

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014831.D
 Acq On : 05 Feb 2020 18:37
 Operator : JC/SP
 Sample : L1397-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 02:57:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

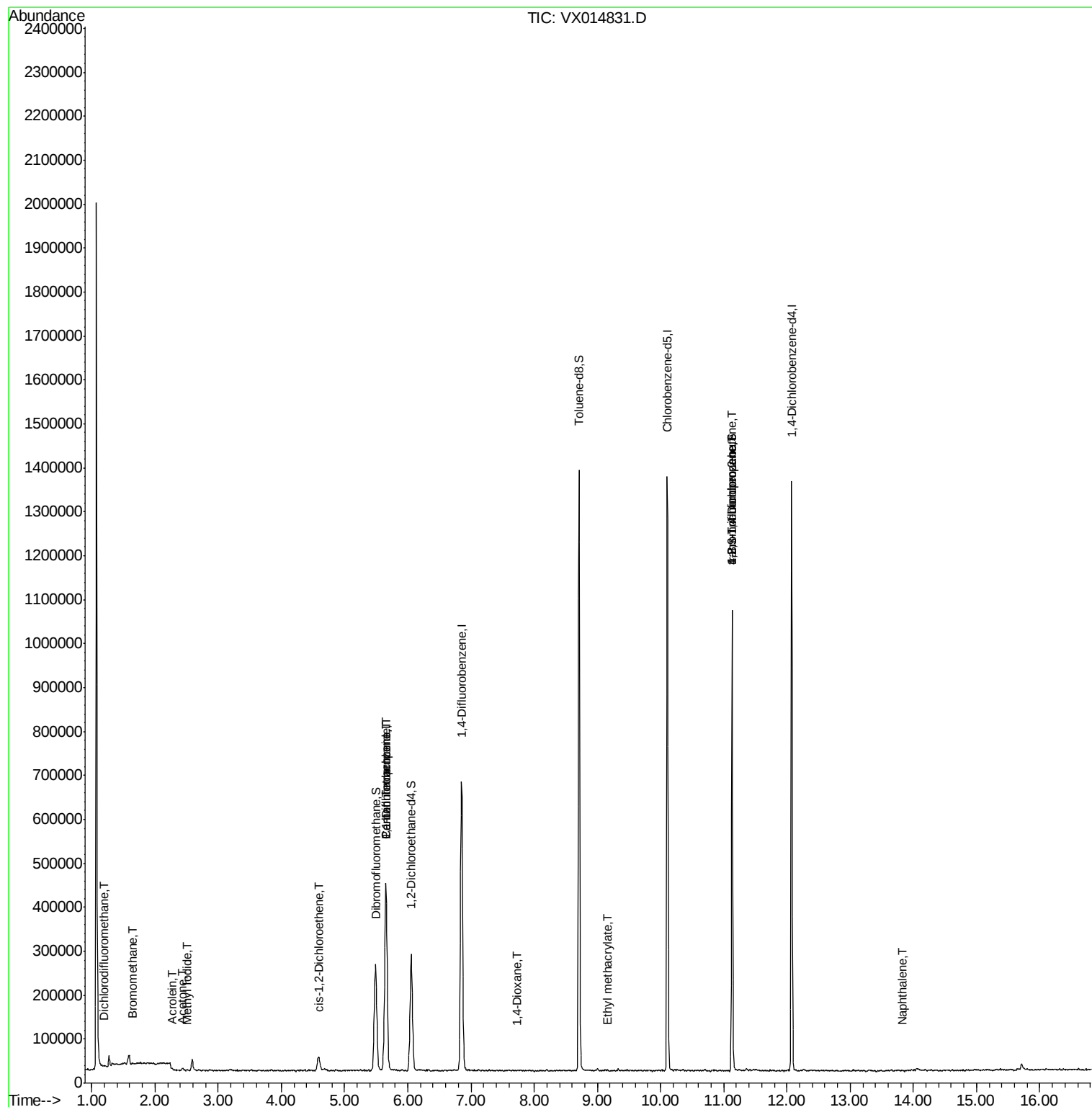
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	435540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	679174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	625043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	283637	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	248923	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
35) Dibromofluoromethane	5.49	113	209764	48.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.90%	
50) Toluene-d8	8.71	98	807252	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	274064	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	392	0.598	ug/l #	42
5) Bromomethane	1.65	94	2080	0.481	ug/l #	78
6) Chloroethane	1.72	64	1083	Below Cal	#	48
10) Methyl Iodide	2.51	142	1282	0.224	ug/l #	83
13) Acrolein	2.27	56	888	0.986	ug/l #	14
16) Acetone	2.43	43	3900	1.549	ug/l #	87
27) cis-1,2-Dichloroethene	4.59	96	22301	4.180	ug/l	87
36) 1,1-Dichloropropene	5.65	75	29590	4.689	ug/l #	53
38) Carbon Tetrachloride	5.65	117	37417	6.208	ug/l #	15
41) Methacrylonitrile	5.01	41	951	Below Cal	#	53
49) 1,4-Dioxane	7.73	88	270	2.252	ug/l #	44
56) Ethyl methacrylate	9.17	69	161	1.803	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	139816	21.187	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	139816	60.295	ug/l #	11
95) Naphthalene	13.83	128	1636	1.012	ug/l #	89

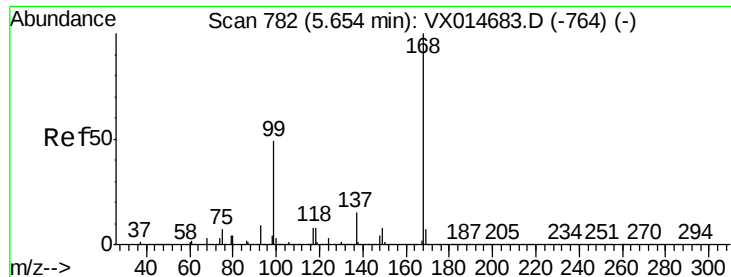
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020520\
Data File : VX014831.D
Acq On : 05 Feb 2020 18:37
Operator : JC/SP
Sample : L1397-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 06 02:57:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

Instrument :

MSVOA_X

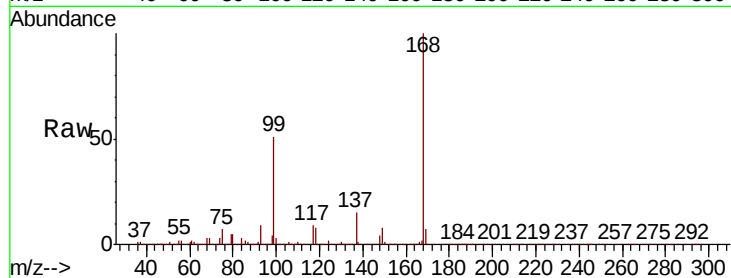
ClientSampleId :

Tot Ion:168 Resp: 435540

Ion Ratio Lower Upper

168 100

99 50.5 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

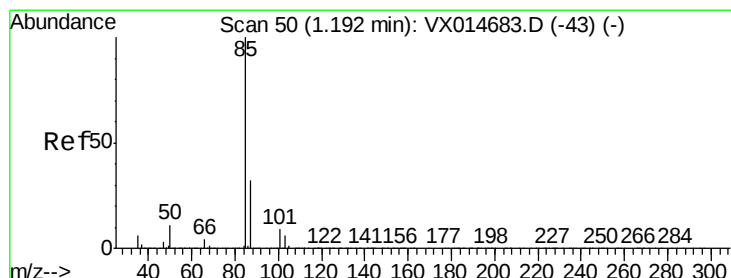
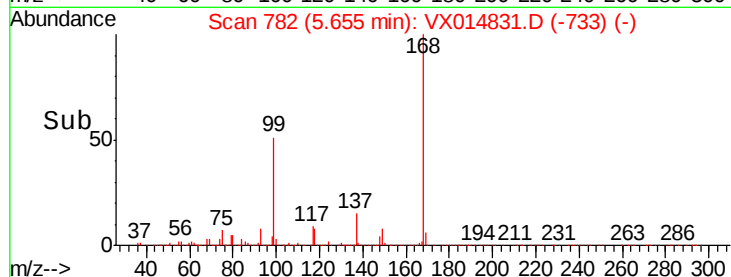
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.598 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014831.D

