

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010820\
 Data File : VX0144467.D
 Acq On : 08 Jan 2020 13:38
 Operator : JC/SP
 Sample : L1034-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 08 15:45:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	521363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	806029	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	730732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	333470	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	287501	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.49	113	236614	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	8.71	98	955245	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.14	95	326853	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	

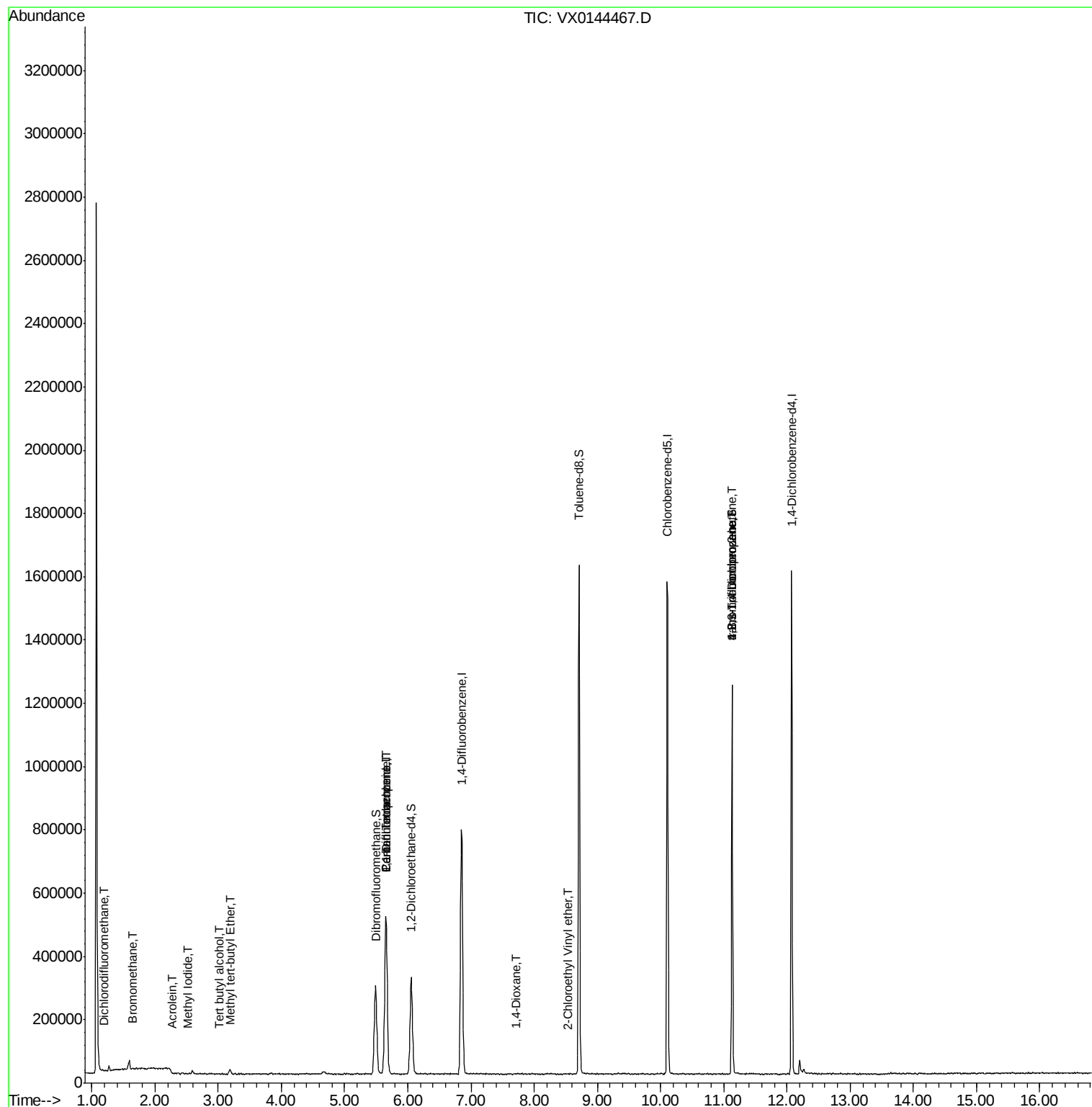
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	472	0.325	ug/l #	66
5) Bromomethane	1.66	94	1641	0.334	ug/l	82
6) Chloroethane	1.73	64	380	Below Cal	#	43
10) Methyl Iodide	2.51	142	1977	0.323	ug/l #	72
11) Tert butyl alcohol	3.01	59	380	0.313	ug/l #	1
13) Acrolein	2.28	56	215	0.221	ug/l #	1
16) Acetone	2.43	43	4249	Below Cal		89
19) Methyl tert-butyl Ether	3.19	73	15565	0.942	ug/l #	88
36) 1,1-Dichloropropene	5.65	75	35516	4.686	ug/l #	46
38) Carbon Tetrachloride	5.65	117	45866	6.575	ug/l #	17
49) 1,4-Dioxane	7.72	88	184	1.363	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.53	63	652	0.216	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	156827	22.730	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	156827	60.094	ug/l #	12
88) 1,4-Dichlorobenzene	12.08	146	793	Below Cal	#	1
96) 1,2,3-Trichlorobenzene	14.02	180	570	Below Cal		88

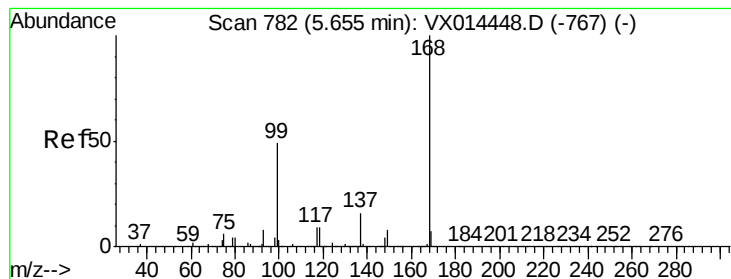
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 07 15:54:41 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: VX0144467.D

Acq: 08 Jan 2020 13:38

Instrument :

MSVOA_X

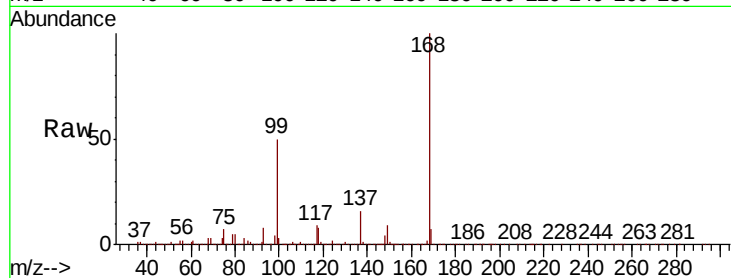
ClientSampleId :

Tot Ion:168 Resp: 521363

Ion Ratio Lower Upper

168 100

99 50.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

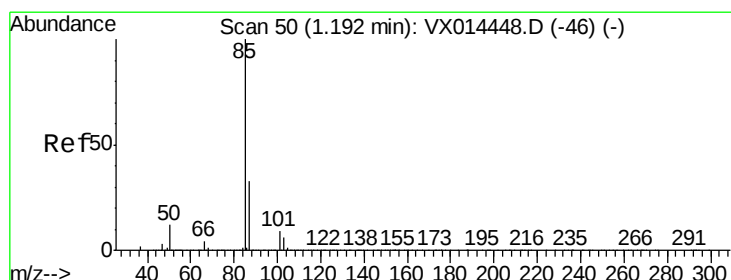
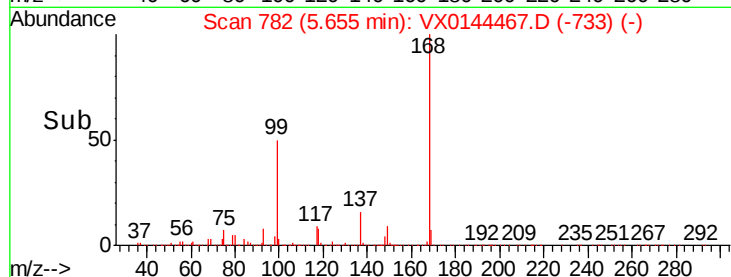
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.325 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX0144467.D

