

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110119\
 Data File : VX013309.D
 Acq On : 01 Nov 2019 14:20
 Operator : JC/SP
 Sample : K5651-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:29:02 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	5.65	168	727053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1107657	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	977367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	446479	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	419785	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
35) Dibromofluoromethane	5.48	113	334355	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.71	98	1318265	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.14	95	436316	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	

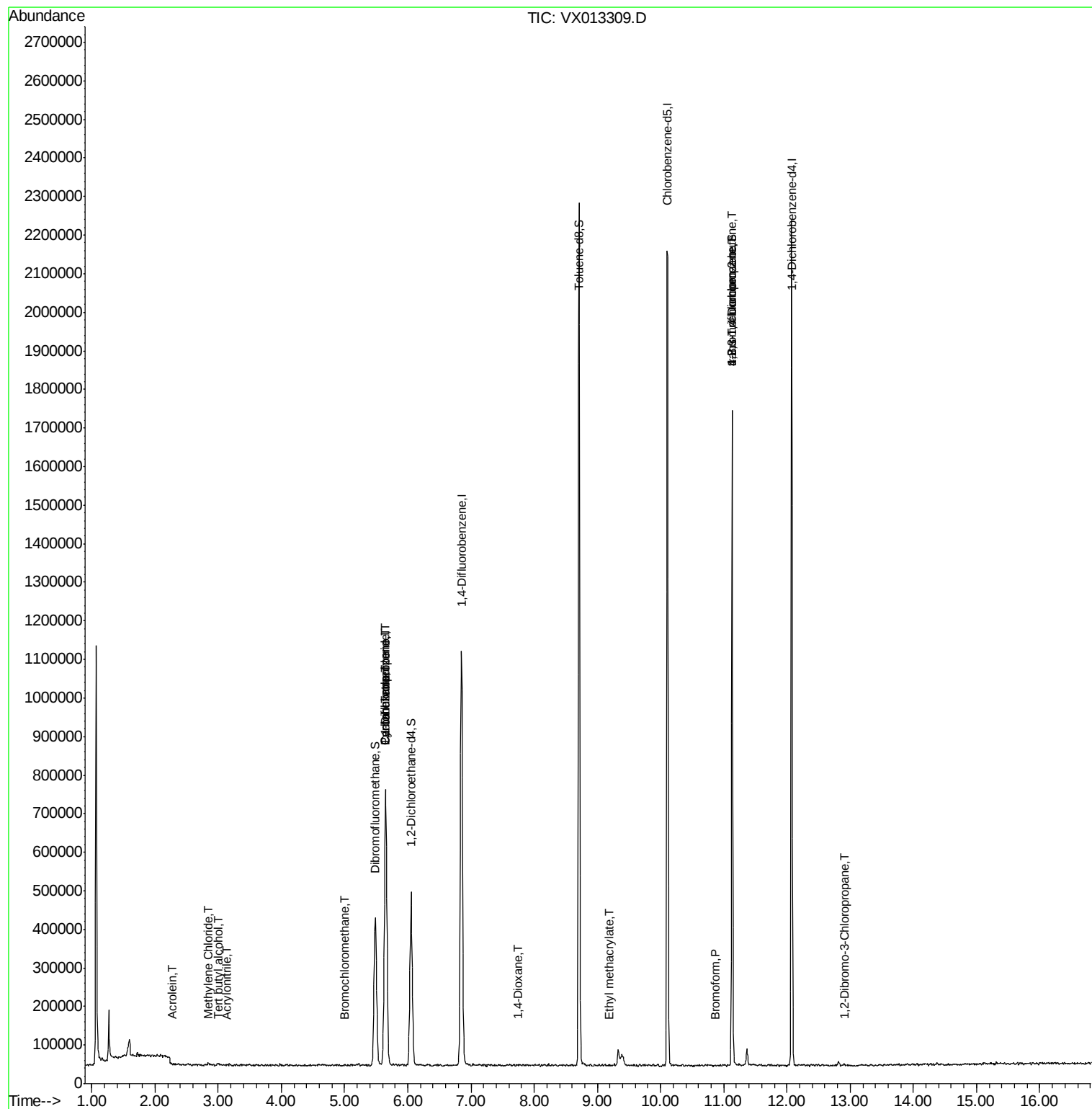
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	1021	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	3488	1.536	ug/l #	39
13) Acrolein	2.28	56	849	0.690	ug/l #	42
15) Acrylonitrile	3.13	53	1713	0.404	ug/l #	83
20) Methylene Chloride	2.85	84	3904	0.492	ug/l #	72
28) Bromochloromethane	5.00	49	1234	0.332	ug/l #	22
31) Cyclohexane	5.65	56	13365	1.135	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	49749	5.235	ug/l #	51
38) Carbon Tetrachloride	5.65	117	64883	6.983	ug/l #	18
49) 1,4-Dioxane	7.75	88	272	1.301	ug/l #	1
56) Ethyl methacrylate	9.18	69	98	1.570	ug/l #	1
71) Bromoform	10.85	173	271	3.240	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	217103	23.940	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	217103	61.621	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	12.90	75	624	0.237	ug/l	58

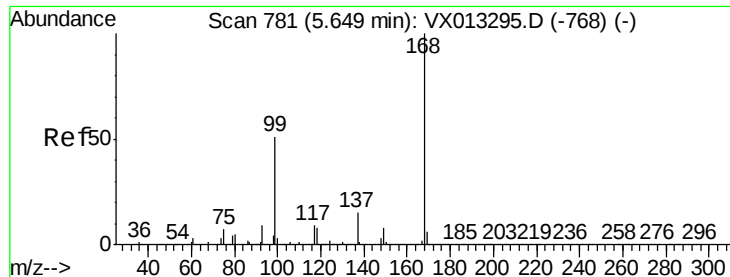
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 02 07:06:38 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: VX013309.D

Acq: 01 Nov 2019 14:20

Instrument :

MSVOA_X

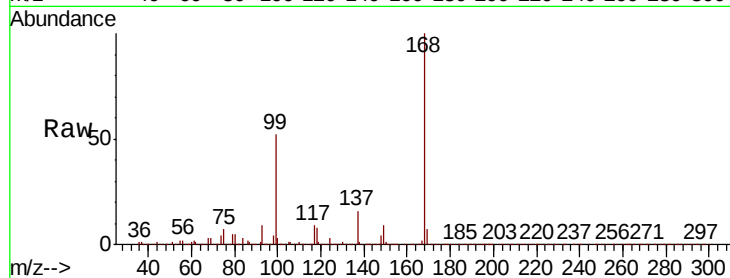
ClientSampleId :

Tot Ion:168 Resp: 727053

Ion Ratio Lower Upper

168 100

99 52.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

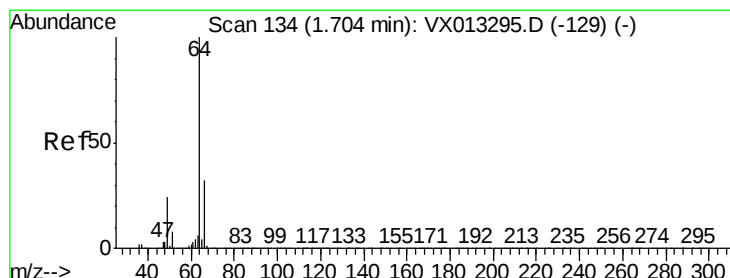
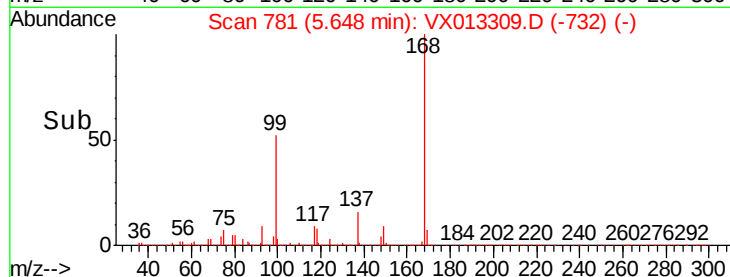
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX013309.D

