

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014499.D
 Acq On : 09 Jan 2020 16:08
 Operator : JC/SP
 Sample : VX0109WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBL02

Quant Time: Jan 09 16:31:08 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	514764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	783678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	704530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	316122	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	280129	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	5.48	113	234883	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	8.71	98	916933	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.13	95	314114	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	

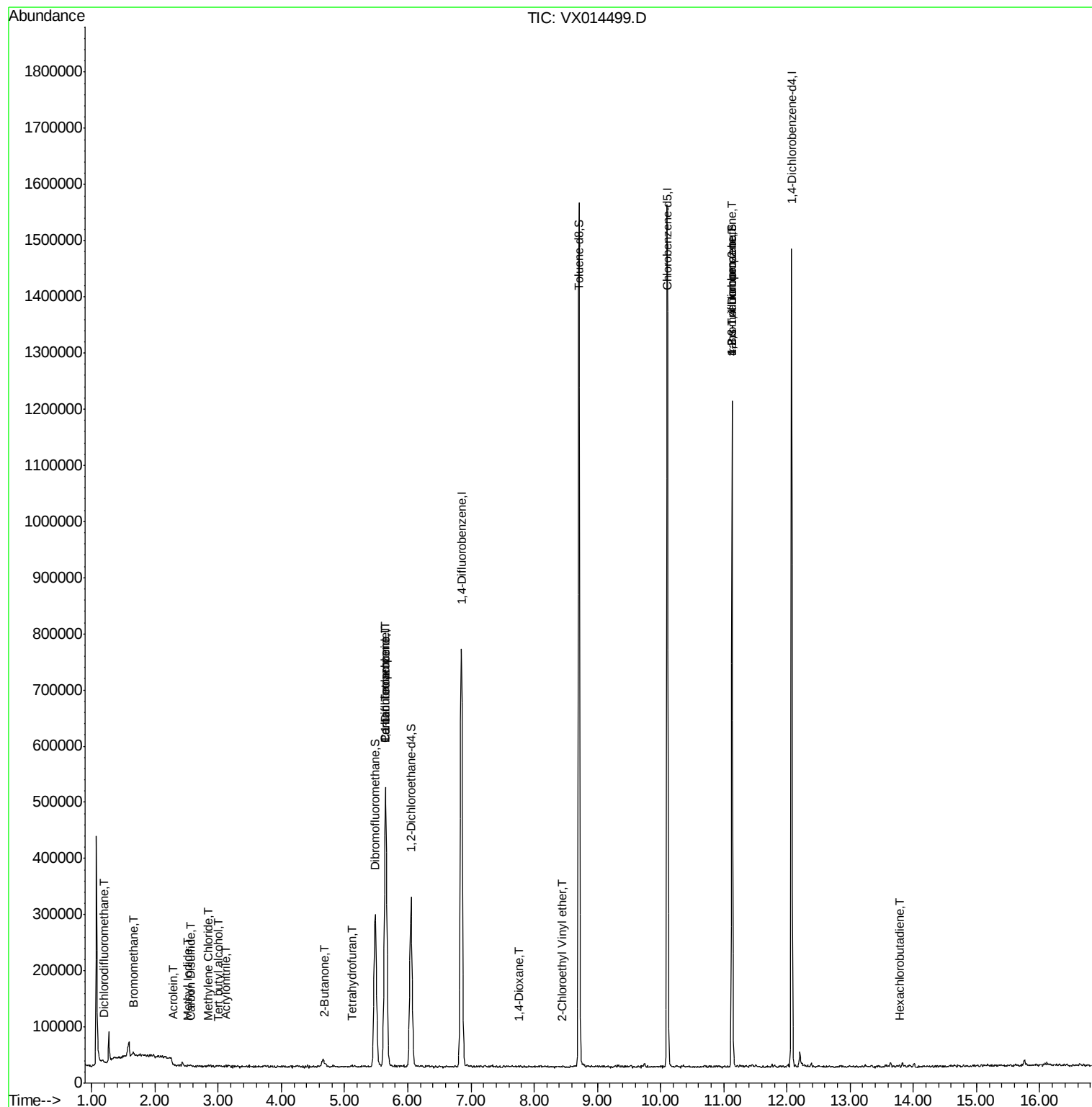
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	407	0.316	ug/l #	42
5) Bromomethane	1.65	94	2251	0.464	ug/l #	79
6) Chloroethane	1.74	64	785	Below Cal		91
10) Methyl Iodide	2.52	142	1819	0.301	ug/l #	77
11) Tert butyl alcohol	3.01	59	2011	1.676	ug/l #	47
13) Acrolein	2.30	56	997	1.037	ug/l #	15
15) Acrylonitrile	3.12	53	757	0.261	ug/l #	89
16) Acetone	2.43	43	6808	Below Cal		100
17) Carbon Disulfide	2.56	76	3665	0.258	ug/l #	64
20) Methylene Chloride	2.84	84	1350	0.234	ug/l #	73
25) 2-Butanone	4.67	43	2249	0.524	ug/l	95
29) Tetrahydrofuran	5.12	42	1117	0.440	ug/l #	90
36) 1,1-Dichloropropene	5.65	75	33771	4.582	ug/l #	42
38) Carbon Tetrachloride	5.64	117	45213	6.667	ug/l #	18
49) 1,4-Dioxane	7.75	88	272	2.073	ug/l #	65
58) 2-Chloroethyl Vinyl ether	8.44	63	775	0.264	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	154250	23.583	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	154250	62.350	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	1887	Below Cal	#	1
94) Hexachlorobutadiene	13.78	225	689	0.255	ug/l	89
96) 1,2,3-Trichlorobenzene	14.02	180	1557	Below Cal	#	71