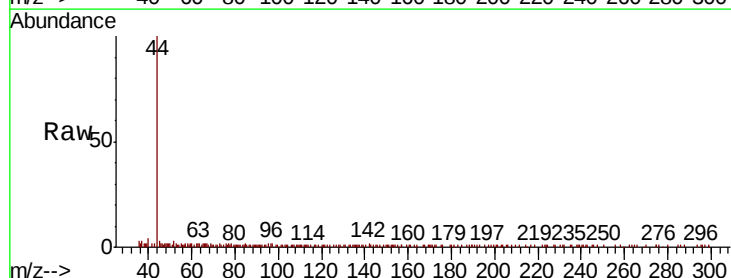
Acq: 05 Feb 2020 18:37

Tgt Ion: 85 Resp: 392

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

300

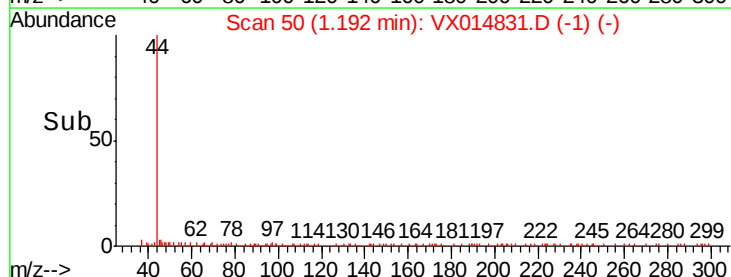
200

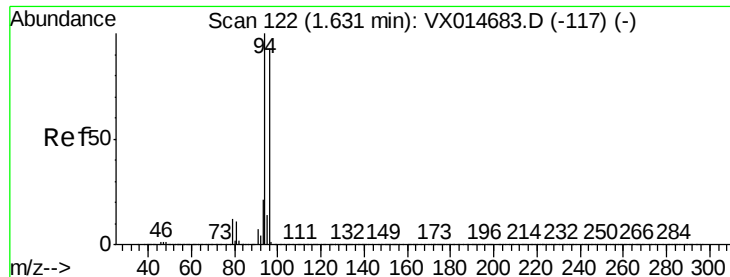
100

0

Time-->

1.16 1.18 1.20 1.22 1.24





#5

Bromomethane

Concen: 0.481 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

Instrument :

MSVOA_X

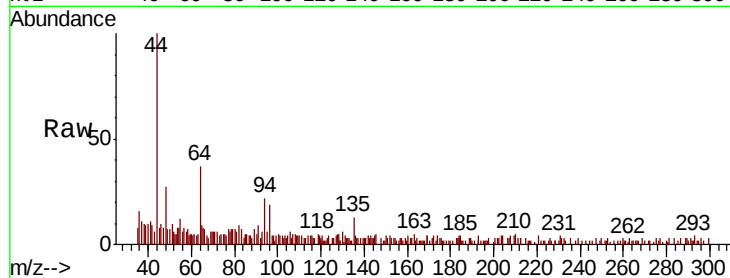
ClientSampled :

Tot Ion: 94 Resp: 2080

Ion Ratio Lower Upper

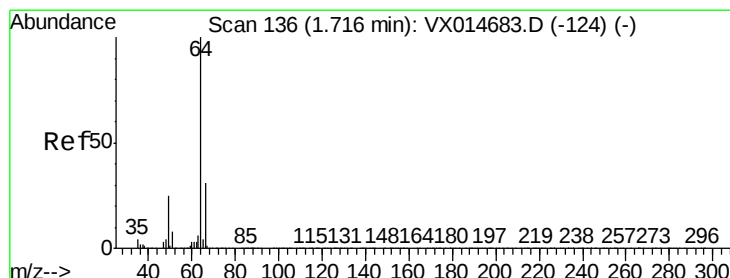
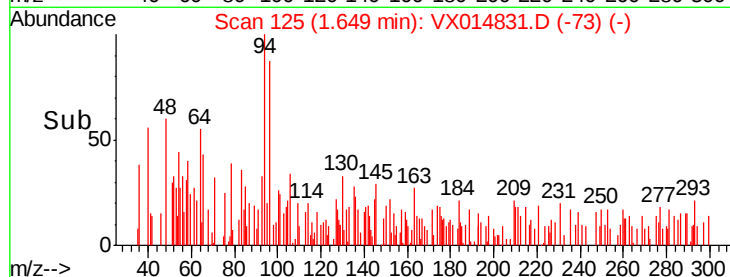
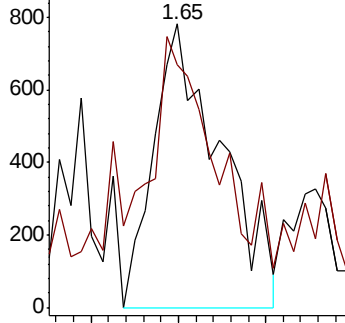
94 100

96 72.0 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014831.D

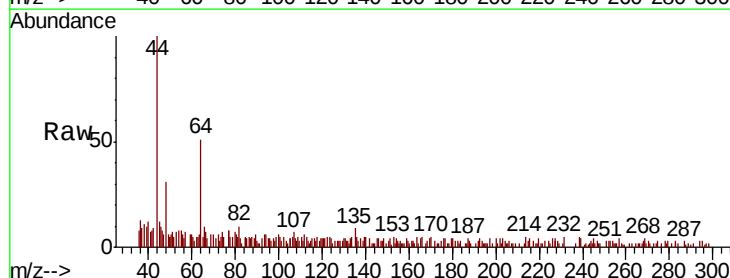
Acq: 05 Feb 2020 18:37

Tgt Ion: 64 Resp: 1083

Ion Ratio Lower Upper

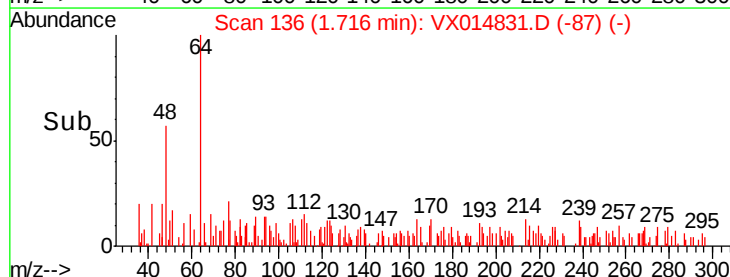
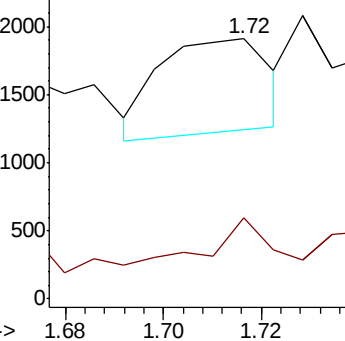
64 100

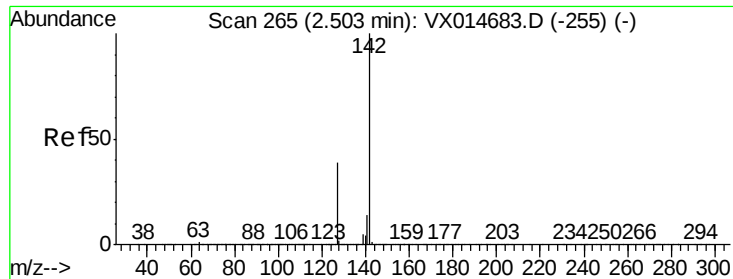
66 60.2 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 0.224 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014831.D