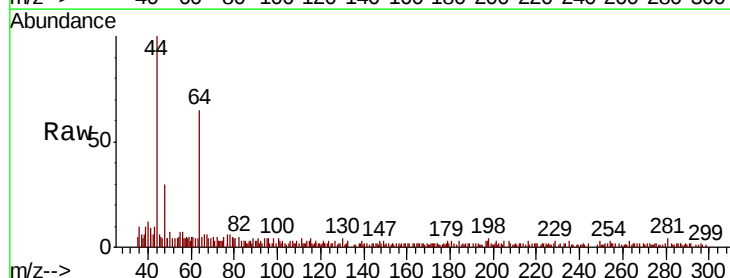
Acq: 01 Nov 2019 14:20

Tgt Ion: 64 Resp: 1021

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

6000

5000

4000

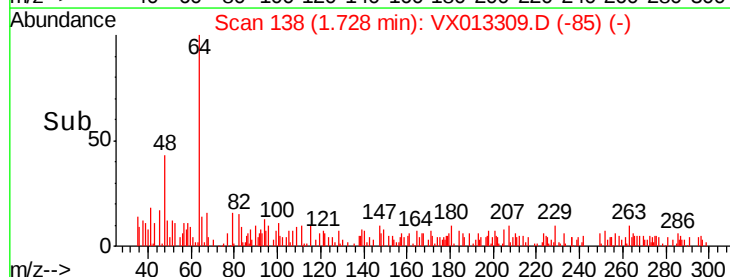
3000

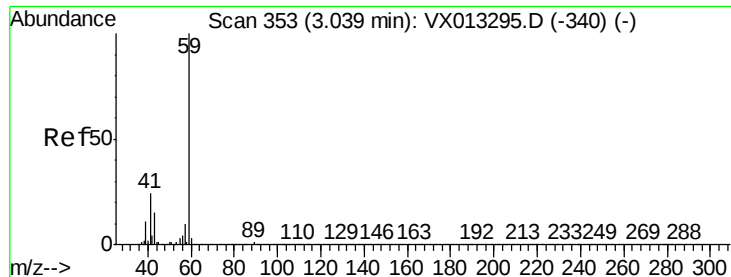
2000

1000

0

Time-->



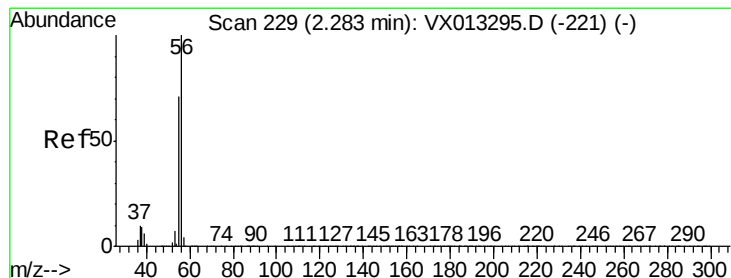
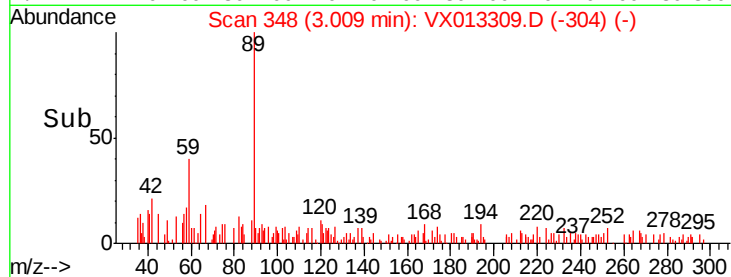
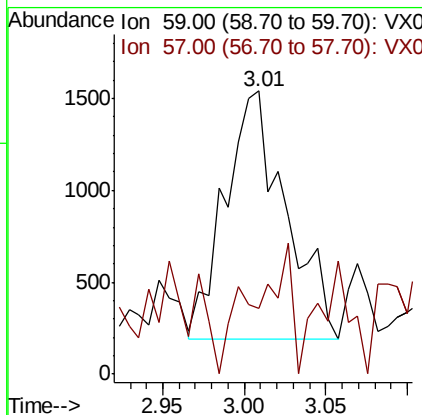
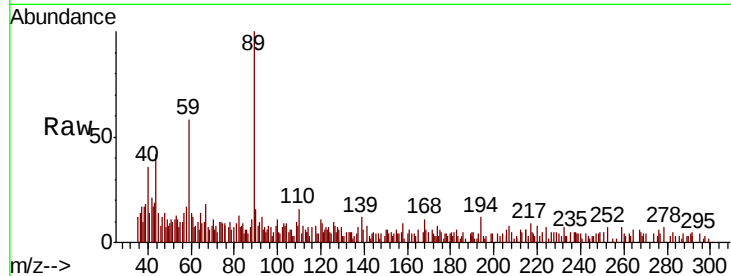


#11

Tert butyl alcohol
 Concen: 1.536 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX013309.D
 Acq: 01 Nov 2019 14:20

Instrument :
 MSVOA_X
 ClientSampleId :

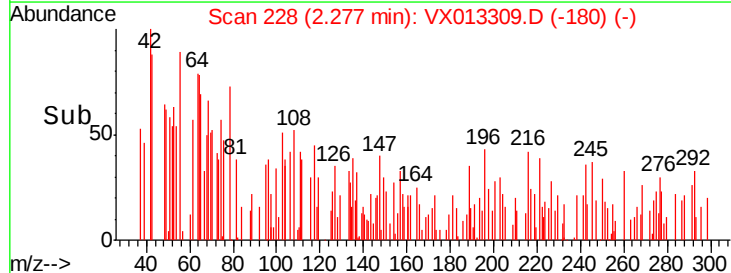
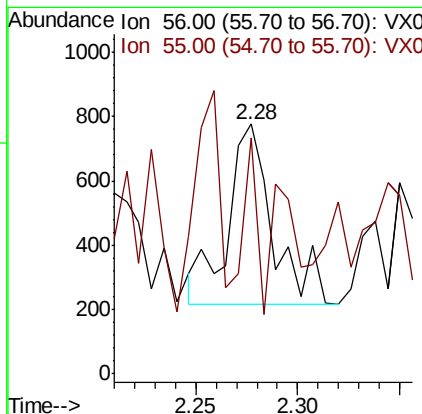
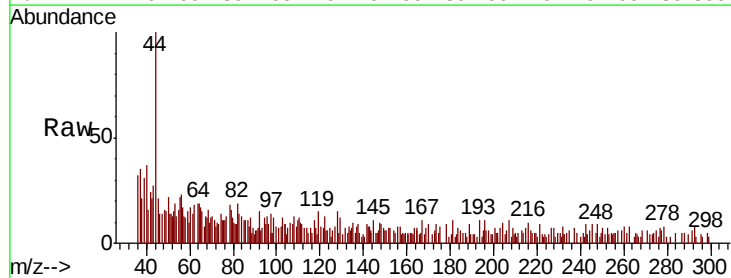
Tot Ion: 59 Resp: 3488
 Ion Ratio Lower Upper
 59 100
 57 32.5 8.0 12.0#

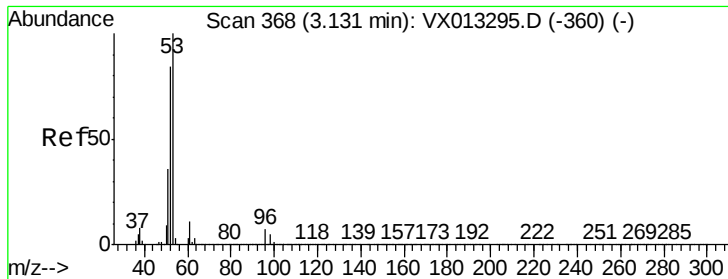


#13

Acrolein
 Concen: 0.690 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX013309.D
 Acq: 01 Nov 2019 14:20