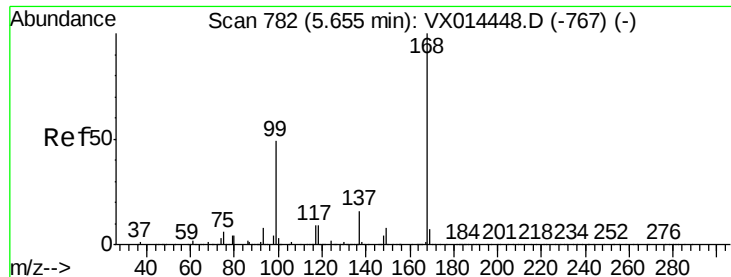
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010920\
Data File : VX014499.D
Acq On : 09 Jan 2020 16:08
Operator : JC/SP
Sample : VX0109WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBL02

Quant Time: Jan 09 16:31:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
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# 781

Delta R.T. -0.01 min

Lab File: VX014499.D

Acq: 09 Jan 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

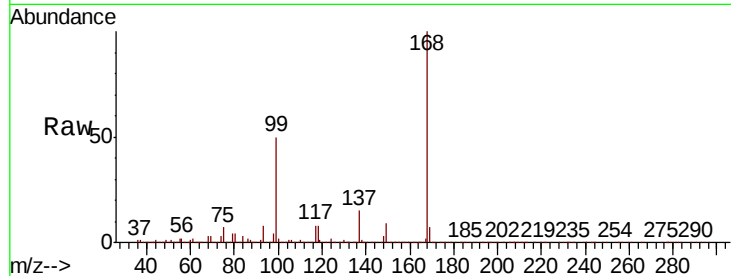
VX0109WBL02

Tot Ion:168 Resp: 514764

Ion Ratio Lower Upper

168 100

99 49.6 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

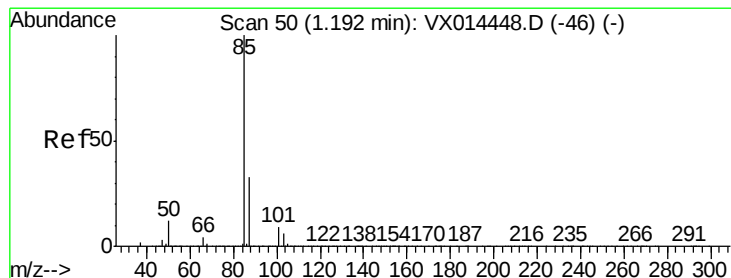
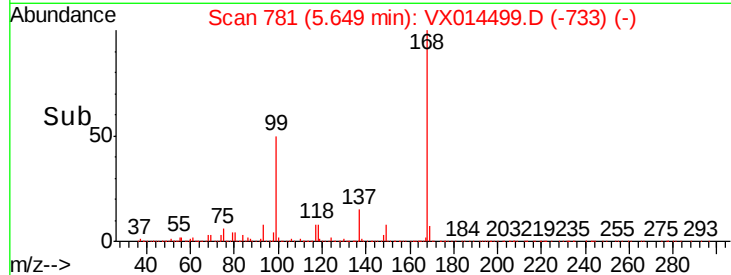
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.316 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX014499.D

