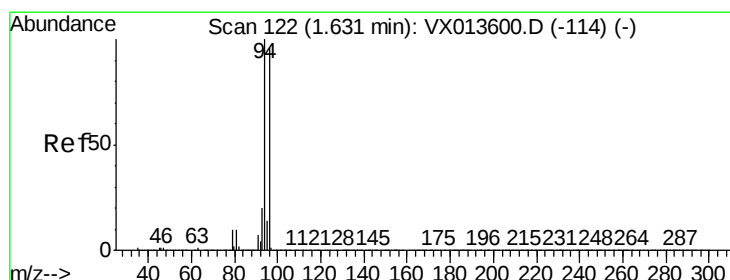
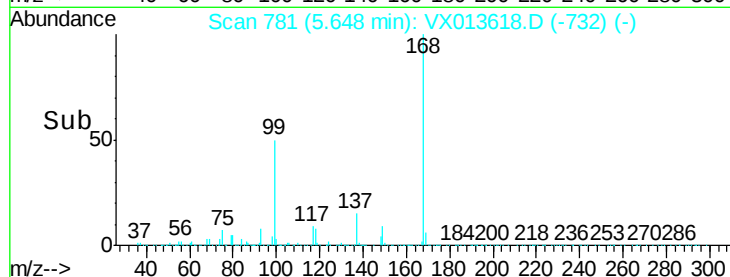
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.408 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013618.D

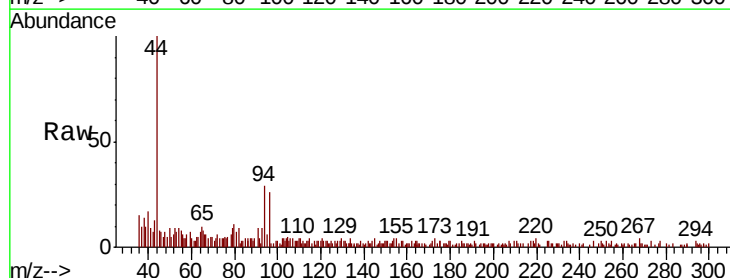
Acq: 26 Nov 2019 23:36

Tgt Ion: 94 Resp: 2639

Ion Ratio Lower Upper

94 100

96 88.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

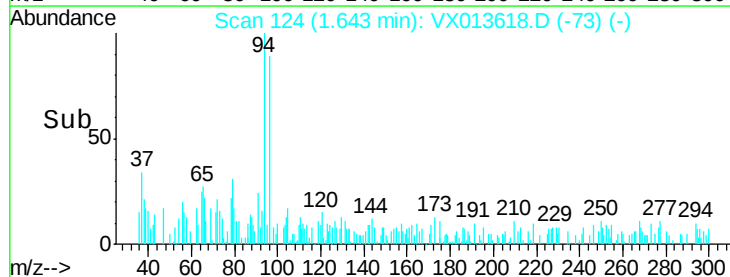
1000

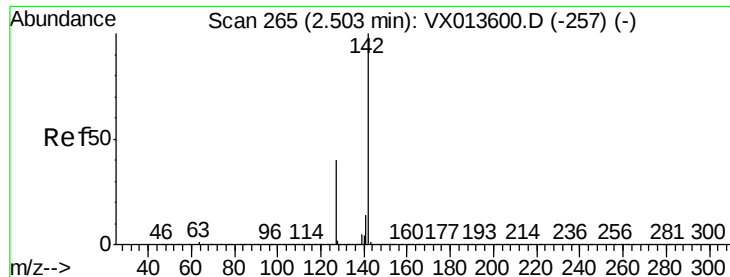
500

0

Time-->

1.60 1.65 1.70

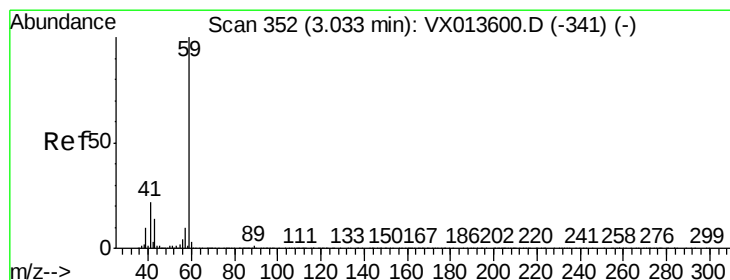
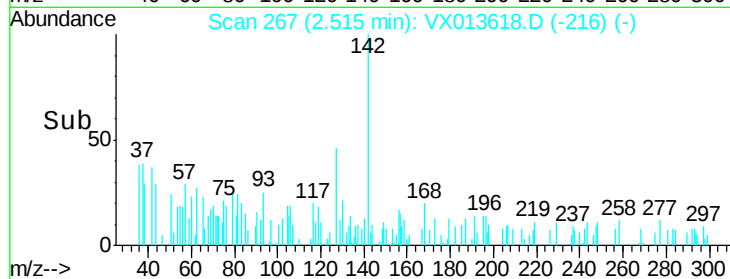
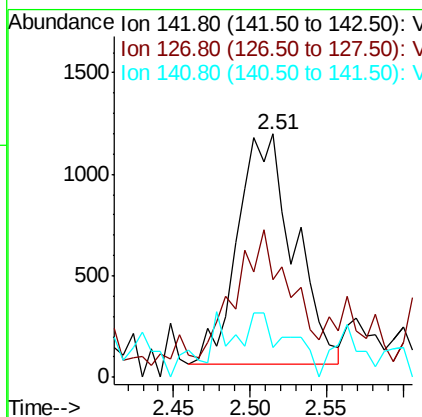
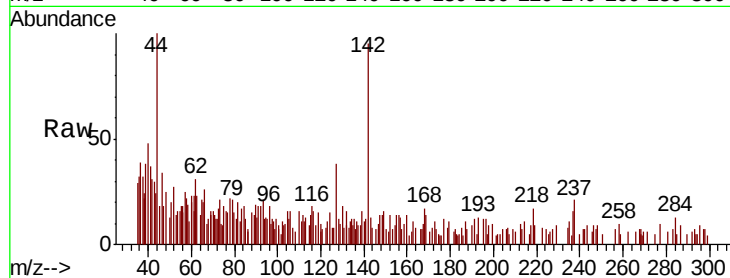




#10
Methvl Iodide
Concen: 0.367 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

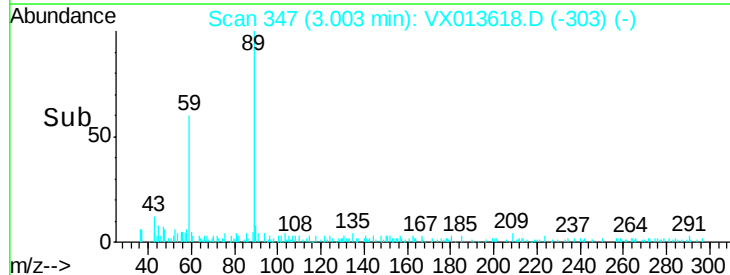
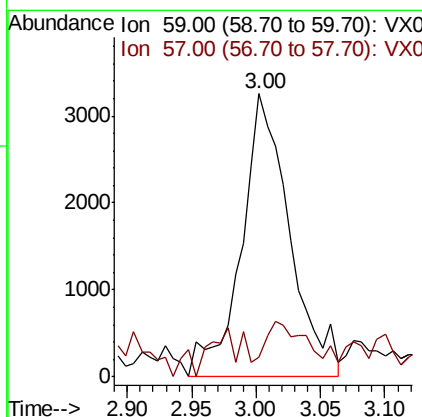
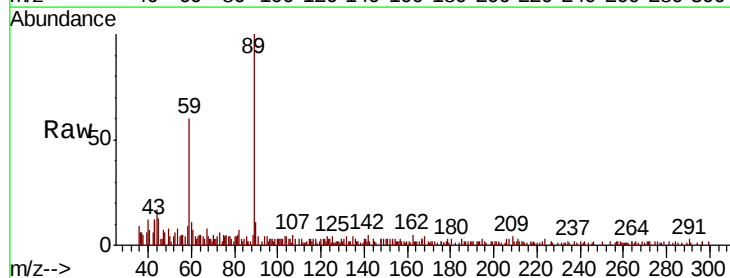
Instrument :
MSVOA_X
ClientSampleId :