Tgt Ion: 56 Resp: 849
 Ion Ratio Lower Upper
 56 100
 55 23.7 57.4 86.0#





#15

Acrylonitrile

Concen: 0.404 ug/l

RT: 3.13 min Scan# 368

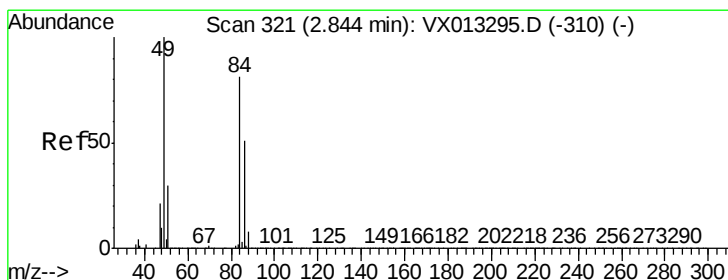
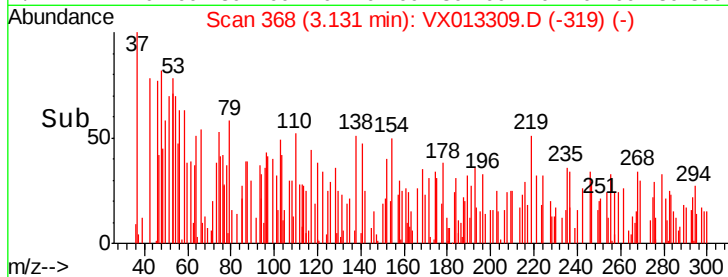
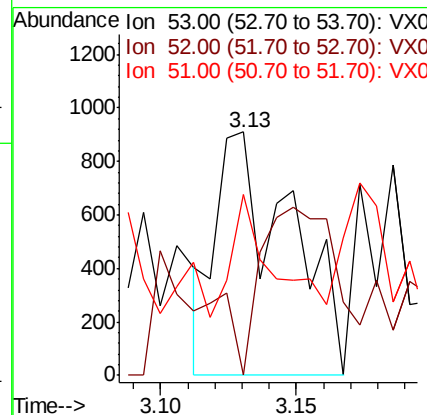
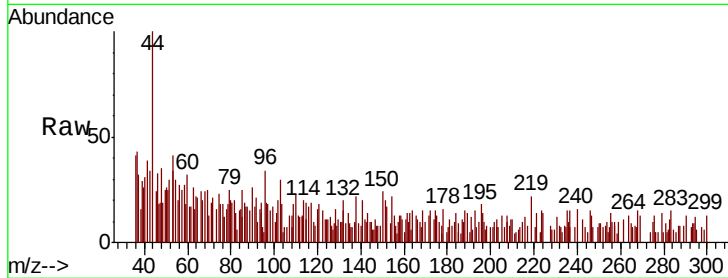
Delta R.T. -0.00 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	53	Resp:	1713
Ion	Ratio	Lower	Upper
53	100		
52	70.9	67.4	101.0
51	23.5	29.4	44.2#



#20

Methylene Chloride

Concen: 0.492 ug/l

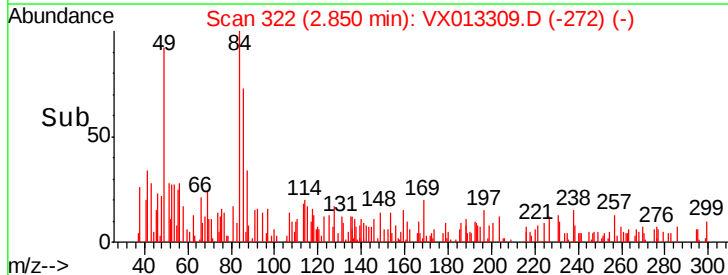
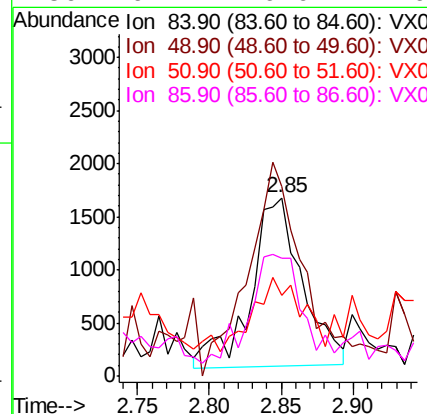
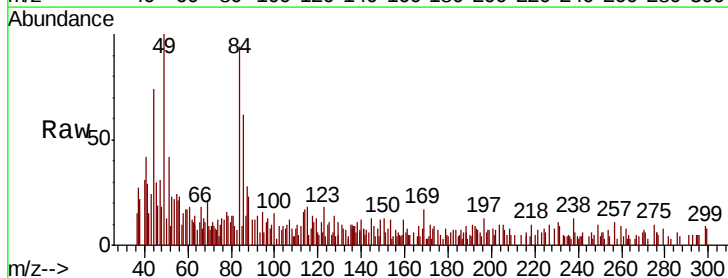
RT: 2.85 min Scan# 322

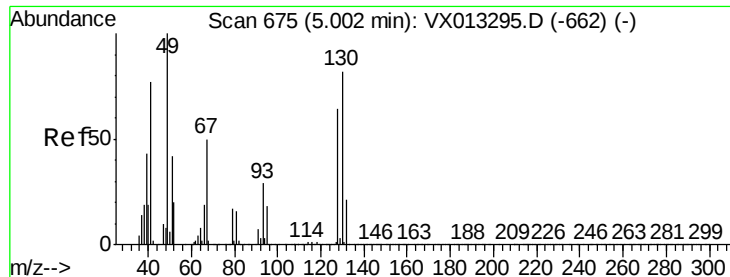
Delta R.T. 0.01 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

Tgt Ion:	84	Resp:	3904
Ion	Ratio	Lower	Upper
84	100		
49	69.6	98.2	147.4#
51	33.1	29.9	44.9
86	61.2	49.9	74.9





#28

Bromochloromethane

Concen: 0.332 ug/l

RT: 5.00 min Scan# 674

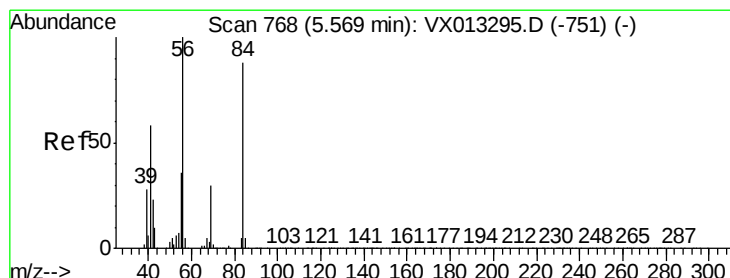
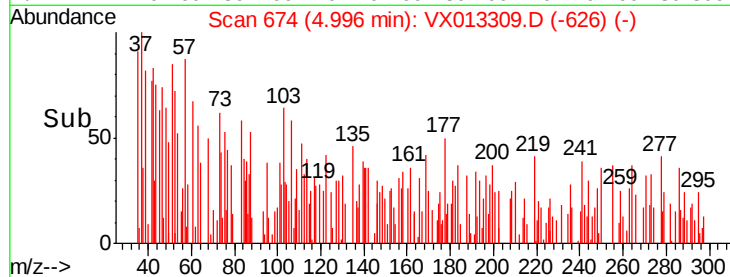
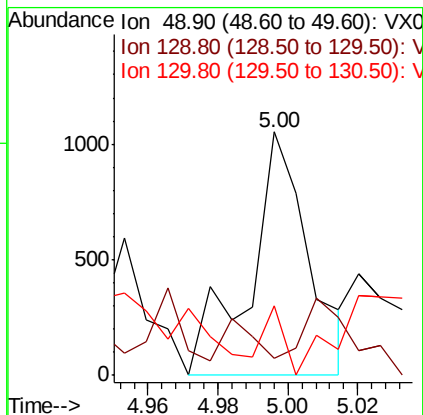
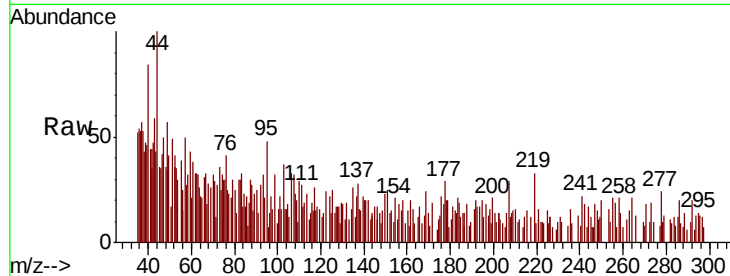
Delta R.T. -0.01 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	49	Resp:	1234
Ion	Ratio	Lower	Upper
49	100		
129	9.0	0.0	5.2#
130	9.0	63.8	95.6#