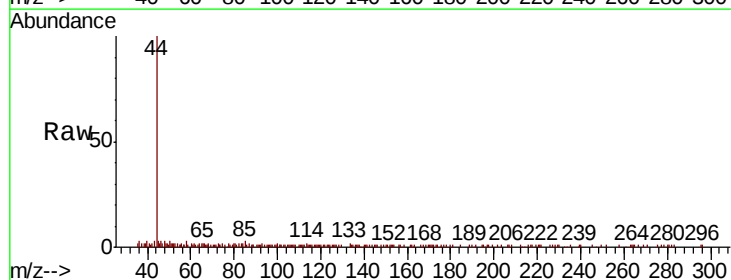
Acq: 08 Jan 2020 13:38

Tgt Ion: 85 Resp: 472

Ion Ratio Lower Upper

85 100

87 52.1 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

300

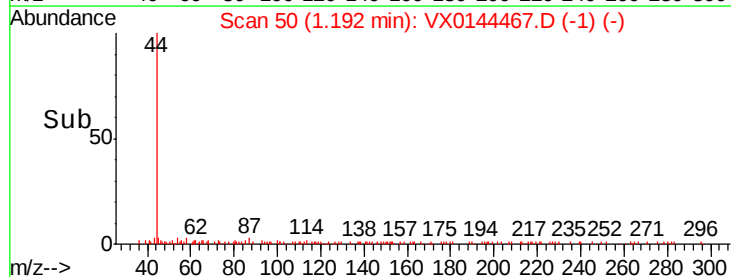
200

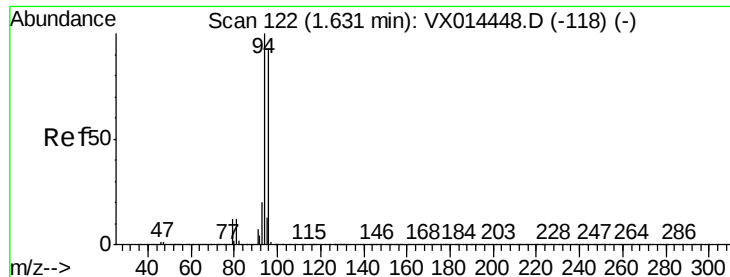
100

0

Time-->

1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.334 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX0144467.D

Acq: 08 Jan 2020 13:38

Instrument :

MSVOA_X

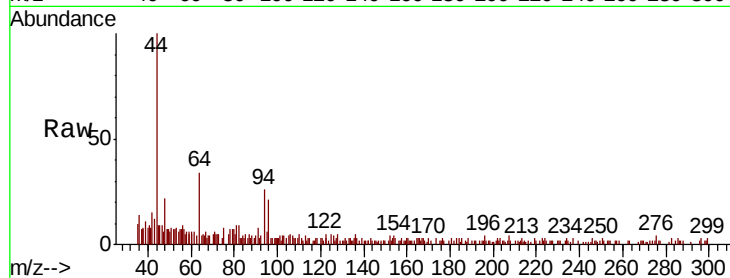
ClientSampleId :

Tot Ion: 94 Resp: 1641

Ion Ratio Lower Upper

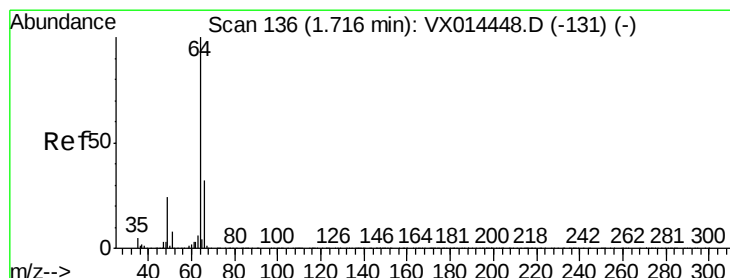
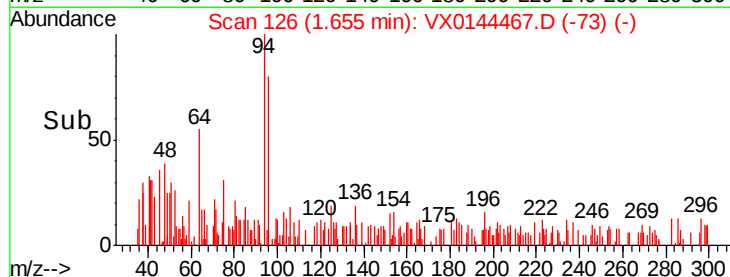
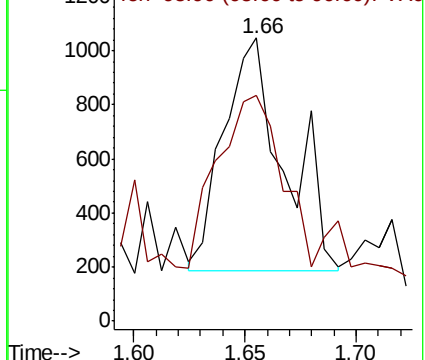
94 100

96 75.9 74.2 111.2



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: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX0144467.D

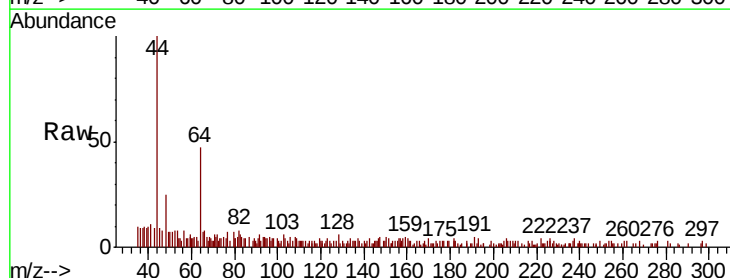
Acq: 08 Jan 2020 13:38

Tgt Ion: 64 Resp: 380

Ion Ratio Lower Upper

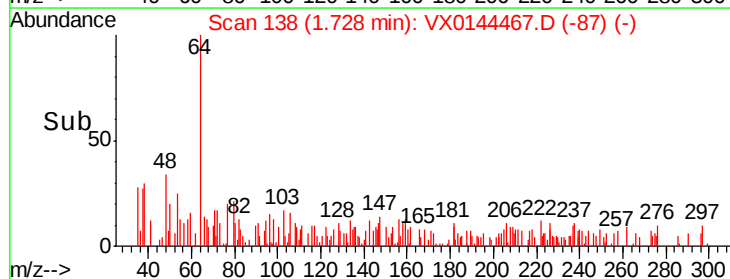
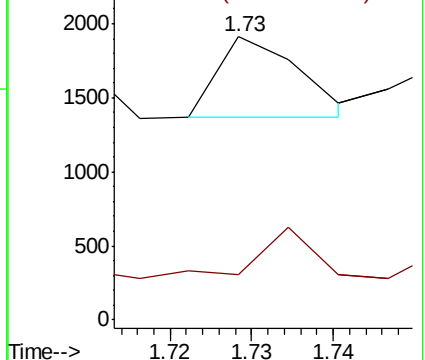
64 100

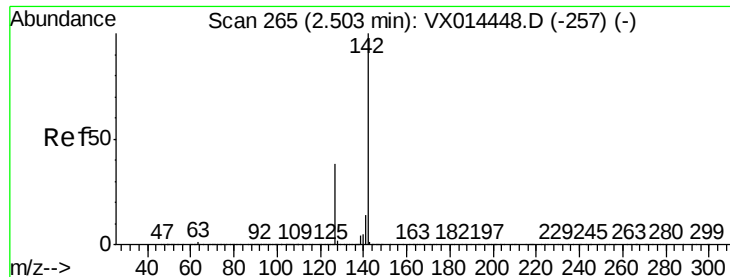
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