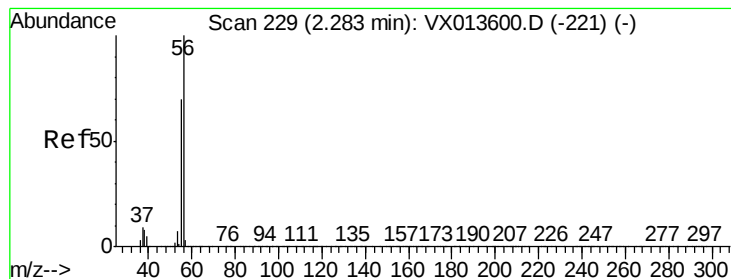
Tot Ion:142 Resp: 2905
Ion Ratio Lower Upper
142 100
127 59.2 31.0 46.4#
141 7.6 11.6 17.4#



#11
Tert butyl alcohol
Concen: 4.307 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.03 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

Tgt Ion: 59 Resp: 8462
Ion Ratio Lower Upper
59 100
57 16.6 7.8 11.6#





#13

Acrolein

Concen: 6.097 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

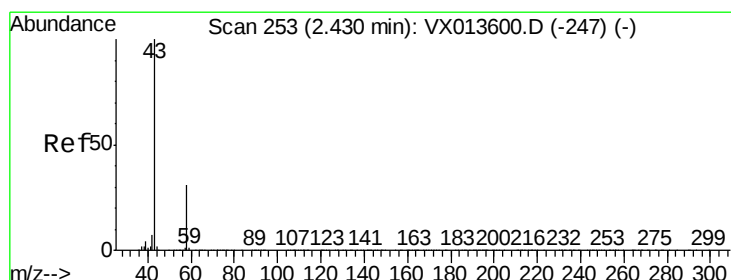
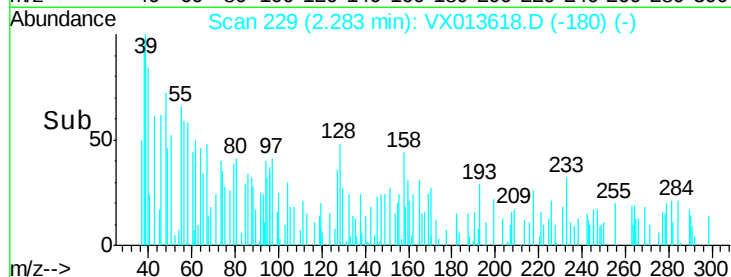
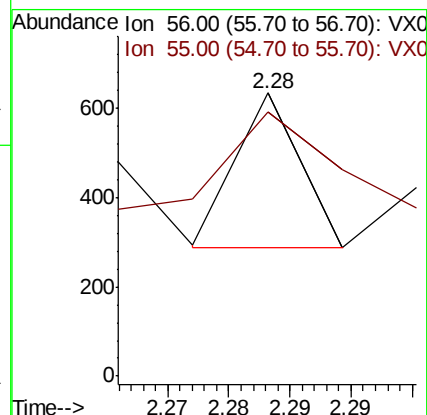
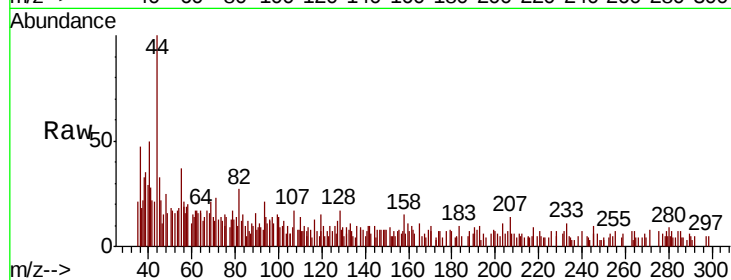
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 126

Ion Ratio Lower Upper

56 100

55 257.1 56.2 84.4#



#16

Acetone

Concen: 0.305 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013618.D

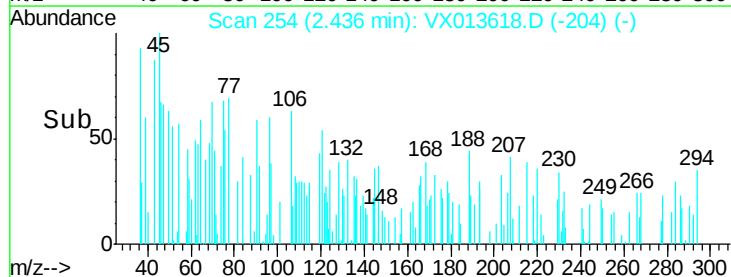
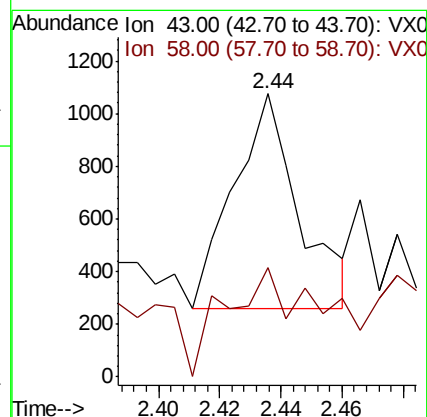
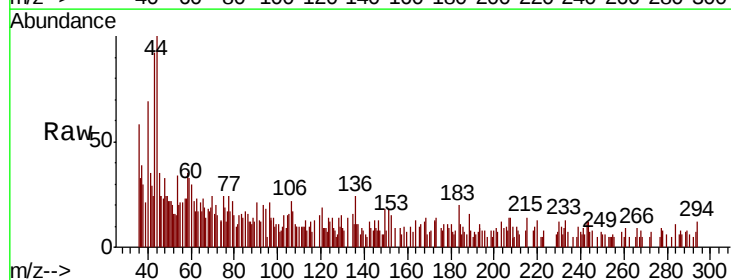
Acq: 26 Nov 2019 23:36

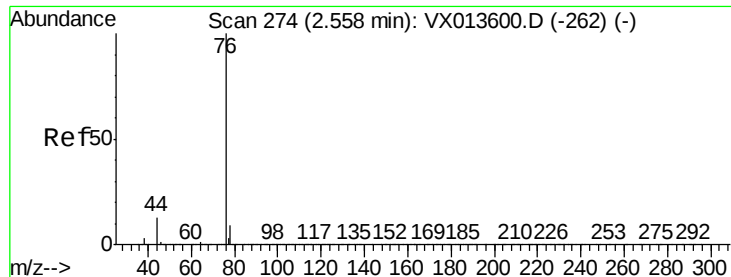
Tgt Ion: 43 Resp: 1199

Ion Ratio Lower Upper

43 100

58 51.0 24.6 36.8#





#17

Carbon Disulfide

Concen: 0.338 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

Instrument :

