

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110119\
 Data File : VX013301.D
 Acq On : 01 Nov 2019 11:08
 Operator : JC/SP
 Sample : VX1101WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:26:12 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	702740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1070160	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	953222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	438701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	407777	48.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.96%	
35) Dibromofluoromethane	5.48	113	324954	48.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.82%	
50) Toluene-d8	8.71	98	1280155	50.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.13	95	428351	46.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.80%	

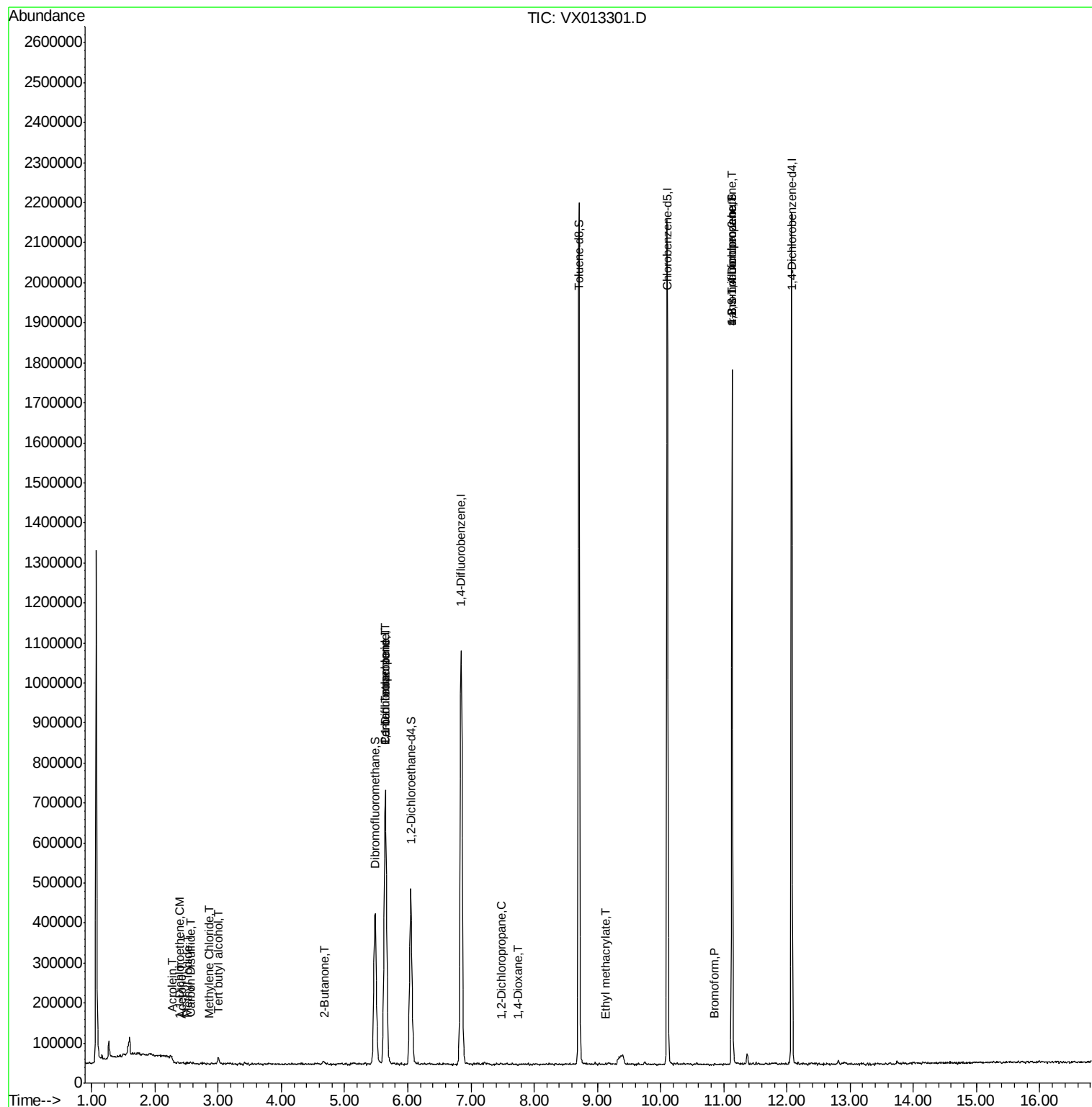
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.77	64	941	Below Cal	#	88
10) Methyl Iodide	2.51	142	1634	0.200	ug/l #	45
11) Tert butyl alcohol	3.00	59	10821	4.931	ug/l #	82
12) 1,1-Dichloroethene	2.39	96	1316	0.204	ug/l #	10
13) Acrolein	2.28	56	765	0.643	ug/l #	66
16) Acetone	2.42	43	1820	0.438	ug/l	97
17) Carbon Disulfide	2.56	76	3945	0.229	ug/l #	76
20) Methylene Chloride	2.85	84	1806	0.235	ug/l #	46
25) 2-Butanone	4.69	43	1704	0.280	ug/l	92
36) 1,1-Dichloropropene	5.64	75	49894	5.435	ug/l #	53
38) Carbon Tetrachloride	5.64	117	65161	7.258	ug/l #	17
45) 1,2-Dichloropropane	7.48	63	1947	0.267	ug/l #	82
49) 1,4-Dioxane	7.74	88	278	1.377	ug/l #	53
56) Ethyl methacrylate	9.14	69	423	1.596	ug/l #	62
71) Bromoform	10.85	173	587	3.286	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	218087	24.475	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	218087	62.998	ug/l #	9

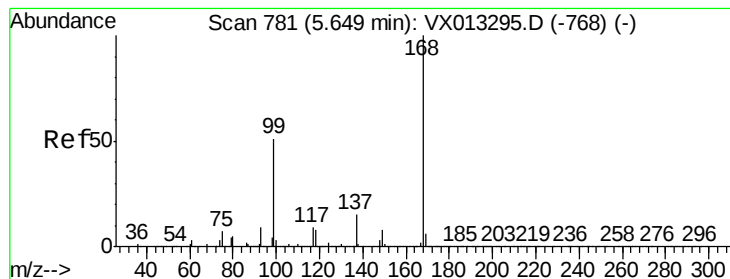
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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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: VX013301.D

Acq: 01 Nov 2019 11:08

Instrument :

MSVOA_X

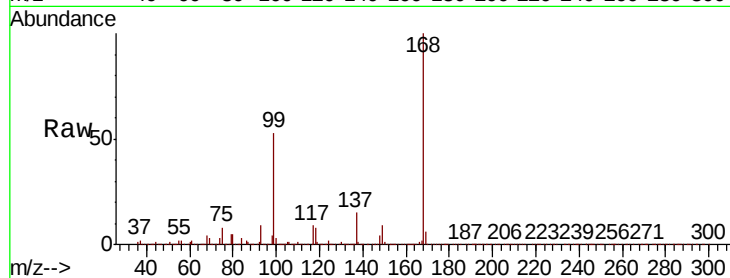
ClientSampleId :

Tot Ion:168 Resp: 702740

Ion Ratio Lower Upper

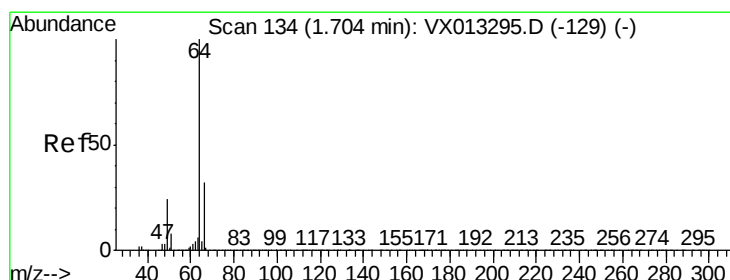
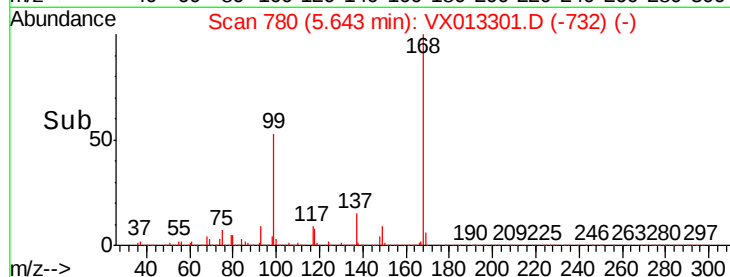
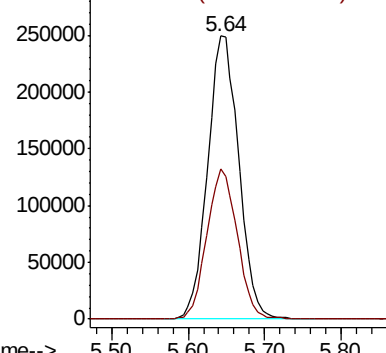
168 100