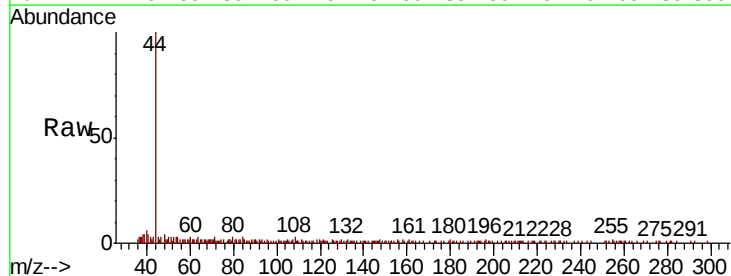
Acq: 09 Jan 2020 16:08

Tgt Ion: 85 Resp: 407

Ion Ratio Lower Upper

85 100

87 0.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

400

300

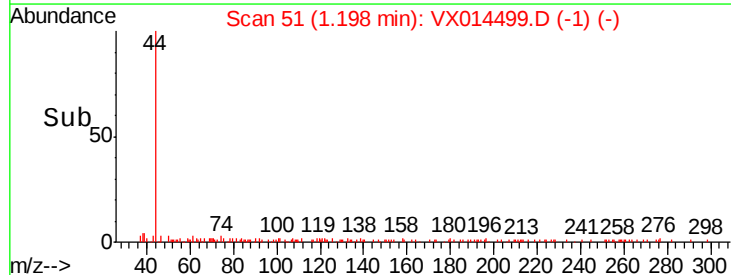
200

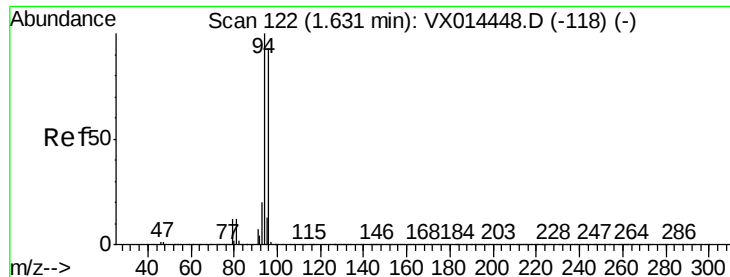
100

0

Time-->

1.18 1.19 1.20 1.21





#5

Bromomethane

Concen: 0.464 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014499.D

Acq: 09 Jan 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

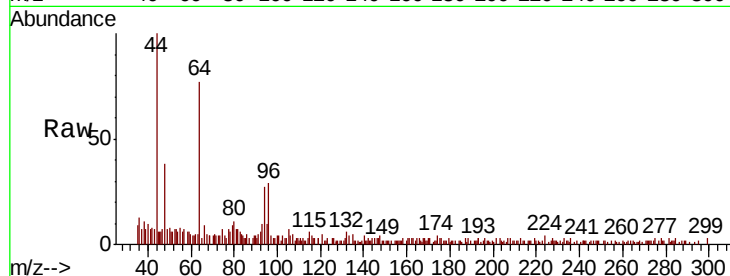
VX0109WBL02

Tot Ion: 94 Resp: 2251

Ion Ratio Lower Upper

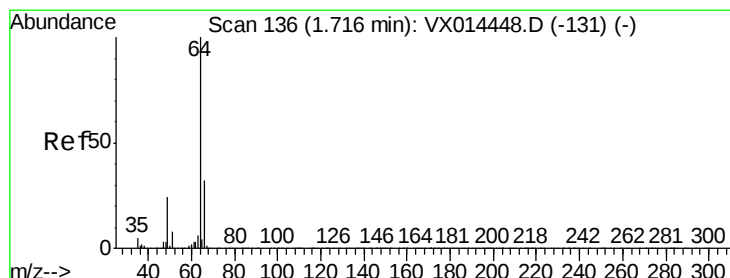
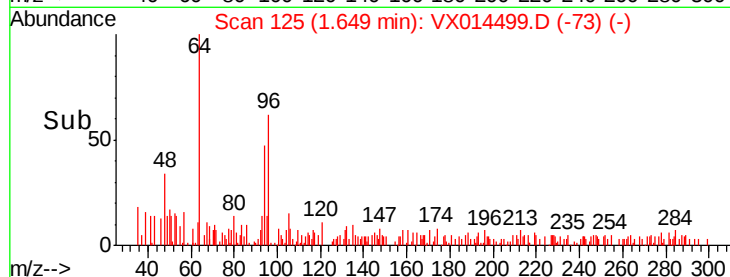
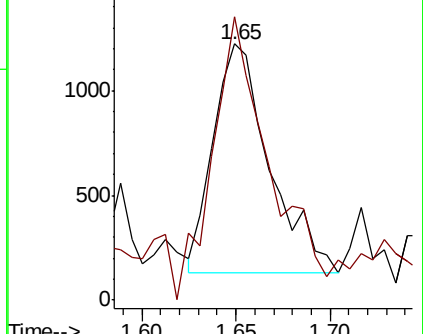
94 100