#31

Cyclohexane

Concen: 1.135 ug/l

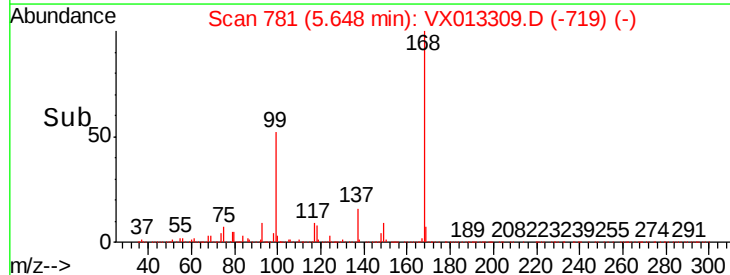
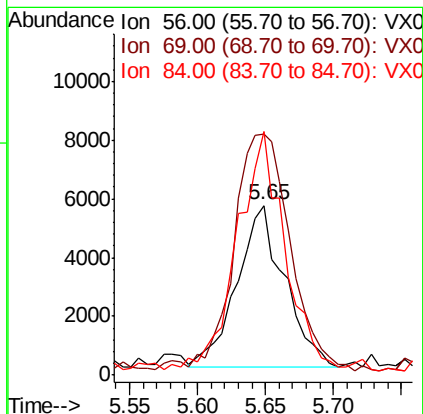
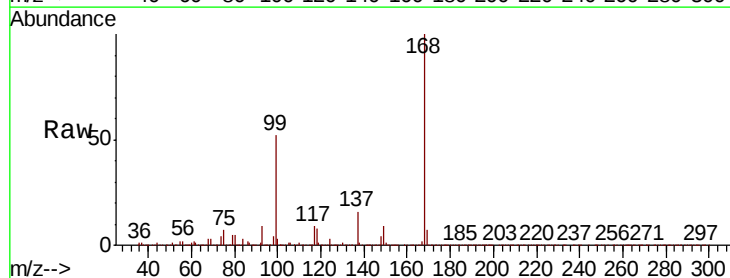
RT: 5.65 min Scan# 781

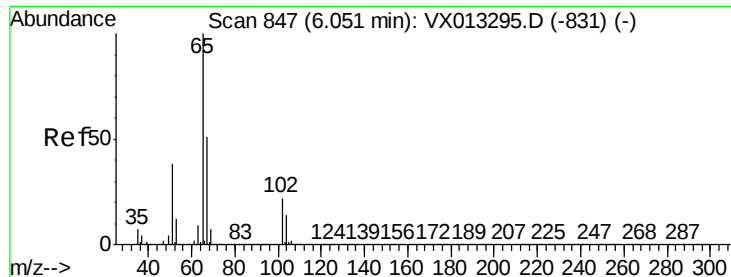
Delta R.T. 0.08 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

Tgt Ion:	56	Resp:	13365
Ion	Ratio	Lower	Upper
56	100		
69	144.3	23.7	35.5#
84	146.3	70.6	105.8#





#33

1,2-Dichloroethane-d4

Concen: 48.736 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

Instrument :

MSVOA_X

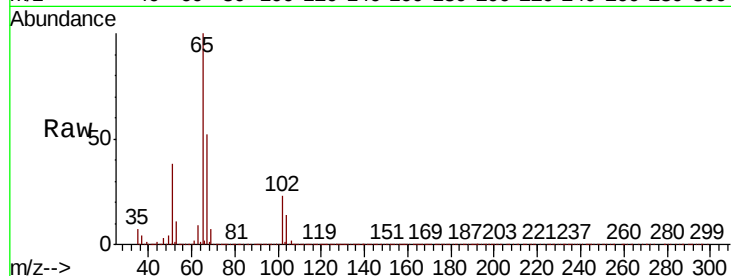
ClientSampleId :

Tot Ion: 65 Resp: 419785

Ion Ratio Lower Upper

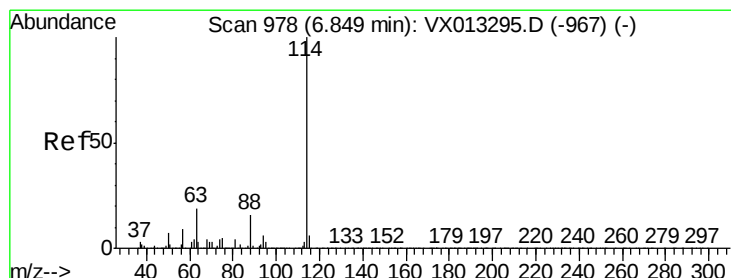
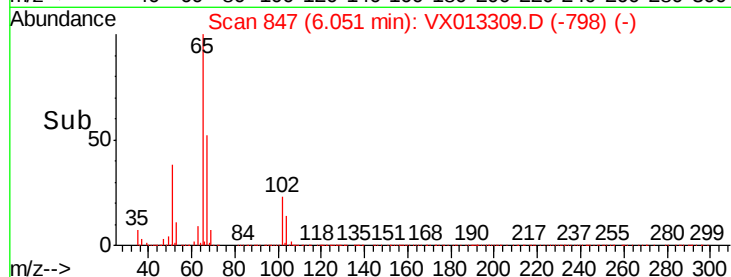
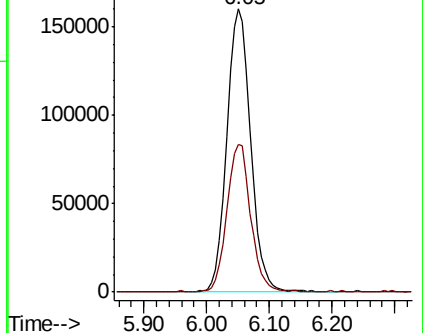
65 100

67 51.6 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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

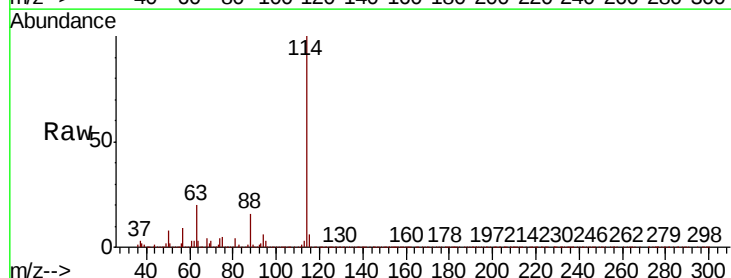
Tgt Ion: 114 Resp: 1107657

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

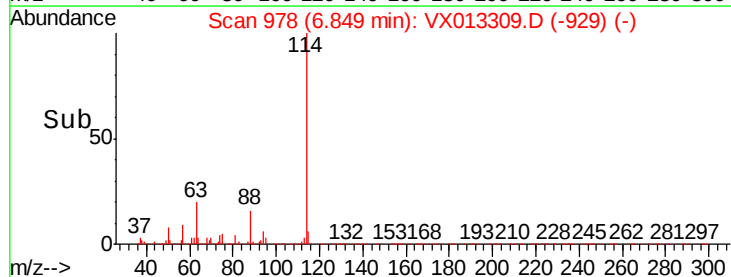
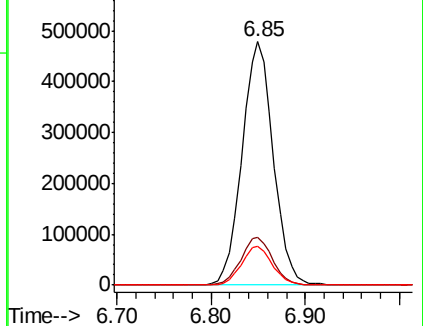
88 16.1 0.0 32.2