MSVOA_X

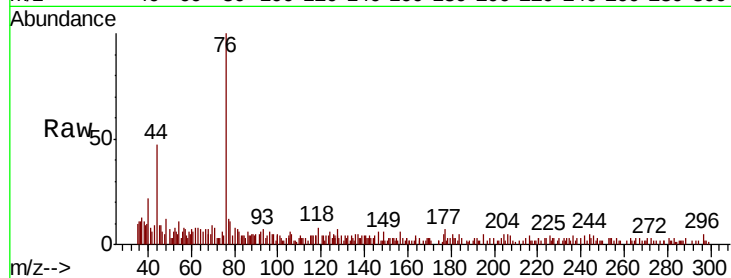
ClientSampleId :

Tot Ion: 76 Resp: 6295

Ion Ratio Lower Upper

76 100

78 5.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

4000

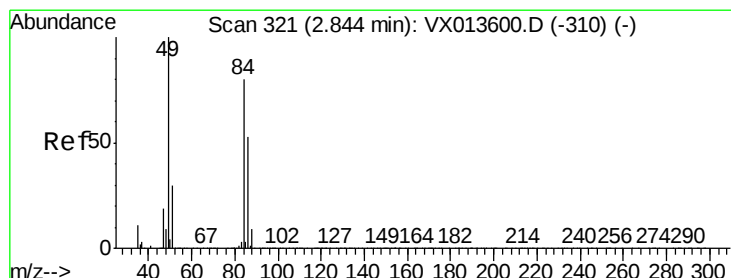
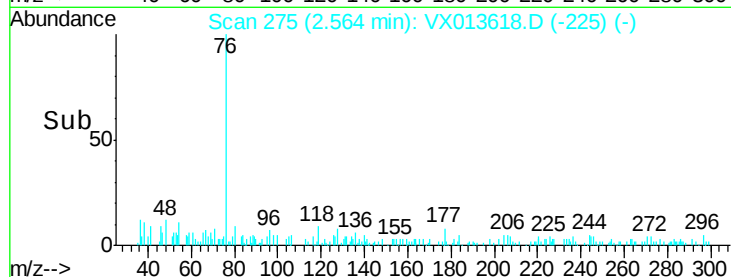
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: 0.219 ug/l

RT: 2.86 min Scan# 324

Delta R.T. 0.02 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

Tgt Ion: 84 Resp: 1654

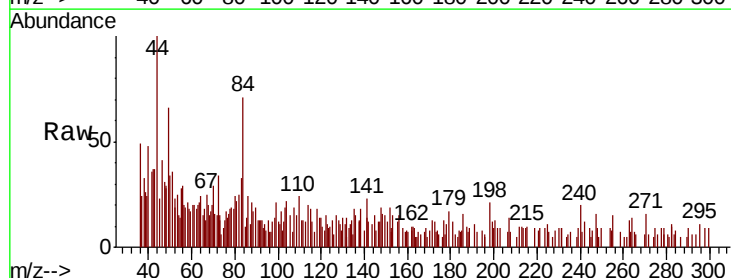
Ion Ratio Lower Upper

84 100

49 31.9 99.7 149.5#

51 8.7 29.9 44.9#

86 9.0 52.2 78.4#



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

2000

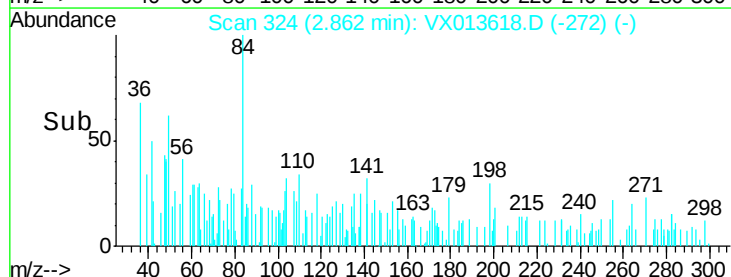
1500

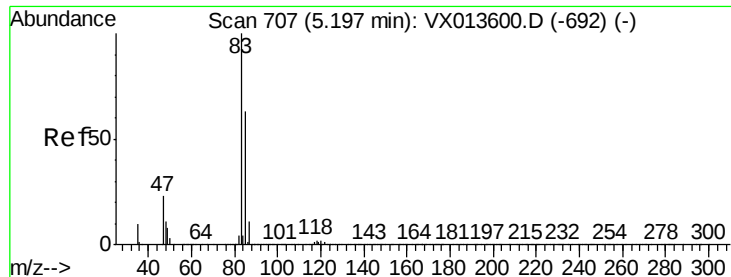
1000

500

0

Time-->

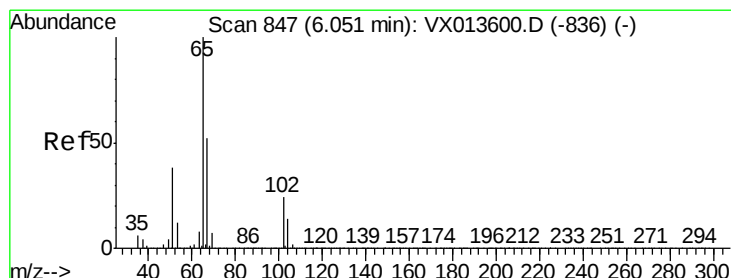
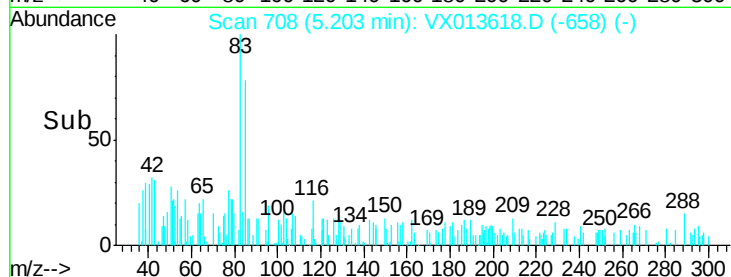
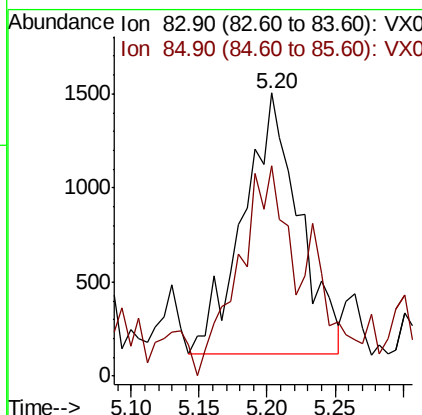
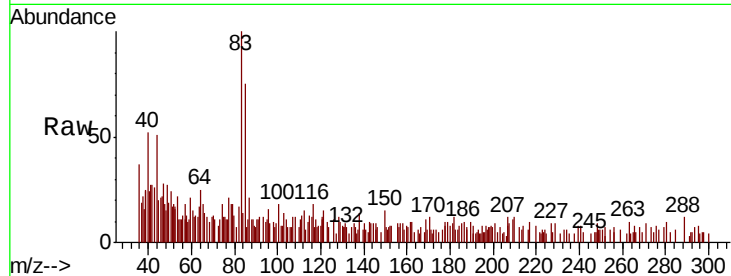