99 53.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.77 min Scan# 145

Delta R.T. 0.07 min

Lab File: VX013301.D

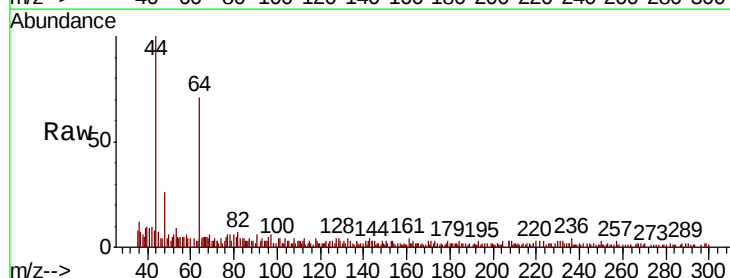
Acq: 01 Nov 2019 11:08

Tgt Ion: 64 Resp: 941

Ion Ratio Lower Upper

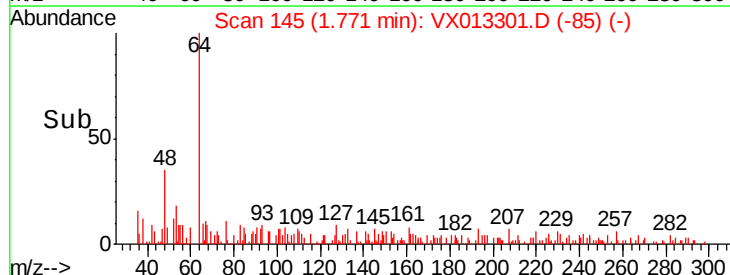
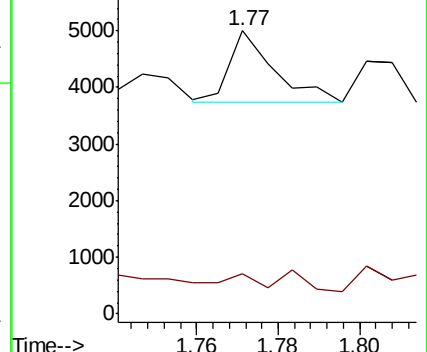
64 100

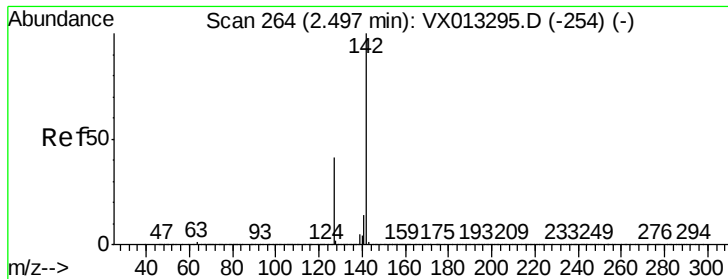
66 25.5 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 0.200 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013301.D

Acq: 01 Nov 2019 11:08

Instrument :

MSVOA_X

ClientSampled :

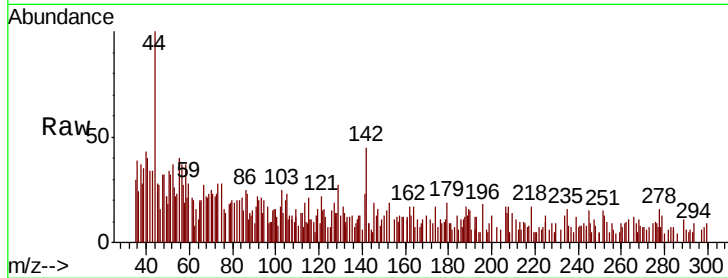
Tot Ion:142 Resp: 1634

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

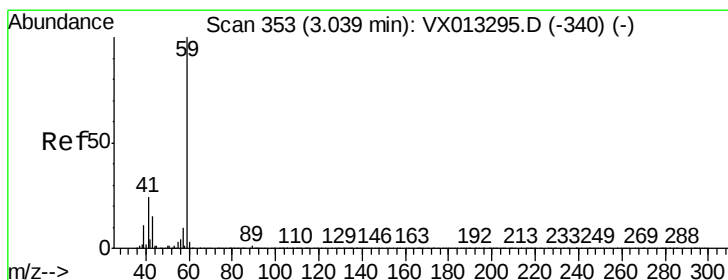
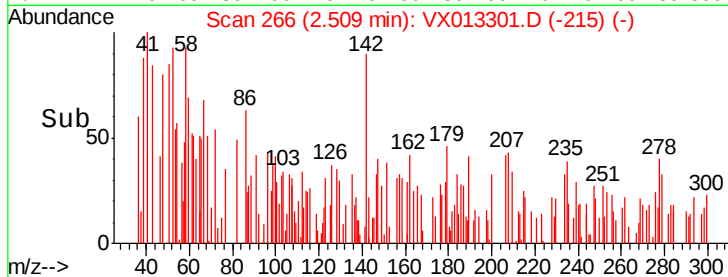
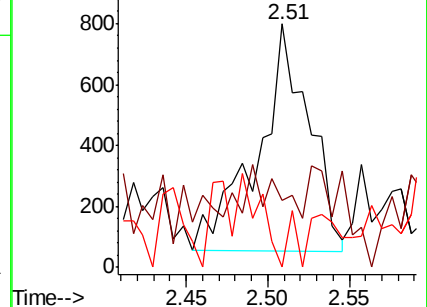
141 4.2 11.6 17.4#



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



#11

Tert butyl alcohol

Concen: 4.931 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.04 min

Lab File: VX013301.D

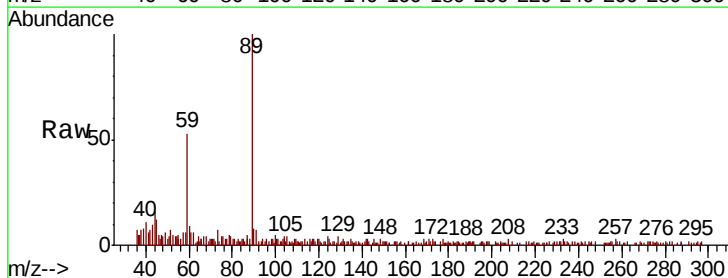
Acq: 01 Nov 2019 11:08

Tgt Ion: 59 Resp: 10821

Ion Ratio Lower Upper

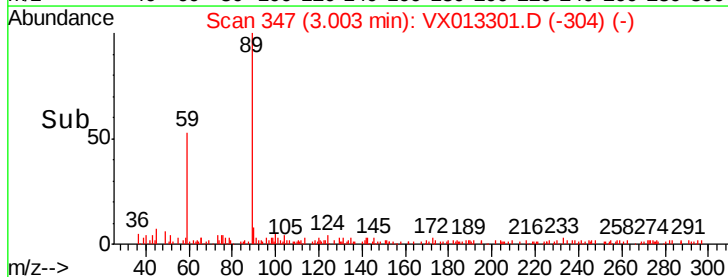
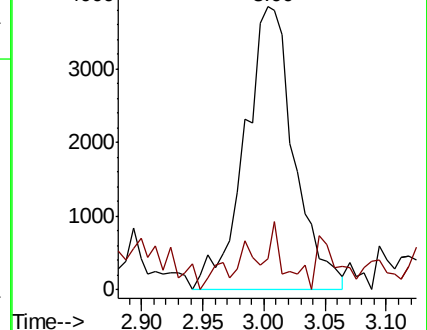
59 100

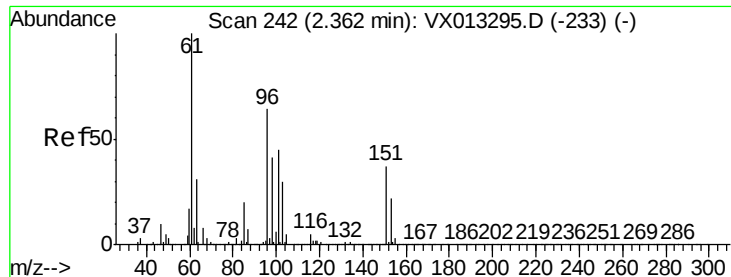
57 3.2 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

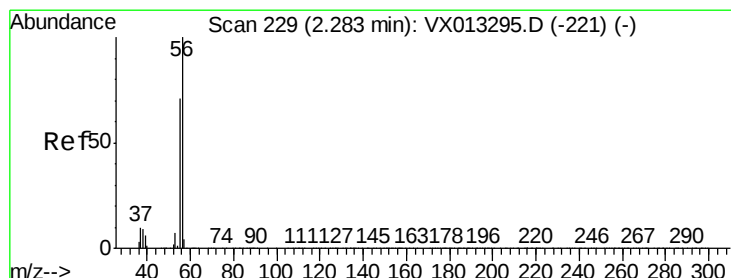
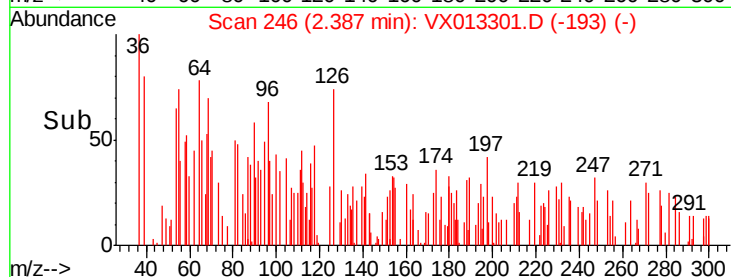
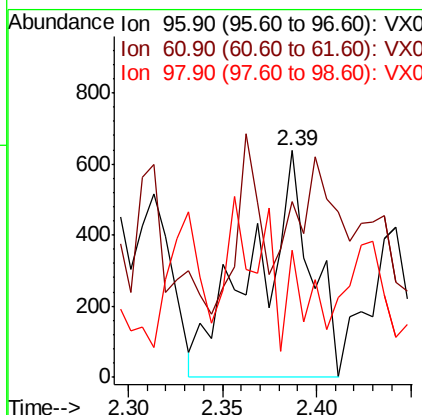
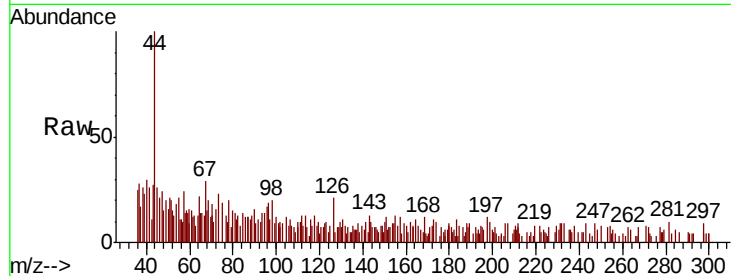