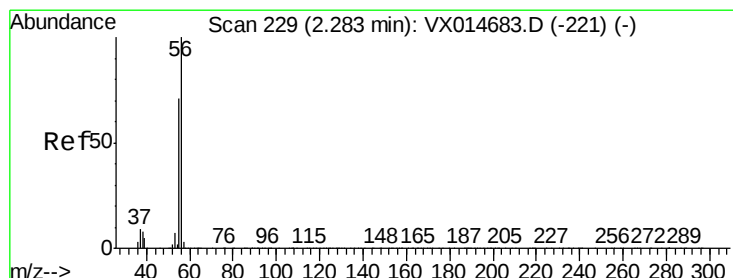
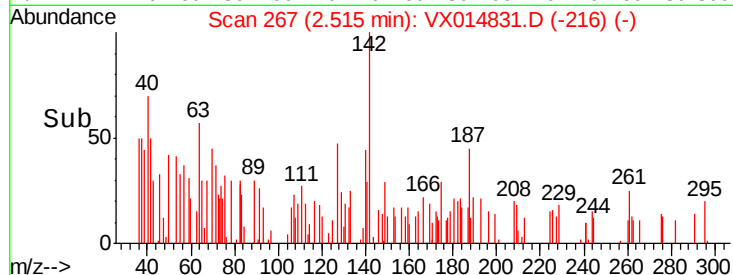
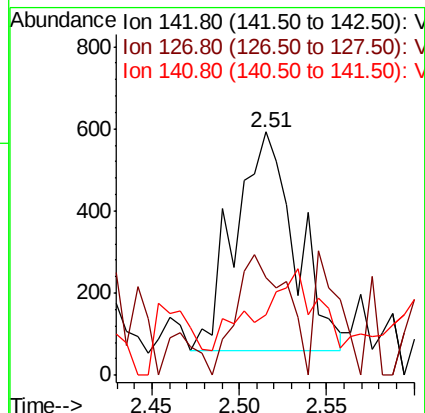
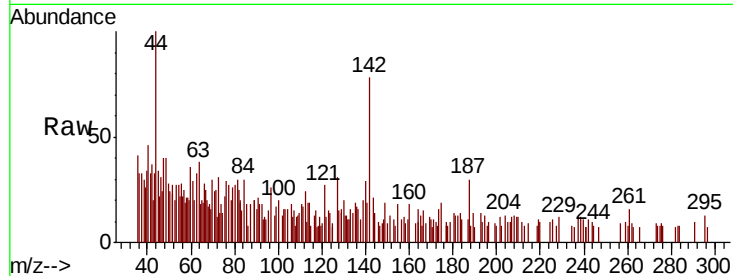
Acq: 05 Feb 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	142	Resp:	1282
Ion	Ratio	Lower	Upper
142	100		
127	45.0	31.1	46.7
141	0.0	11.3	16.9#



#13

Acrolein

Concen: 0.986 ug/l

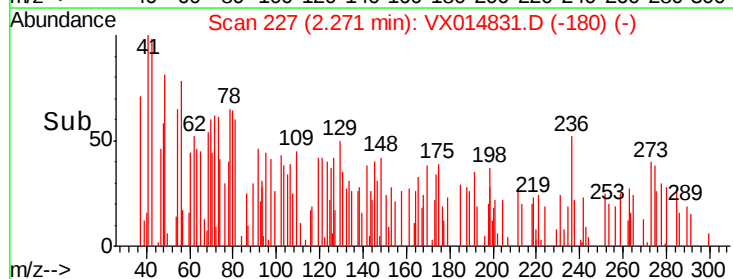
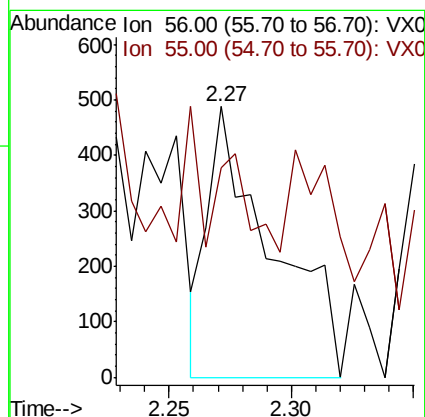
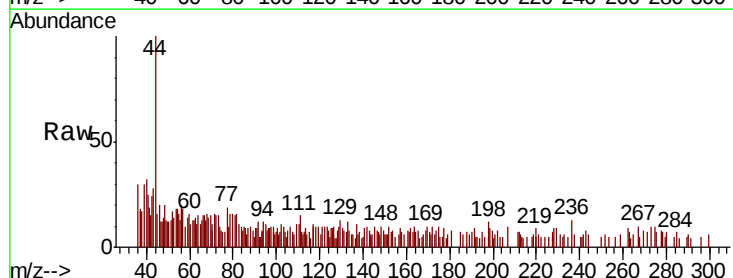
RT: 2.27 min Scan# 227

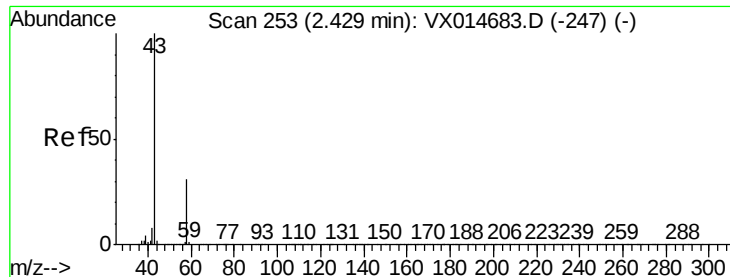
Delta R.T. -0.01 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

Tgt Ion:	56	Resp:	888
Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.6	84.8#





#16

Acetone

Concen: 1.549 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

Instrument :

MSVOA_X

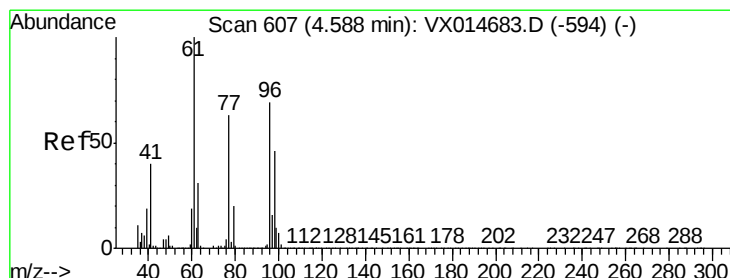
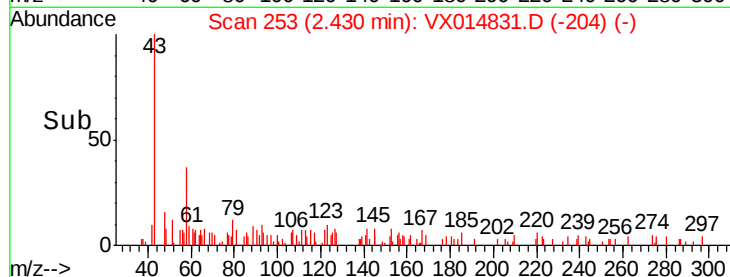
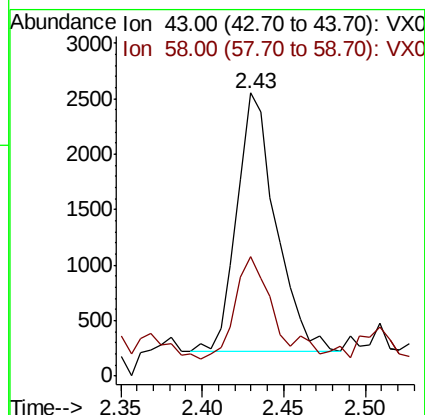
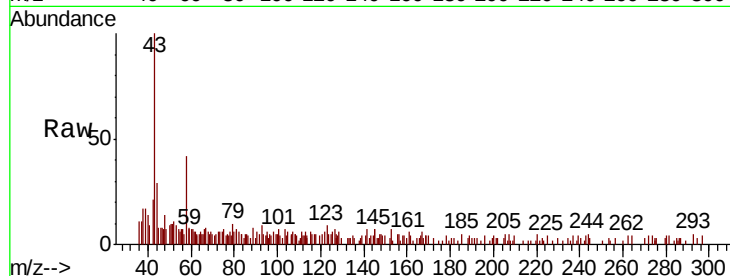
ClientSampleId :