#30
Chloroform
Concen: 0.314 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

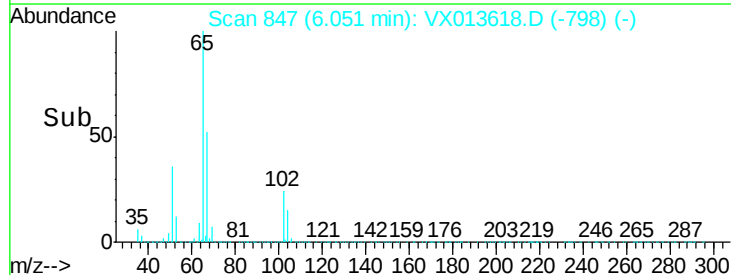
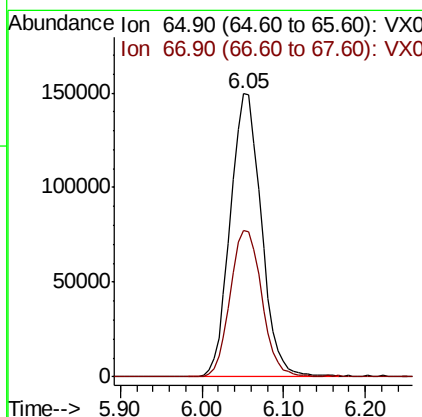
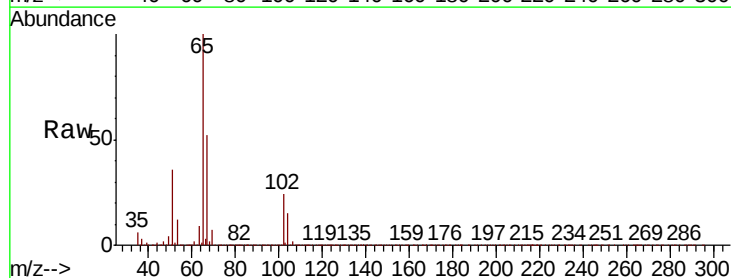
Instrument :
MSVOA_X
ClientSampleId :

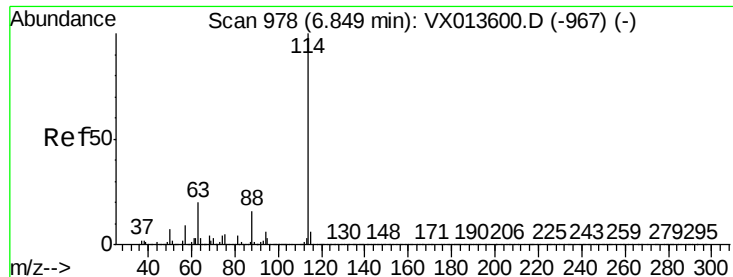
Tot Ion: 83 Resp: 3973
Ion Ratio Lower Upper
83 100
85 60.2 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 49.187 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

Tgt Ion: 65 Resp: 391484
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

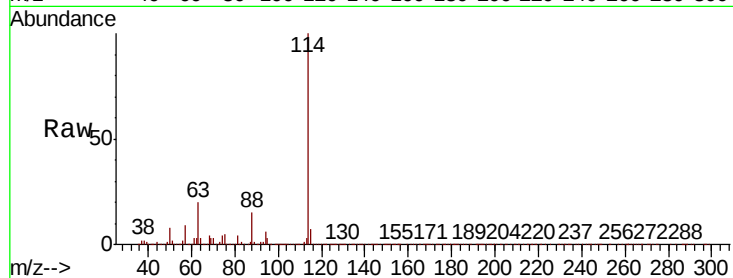
Tot Ion:114 Resp: 1087566

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

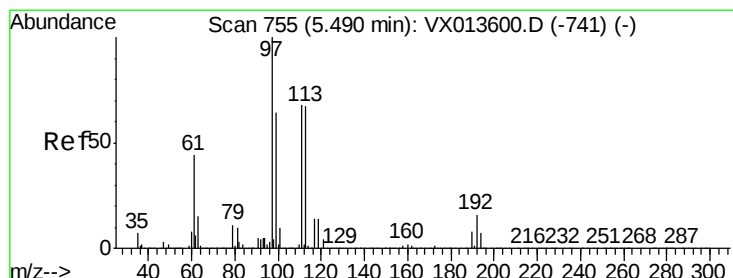
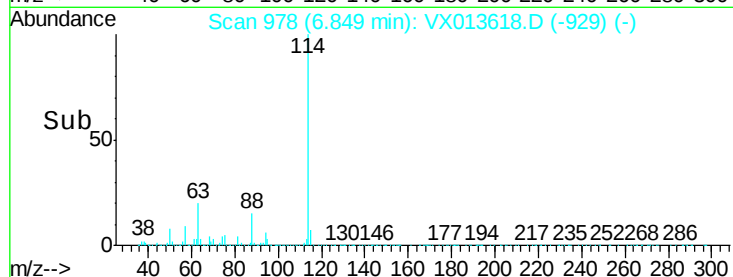
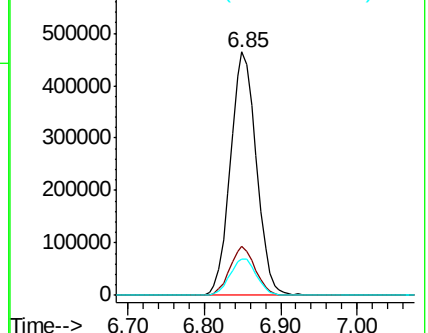
88 15.0 0.0 31.4



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: 48.452 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

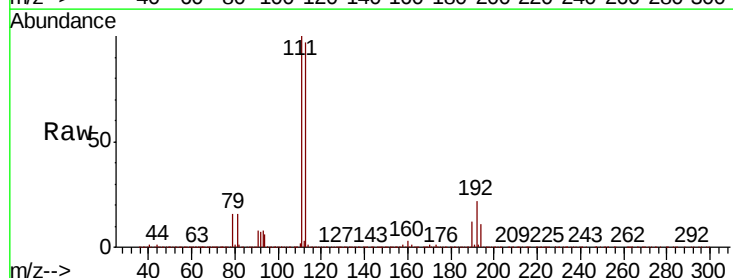
Tgt Ion:113 Resp: 325764

Ion Ratio Lower Upper

113 100

111 103.7 83.6 125.4

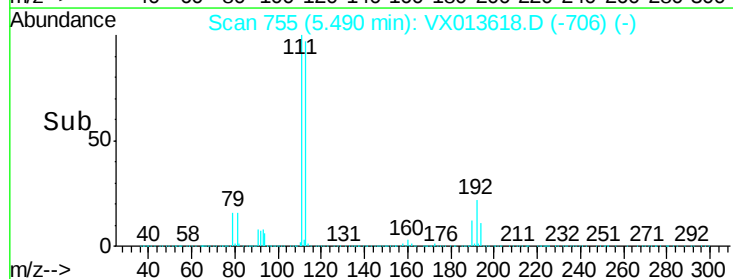
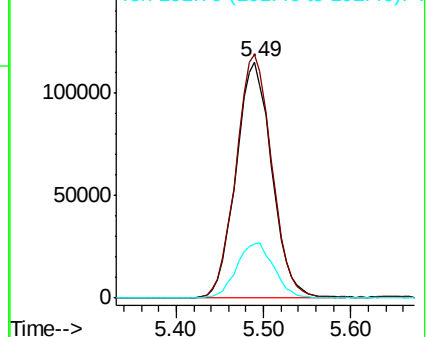
192 24.4 19.2 28.8