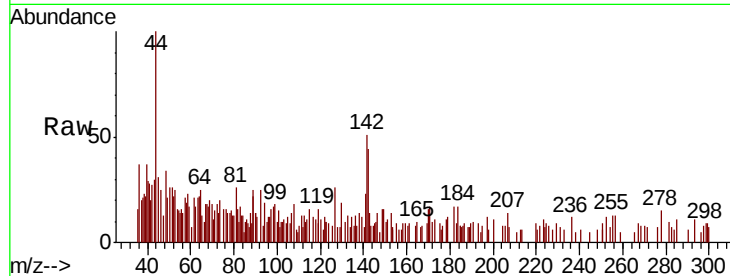




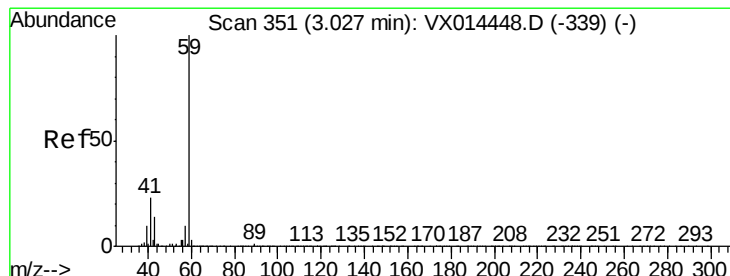
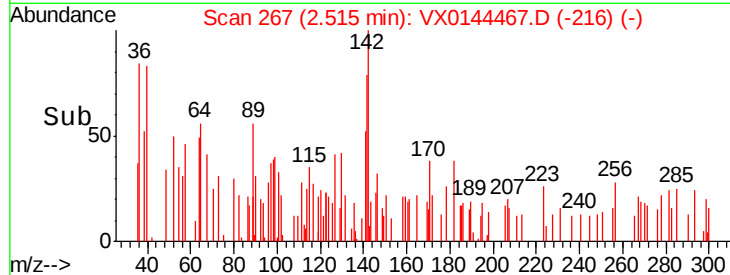
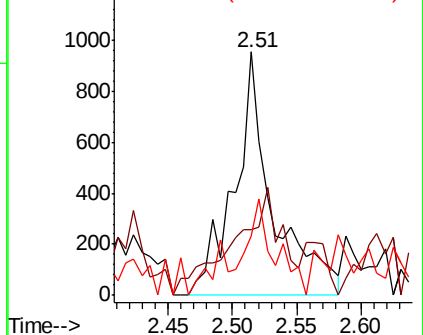
#10
Methyl Iodide
Concen: 0.323 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX0144467.D
Acq: 08 Jan 2020 13:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 1977
Ion Ratio Lower Upper
142 100
127 55.1 31.2 46.8#
141 27.1 11.4 17.2#

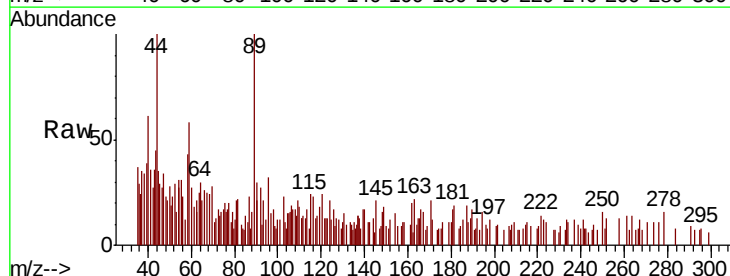


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

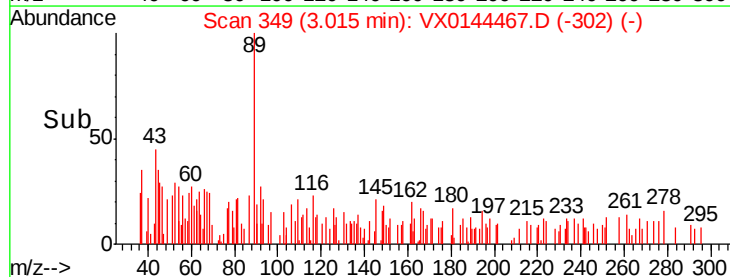
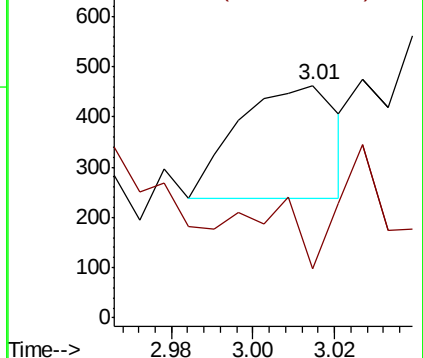


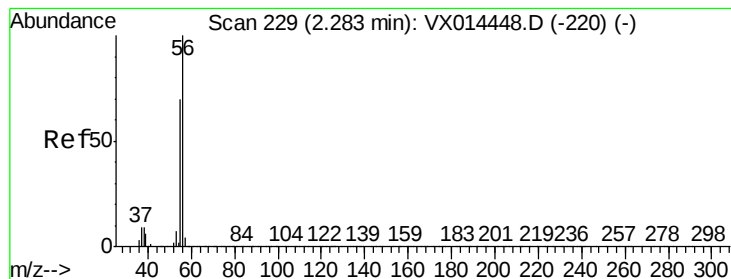
#11
Tert butyl alcohol
Concen: 0.313 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX0144467.D
Acq: 08 Jan 2020 13:38

Tgt Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 67.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.221 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX0144467.D

Acq: 08 Jan 2020 13:38

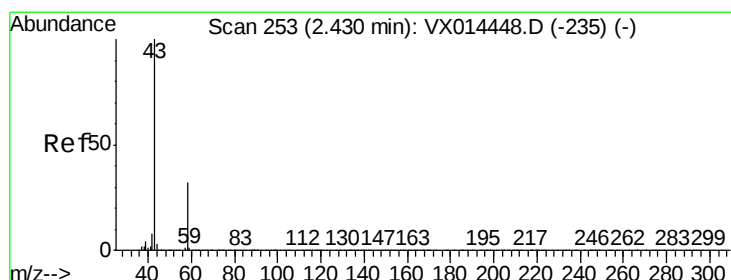
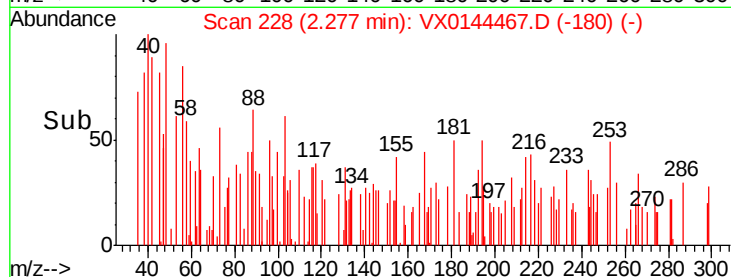
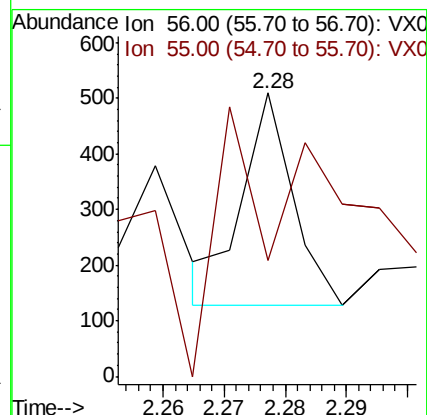
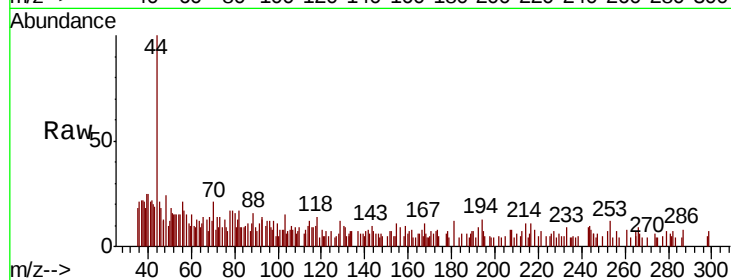
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 215

Ion Ratio Lower Upper

56 100

55 359.1 55.0 82.6#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX0144467.D