96 113.2 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: 1.74 min Scan# 140

Delta R.T. 0.02 min

Lab File: VX014499.D

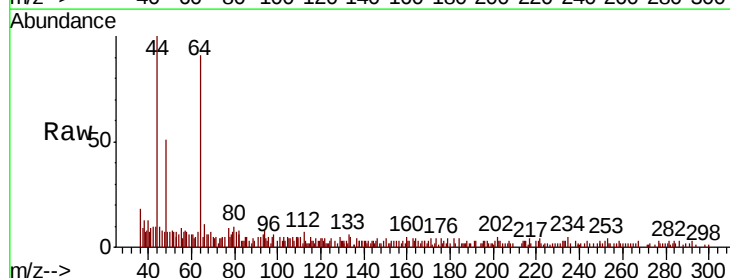
Acq: 09 Jan 2020 16:08

Tgt Ion: 64 Resp: 785

Ion Ratio Lower Upper

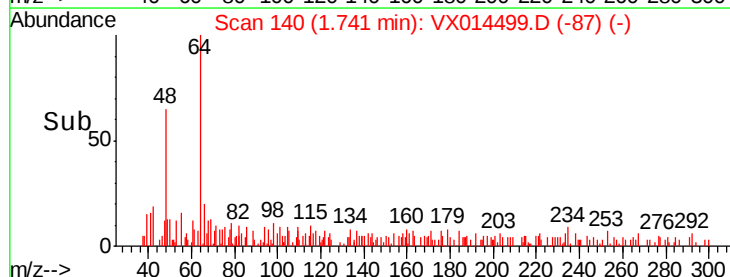
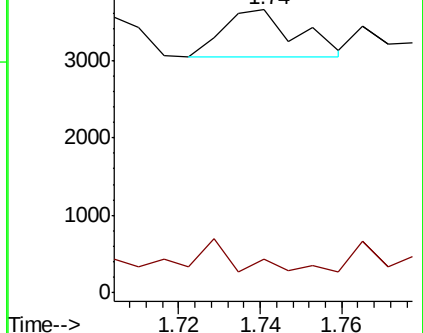
64 100

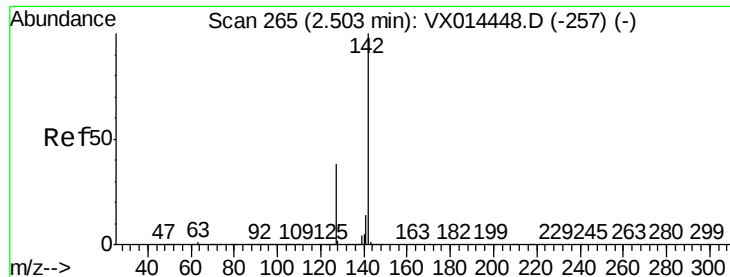
66 26.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

