

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013469.D
 Acq On : 20 Nov 2019 10:35
 Operator : JC/SP
 Sample : VX1120WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 21 00:43:47 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	668180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1096035	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	964853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	436231	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	398791	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
35) Dibromofluoromethane	5.48	113	334365	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
50) Toluene-d8	8.71	98	1300539	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	431995	46.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.38%	

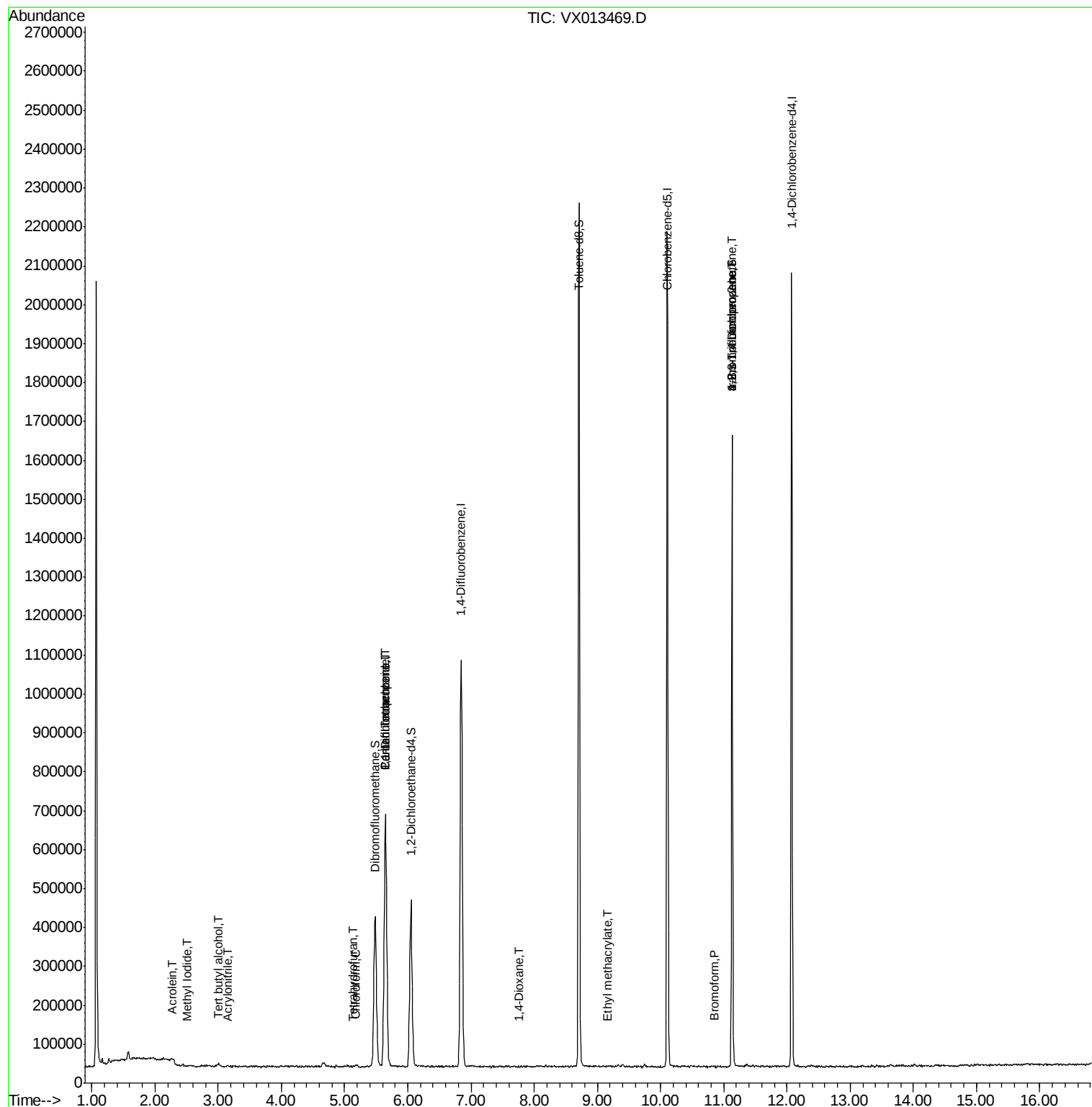
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	901	Below Cal	#	43
10) Methyl Iodide	2.51	142	2265	0.292	ug/l #	77
11) Tert butyl alcohol	3.00	59	5212	2.498	ug/l #	86
13) Acrolein	2.28	56	861	0.761	ug/l	91
15) Acrylonitrile	3.15	53	1070	0.275	ug/l #	49
29) Tetrahydrofuran	5.14	42	907	0.254	ug/l	93
30) Chloroform	5.19	83	4314	0.363	ug/l	87
36) 1,1-Dichloropropene	5.65	75	45154	4.802	ug/l #	53
38) Carbon Tetrachloride	5.64	117	59834	6.508	ug/l #	16
49) 1,4-Dioxane	7.75	88	726	3.510	ug/l #	26
56) Ethyl methacrylate	9.17	69	425	1.595	ug/l #	20
71) Bromoform	10.85	173	338	3.250	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	210435	23.750	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	210435	61.132	ug/l #	10

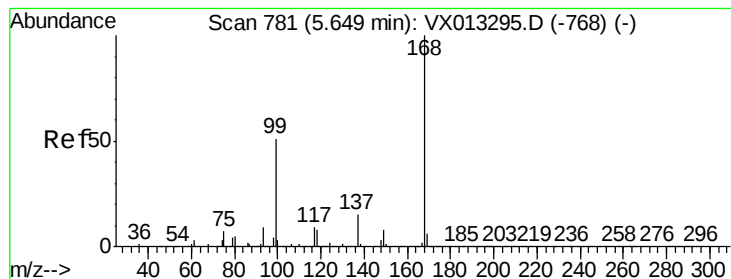
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 21 00:43:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

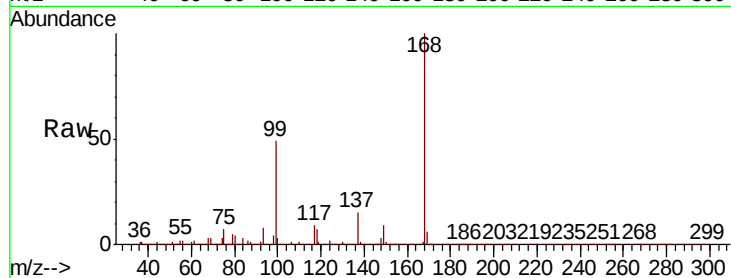
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 668180

Ion Ratio Lower Upper

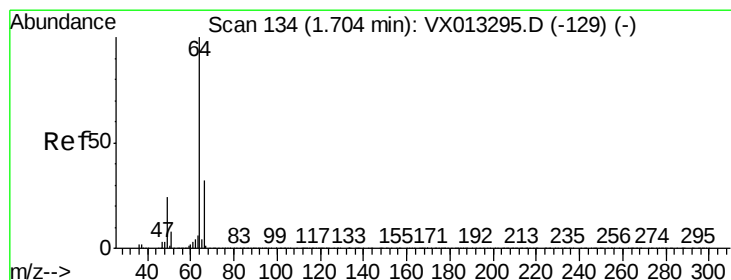
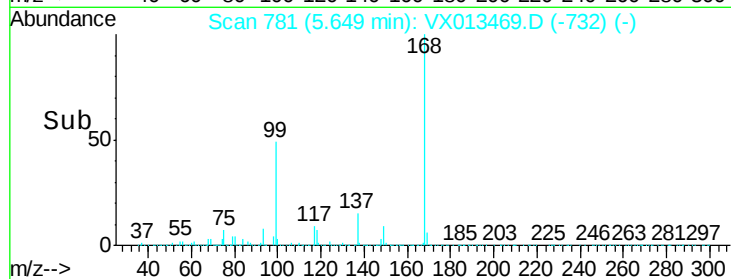
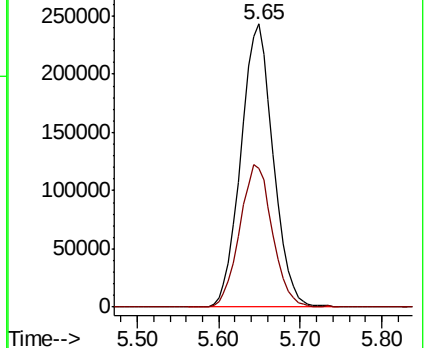
168 100