#12
 1,1-Dichloroethene
 Concen: 0.204 ug/l
 RT: 2.39 min Scan# 246
 Delta R.T. 0.02 min
 Lab File: VX013301.D
 Acq: 01 Nov 2019 11:08

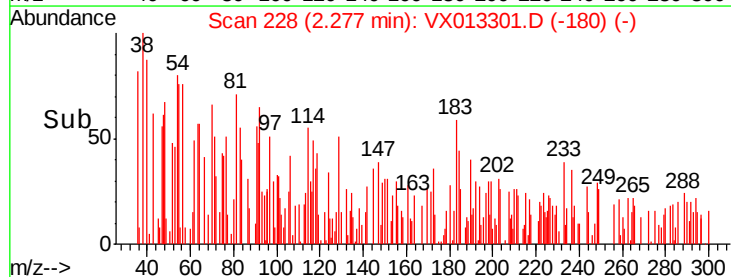
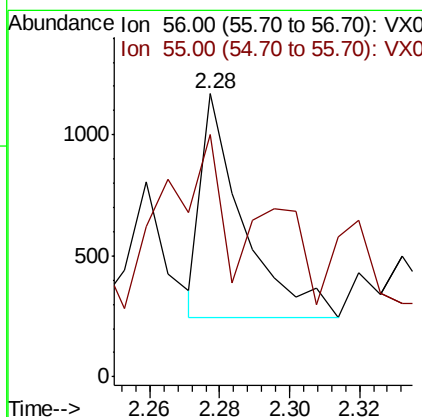
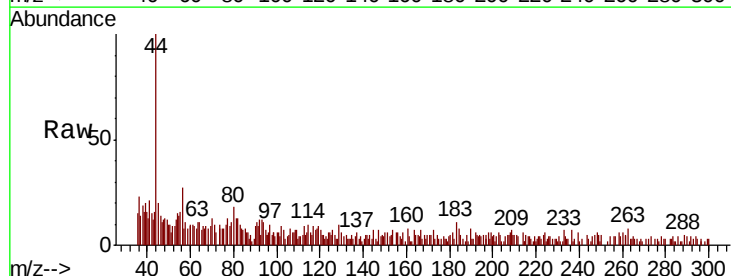
Instrument :
 MSVOA_X
 ClientSampled :

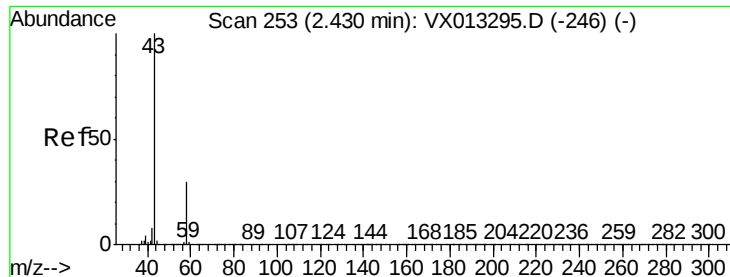
Tot Ion: 96 Resp: 1316
 Ion Ratio Lower Upper
 96 100
 61 23.5 125.0 187.6#
 98 15.8 50.7 76.1#



#13
 Acrolein
 Concen: 0.643 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX013301.D
 Acq: 01 Nov 2019 11:08

Tgt Ion: 56 Resp: 765
 Ion Ratio Lower Upper
 56 100
 55 100.1 57.4 86.0#





#16

Acetone

Concen: 0.438 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX013301.D

Acq: 01 Nov 2019 11:08

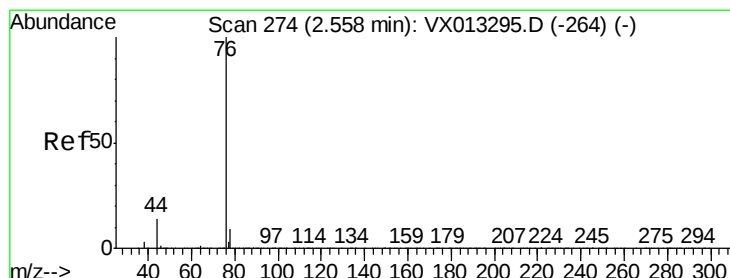
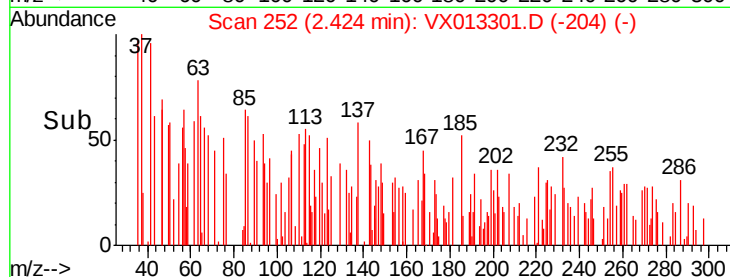
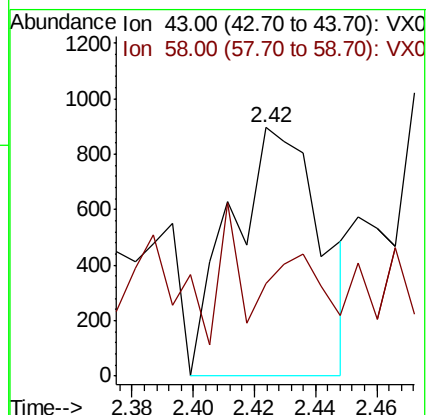
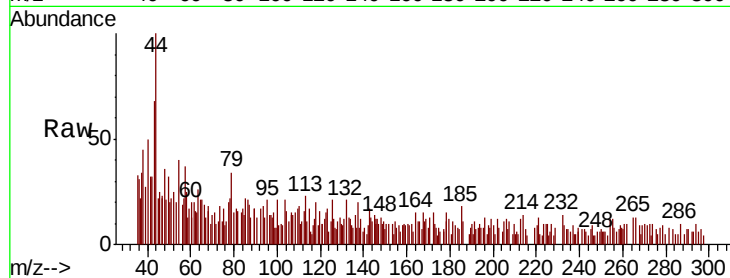
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1820

Ion Ratio Lower Upper

43 100

58 32.0 24.3 36.5



#17

Carbon Disulfide

Concen: 0.229 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013301.D

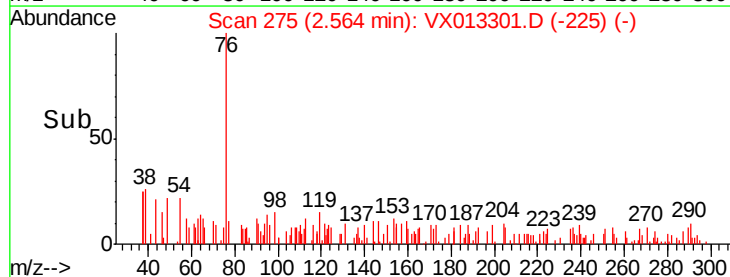
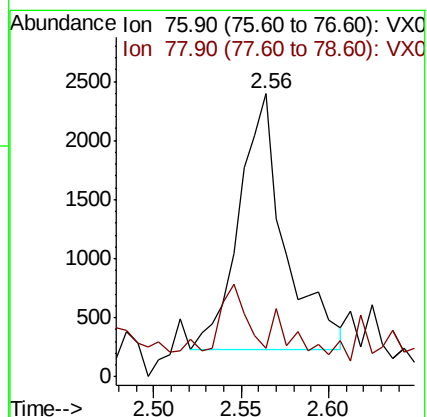
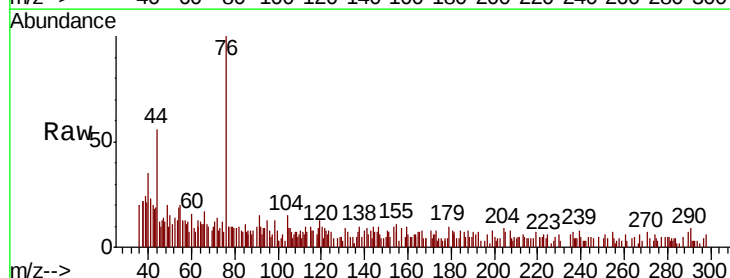
Acq: 01 Nov 2019 11:08