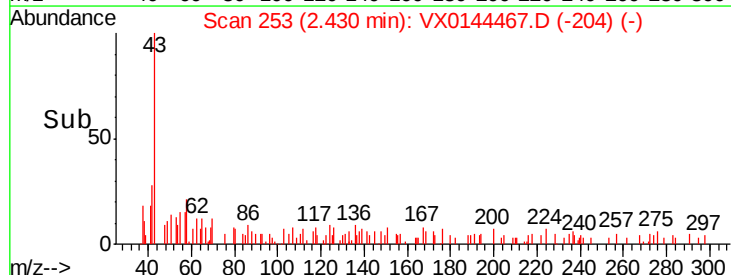
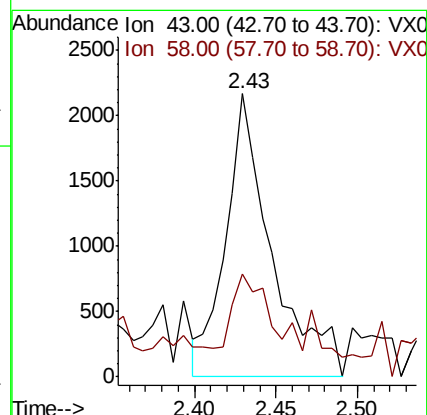
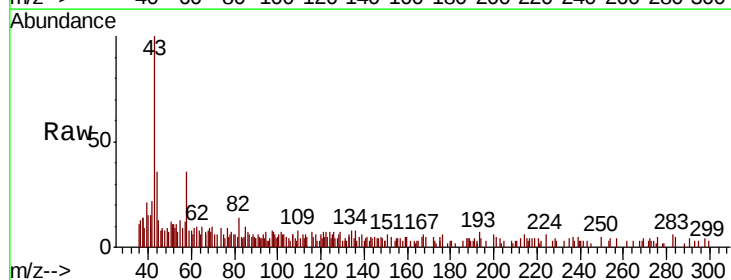
Acq: 08 Jan 2020 13:38

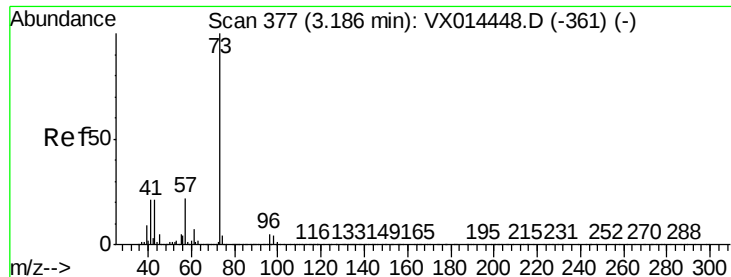
Tgt Ion: 43 Resp: 4249

Ion Ratio Lower Upper

43 100

58 25.7 25.4 38.0

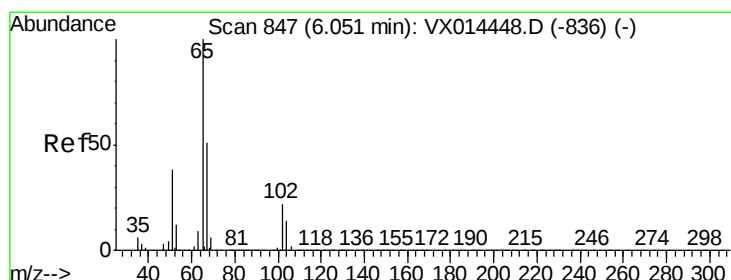
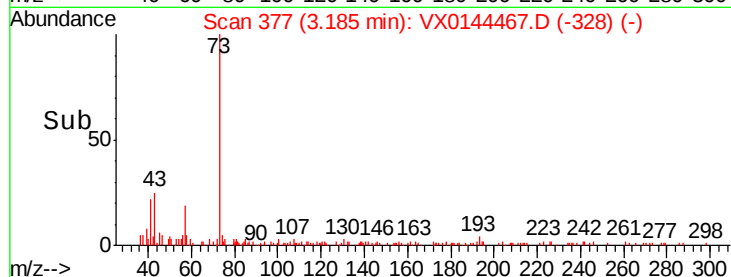
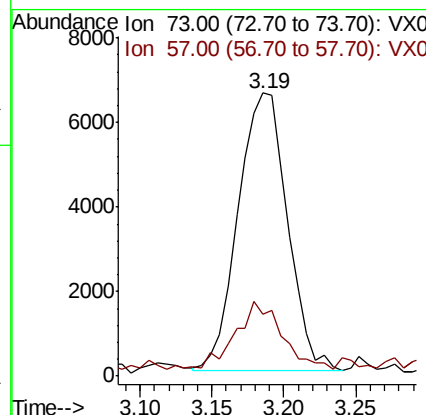
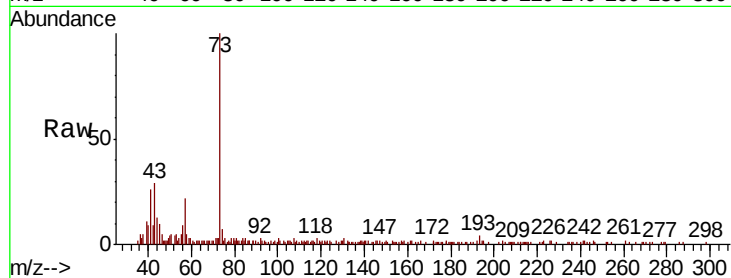




#19
Methvl tert-butvl Ether
Concen: 0.942 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX0144467.D
Acq: 08 Jan 2020 13:38

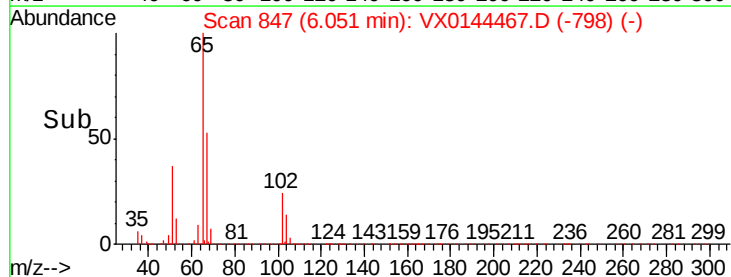
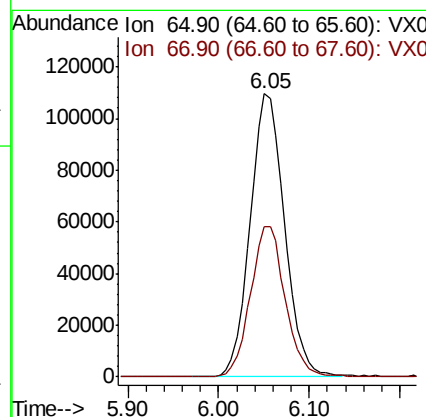
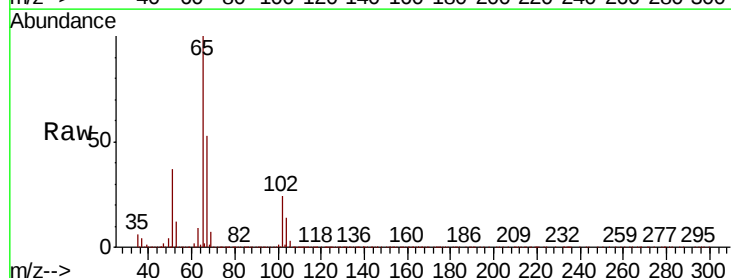
Instrument :
MSVOA_X
ClientSampleId :

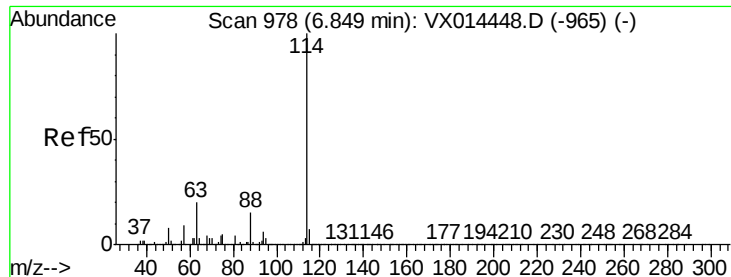
Tot Ion: 73 Resp: 15565
Ion Ratio Lower Upper
73 100
57 16.7 17.8 26.8#



#33
1,2-Dichloroethane-d4
Concen: 49.397 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX0144467.D
Acq: 08 Jan 2020 13:38

Tgt Ion: 65 Resp: 287501
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX0144467.D