99 48.8 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: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX013469.D

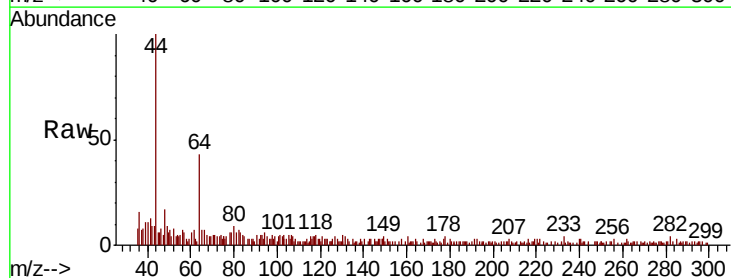
Acq: 20 Nov 2019 10:35

Tgt Ion: 64 Resp: 901

Ion Ratio Lower Upper

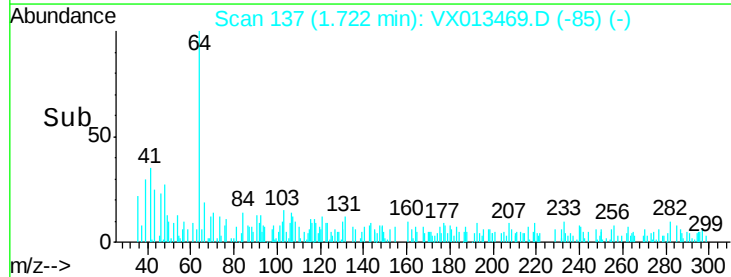
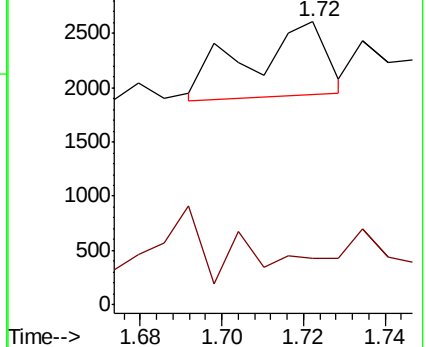
64 100

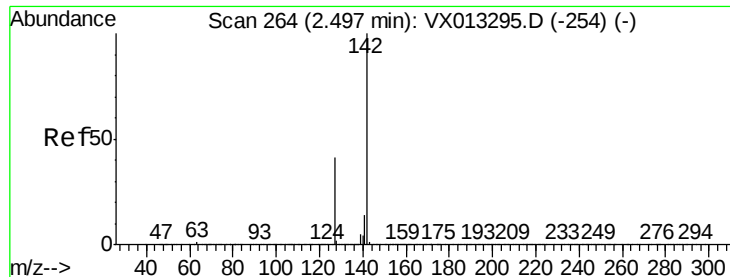
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

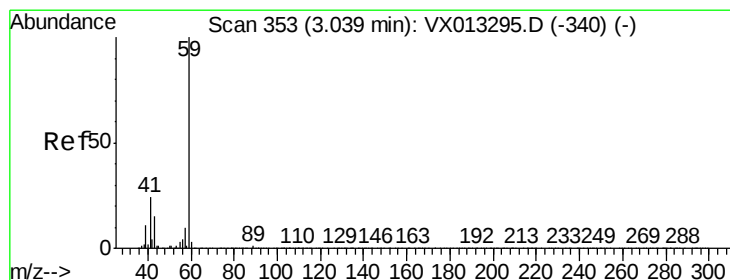
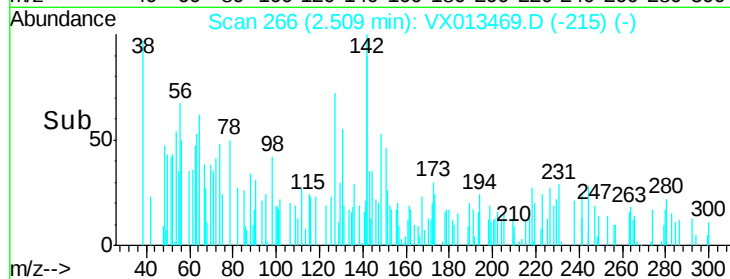
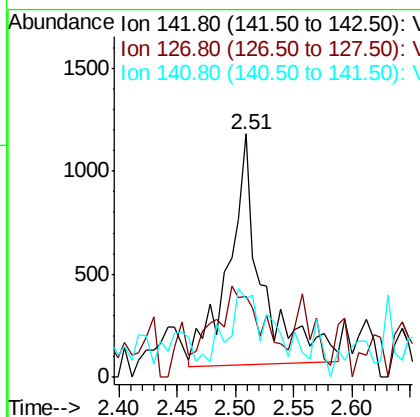
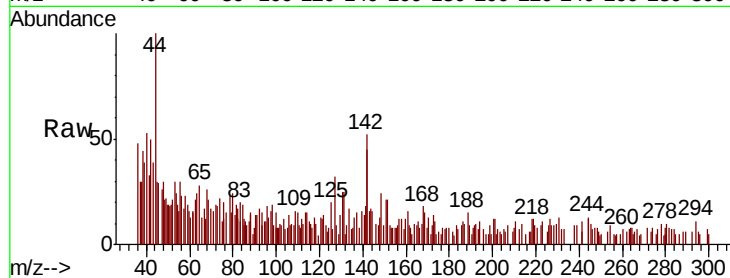




#10
Methvl Iodide
Concen: 0.292 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013469.D
Acq: 20 Nov 2019 10:35

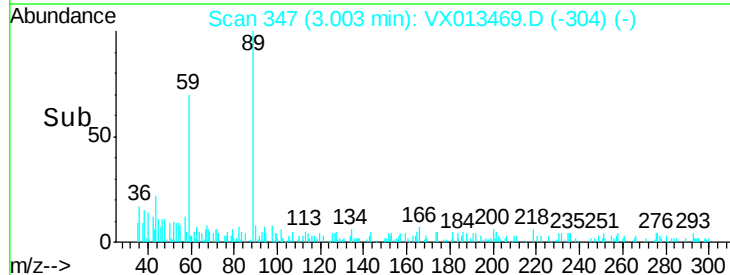
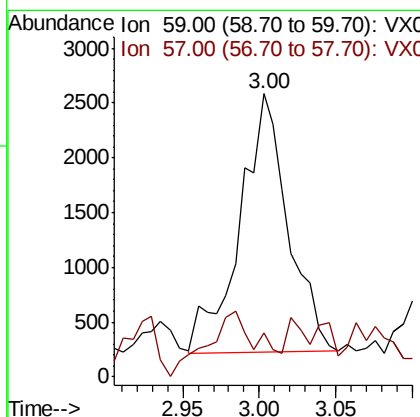
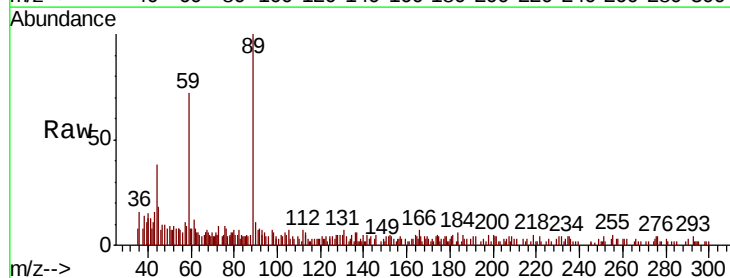
Instrument :
MSVOA_X
ClientSampleId :