Tot Ion: 43 Resp: 3900

Ion Ratio Lower Upper

43 100

58 37.7 24.5 36.7#



#27

cis-1,2-Dichloroethene

Concen: 4.180 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

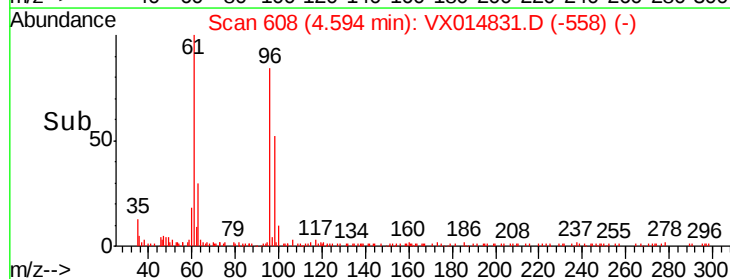
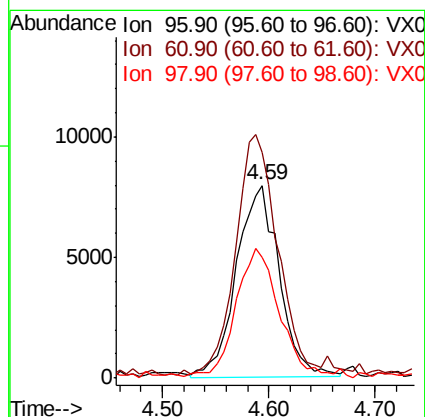
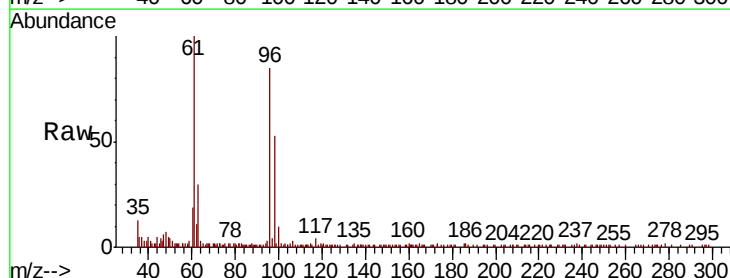
Tgt Ion: 96 Resp: 22301

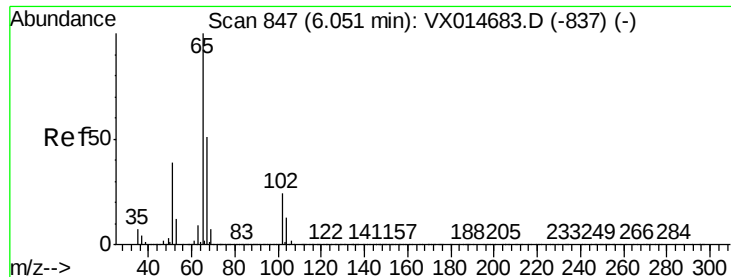
Ion Ratio Lower Upper

96 100

61 123.6 0.0 291.0

98 68.0 0.0 129.8





#33

1,2-Dichloroethane-d4

Concen: 48.942 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

Instrument :

MSVOA_X

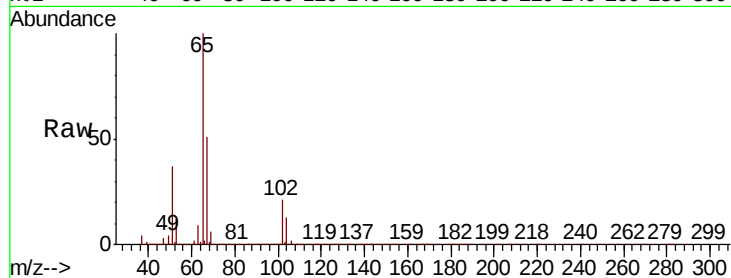
ClientSampleId :

Tot Ion: 65 Resp: 248923

Ion Ratio Lower Upper

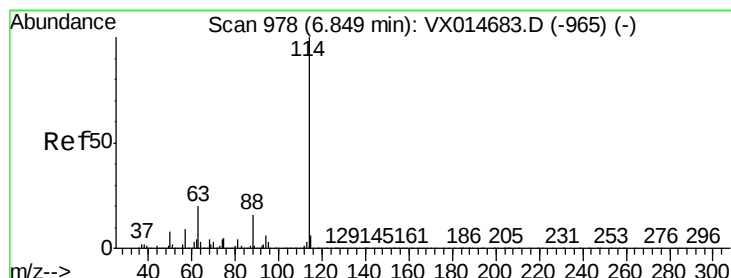
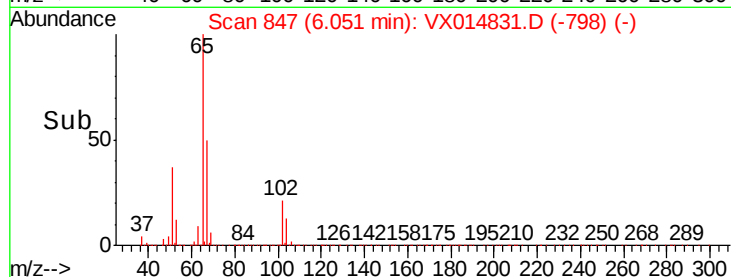
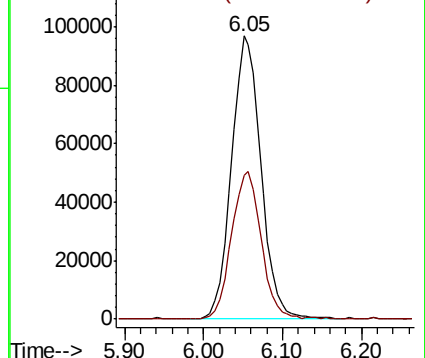
65 100

67 52.6 0.0 107.4



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: VX014831.D

Acq: 05 Feb 2020 18:37

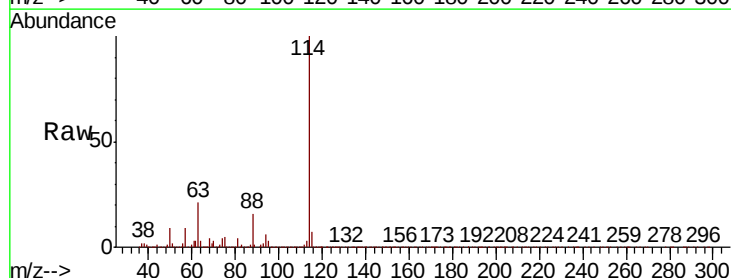
Tgt Ion: 114 Resp: 679174

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

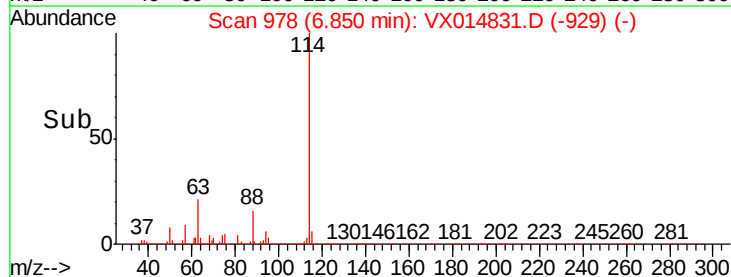
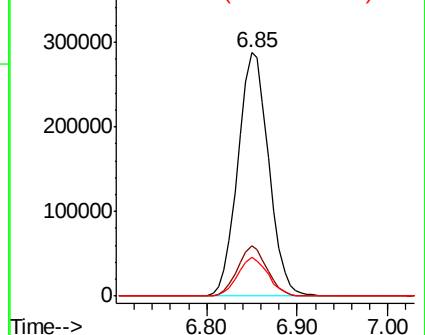
88 16.0 0.0 31.2