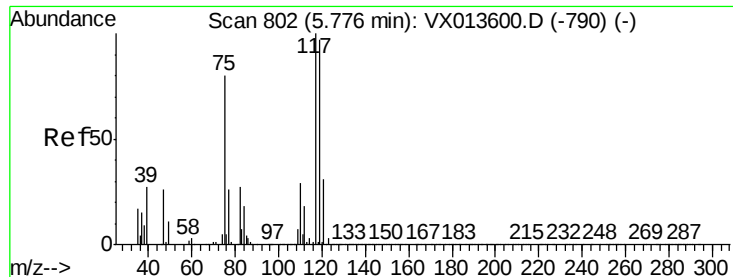


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.564 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

Instrument :

MSVOA_X

ClientSampled :

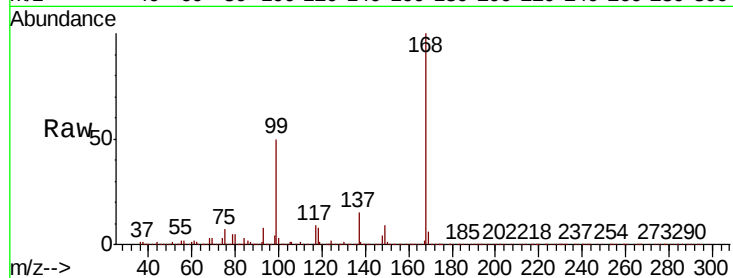
Tot Ion:117 Resp: 59754

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

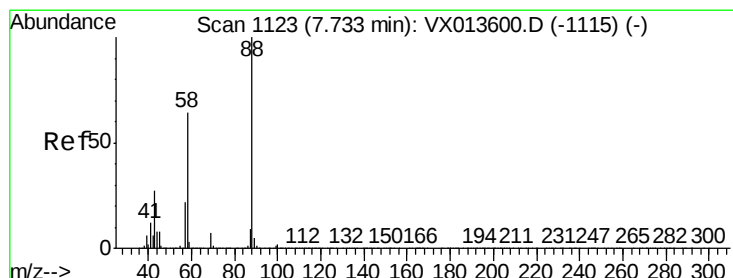
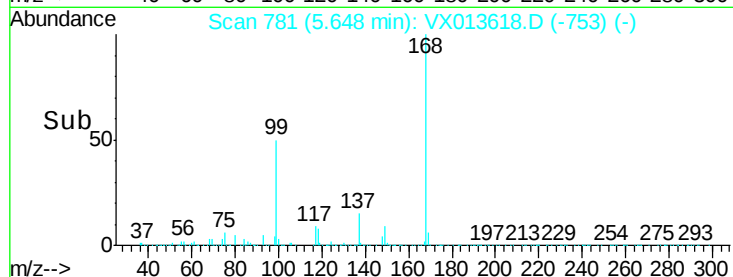
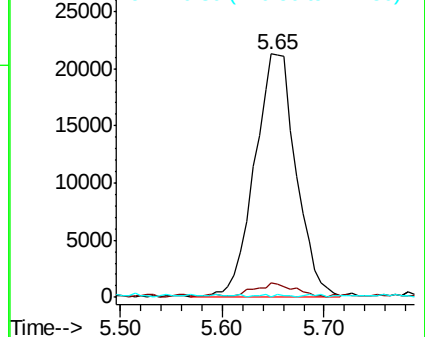
121 0.0 25.0 37.6#



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: 2.133 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

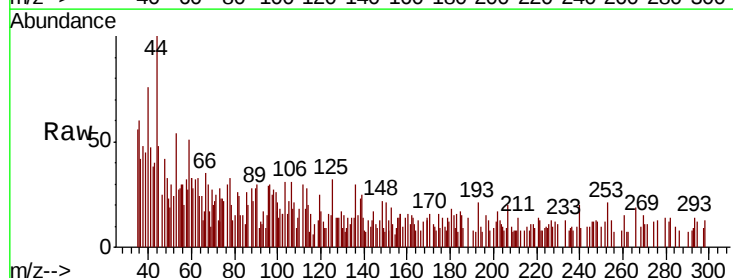
Tgt Ion: 88 Resp: 423

Ion Ratio Lower Upper

88 100

43 39.0 25.8 38.6#

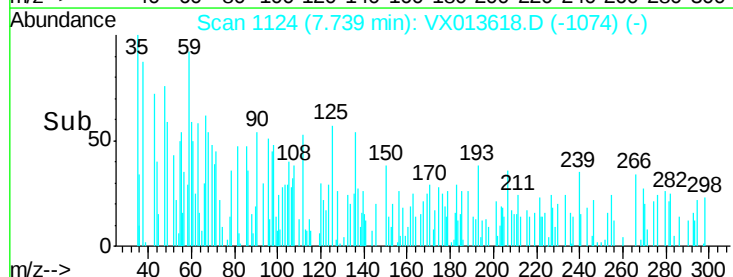
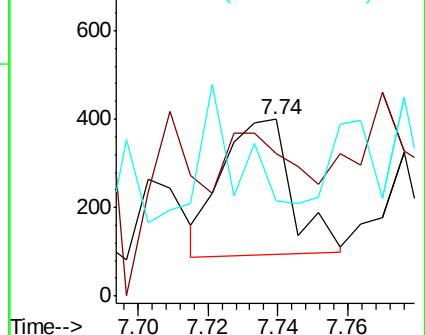
58 61.2 54.6 82.0