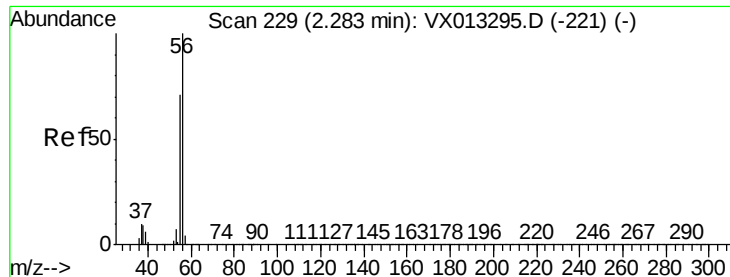
Tot Ion:142 Resp: 2265
Ion Ratio Lower Upper
142 100
127 32.2 32.6 49.0#
141 35.4 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.498 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX013469.D
Acq: 20 Nov 2019 10:35

Tgt Ion: 59 Resp: 5212
Ion Ratio Lower Upper
59 100
57 4.7 8.0 12.0#





#13

Acrolein

Concen: 0.761 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

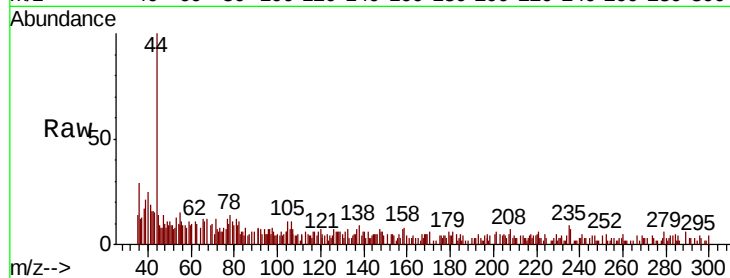
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 861

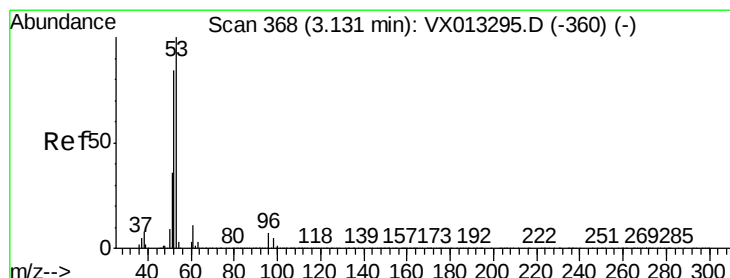
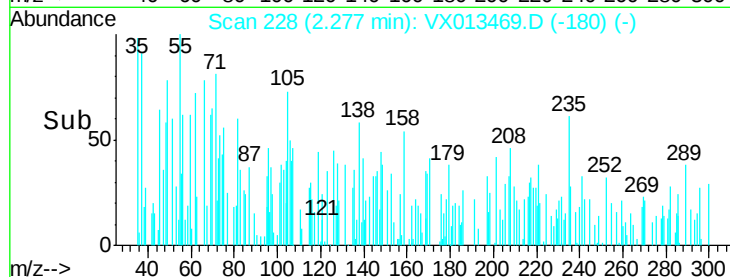
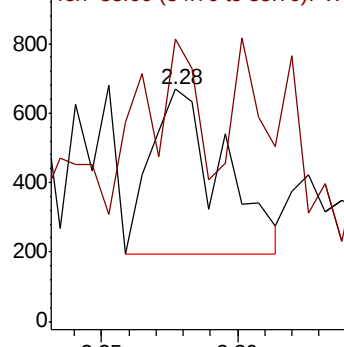
Ion Ratio Lower Upper

56 100

55 79.0 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: 0.275 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

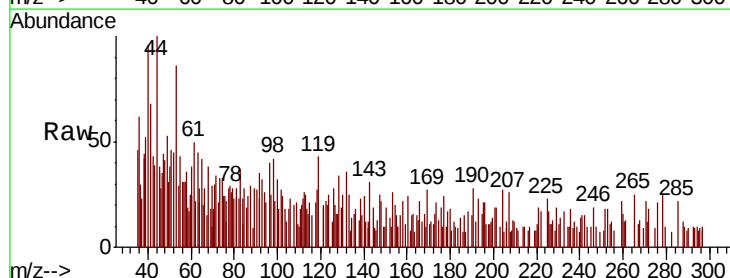
Tgt Ion: 53 Resp: 1070

Ion Ratio Lower Upper

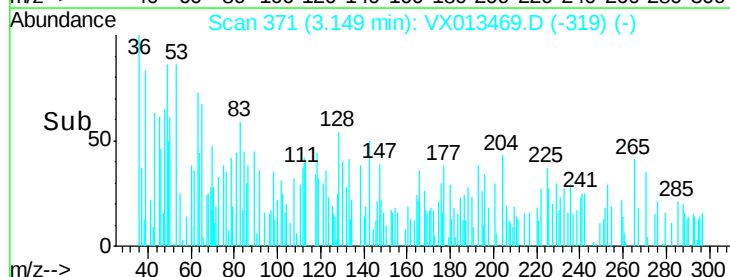
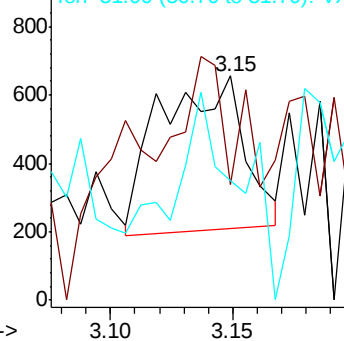
53 100

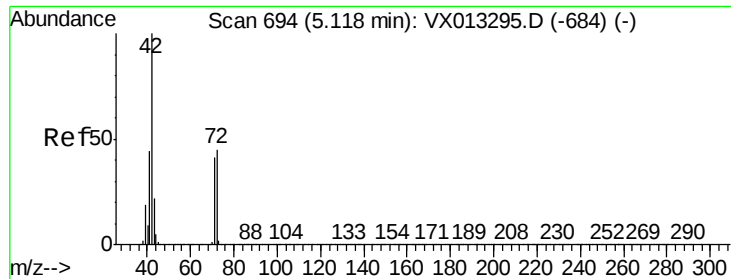
52 99.2 67.4 101.0

51 113.3 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0





#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 5.14 min Scan# 697

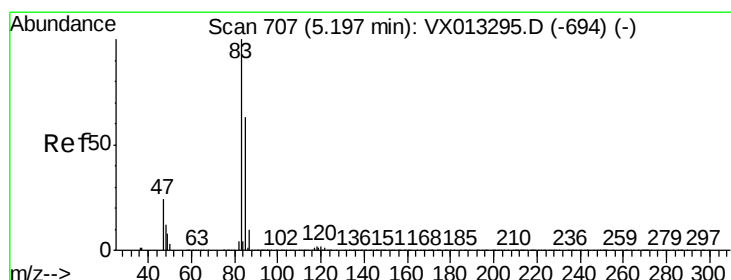
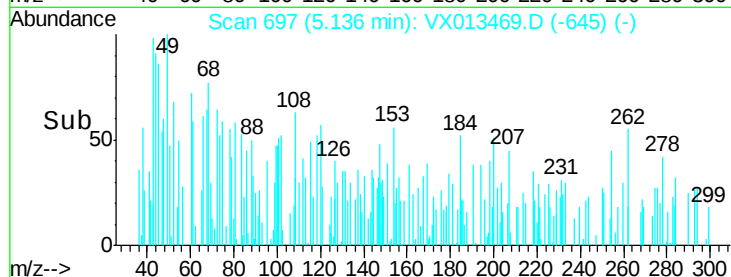
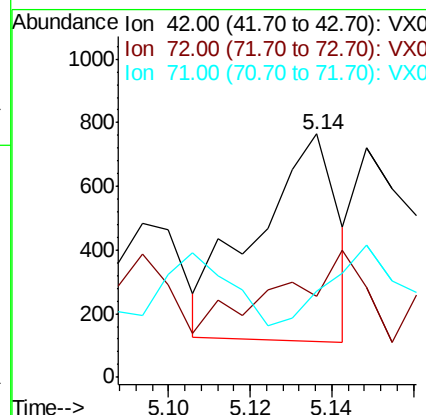
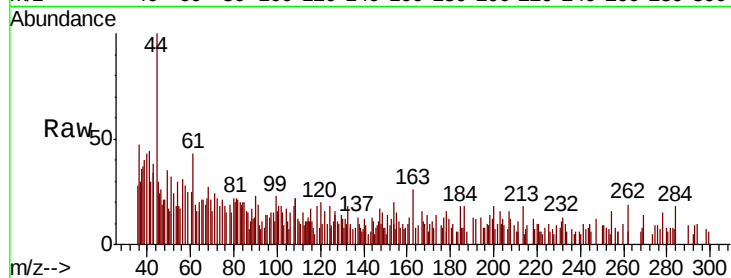
Delta R.T. 0.02 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	42.00	Resp:	907
Ion	Ratio	Lower	Upper
42	100		
72	38.6	35.8	53.8
71	39.1	33.4	50.0