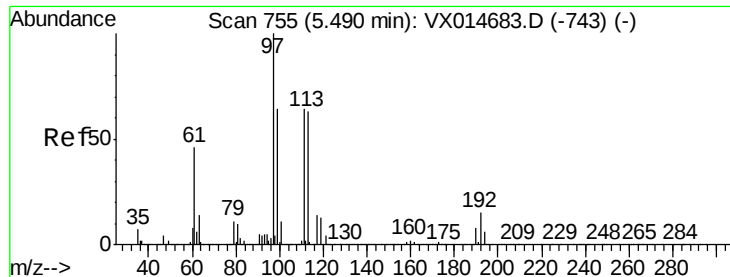


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.947 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :

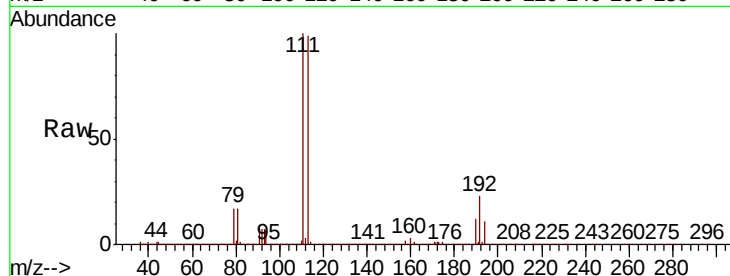
Tot Ion:113 Resp: 209764

Ion Ratio Lower Upper

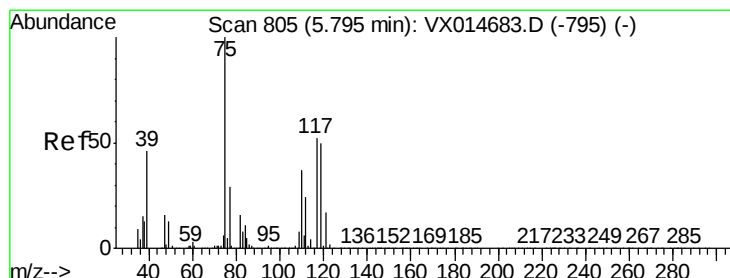
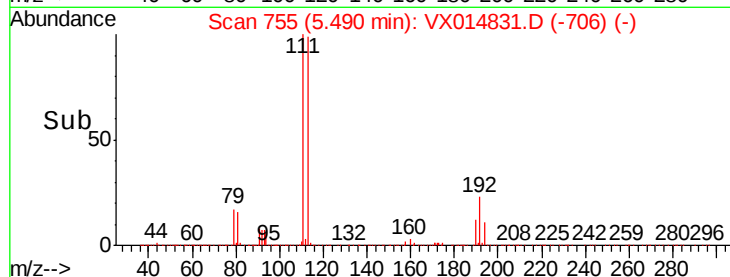
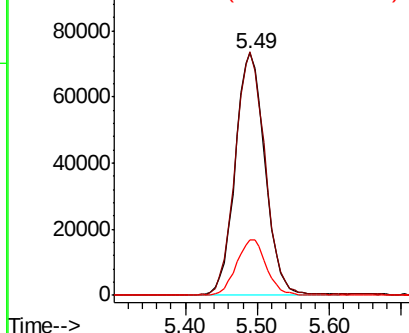
113 100

111 100.7 80.7 121.1

192 23.1 18.5 27.7



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



#36

1,1-Dichloropropene

Concen: 4.689 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

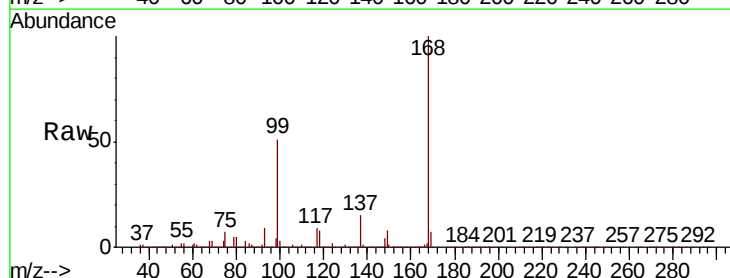
Tgt Ion: 75 Resp: 29590

Ion Ratio Lower Upper

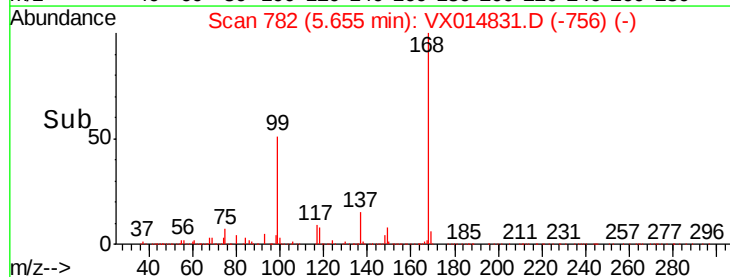
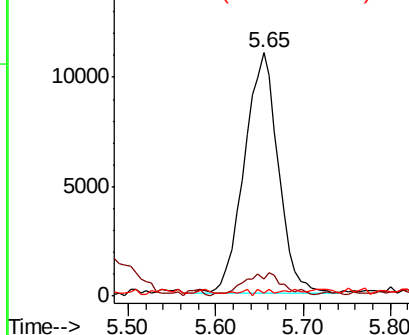
75 100