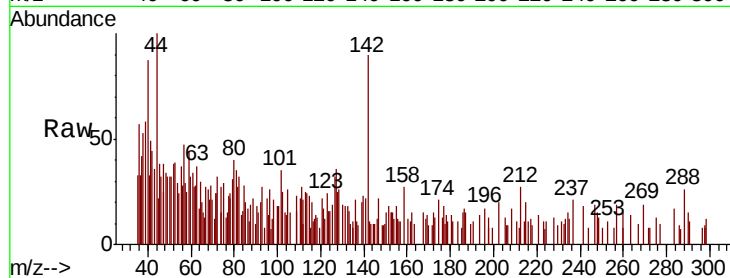




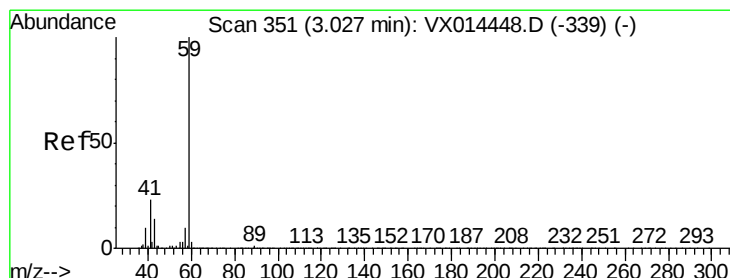
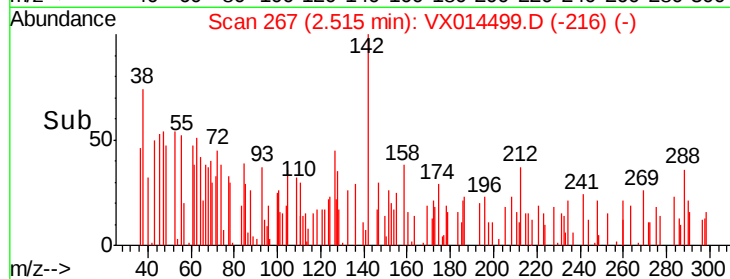
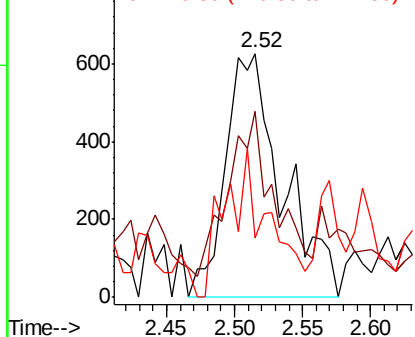
#10
Methvl Iodide
Concen: 0.301 ug/l
RT: 2.52 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

Instrument :
MSVOA_X
ClientSampleId :
VX0109WBL02

Tot Ion:142 Resp: 1819
Ion Ratio Lower Upper
142 100
127 56.0 31.2 46.8#
141 18.5 11.4 17.2#

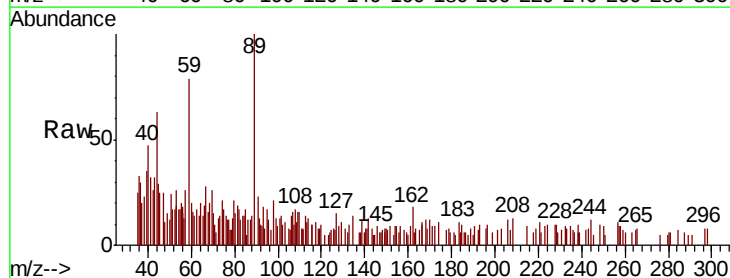


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

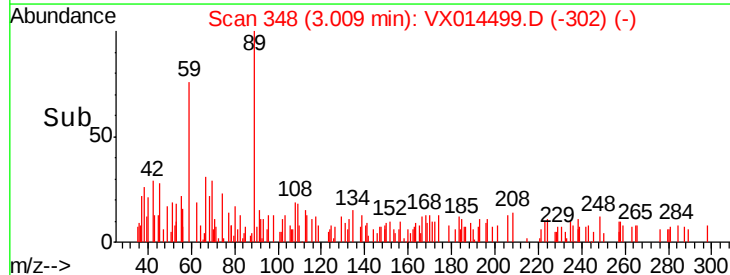
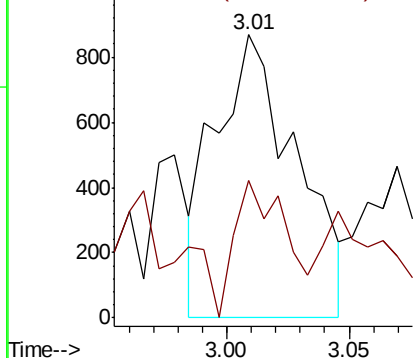


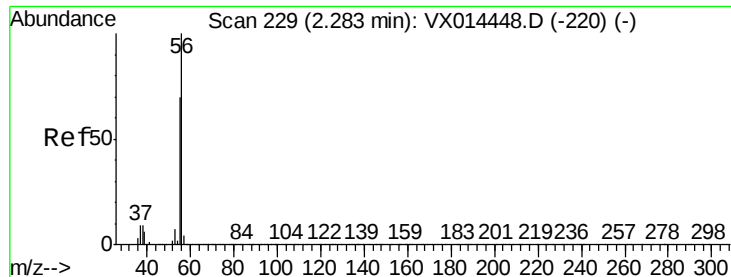
#11
Tert butyl alcohol
Concen: 1.676 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