#30

Chloroform

Concen: 0.363 ug/l

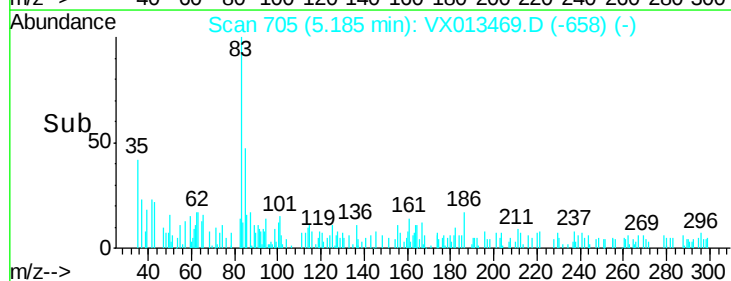
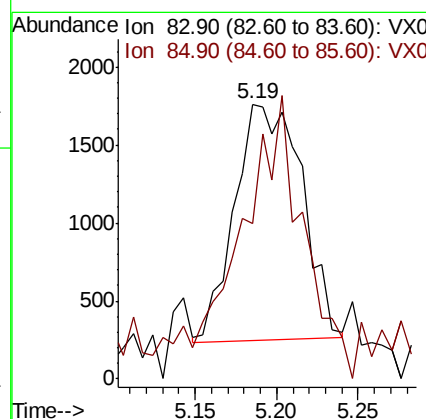
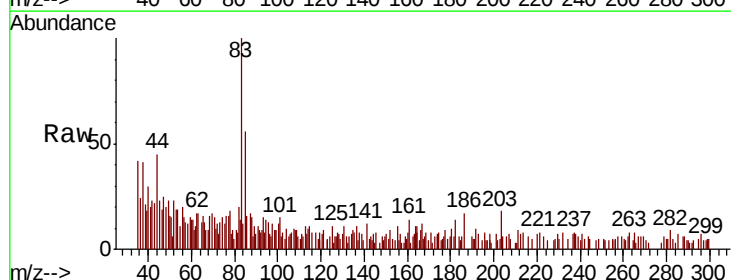
RT: 5.19 min Scan# 705

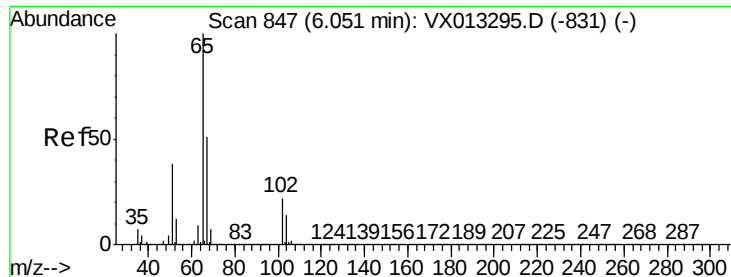
Delta R.T. -0.01 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

Tgt Ion:	83	Resp:	4314
Ion	Ratio	Lower	Upper
83	100		
85	53.1	50.2	75.4





#33

1,2-Dichloroethane-d4

Concen: 50.378 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

Instrument :

MSVOA_X

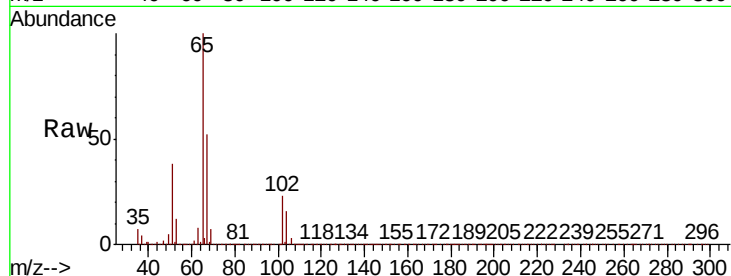
ClientSampleId :

Tot Ion: 65 Resp: 398791

Ion Ratio Lower Upper

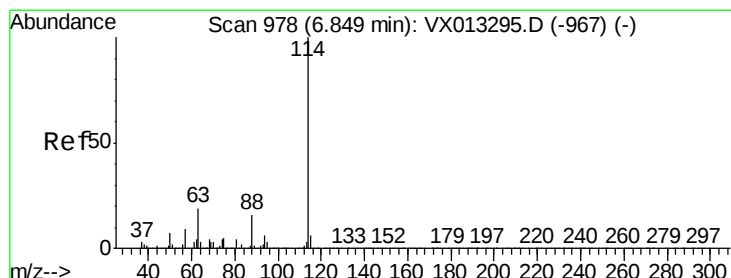
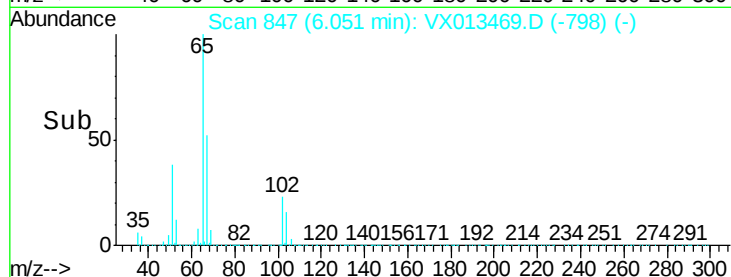
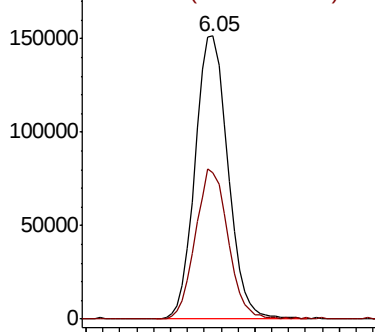
65 100