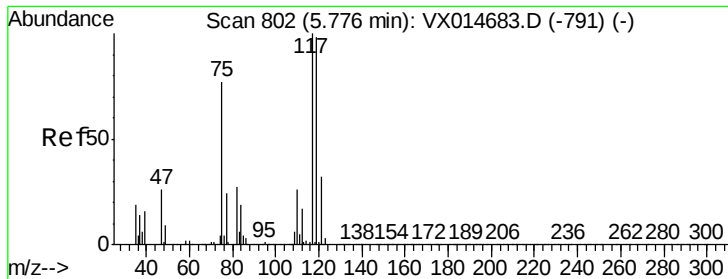
110 11.6 17.9 53.7#

77 1.0 24.1 36.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.208 ug/l

RT: 5.65 min Scan# 781

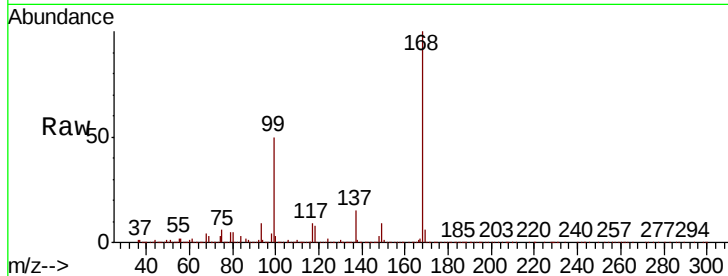
Delta R.T. -0.13 min

Lab File: VX014831.D

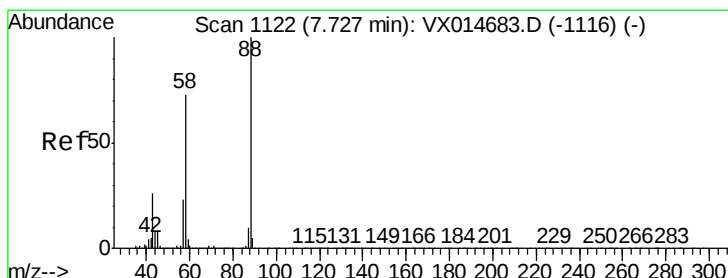
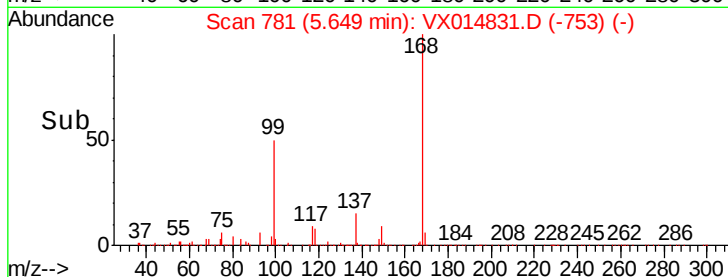
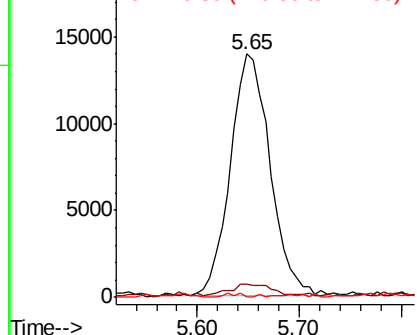
Acq: 05 Feb 2020 18:37

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 37417
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 25.4 38.2#



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: 2.252 ug/l

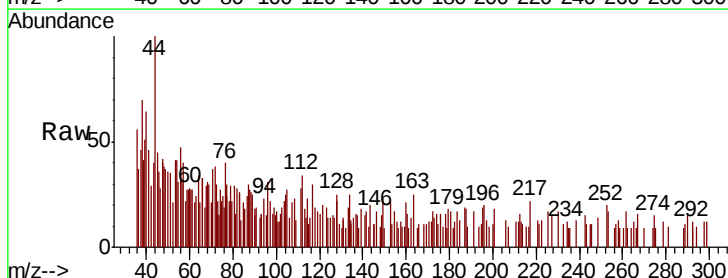
RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

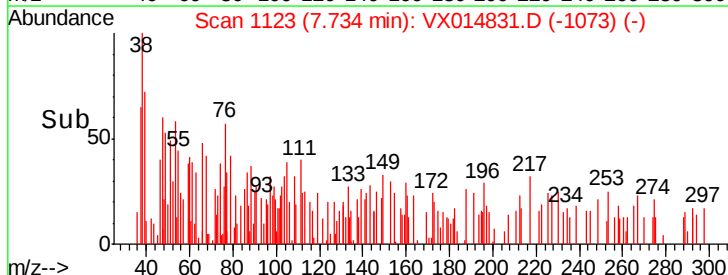
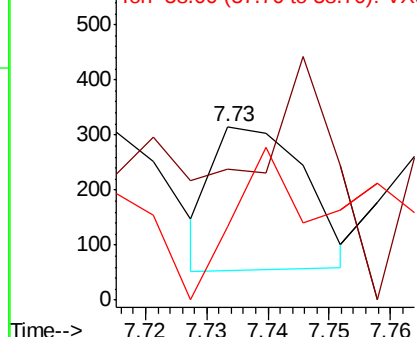
Lab File: VX014831.D

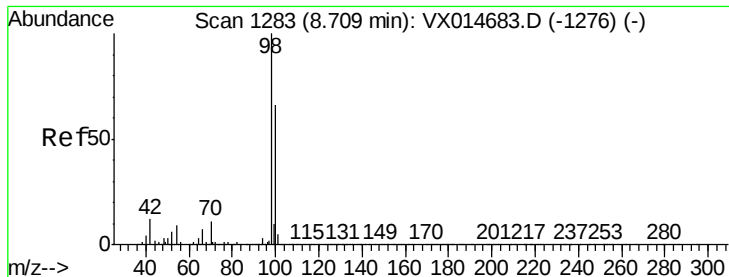
Acq: 05 Feb 2020 18:37

Tgt Ion: 88 Resp: 270
Ion Ratio Lower Upper
88 100
43 93.3 26.2 39.2#
58 97.0 56.6 85.0#



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: 48.998 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

Instrument :

MSVOA_X

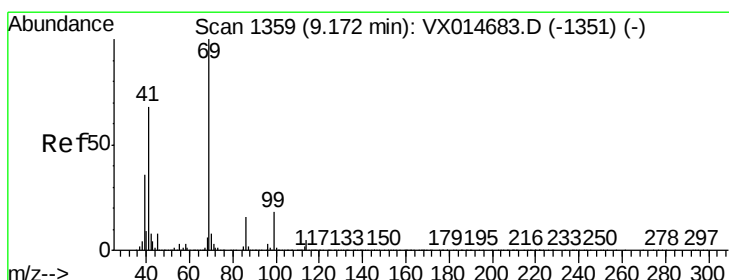
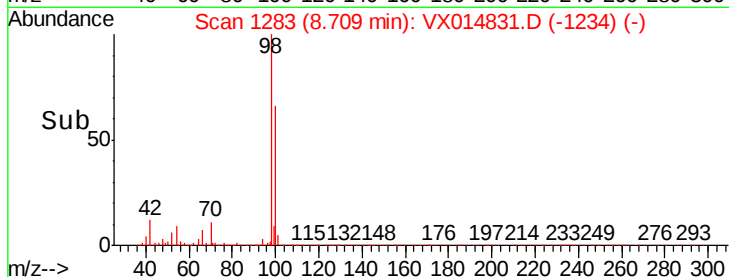
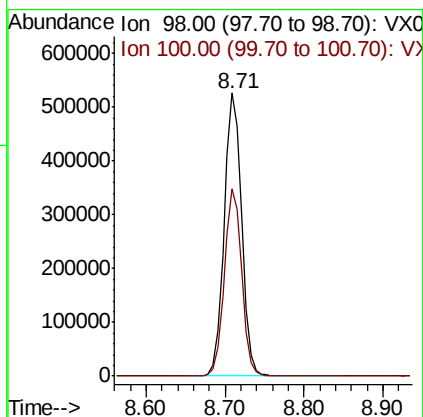
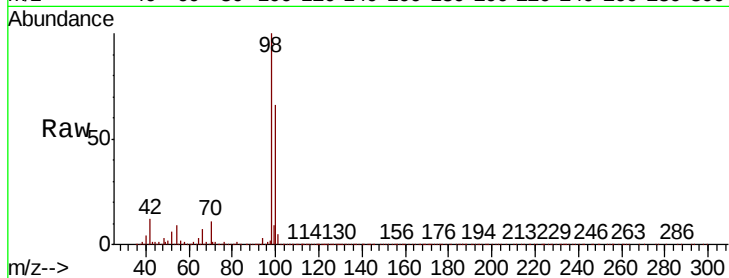
ClientSampleId :

Tot Ion: 98 Resp: 807252

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.803 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

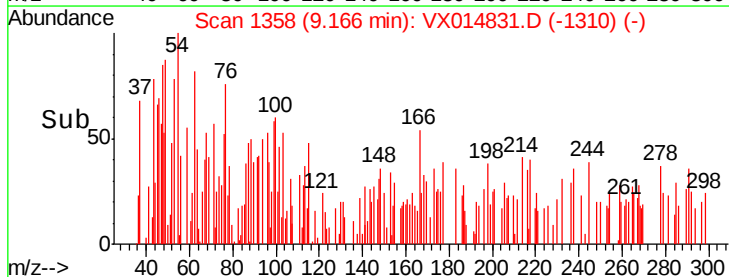
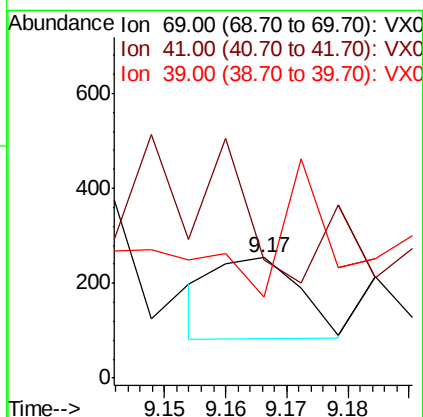
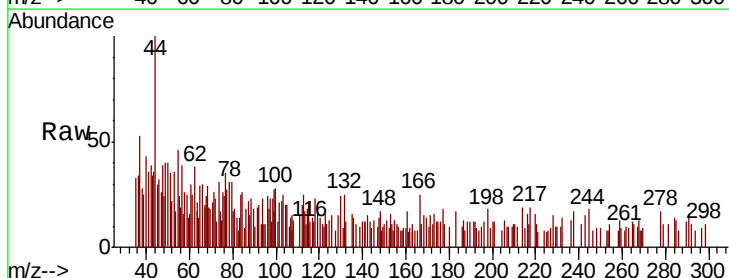
Tgt Ion: 69 Resp: 161