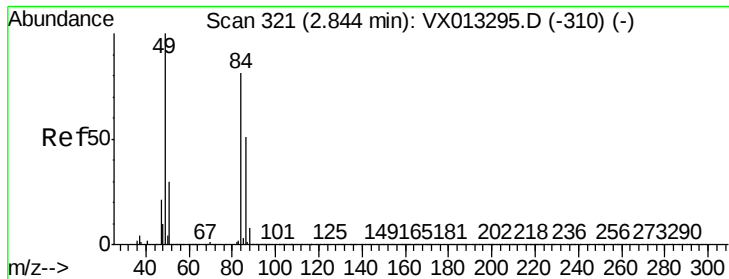
Tgt Ion: 76 Resp: 3945

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: 0.235 ug/l

RT: 2.85 min Scan# 322

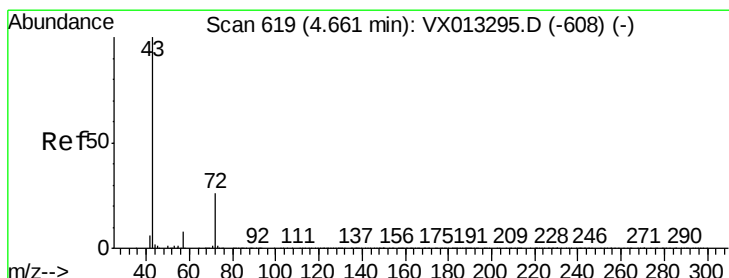
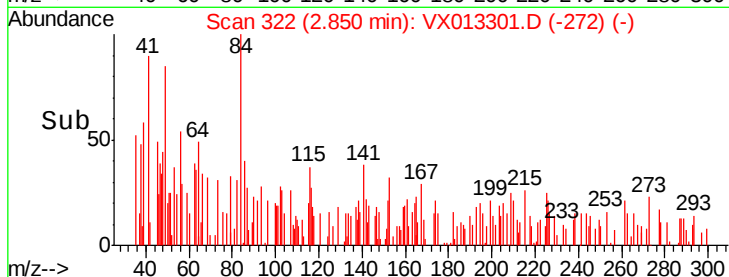
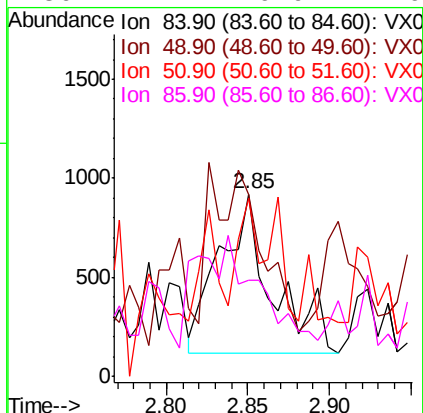
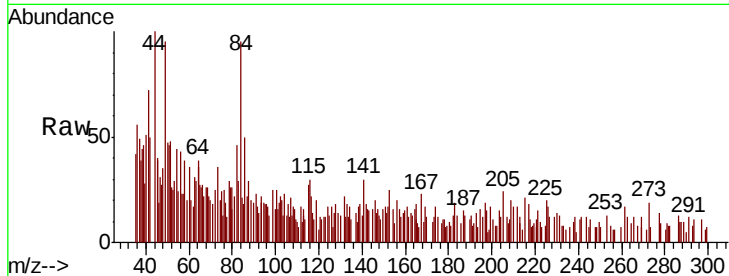
Delta R.T. 0.01 min

Lab File: VX013301.D

Acq: 01 Nov 2019 11:08

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	84	Resp:	1806
Ion	Ratio	Lower	Upper
84	100		
49	71.8	98.2	147.4#
51	78.1	29.9	44.9#
86	12.7	49.9	74.9#



#25

2-Butanone

Concen: 0.280 ug/l

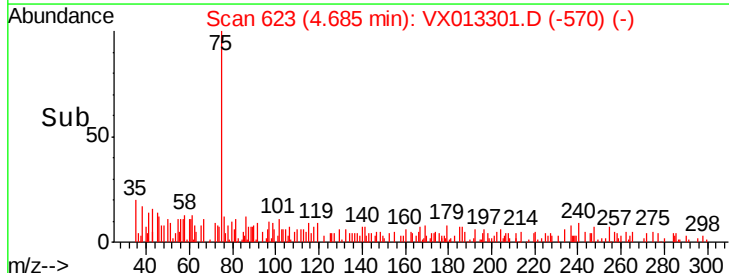
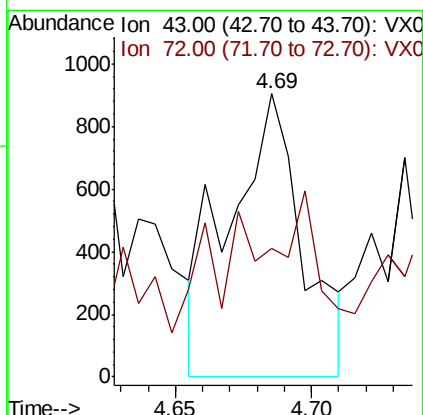
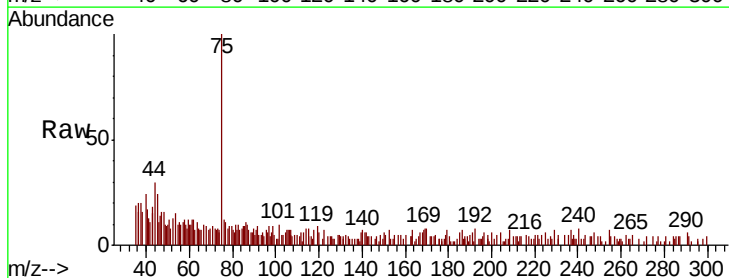
RT: 4.69 min Scan# 623

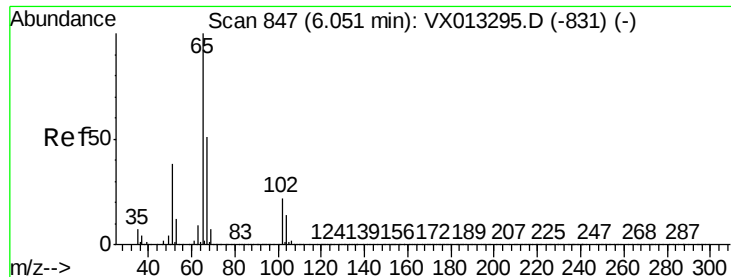
Delta R.T. 0.02 min

Lab File: VX013301.D

Acq: 01 Nov 2019 11:08

Tgt Ion:	43	Resp:	1704
Ion	Ratio	Lower	Upper
43	100		
72	30.4	21.0	31.6





#33

1,2-Dichloroethane-d4

Concen: 48.980 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013301.D

Acq: 01 Nov 2019 11:08

Instrument :

MSVOA_X

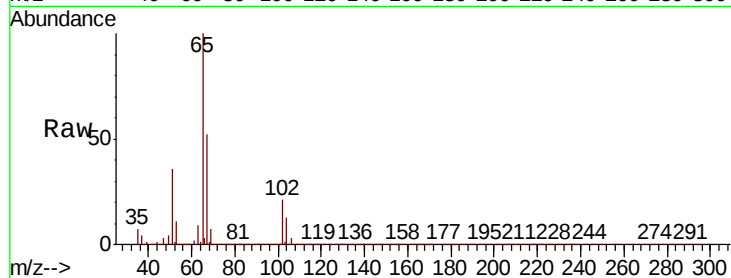
ClientSampleId :

Tot Ion: 65 Resp: 407777

Ion Ratio Lower Upper

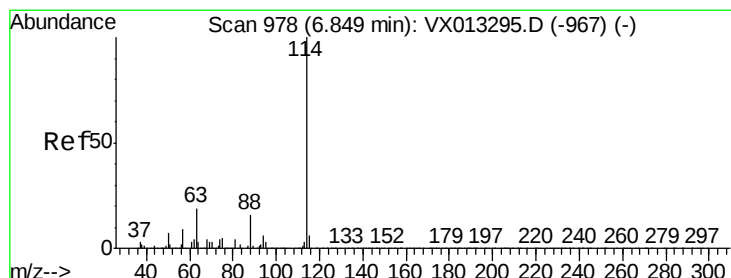
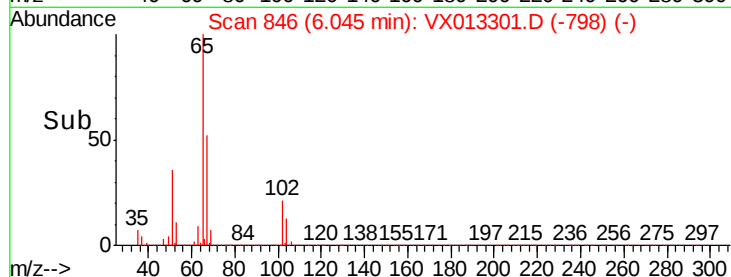
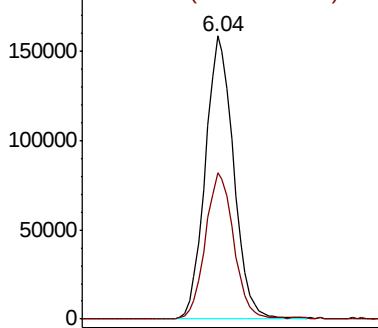
65 100