67 53.0 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: VX013469.D

Acq: 20 Nov 2019 10:35

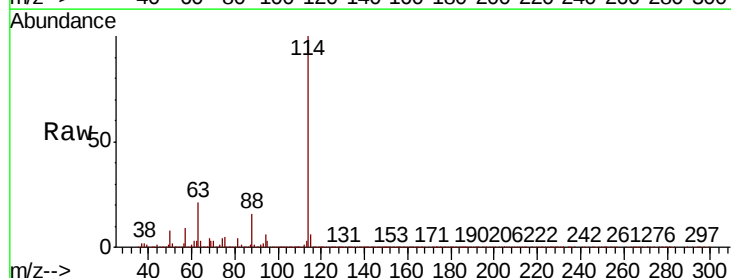
Tgt Ion: 114 Resp: 1096035

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

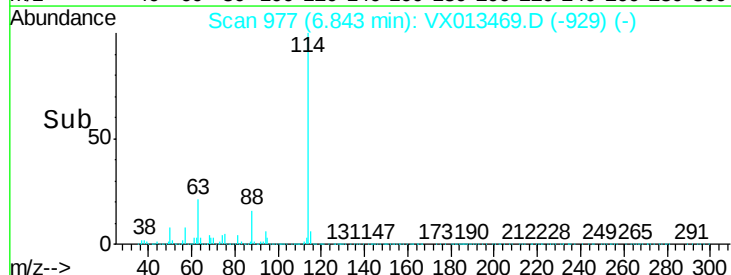
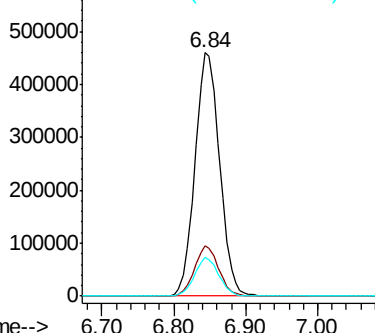
88 15.9 0.0 32.2

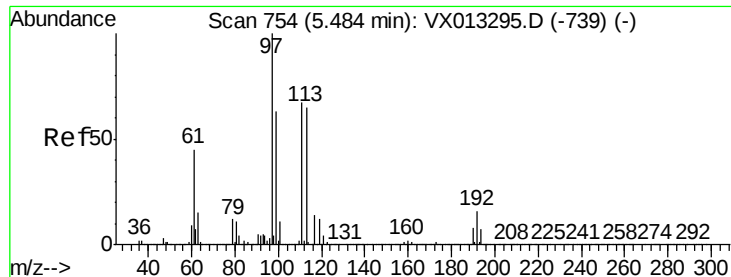


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

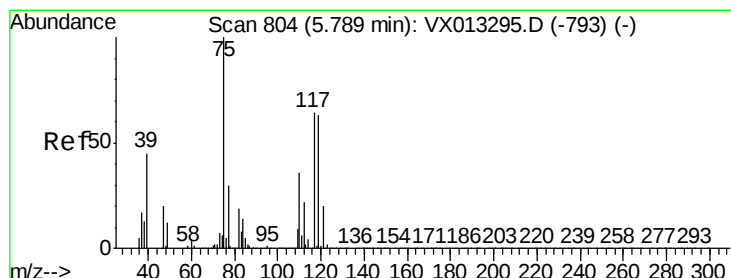
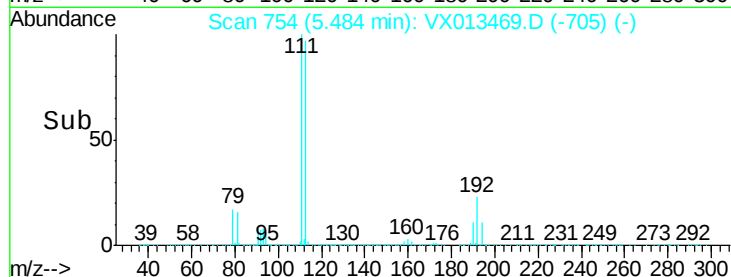
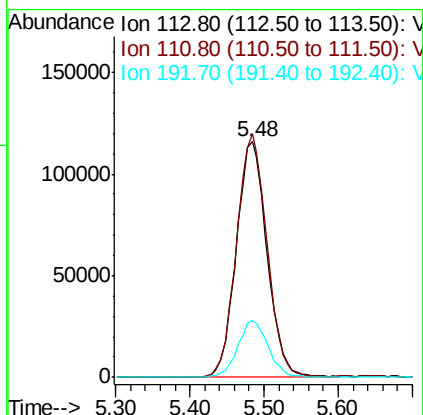
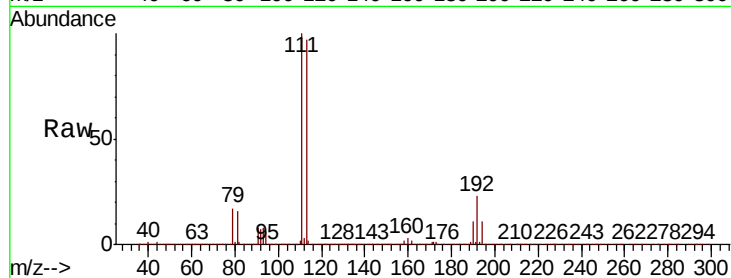




#35
Dibromofluoromethane
Concen: 48.639 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013469.D
Acq: 20 Nov 2019 10:35

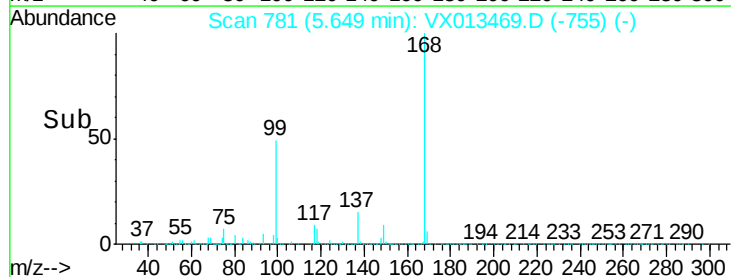
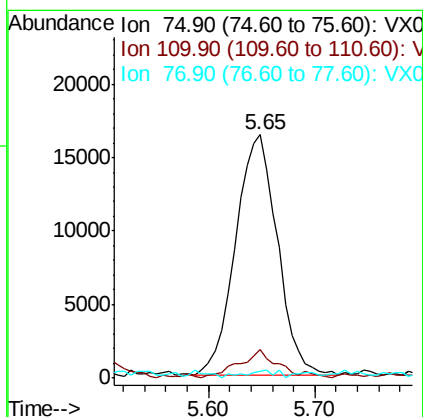
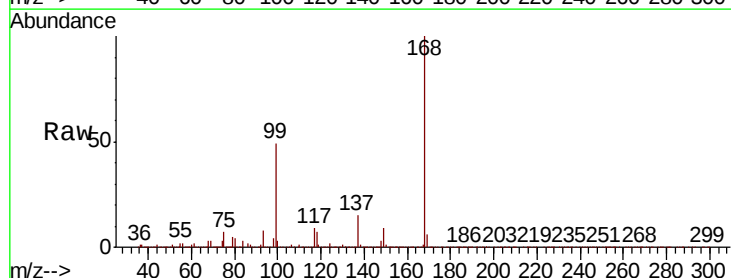
Instrument :
MSVOA_X
ClientSampleId :

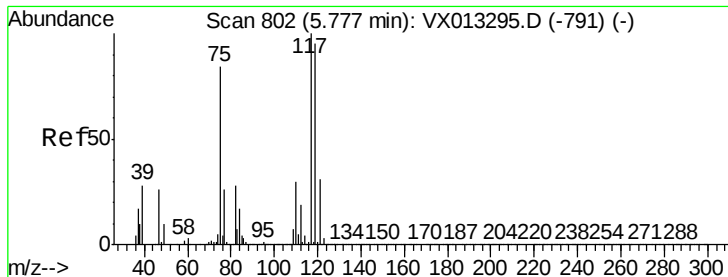
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	23.5	19.1	28.7



#36
1,1-Dichloropropene
Concen: 4.802 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013469.D
Acq: 20 Nov 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.1	54.1#
77	2.5	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.508 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