Acq: 08 Jan 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

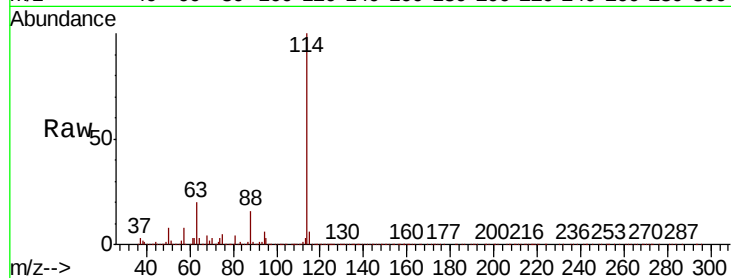
Tot Ion:114 Resp: 806029

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

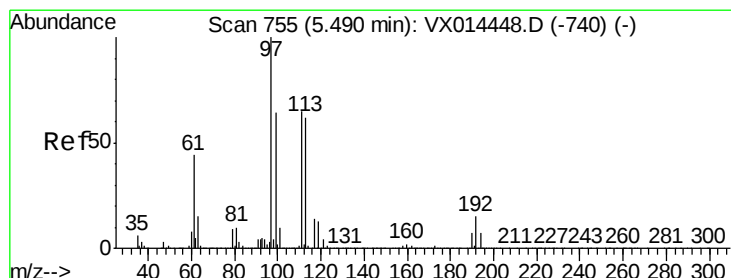
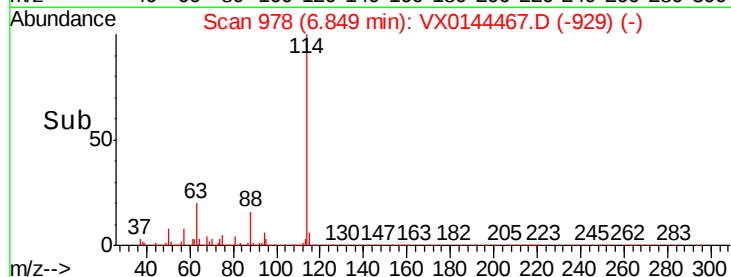
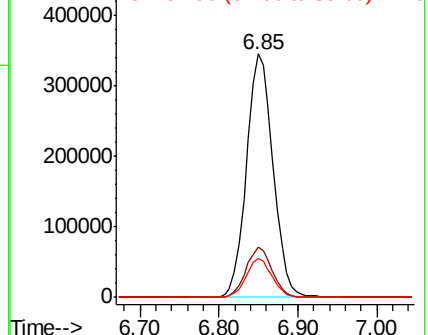
88 16.0 0.0 30.8



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: 48.494 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX0144467.D

Acq: 08 Jan 2020 13:38

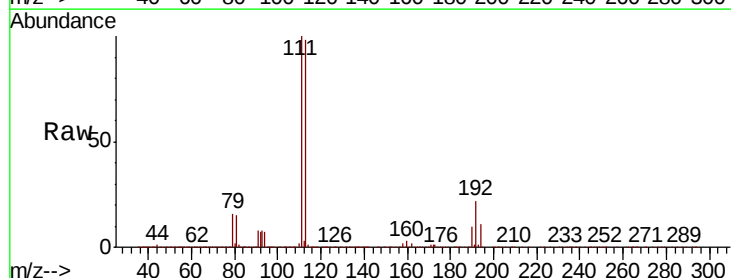
Tgt Ion:113 Resp: 236614

Ion Ratio Lower Upper

113 100

111 103.7 81.5 122.3

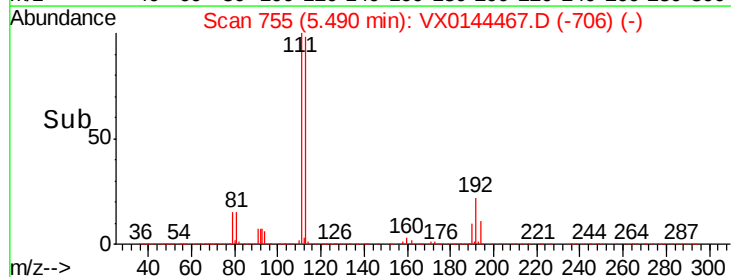
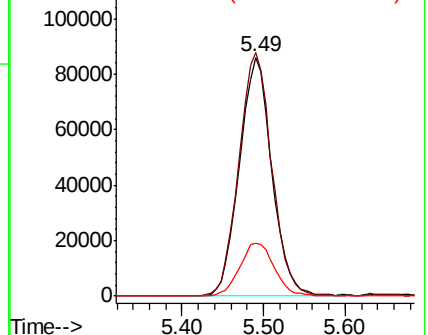
192 23.9 19.2 28.8

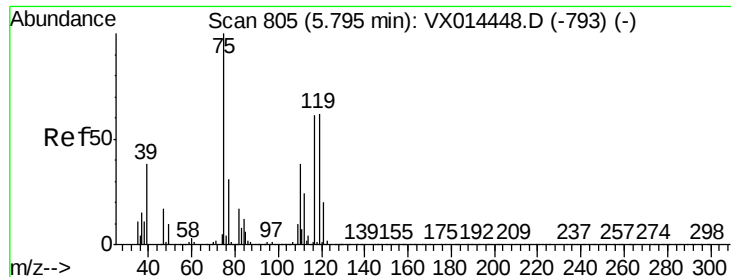


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

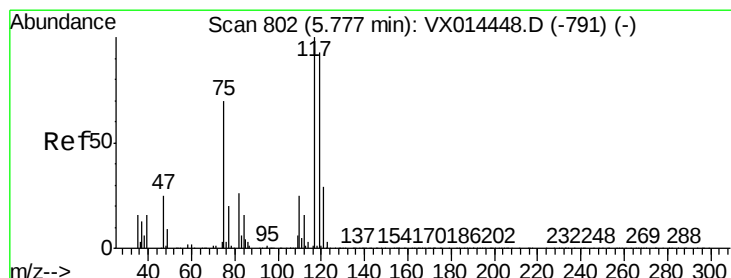
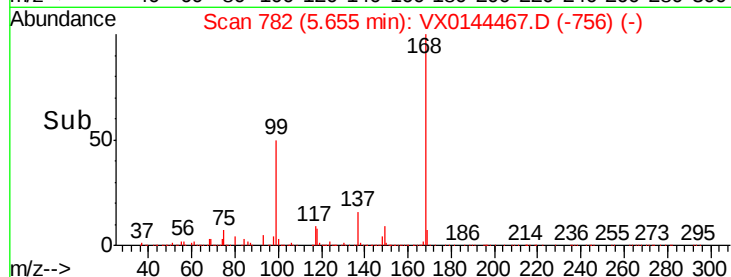
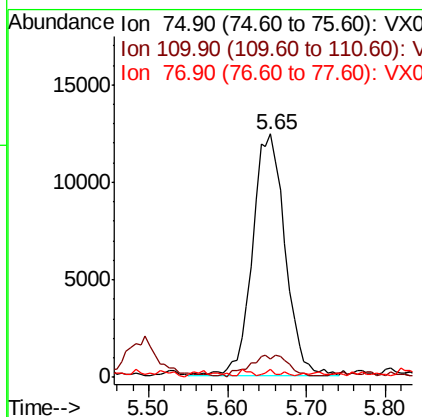
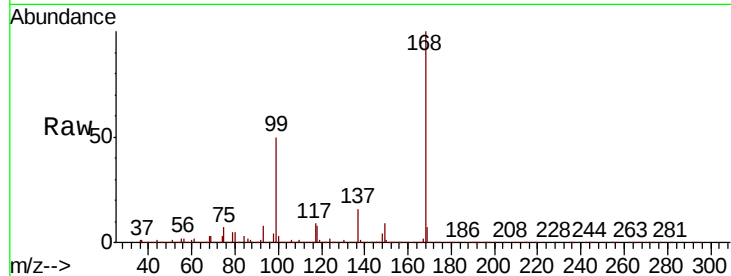




#36
 1,1-Dichloropropene
 Concen: 4.686 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX0144467.D
 Acq: 08 Jan 2020 13:38

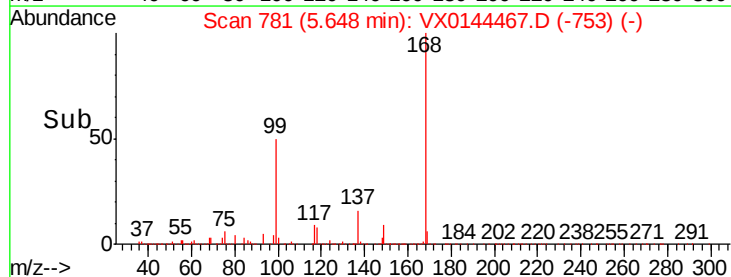
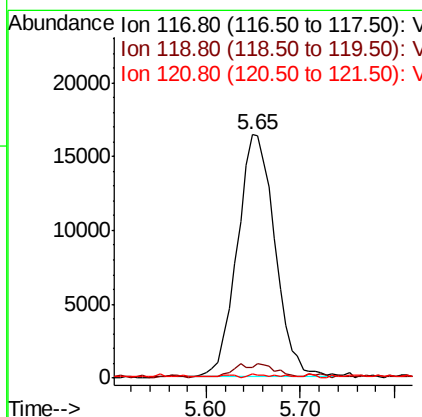
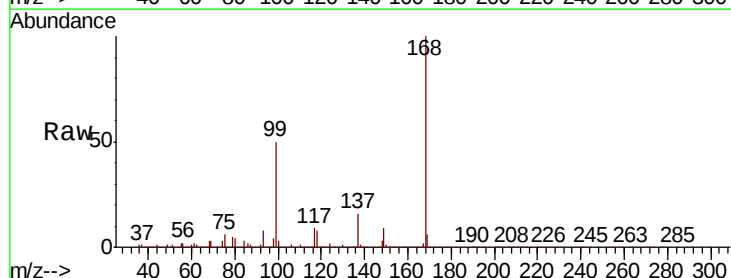
Instrument :
 MSVOA_X
 ClientSampleId :