67 51.2 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: VX013301.D

Acq: 01 Nov 2019 11:08

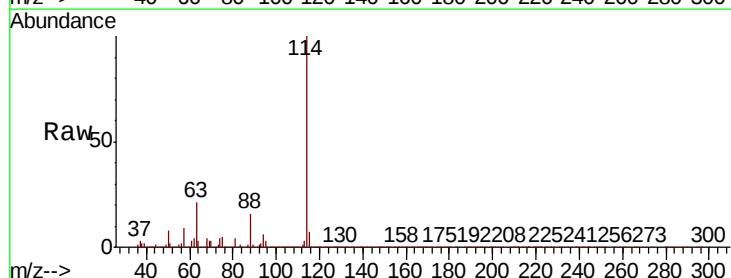
Tgt Ion: 114 Resp: 1070160

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.4

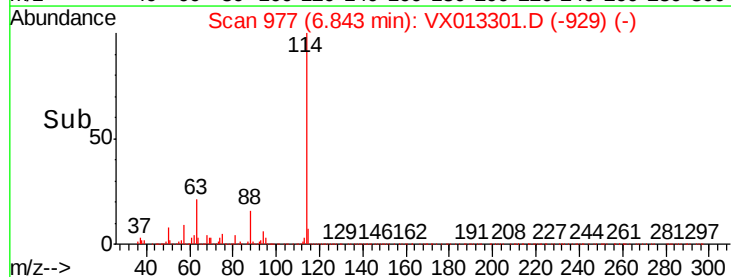
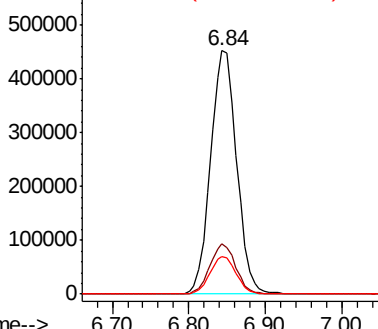
88 15.6 0.0 32.2

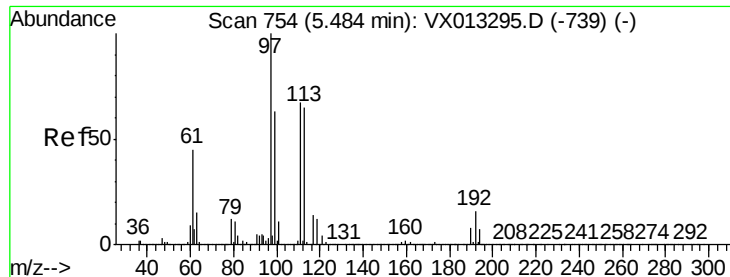


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

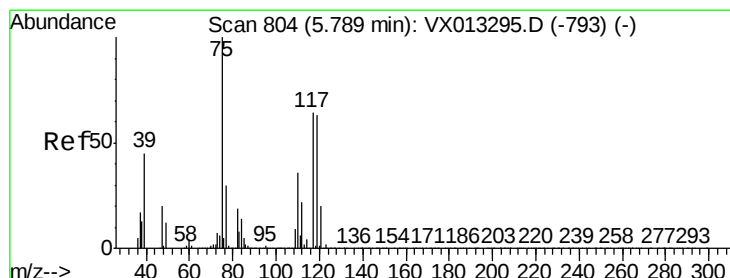
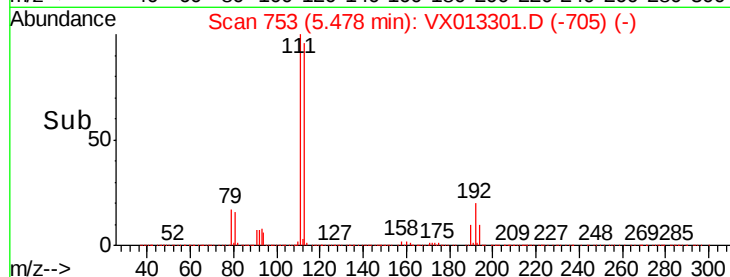
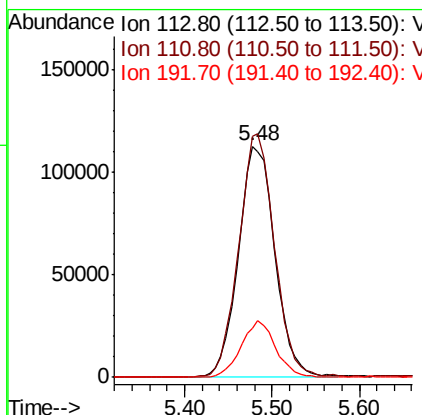
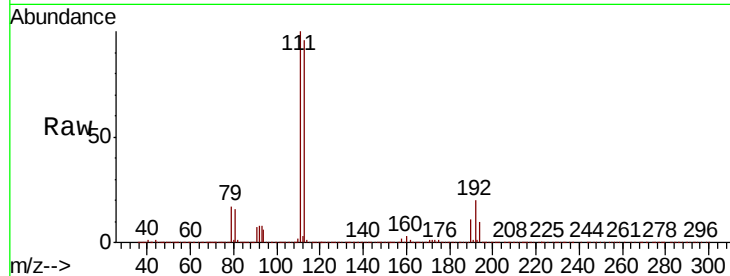




#35
 Dibromofluoromethane
 Concen: 48.413 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX013301.D
 Acq: 01 Nov 2019 11:08

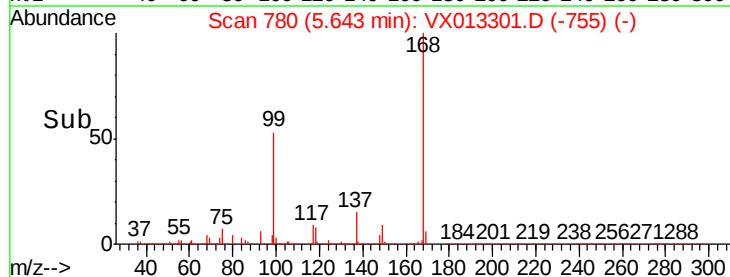
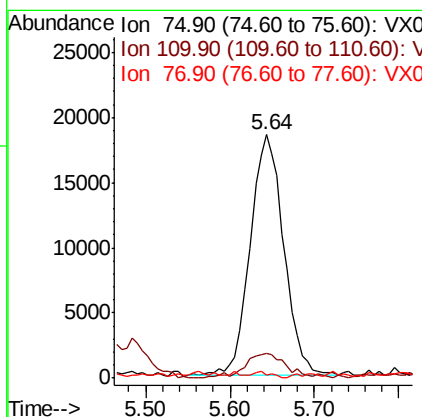
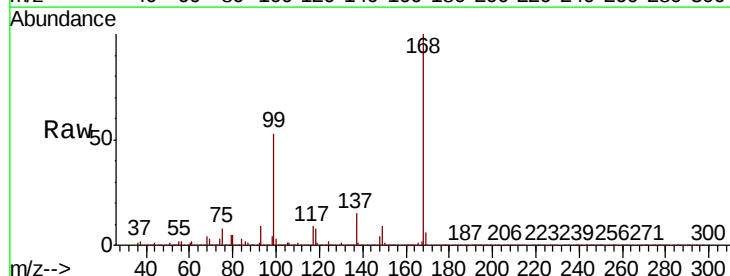
Instrument :
 MSVOA_X
 ClientSampleId :

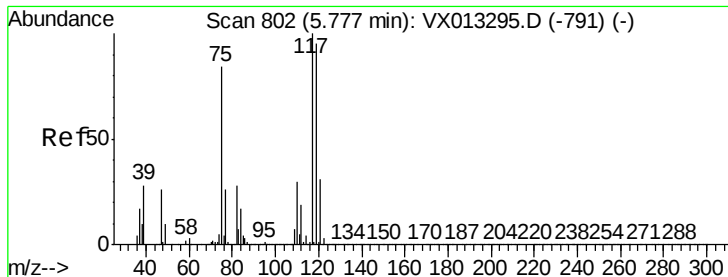
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	23.1	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 5.435 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013301.D
 Acq: 01 Nov 2019 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.5	18.1	54.1#
77	1.3	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 7.258 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.14 min