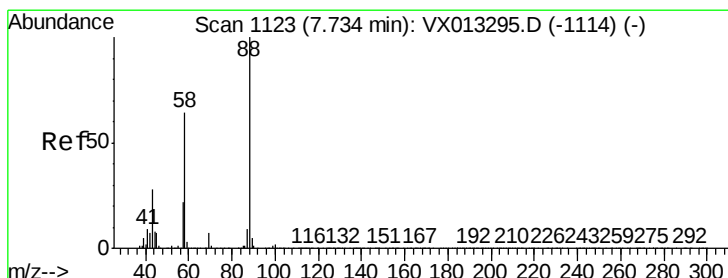
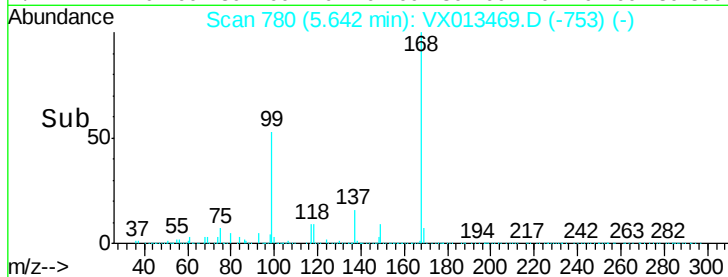
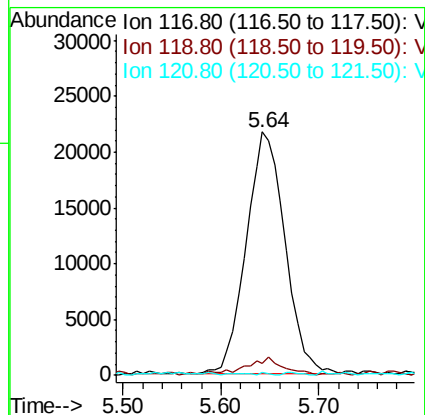
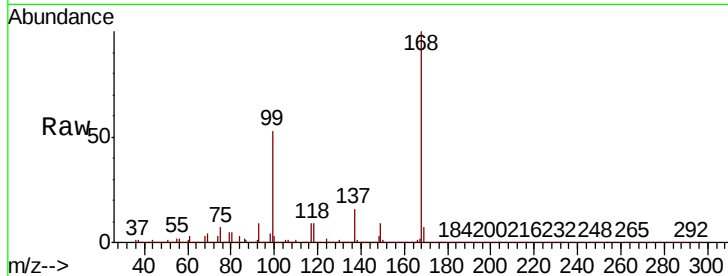
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 59834

Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.1	114.1#
121	0.7	24.6	37.0#



#49

1,4-Dioxane

Concen: 3.510 ug/l

RT: 7.75 min Scan# 1126

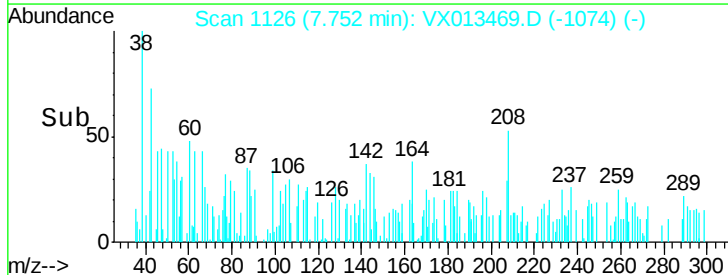
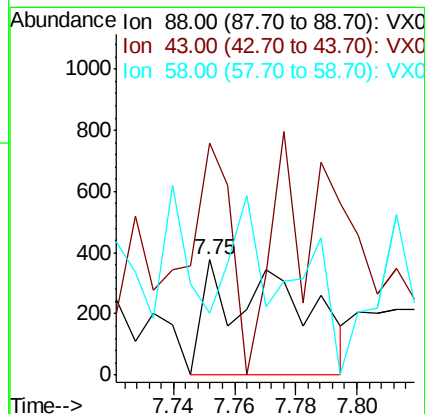
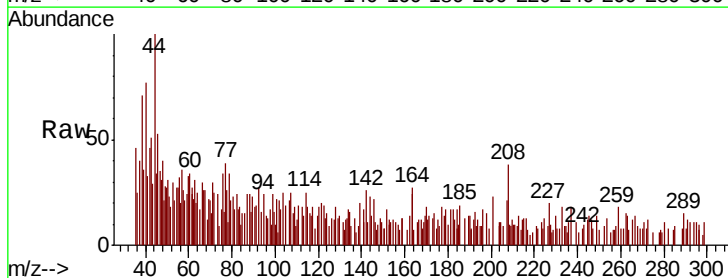
Delta R.T. 0.02 min

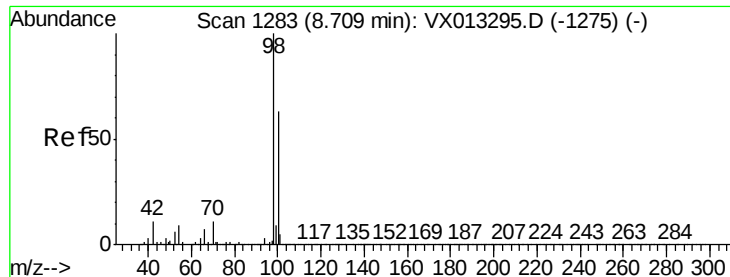
Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

Tgt Ion: 88 Resp: 726

Ion	Ratio	Lower	Upper
88	100		
43	104.7	26.6	39.8#
58	28.5	55.0	82.6#





#50

Toluene-d8

Concen: 50.183 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

Instrument :

MSVOA_X

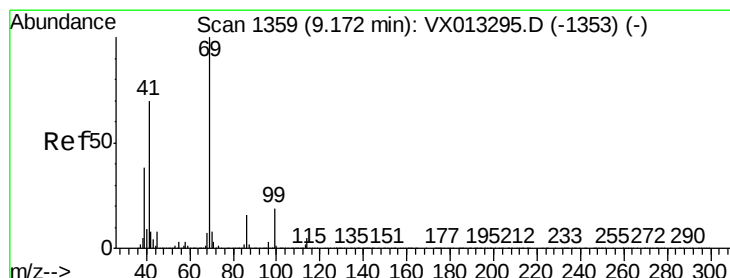
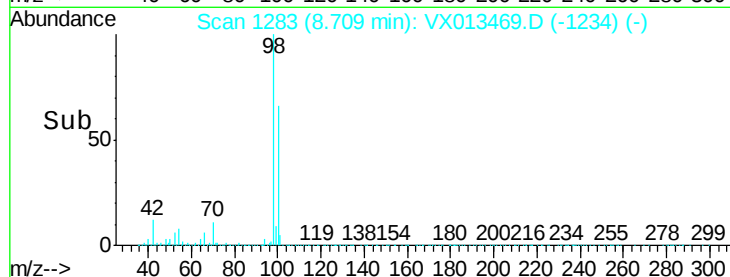
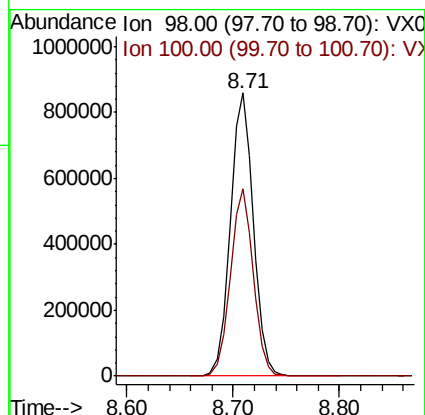
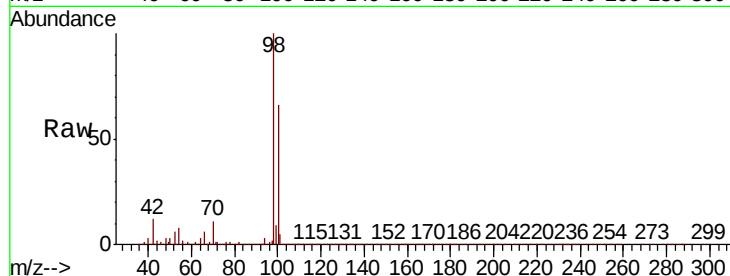
ClientSampleId :

Tot Ion: 98 Resp: 1300539

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.595 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