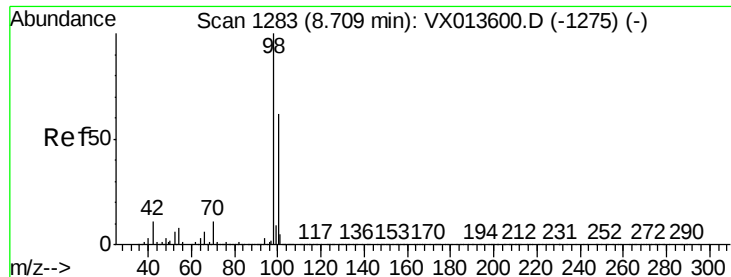


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

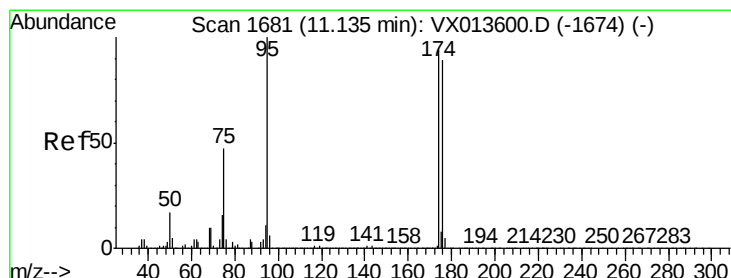
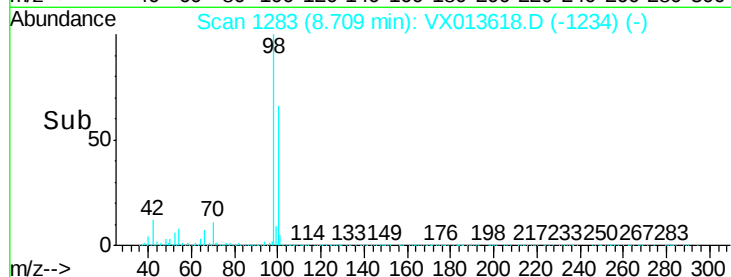
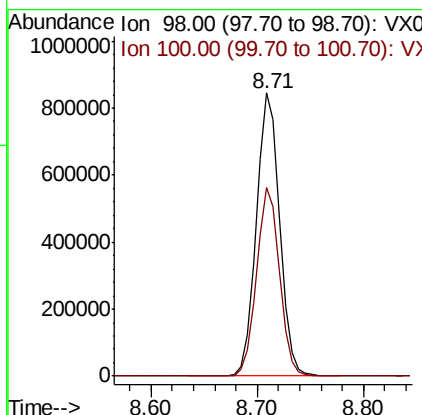
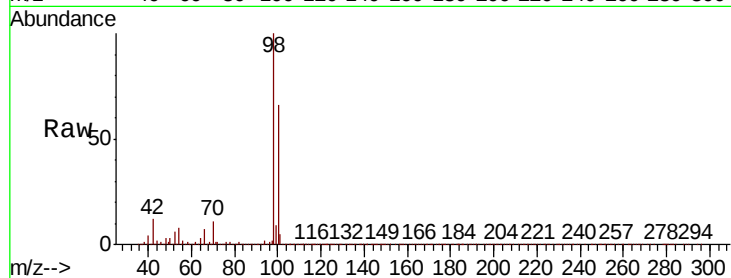




#50
Toluene-d8
Concen: 49.443 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

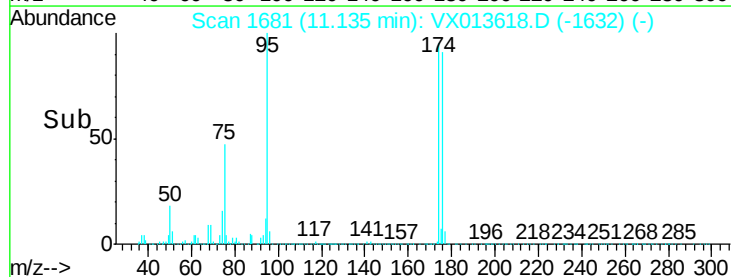
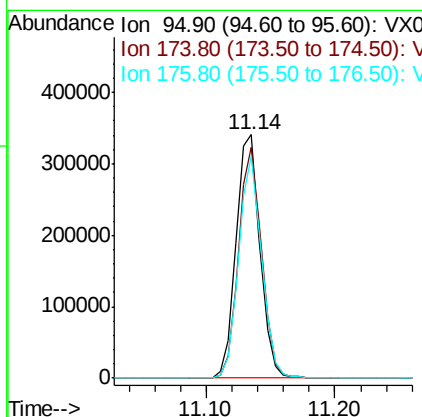
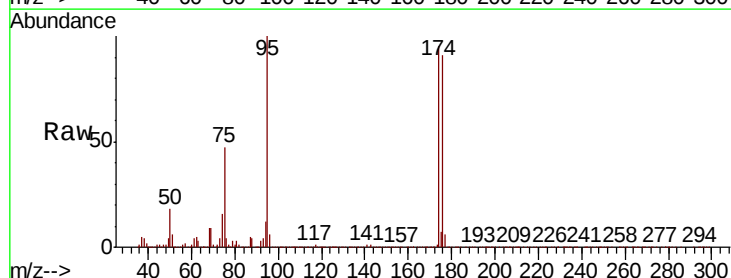
Instrument :
MSVOA_X
ClientSampleId :

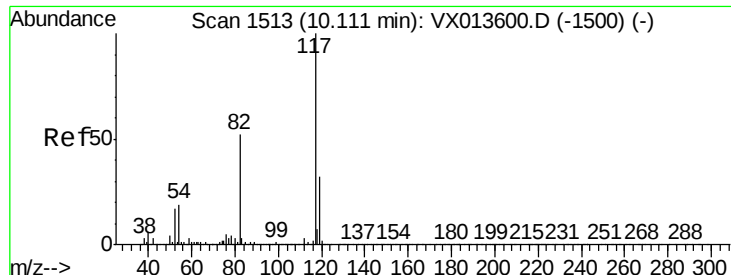
Tot Ion: 98 Resp: 1295184
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 46.842 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

Tgt Ion: 95 Resp: 442479
Ion Ratio Lower Upper
95 100
174 90.6 0.0 180.0
176 87.0 0.0 173.6

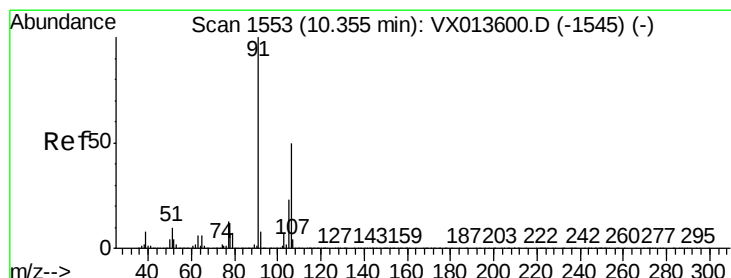
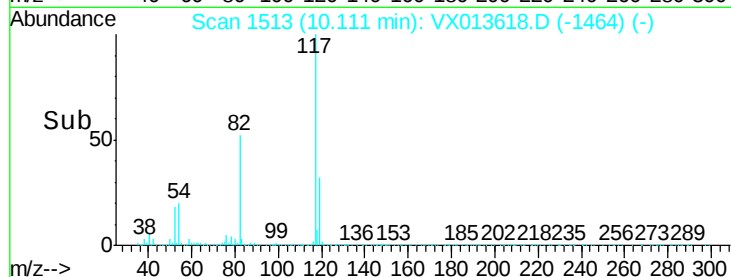
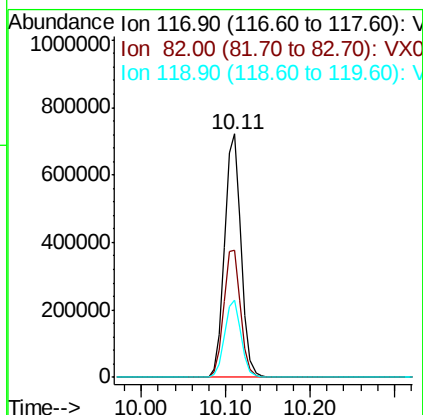
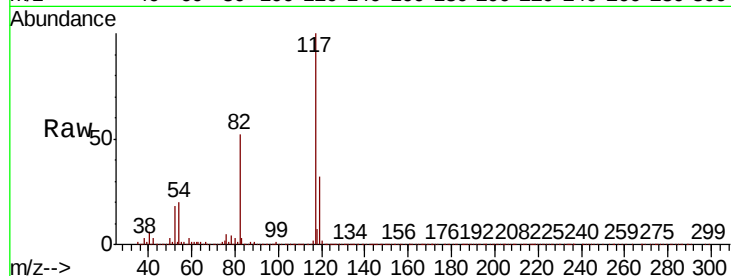