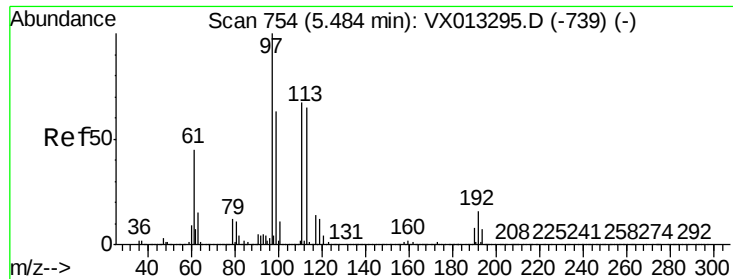


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

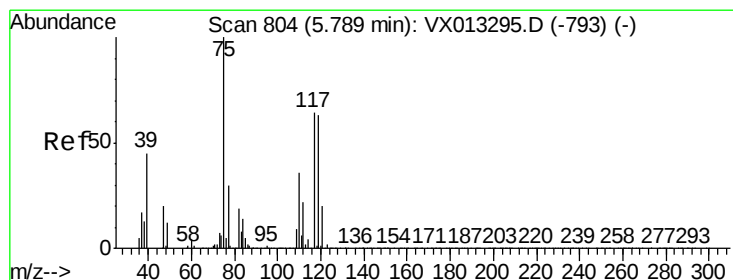
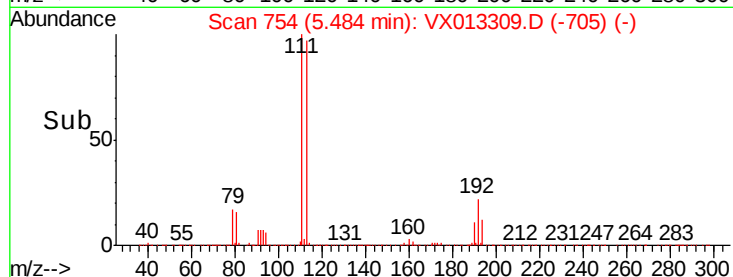
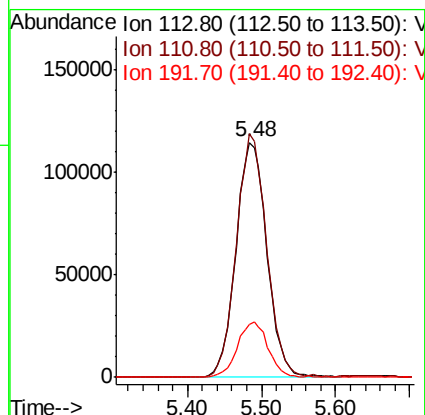
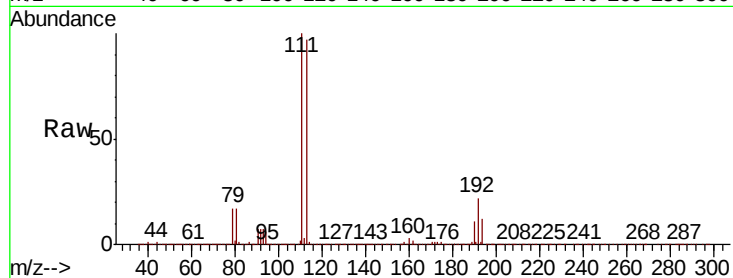




#35
Dibromofluoromethane
Concen: 48.127 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013309.D
Acq: 01 Nov 2019 14:20

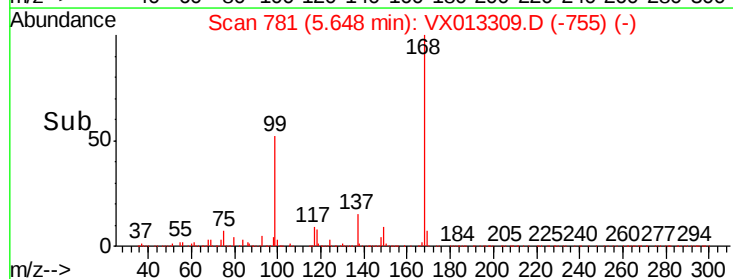
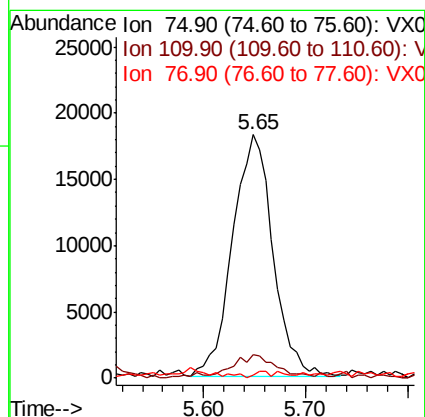
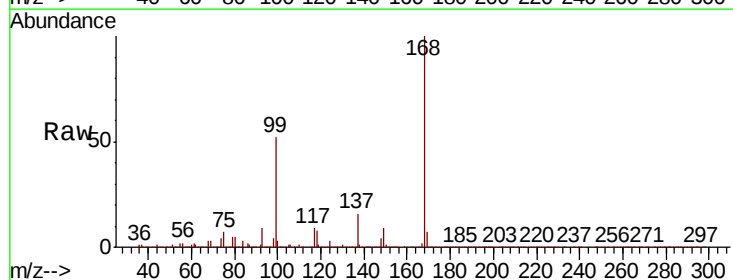
Instrument :
MSVOA_X
ClientSampleId :

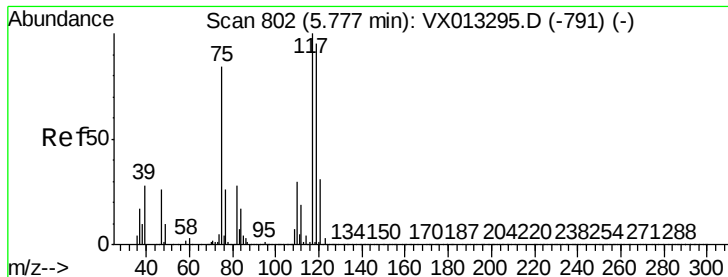
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.9	122.9
192	23.0	19.1	28.7



#36
1,1-Dichloropropene
Concen: 5.235 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013309.D
Acq: 01 Nov 2019 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	1.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.983 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

Instrument :

MSVOA_X

ClientSampled :

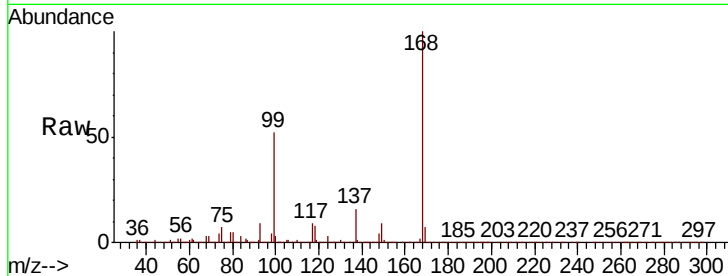
Tot Ion:117 Resp: 64883

Ion Ratio Lower Upper

117 100

119 6.8 76.1 114.1#

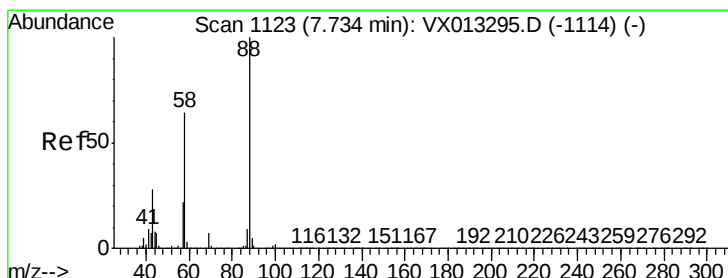
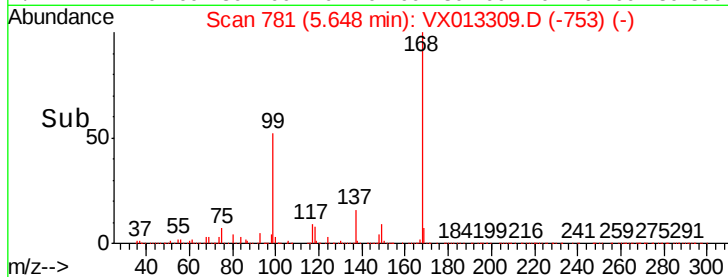
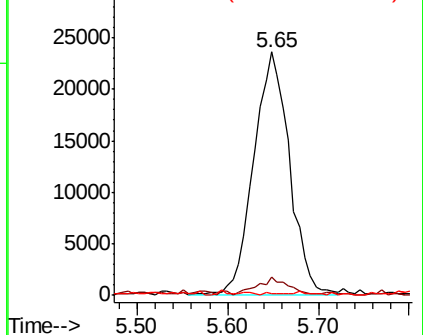
121 1.1 24.6 37.0#