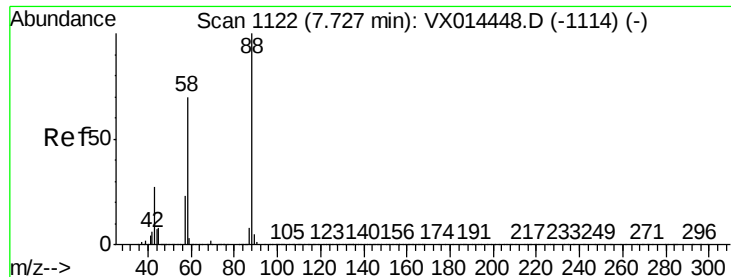
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.3	18.6	55.8#
77	0.9	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.575 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX0144467.D
 Acq: 08 Jan 2020 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	73.8	110.8#
121	1.1	23.4	35.0#





#49

1,4-Dioxane

Concen: 1.363 ug/l

RT: 7.72 min Scan# 1120

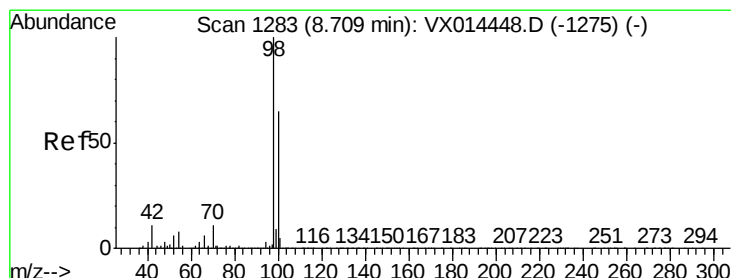
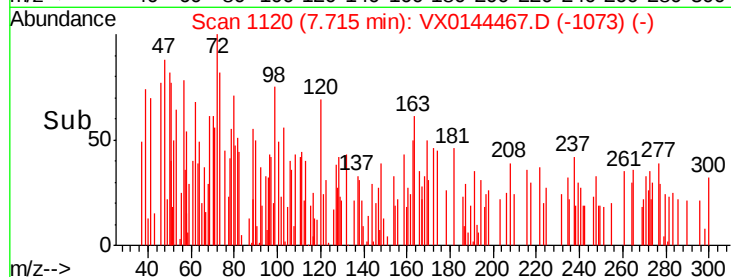
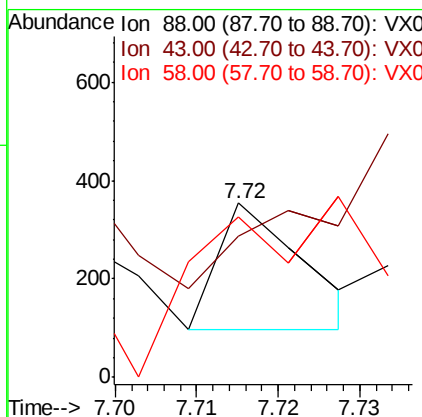
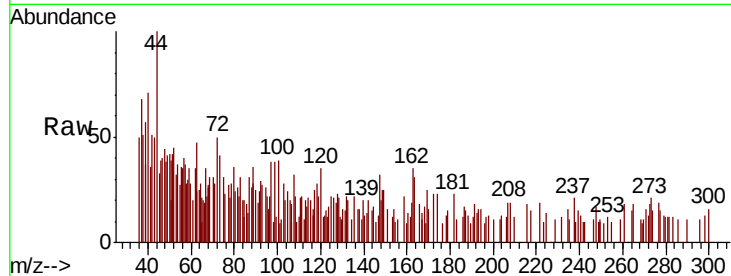
Delta R.T. -0.01 min

Lab File: VX0144467.D

Acq: 08 Jan 2020 13:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	88	Resp:	184
Ion	Ratio	Lower	Upper
88	100		
43	245.1	27.4	41.0#
58	158.2	57.1	85.7#



#50

Toluene-d8

Concen: 50.449 ug/l

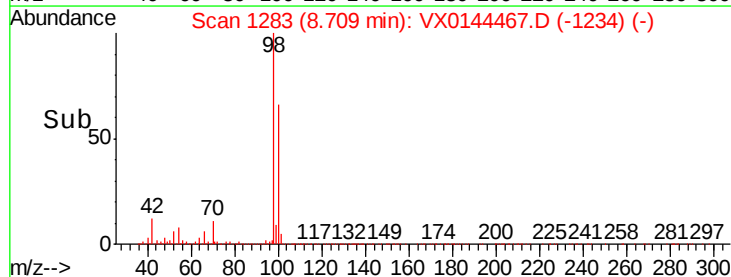
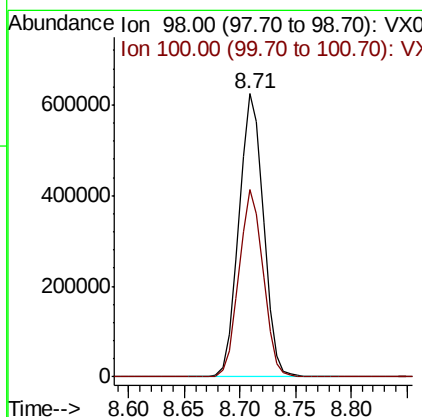
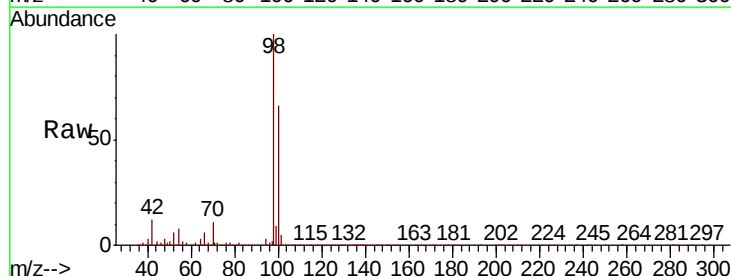
RT: 8.71 min Scan# 1283

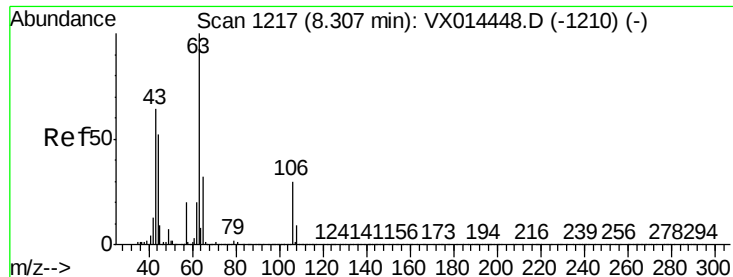
Delta R.T. -0.00 min

Lab File: VX0144467.D

Acq: 08 Jan 2020 13:38

Tgt Ion:	98	Resp:	955245
Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.2	79.8