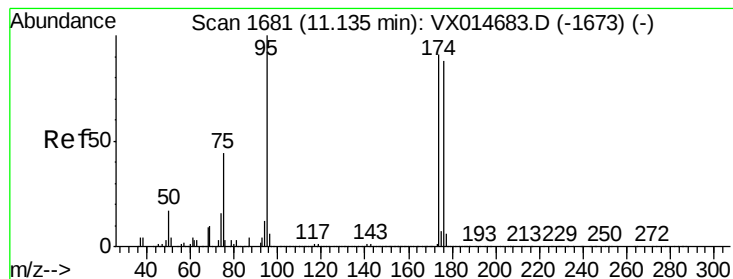
Ion Ratio Lower Upper

69 100

41 0.0 54.9 82.3#

39 131.7 29.3 43.9#





#62

4-Bromofluorobenzene

Concen: 46.698 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

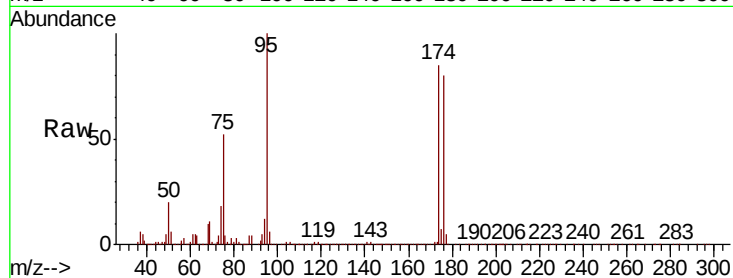
Tot Ion: 95 Resp: 274064

Ion Ratio Lower Upper

95 100

174 92.0 0.0 176.0

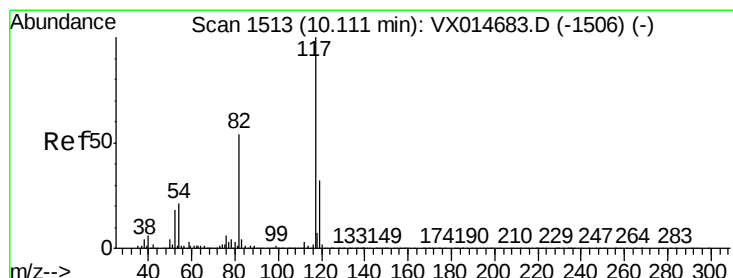
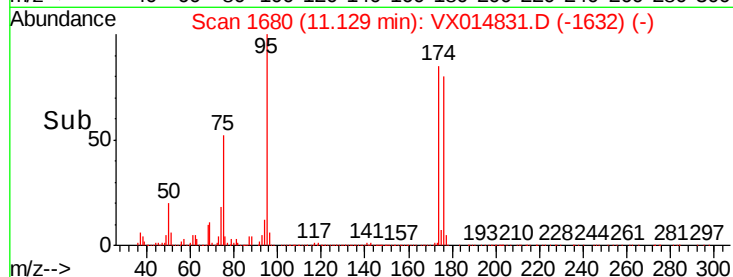
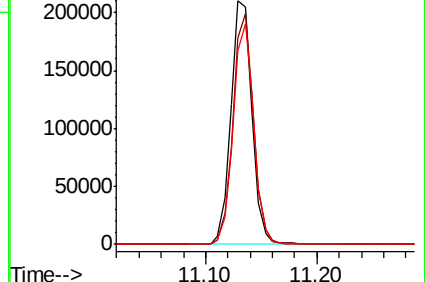
176 88.1 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VX014683.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014683.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014683.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014831.D

Acq: 05 Feb 2020 18:37

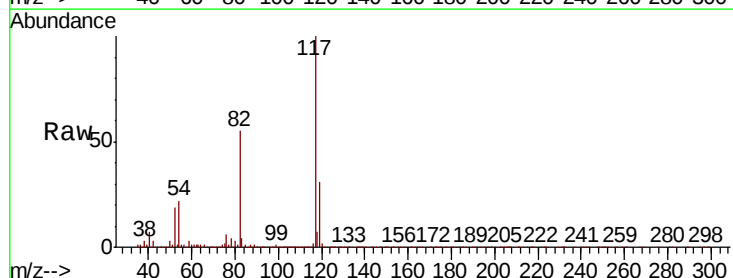
Tgt Ion: 117 Resp: 625043

Ion Ratio Lower Upper

117 100

82 54.7 43.2 64.8

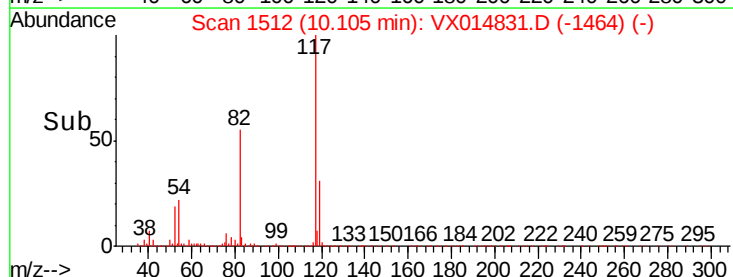
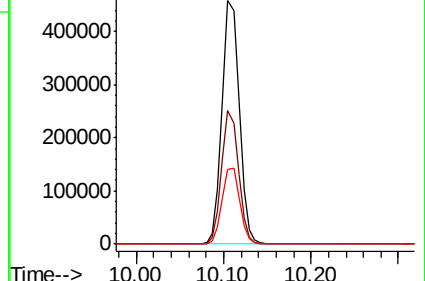
119 30.6 25.8 38.6

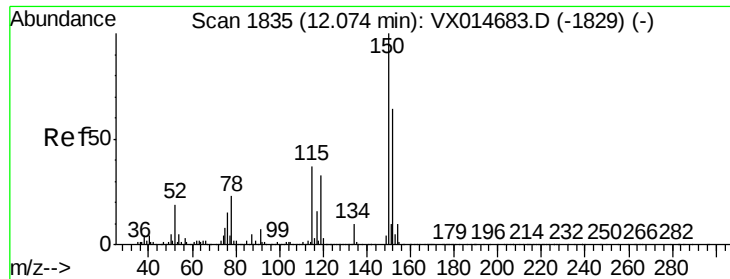


Abundance Ion 116.90 (116.60 to 117.60): VX014683.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX014683.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX014683.D (-1506) (-)