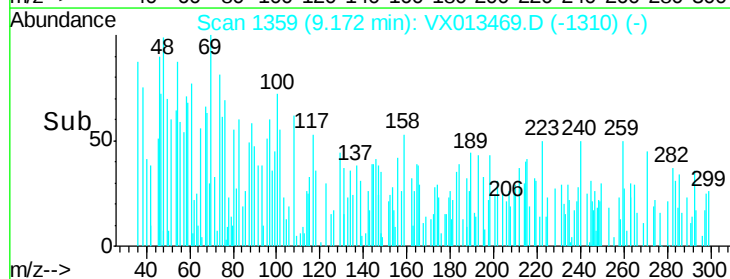
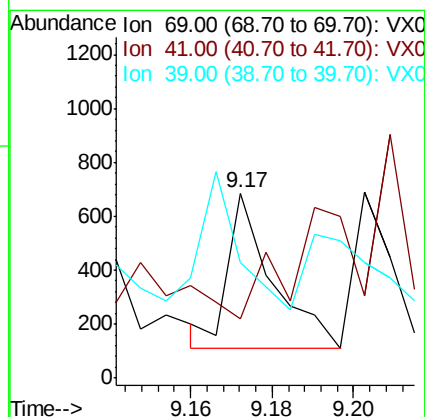
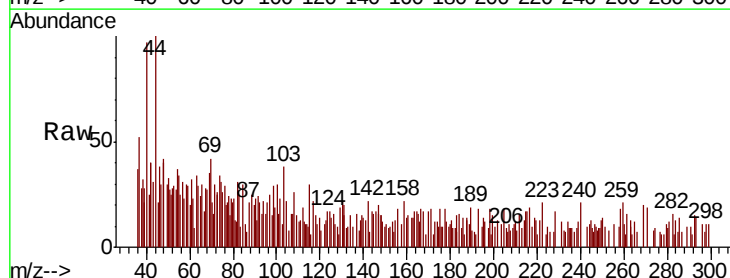
Tgt Ion: 69 Resp: 425

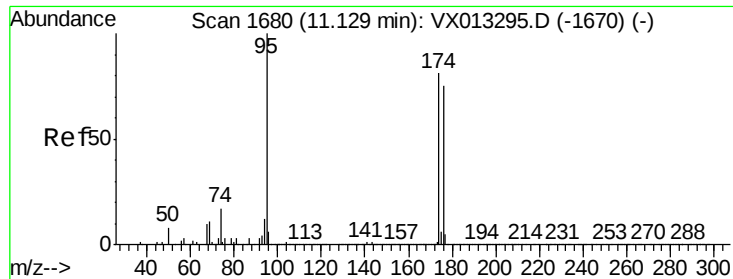
Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 81.2 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.187 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampleId :

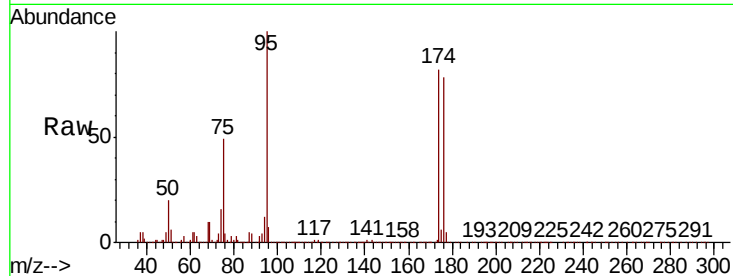
Tot Ion: 95 Resp: 431995

Ion Ratio Lower Upper

95 100

174 88.6 0.0 179.8

176 86.3 0.0 173.0

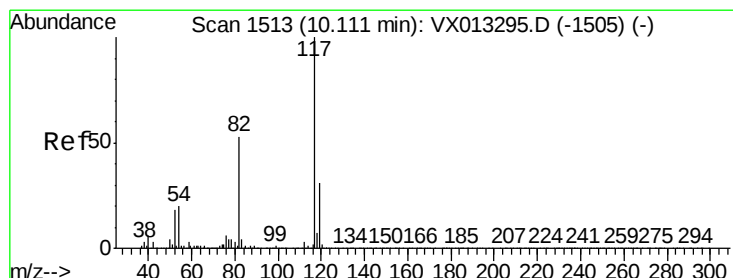
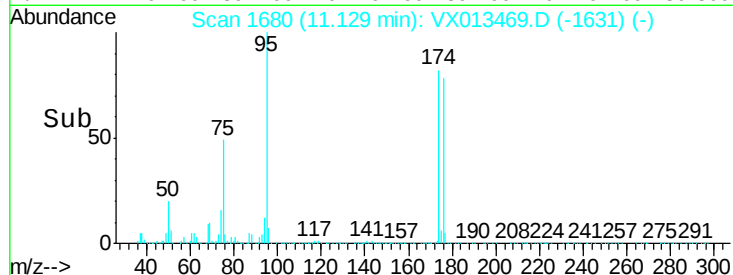


Abundance Ion 94.90 (94.60 to 95.60): VX013295.D (-1670) (-)

Ion 173.80 (173.50 to 174.50): VX013295.D (-1670) (-)

Ion 175.80 (175.50 to 176.50): VX013295.D (-1670) (-)

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

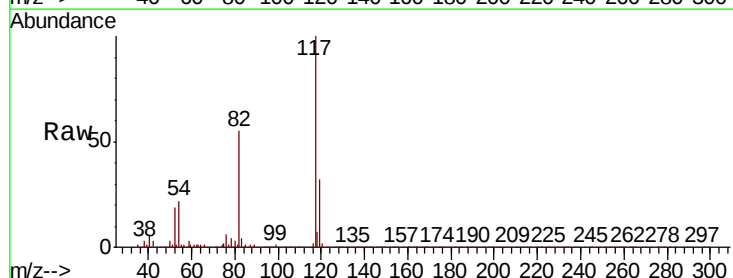
Tgt Ion: 117 Resp: 964853

Ion Ratio Lower Upper

117 100

82 55.2 42.6 64.0

119 31.9 24.8 37.2

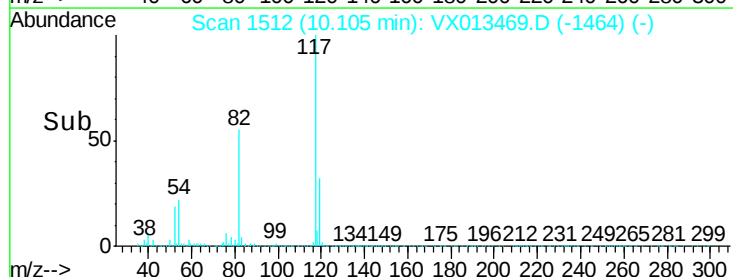


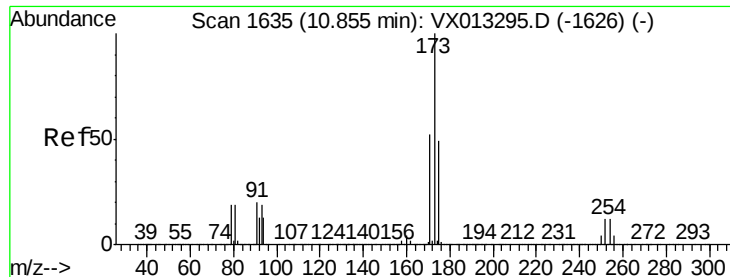
Abundance Ion 116.90 (116.60 to 117.60): VX013295.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX013295.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX013295.D (-1505) (-)

Time--> 10.00 10.10 10.20 10.30





#71

Bromoform

Concen: 3.250 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

Instrument :

MSVOA_X

ClientSampleId :