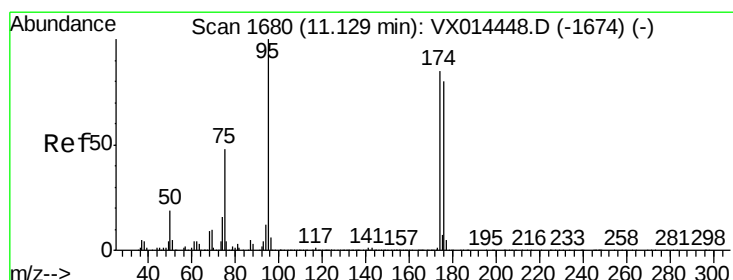
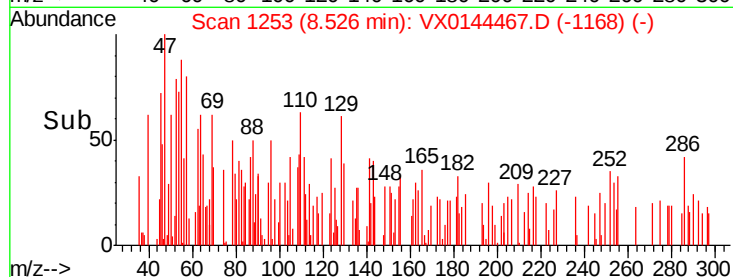
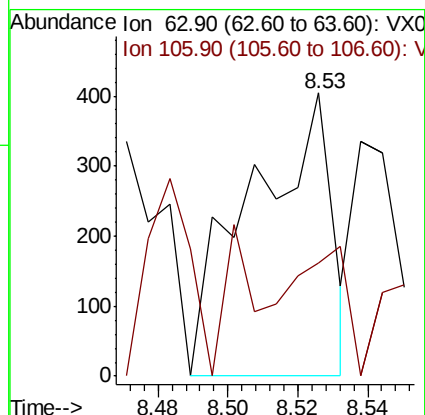
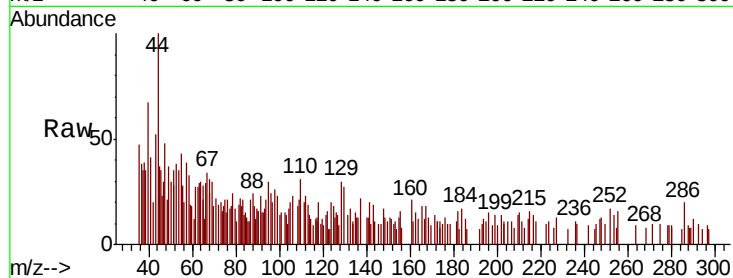




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.216 ug/l
 RT: 8.53 min Scan# 1253
 Delta R.T. 0.22 min
 Lab File: VX0144467.D
 Acq: 08 Jan 2020 13:38

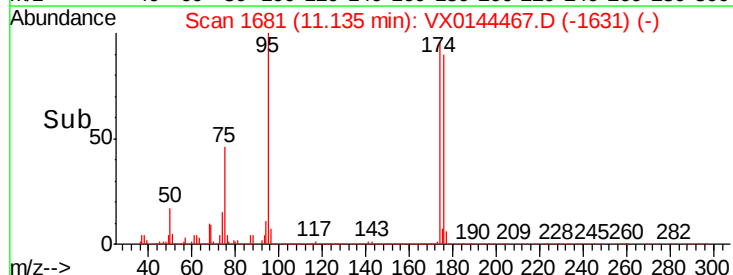
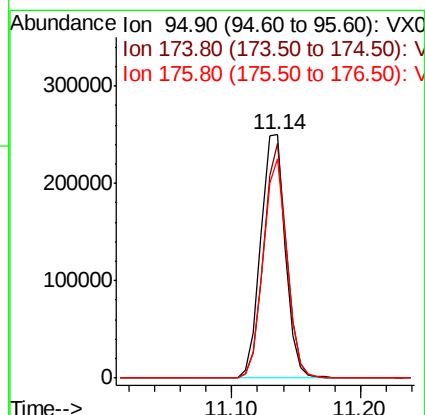
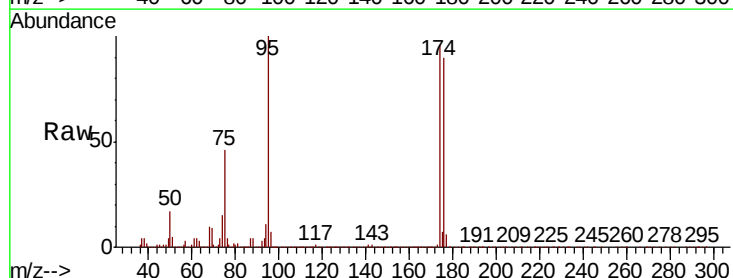
Instrument :
 MSVOA_X
 ClientSampled :

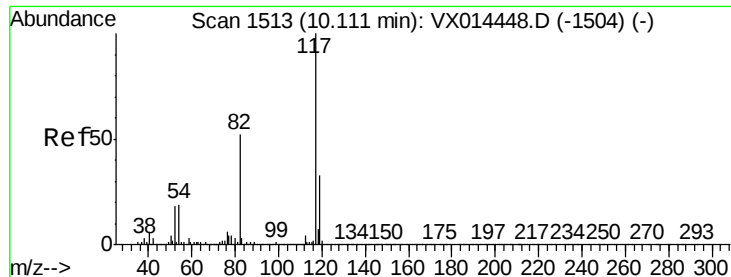
Tot Ion: 63 Resp: 652
 Ion Ratio Lower Upper
 63 100
 106 27.5 23.6 35.4



#62
 4-Bromofluorobenzene
 Concen: 47.021 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX0144467.D
 Acq: 08 Jan 2020 13:38

Tgt Ion: 95 Resp: 326853
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 180.8
 176 87.5 0.0 172.8

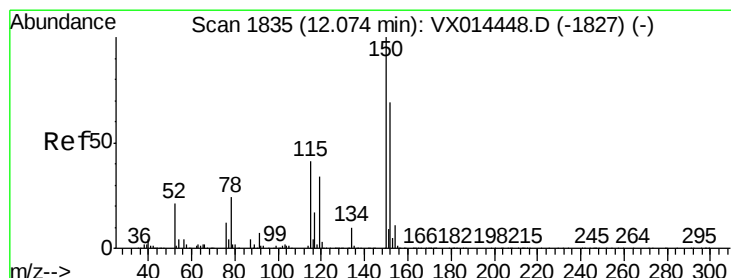
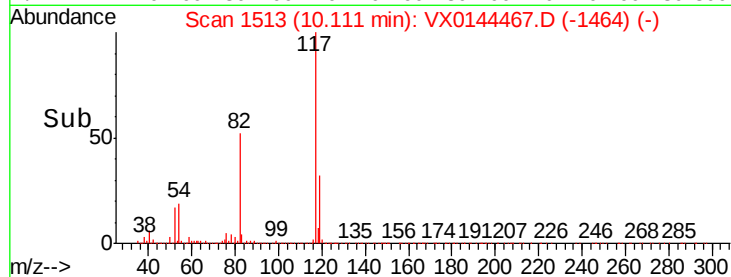
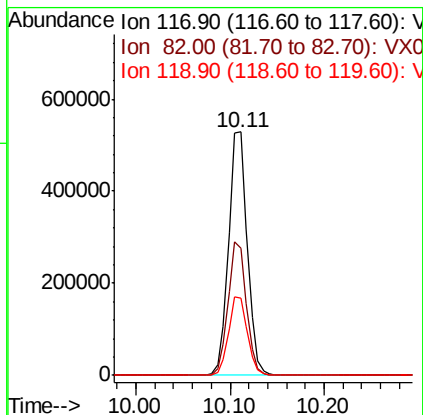
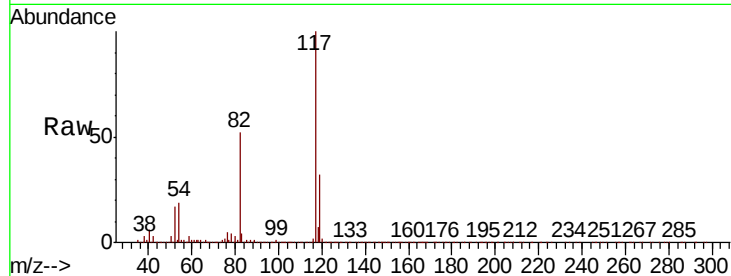




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX0144467.D
Acq: 08 Jan 2020 13:38