Lab File: VX013301.D

Acq: 01 Nov 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

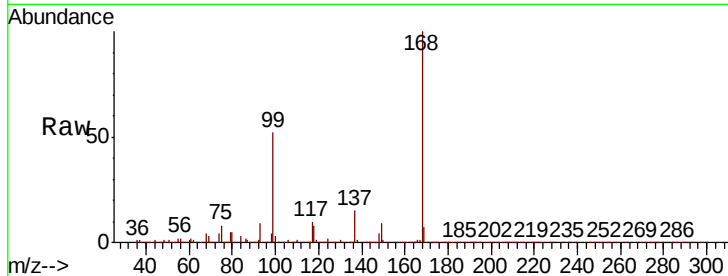
Tot Ion:117 Resp: 65161

Ion Ratio Lower Upper

117 100

119 5.9 76.1 114.1#

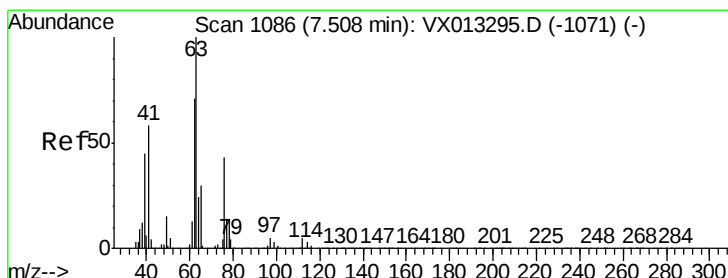
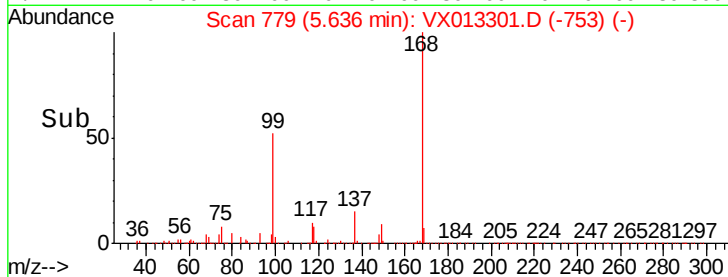
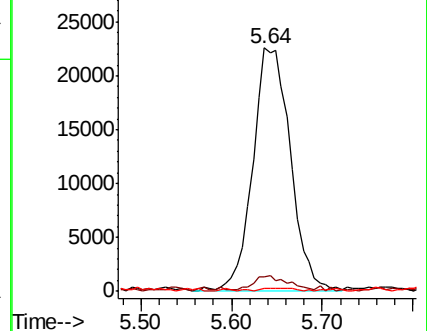
121 0.5 24.6 37.0#



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



#45

1,2-Dichloropropane

Concen: 0.267 ug/l

RT: 7.48 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VX013301.D

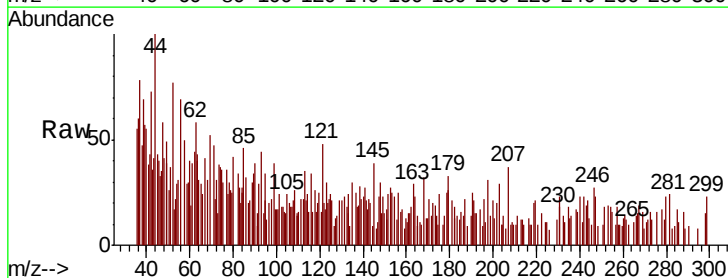
Acq: 01 Nov 2019 11:08

Tgt Ion: 63 Resp: 1947

Ion Ratio Lower Upper

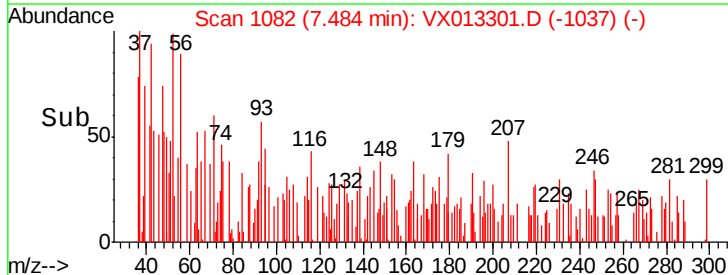
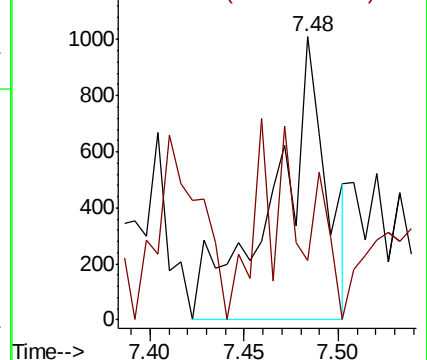
63 100

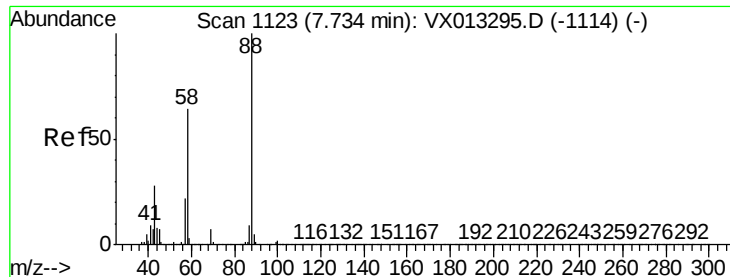
65 20.8 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

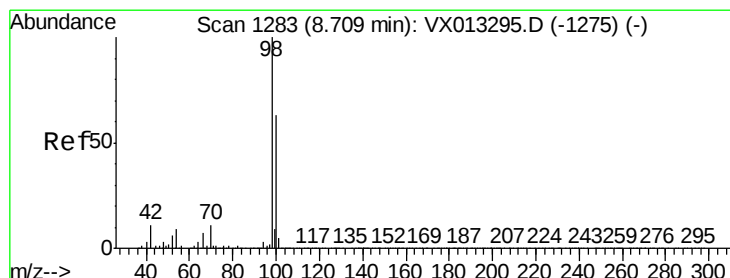
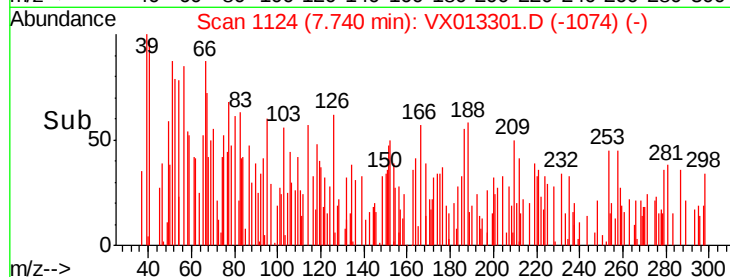
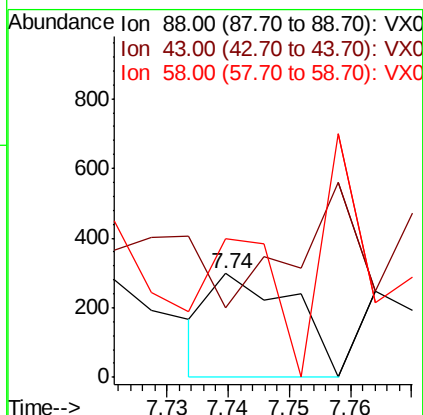
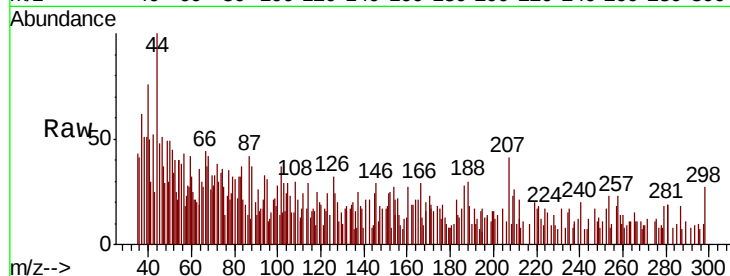




#49
1,4-Dioxane
Concen: 1.377 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013301.D
Acq: 01 Nov 2019 11:08

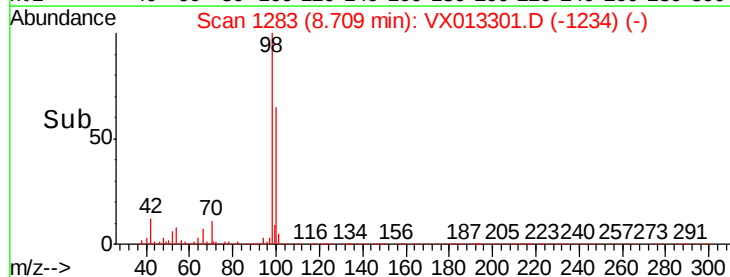
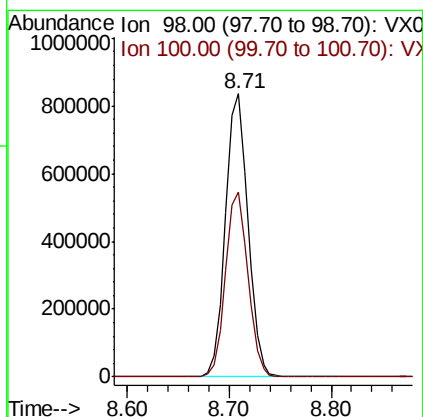
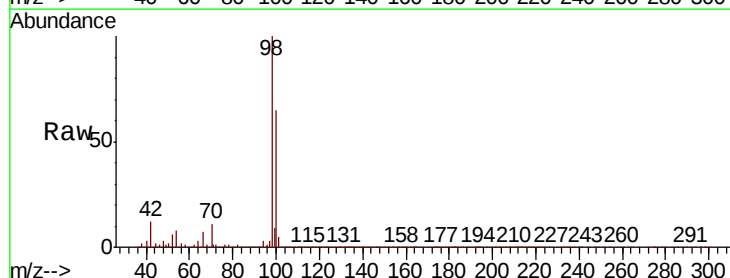
Instrument :
MSVOA_X
ClientSampleId :