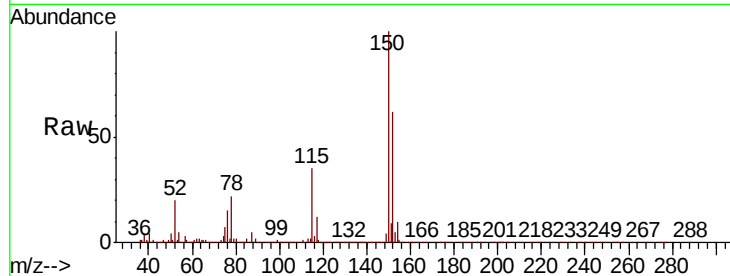


#72

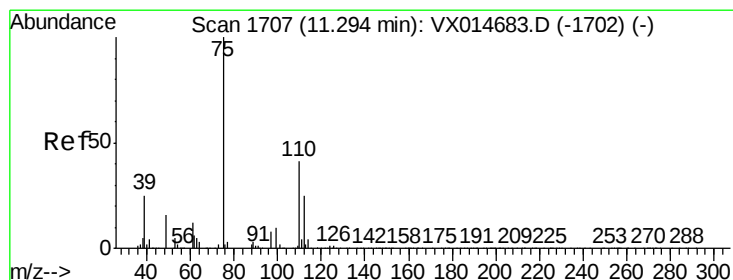
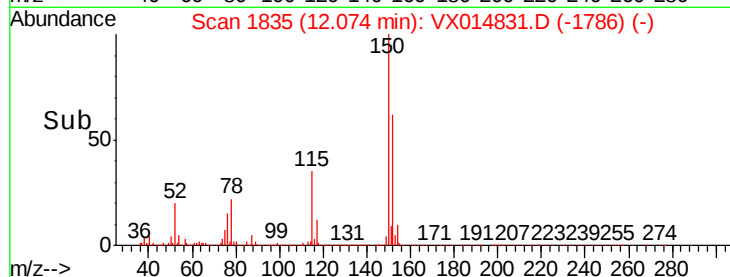
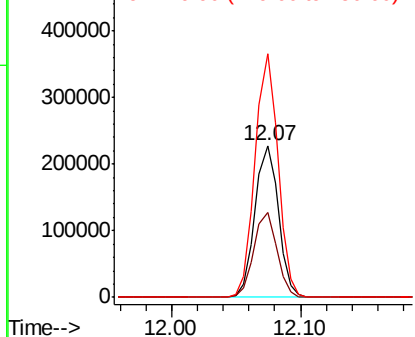
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014831.D
Acq: 05 Feb 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	39.4	118.1
150	158.0	0.0	351.2



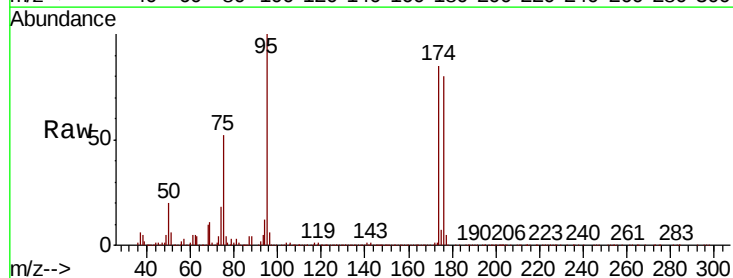
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



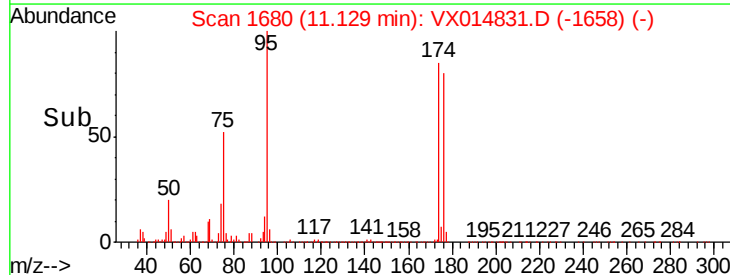
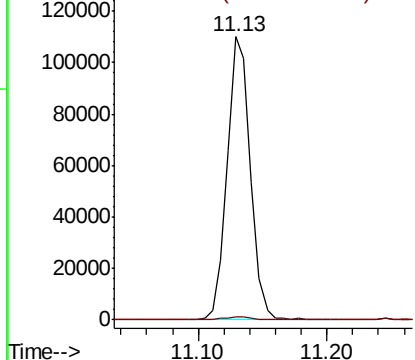
#76

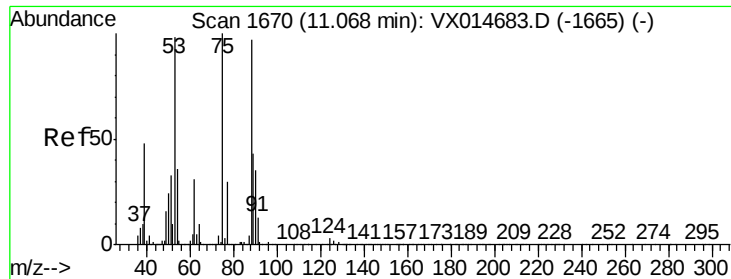
1,2,3-Trichloropropane
Concen: 21.187 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014831.D
Acq: 05 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	18.7	56.1



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

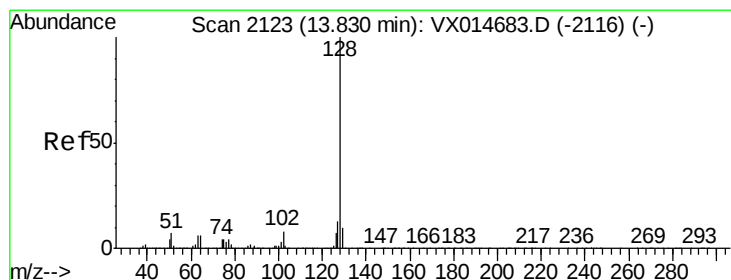
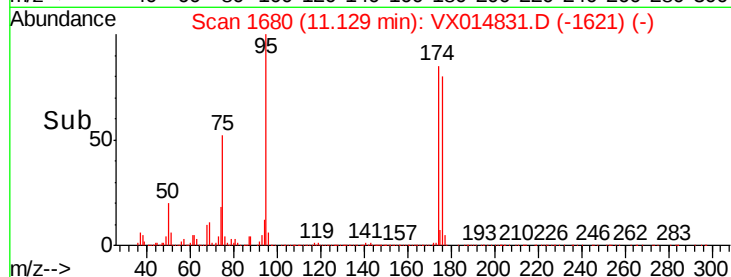
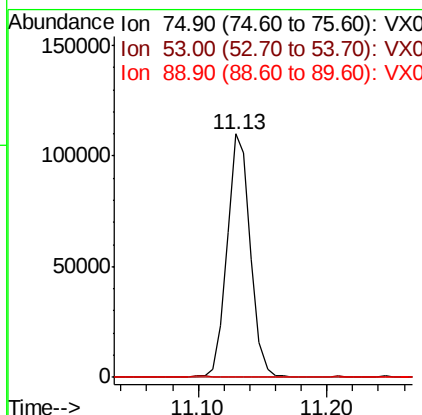
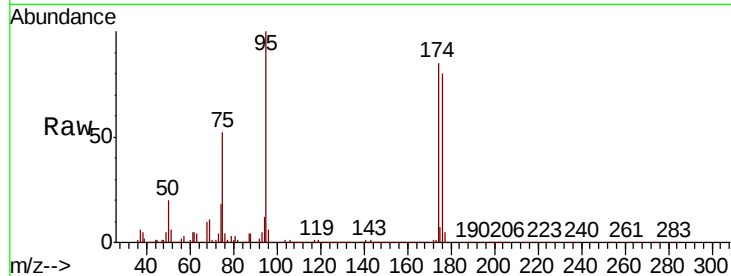




#81
trans-1,4-Dichloro-2-butene
Concen: 60.295 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014831.D
Acq: 05 Feb 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 139816
Ion Ratio Lower Upper
75 100
53 0.6 78.8 118.2#
89 0.2 35.4 53.0#



#95
Naphthalene
Concen: 1.012 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014831.D
Acq: 05 Feb 2020 18:37

Tgt Ion: 128 Resp: 1636
Ion Ratio Lower Upper
128 100
127 5.6 10.3 15.5#
129 10.3 8.6 12.8