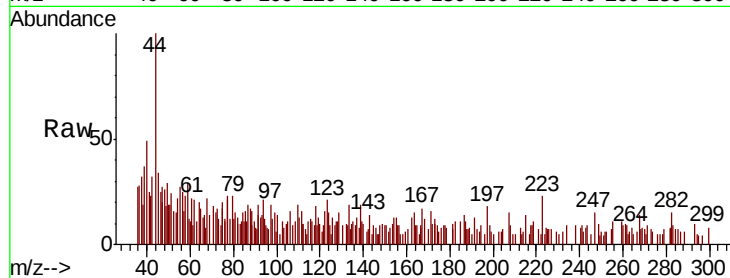
Tot Ion:173 Resp: 338

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

254 81.4 0.2 0.2#

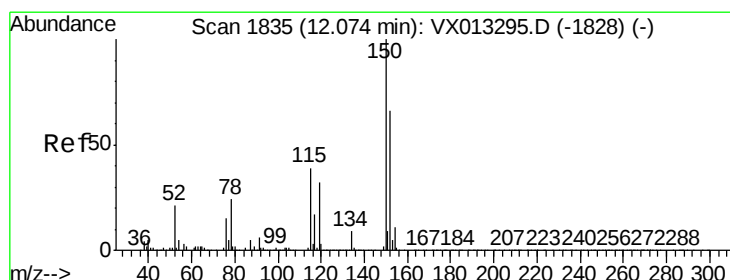
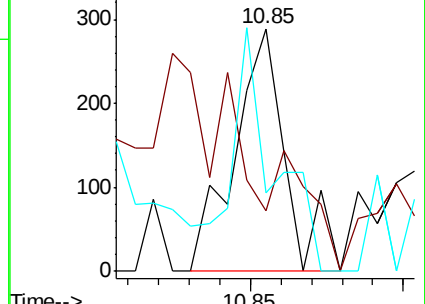
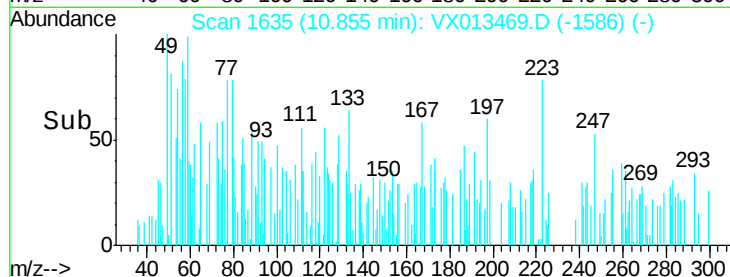


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

10.85



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

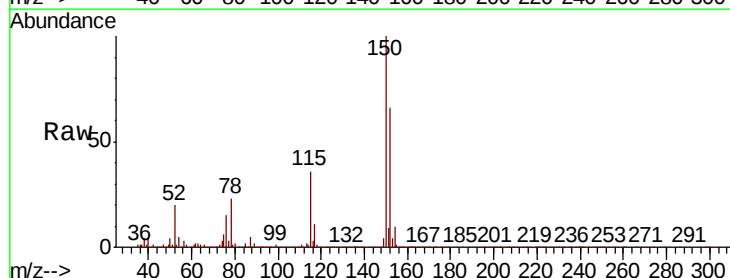
Tgt Ion:152 Resp: 436231

Ion Ratio Lower Upper

152 100

115 54.9 39.5 118.3

150 152.7 0.0 344.4

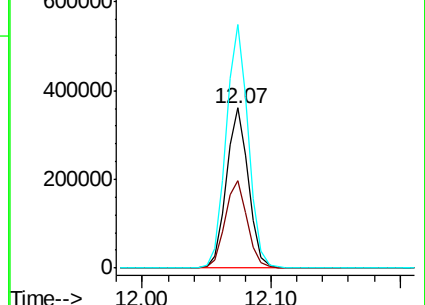
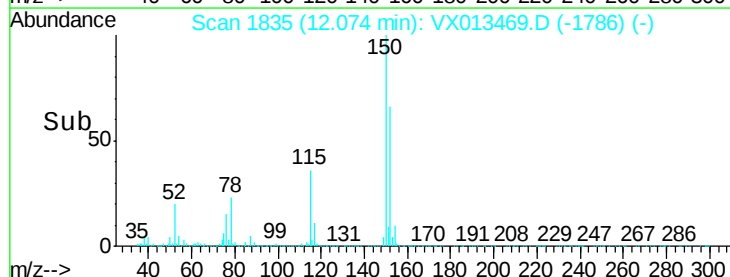


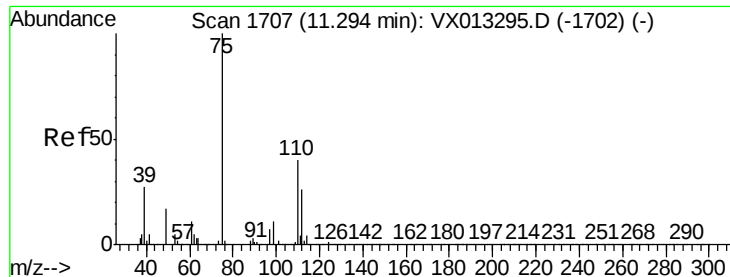
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.07





#76

1,2,3-Trichloropropane

Concen: 23.750 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

Instrument :

MSVOA_X

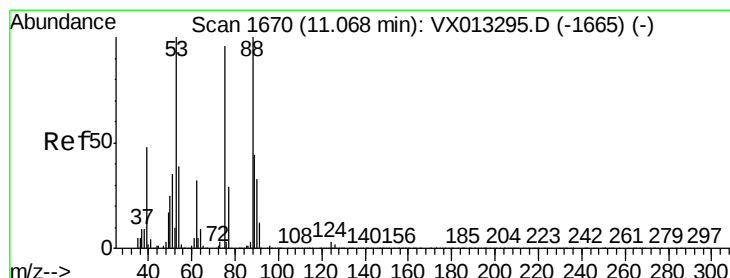
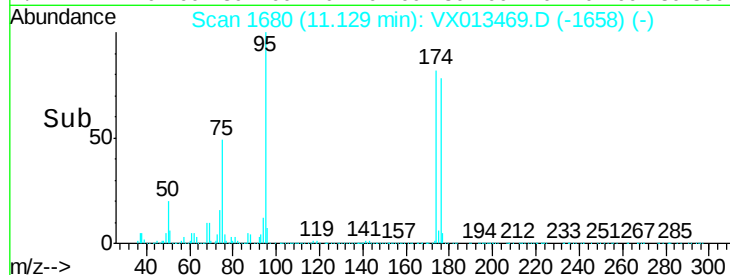
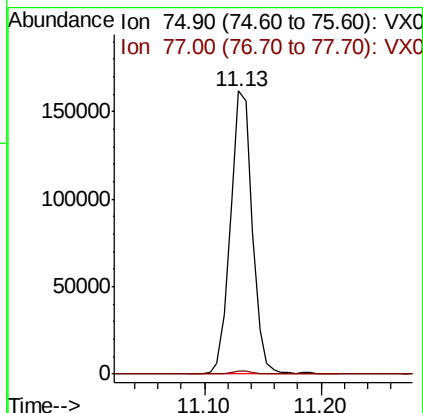
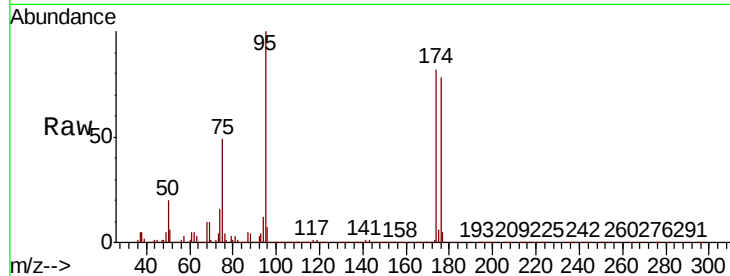
ClientSampleId :

Tot Ion: 75 Resp: 210435

Ion Ratio Lower Upper

75 100

77 1.6 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.132 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013469.D

Acq: 20 Nov 2019 10:35

Tgt Ion: 75 Resp: 210435

Ion Ratio Lower Upper

75 100

53 0.5 81.0 121.6#

89 0.1 36.0 54.0#