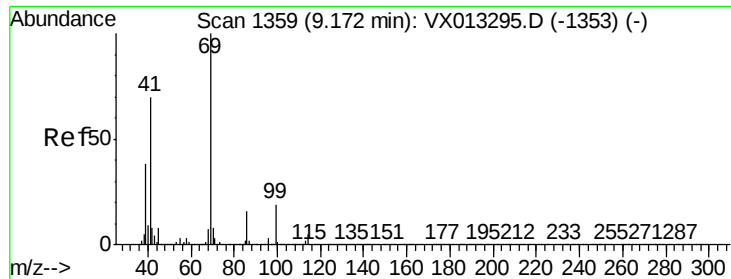
Tot Ion: 88 Resp: 278
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 102.9 55.0 82.6#



#50
Toluene-d8
Concen: 50.591 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013301.D
Acq: 01 Nov 2019 11:08

Tgt Ion: 98 Resp: 1280155
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.596 ug/l

RT: 9.14 min Scan# 1354

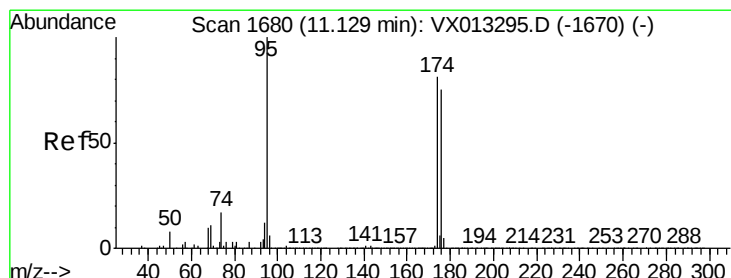
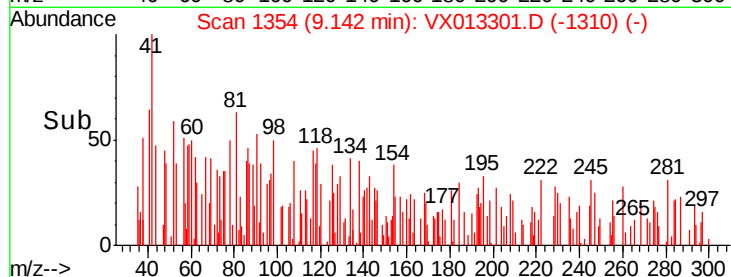
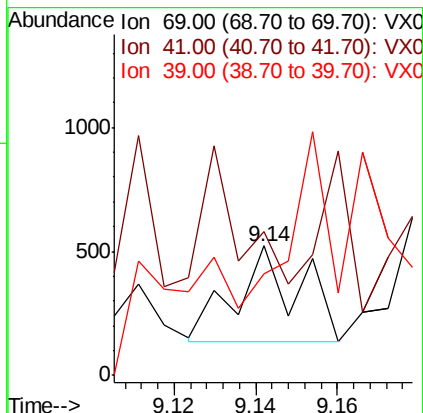
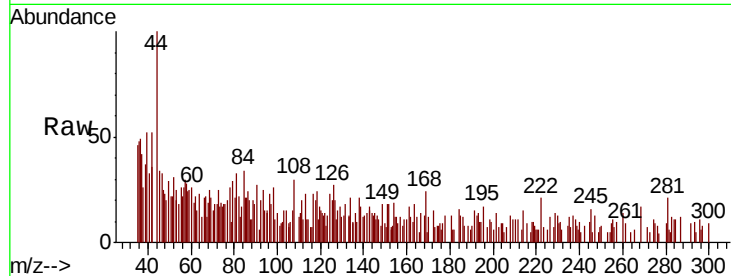
Delta R.T. -0.03 min

Lab File: VX013301.D

Acq: 01 Nov 2019 11:08

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69	Resp:	423
Ion	Ratio	Lower	Upper
69	100		
41	63.6	56.2	84.2
39	95.3	31.1	46.7#



#62

4-Bromofluorobenzene

Concen: 46.904 ug/l

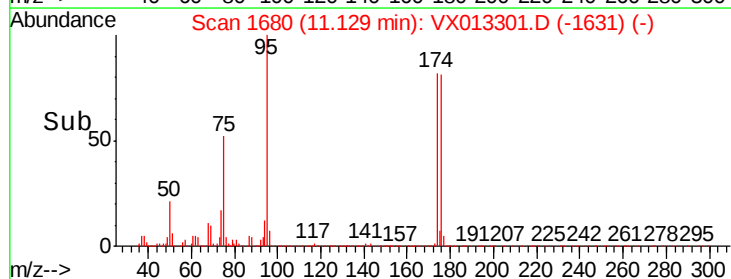
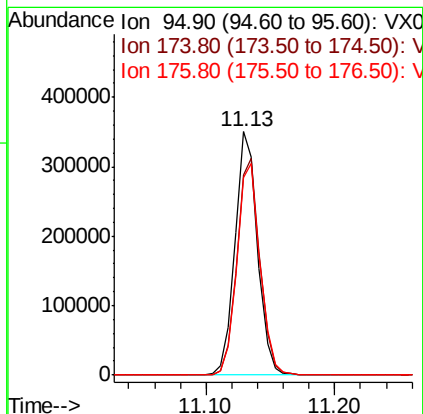
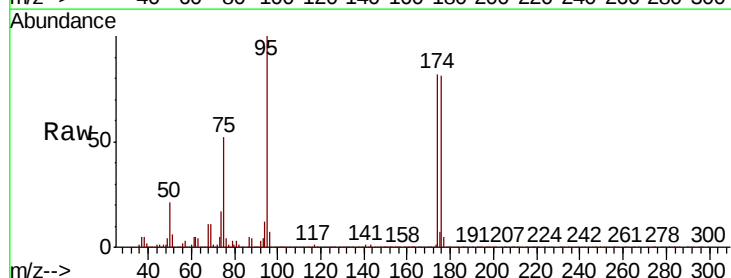
RT: 11.13 min Scan# 1680

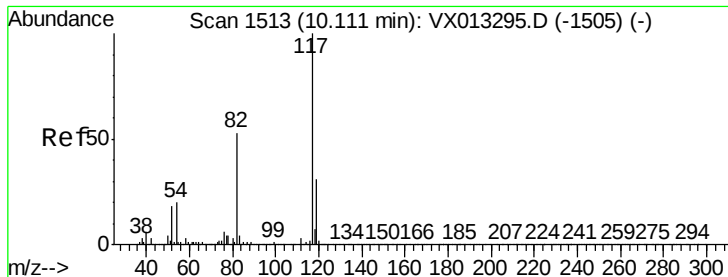
Delta R.T. 0.00 min

Lab File: VX013301.D

Acq: 01 Nov 2019 11:08

Tgt Ion:	95	Resp:	428351
Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	179.8
176	88.9	0.0	173.0

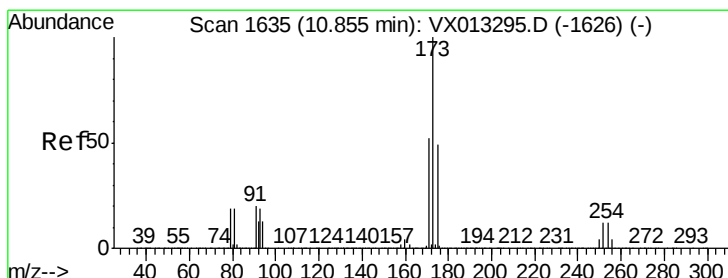
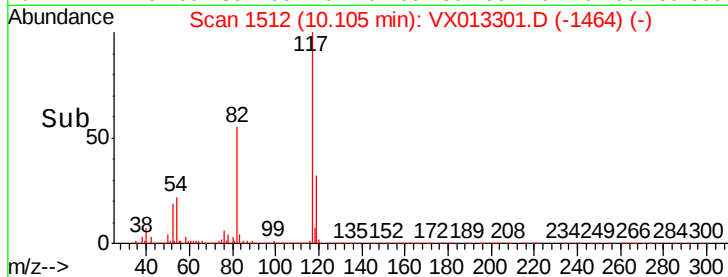
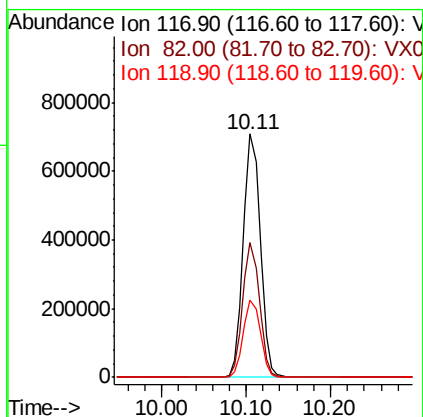
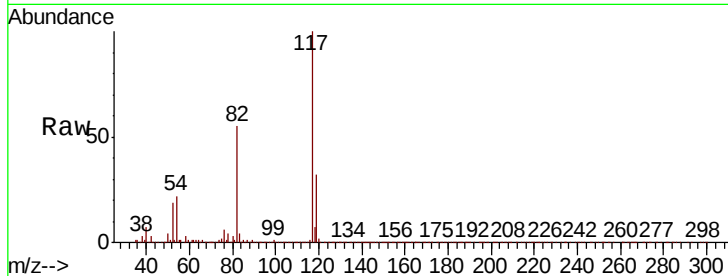