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: 1.301 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

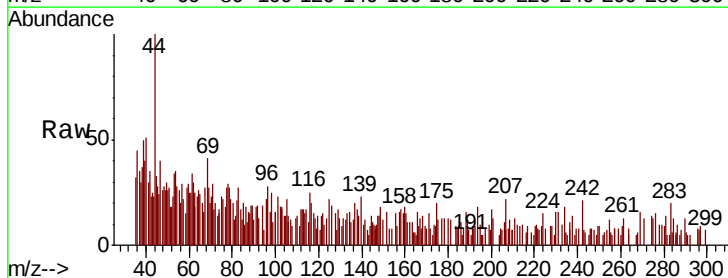
Tgt Ion: 88 Resp: 272

Ion Ratio Lower Upper

88 100

43 648.2 26.6 39.8#

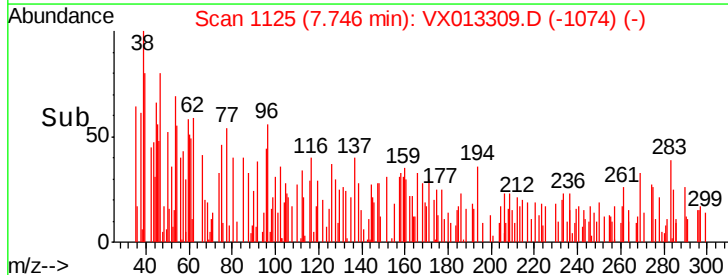
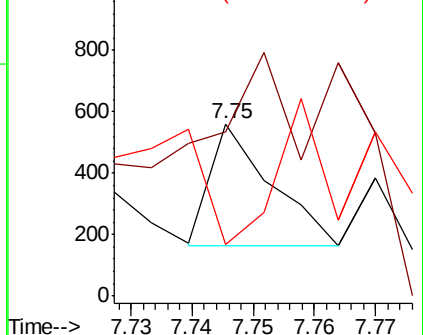
58 183.8 55.0 82.6#

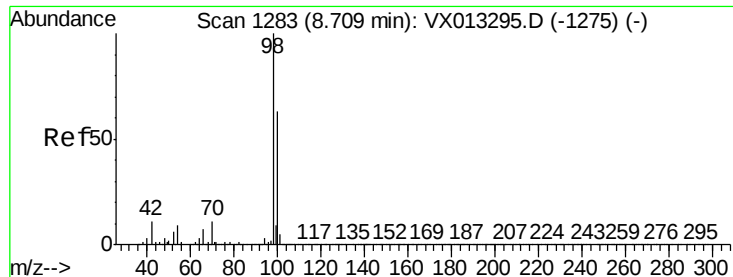


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.333 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

Instrument :

MSVOA_X

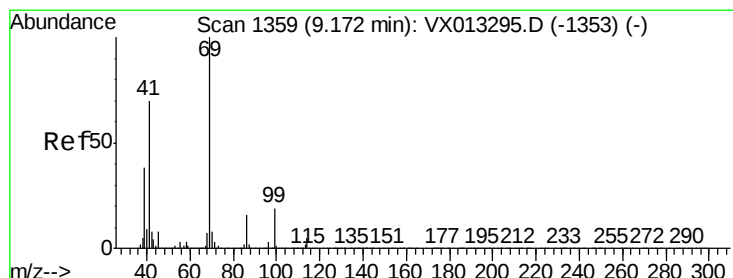
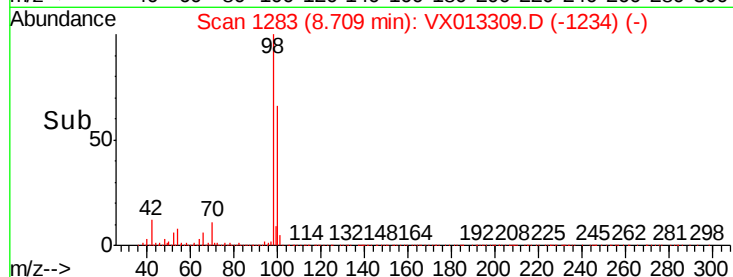
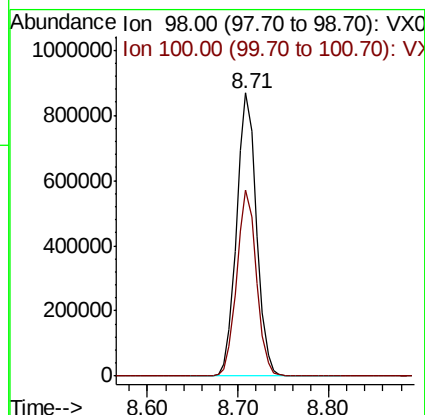
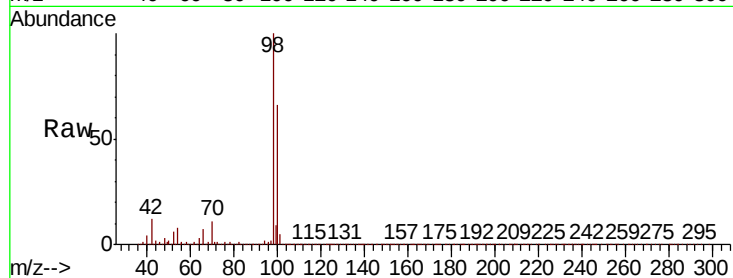
ClientSampleId :

Tot Ion: 98 Resp: 1318265

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.570 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

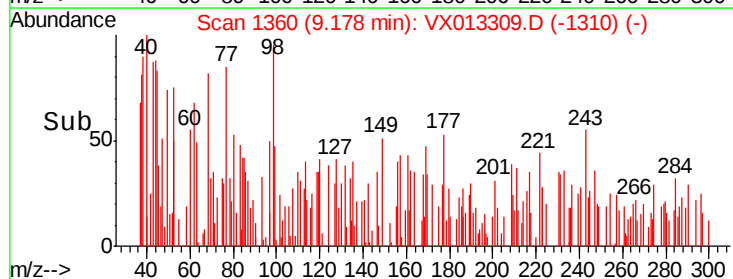
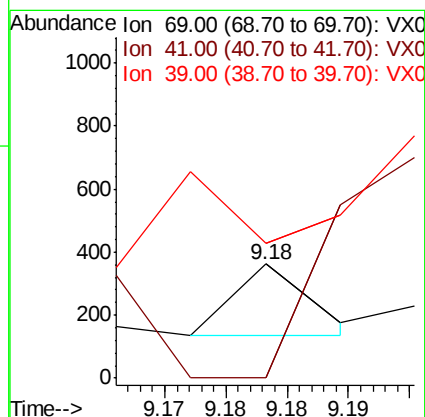
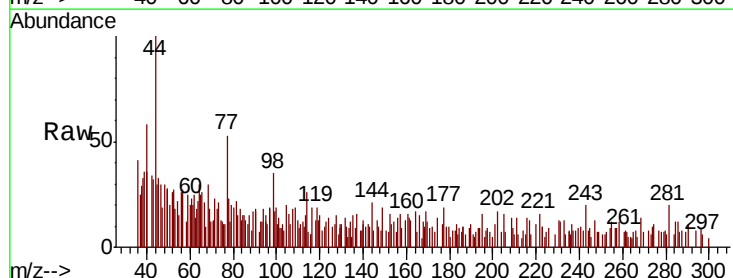
Tgt Ion: 69 Resp: 98