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

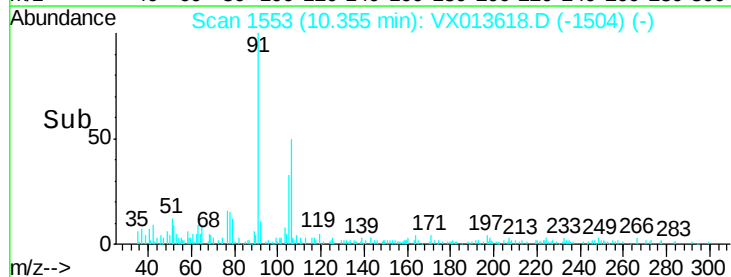
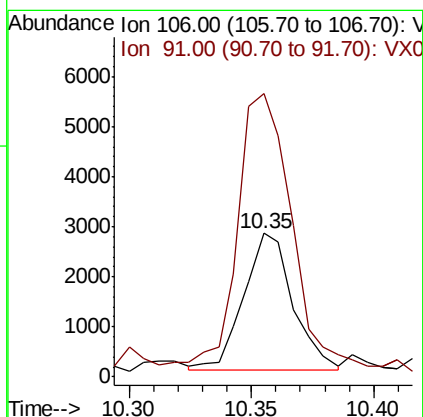
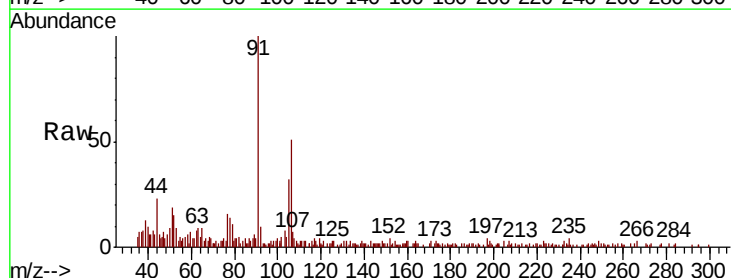
Instrument :
MSVOA_X
ClientSampleId :

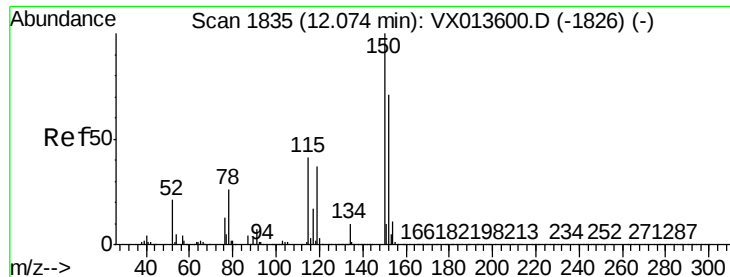
Tot Ion:117 Resp: 975940
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 31.7 25.8 38.8



#68
m/p-Xylenes
Concen: 0.289 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

Tgt Ion:106 Resp: 3851
Ion Ratio Lower Upper
106 100
91 211.6 159.0 238.4



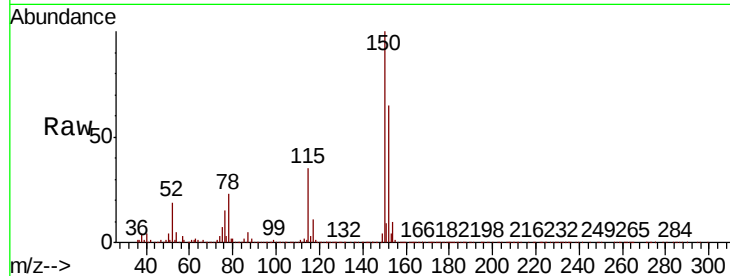


#72

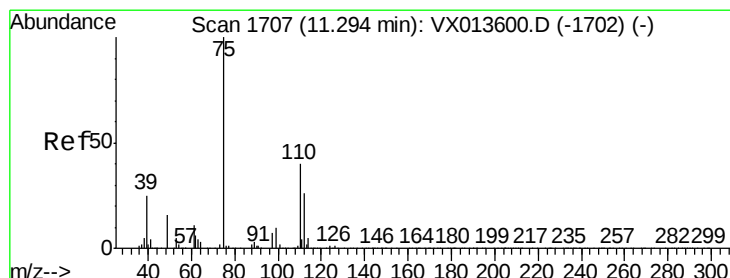
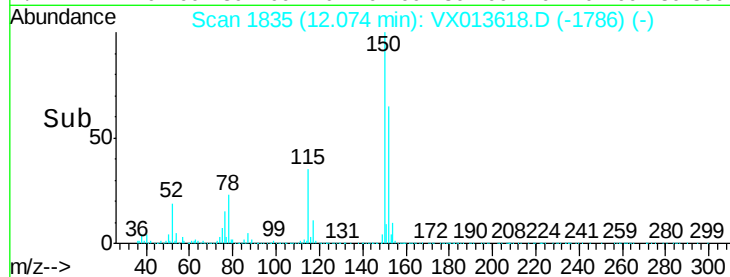
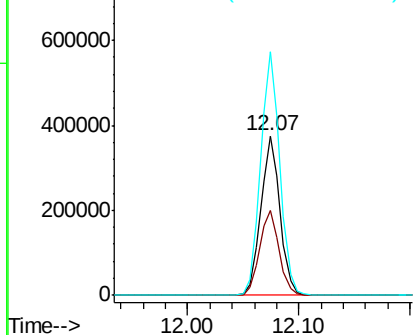
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	38.4	115.1
150	153.7	0.0	346.8



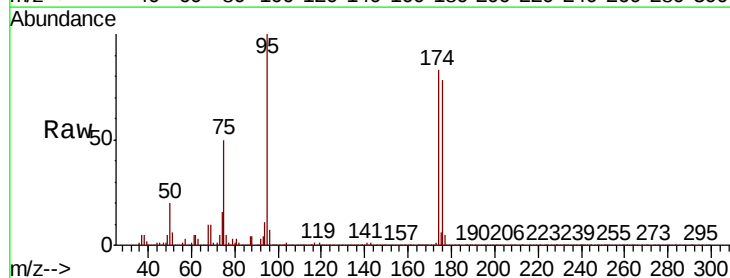
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



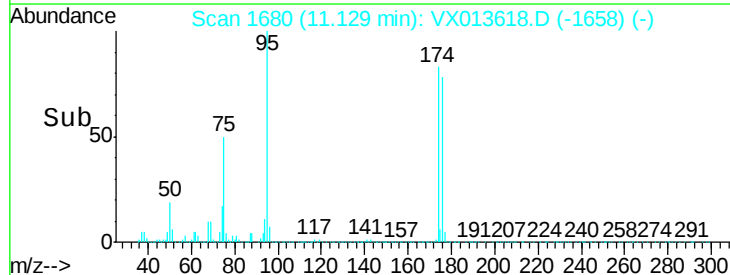
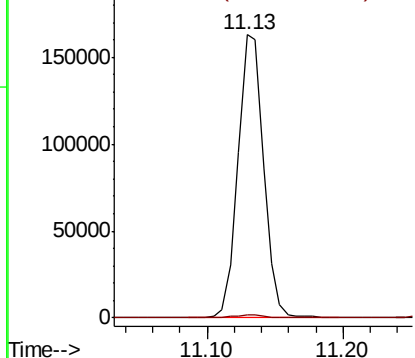
#76