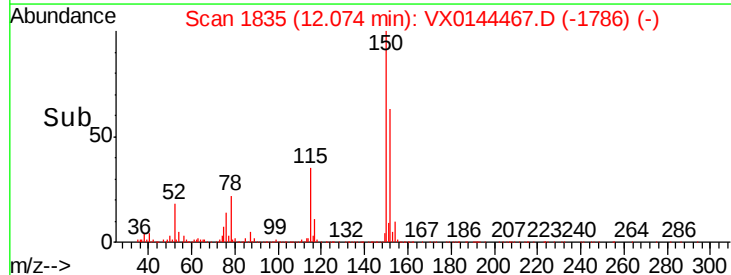
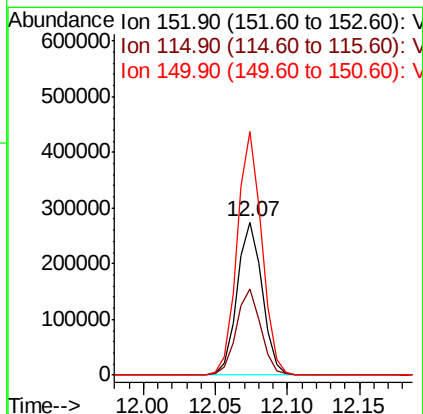
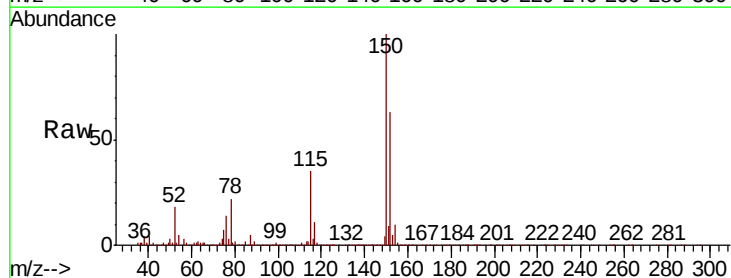
Instrument :
MSVOA_X
ClientSampleId :

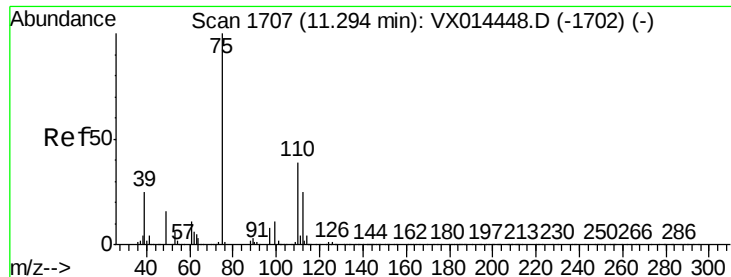
Tot Ion:117 Resp: 730732
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.6
119 31.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX0144467.D
Acq: 08 Jan 2020 13:38

Tgt Ion:152 Resp: 333470
Ion Ratio Lower Upper
152 100
115 55.0 39.5 118.3
150 156.8 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 22.730 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX0144467.D

Acq: 08 Jan 2020 13:38

Instrument :

MSVOA_X

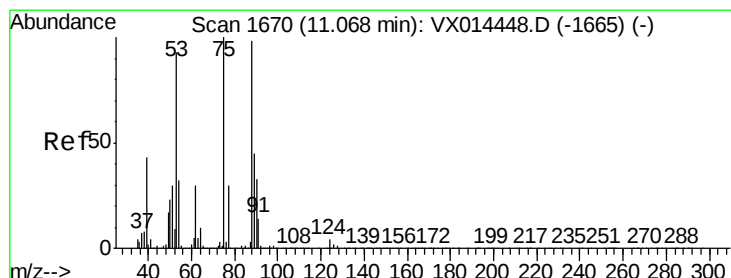
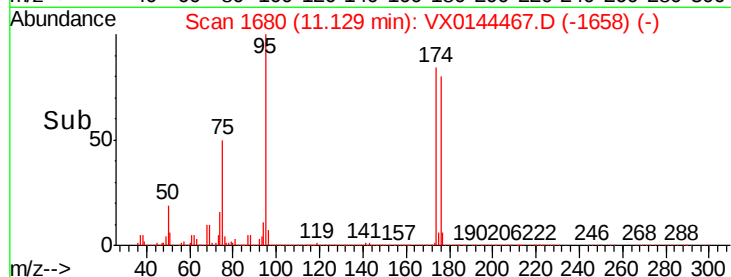
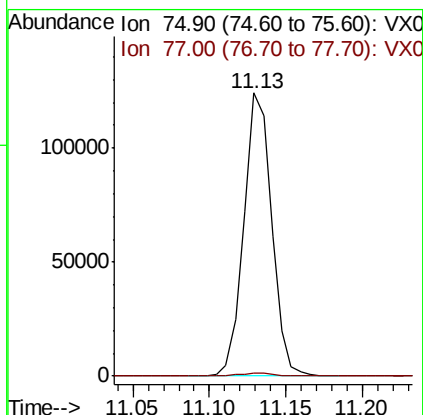
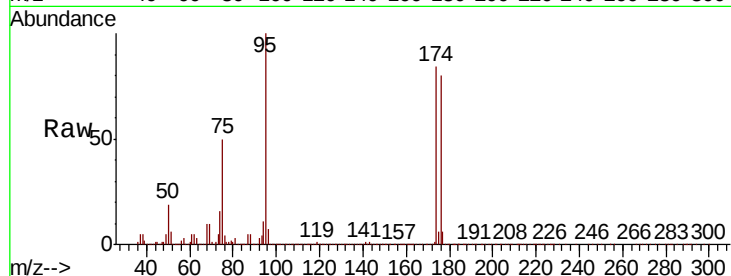
ClientSampleId :

Tot Ion: 75 Resp: 156827

Ion Ratio Lower Upper

75 100

77 1.4 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.094 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX0144467.D

Acq: 08 Jan 2020 13:38

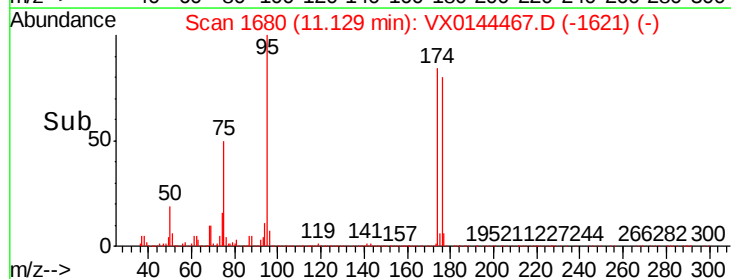
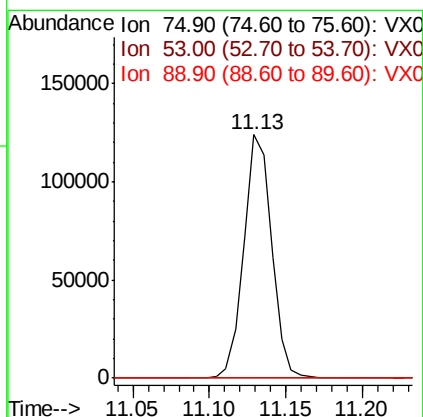
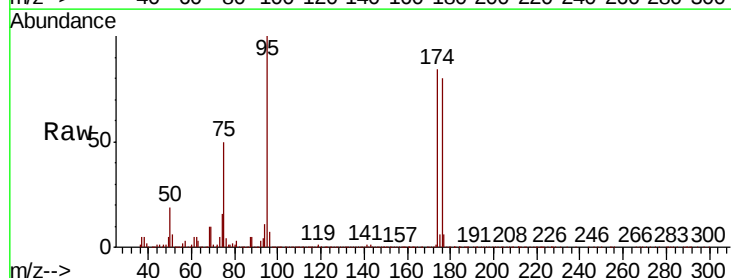
Tgt Ion: 75 Resp: 156827

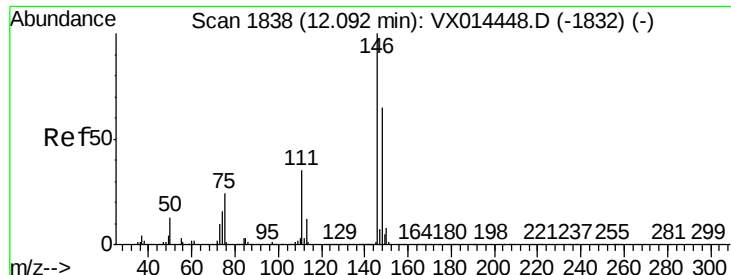
Ion Ratio Lower Upper

75 100

53 0.2 74.8 112.2#

89 0.1 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.08 min Scan# 1836

Delta R.T. -0.01 min

Lab File: VX0144467.D

Acq: 08 Jan 2020 13:38

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:146 Resp: 793

Ion Ratio Lower Upper

146 100

111 570.4 18.1 54.1#

148 269.6 32.1 96.3#