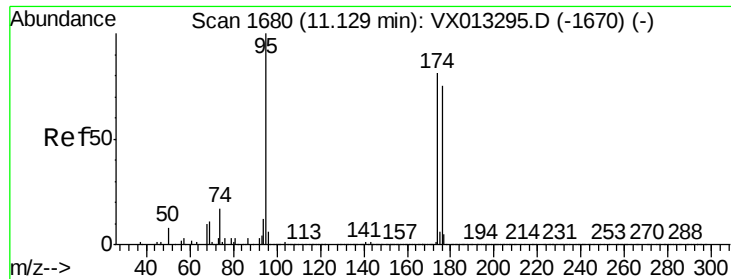
Ion Ratio Lower Upper

69 100

41 1211.2 56.2 84.2#

39 593.9 31.1 46.7#

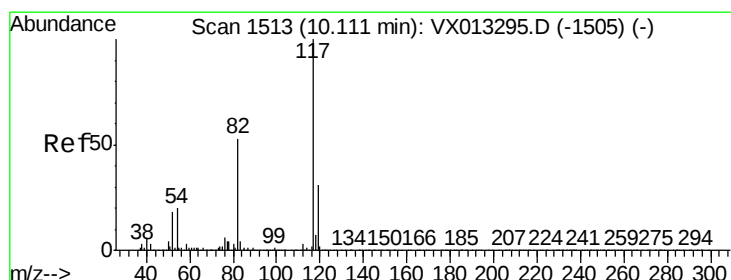
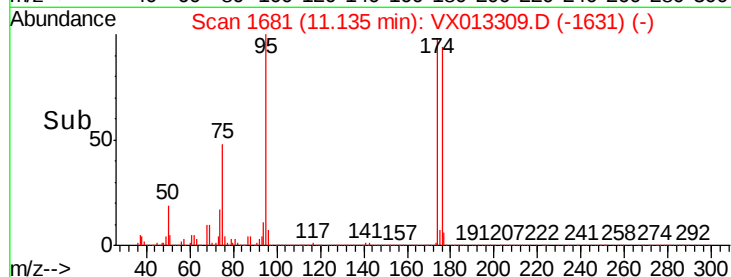
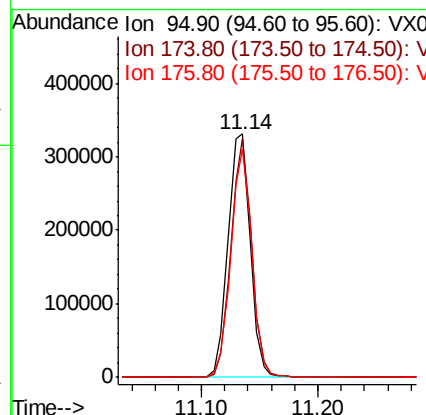
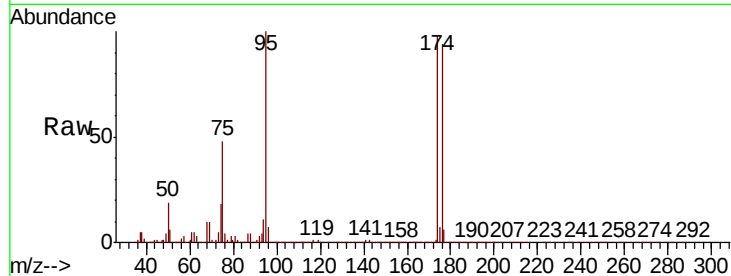




#62
4-Bromofluorobenzene
Concen: 46.159 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013309.D
Acq: 01 Nov 2019 14:20

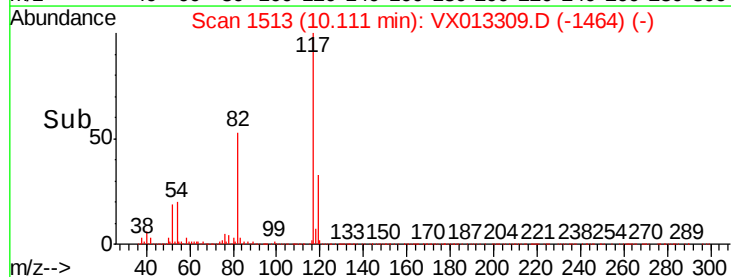
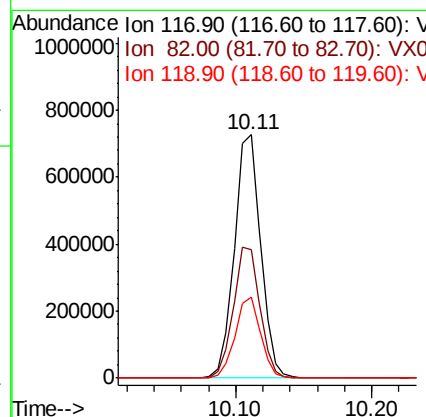
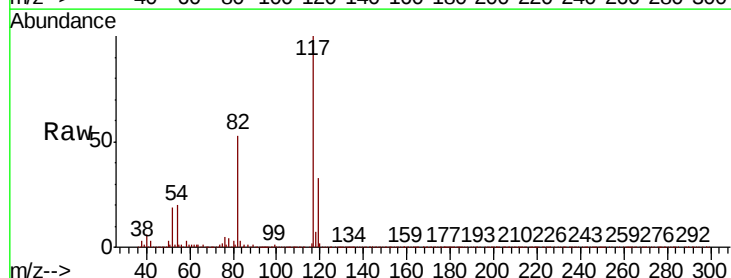
Instrument :
MSVOA_X
ClientSampleId :

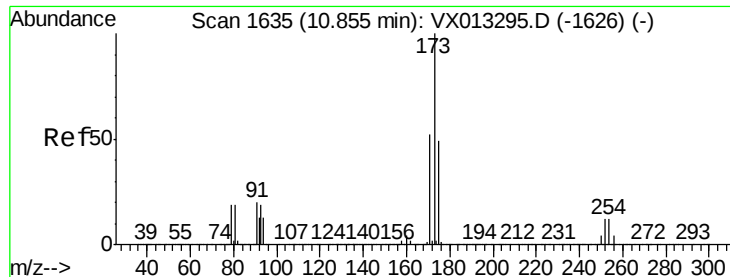
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	179.8
176	88.6	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013309.D
Acq: 01 Nov 2019 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	64.0
119	33.4	24.8	37.2





#71

Bromoform

Concen: 3.240 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

Instrument :

MSVOA_X

ClientSampled :

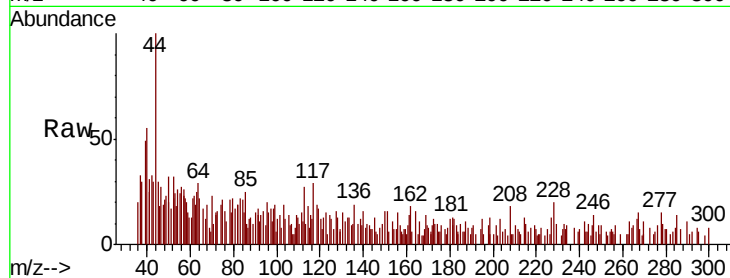
Tot Ion:173 Resp: 271

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

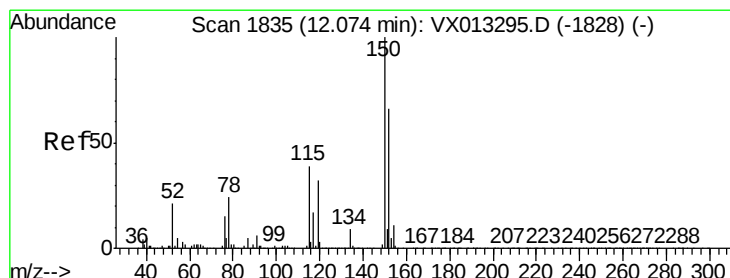
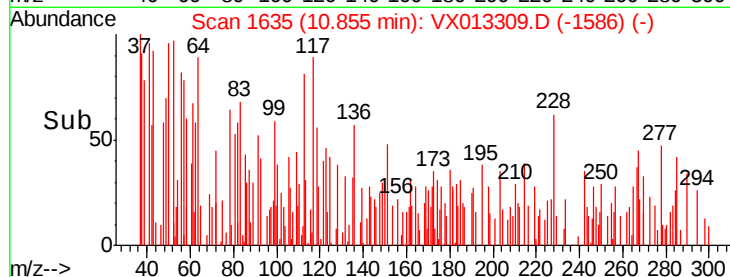
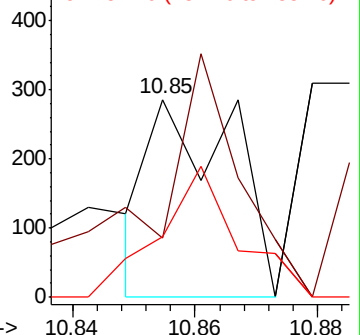
254 62.7 0.2 0.2#