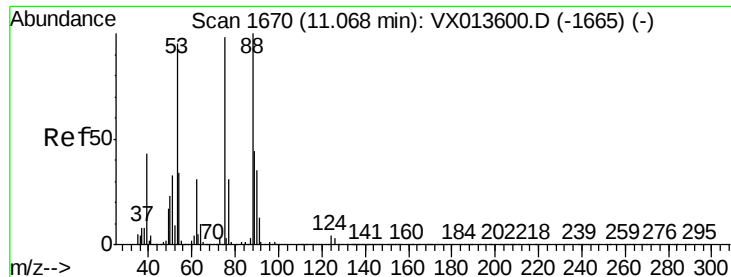
1,2,3-Trichloropropane
Concen: 21.021 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013618.D
Acq: 26 Nov 2019 23:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.1	57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.511 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

Instrument :

MSVOA_X

ClientSampled :

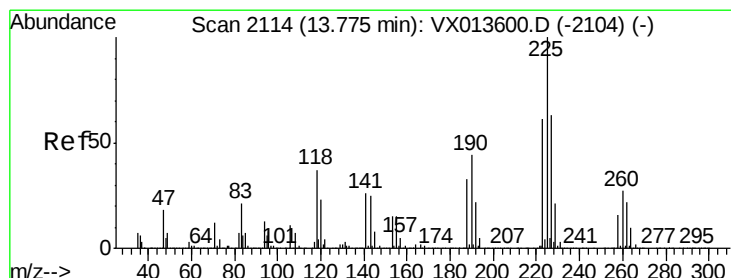
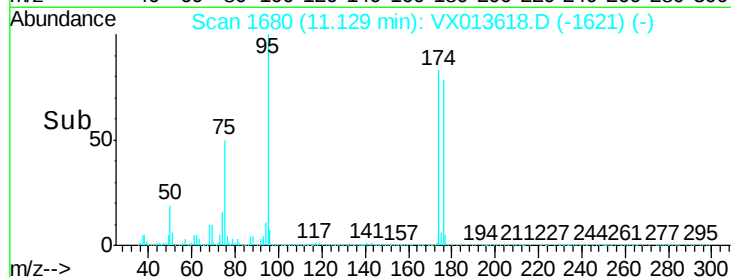
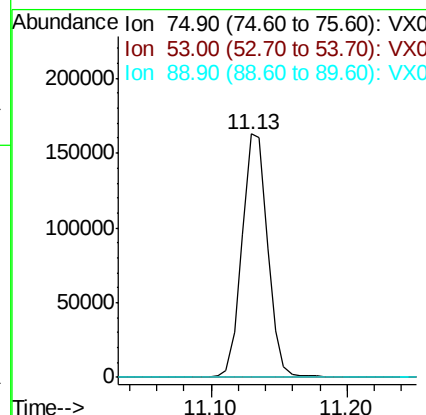
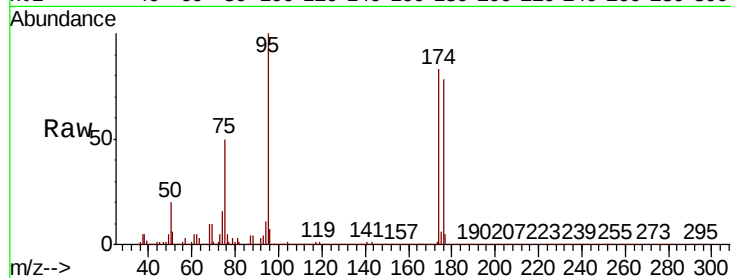
Tot Ion: 75 Resp: 213118

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.0 35.4 53.2#



#94

Hexachlorobutadiene

Concen: 0.261 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

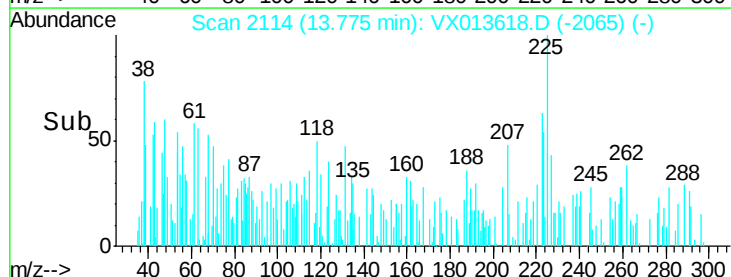
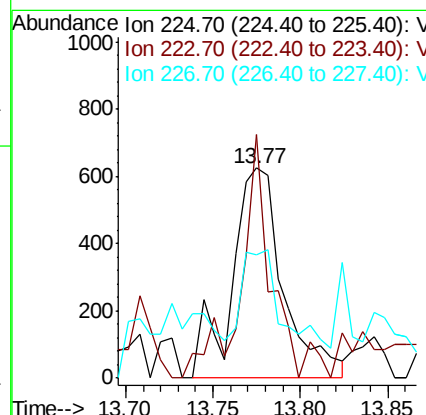
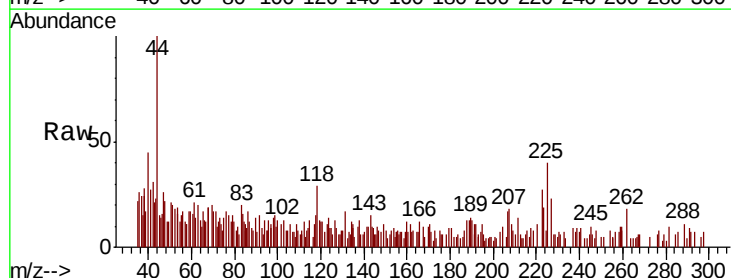
Tgt Ion: 225 Resp: 1286

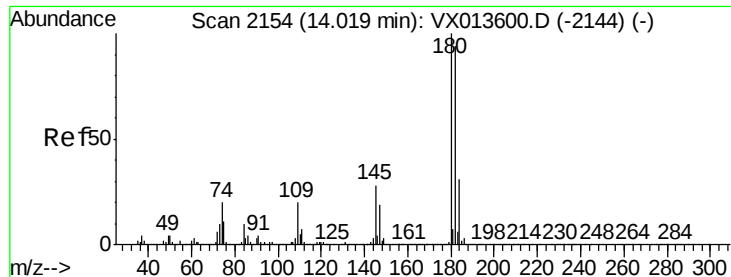
Ion Ratio Lower Upper

225 100

223 70.1 31.9 95.5

227 45.5 32.1 96.3





#96

1,2,3-Trichlorobenzene

Concen: 0.208 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX013618.D

Acq: 26 Nov 2019 23:36

Instrument :

MSVOA_X

ClientSampleId :

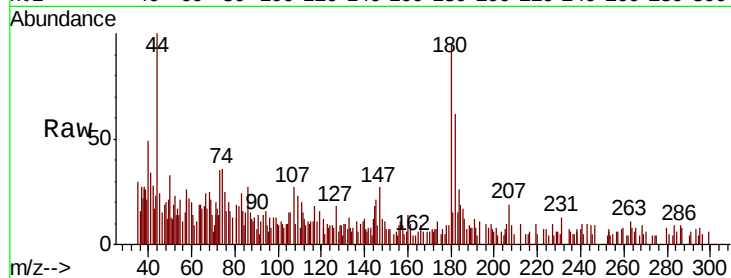
Tot Ion:180 Resp: 2113

Ion Ratio Lower Upper

180 100

182 80.7 47.6 142.8

145 29.4 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