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013301.D
Acq: 01 Nov 2019 11:08

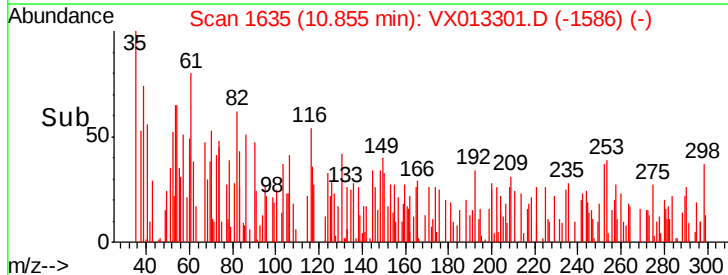
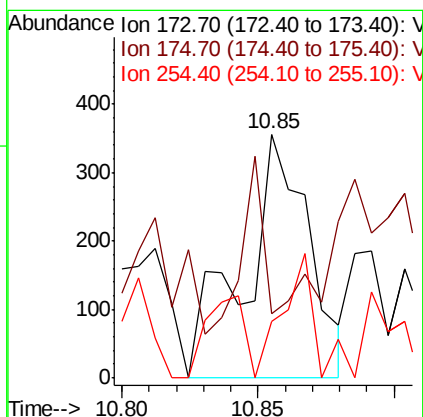
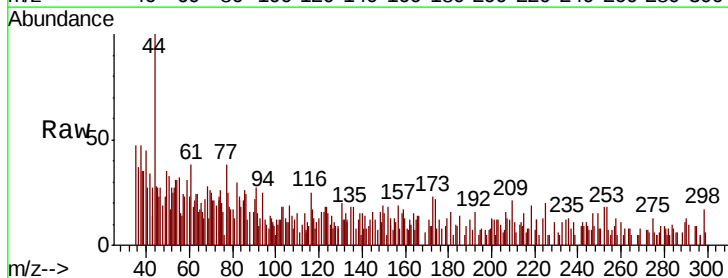
Instrument :
MSVOA_X
ClientSampled :

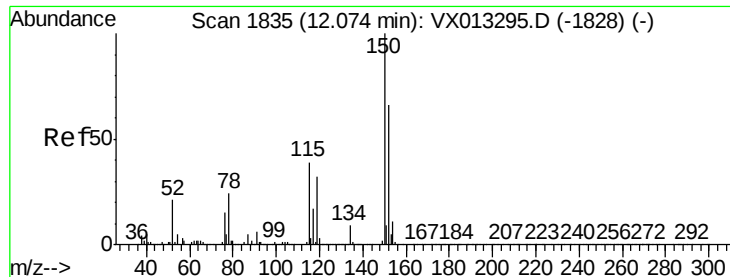
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.6	64.0
119	31.8	24.8	37.2



#71
Bromoform
Concen: 3.286 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013301.D
Acq: 01 Nov 2019 11:08

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.8	74.4#
254	19.6	0.2	0.2#



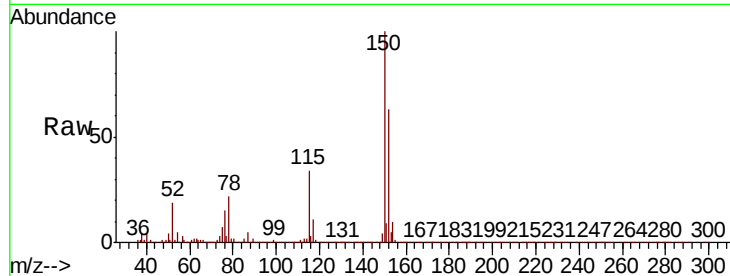


#72

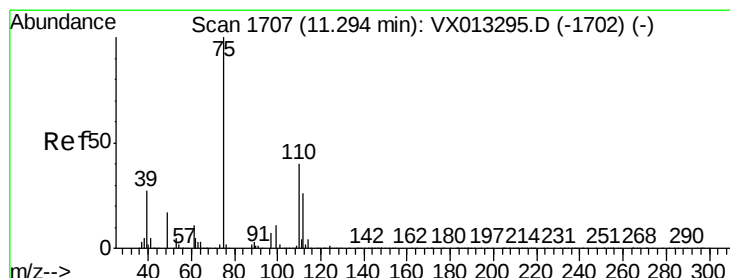
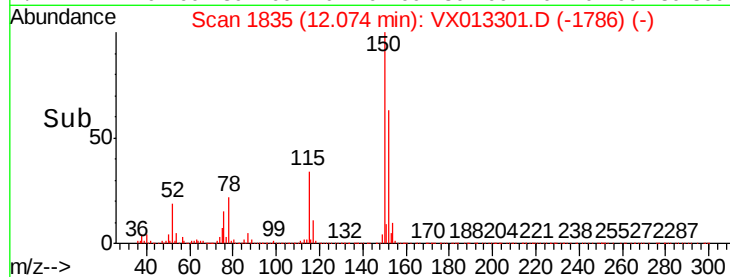
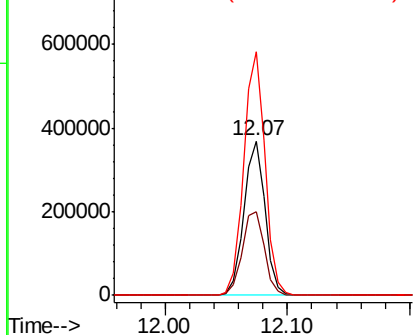
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013301.D
Acq: 01 Nov 2019 11:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.8	39.5	118.3
150	158.3	0.0	344.4



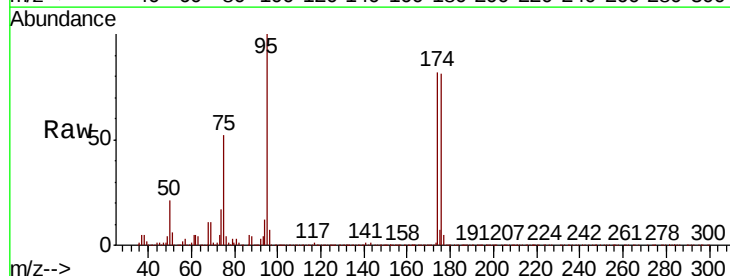
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



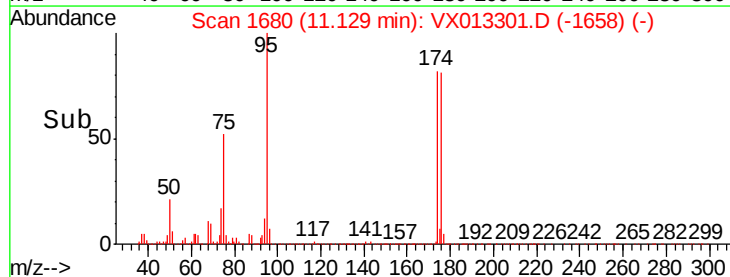
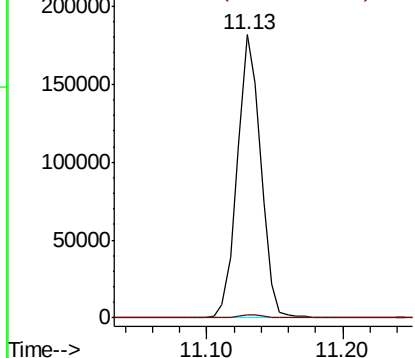
#76

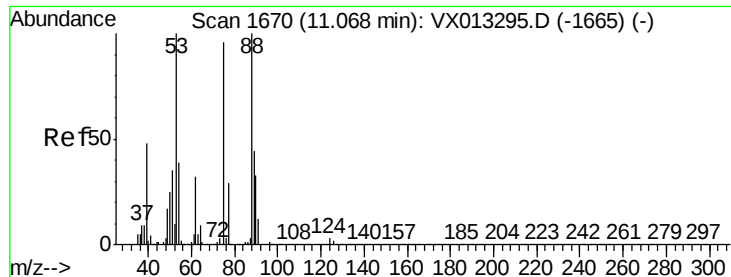
1,2,3-Trichloropropane
Concen: 24.475 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013301.D
Acq: 01 Nov 2019 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 62.998 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013301.D
Acq: 01 Nov 2019 11:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.2	81.0	121.6#
89	0.1	36.0	54.0#