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: VX013309.D

Acq: 01 Nov 2019 14:20

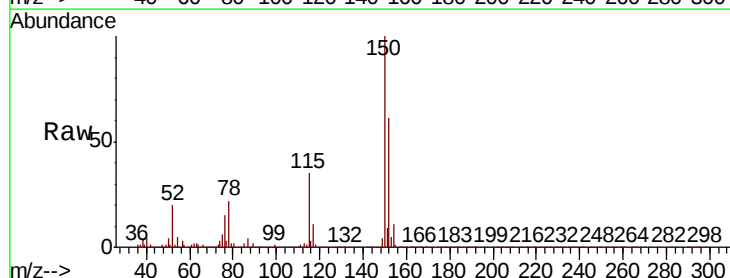
Tgt Ion:152 Resp: 446479

Ion Ratio Lower Upper

152 100

115 56.6 39.5 118.3

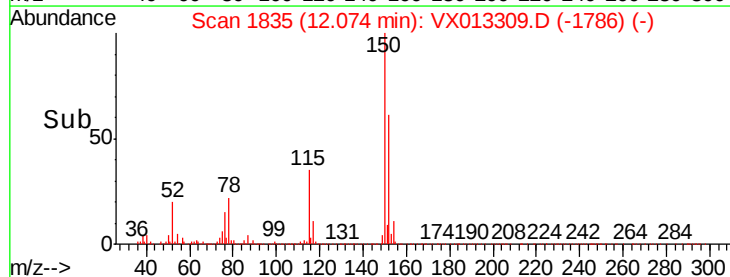
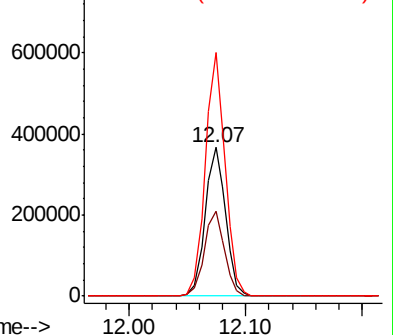
150 158.9 0.0 344.4

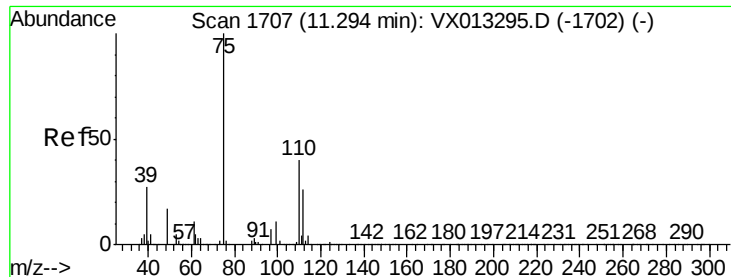


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.940 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

Instrument :

MSVOA_X

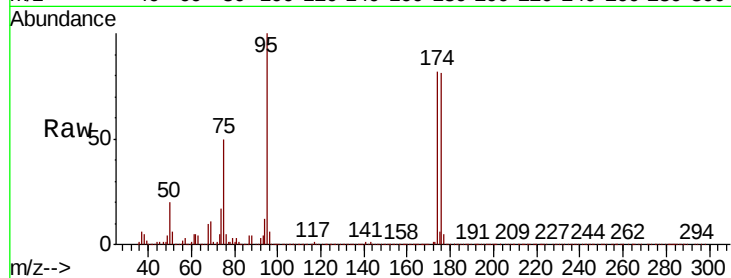
ClientSampleId :

Tot Ion: 75 Resp: 217103

Ion Ratio Lower Upper

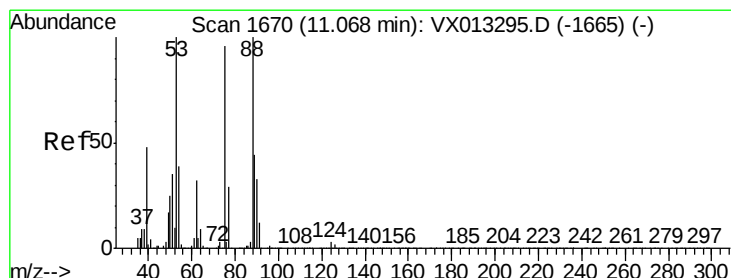
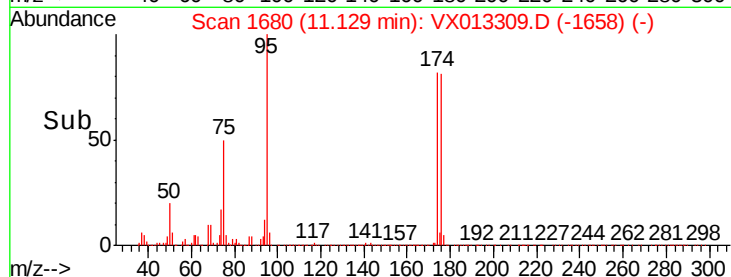
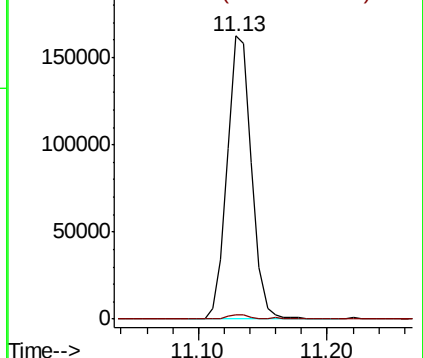
75 100

77 1.6 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 61.621 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013309.D

Acq: 01 Nov 2019 14:20

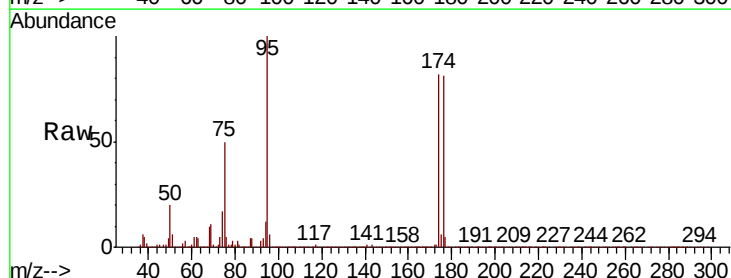
Tgt Ion: 75 Resp: 217103

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

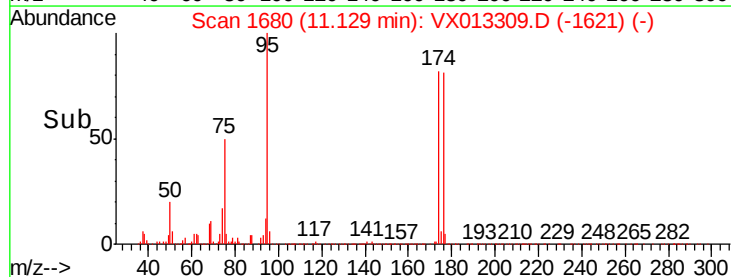
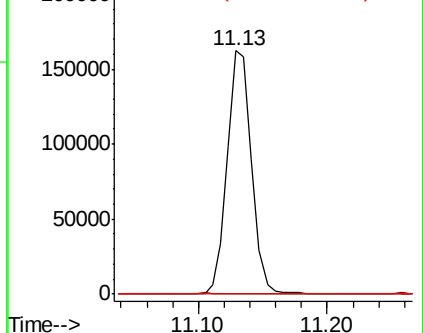
89 0.0 36.0 54.0#

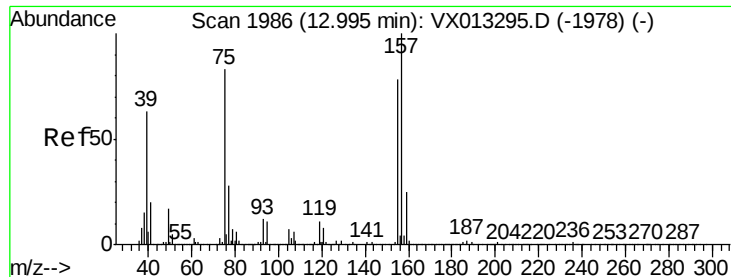


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.237 ug/l
 RT: 12.90 min Scan# 1970
 Delta R.T. -0.10 min
 Lab File: VX013309.D
 Acq: 01 Nov 2019 14:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
155	54.3	47.1	141.4
157	75.2	61.3	183.8