Tgt Ion: 59 Resp: 2011
Ion Ratio Lower Upper
59 100
57 30.5 8.5 12.7#



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

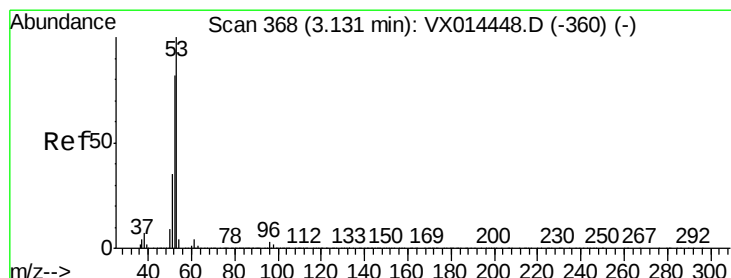
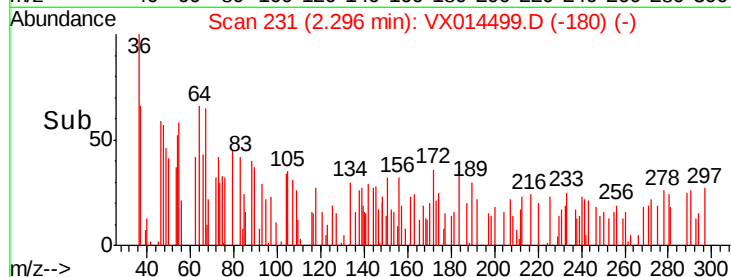
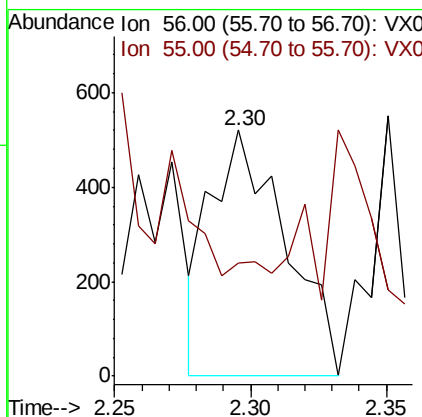
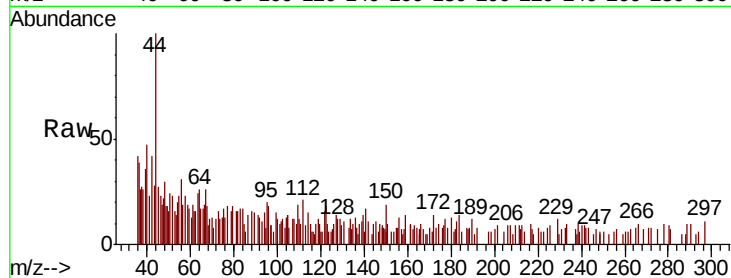




#13
Acrolein
Concen: 1.037 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

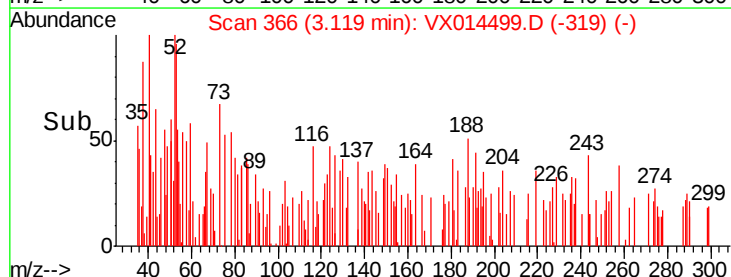
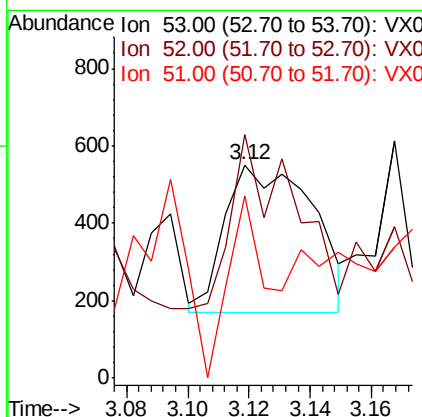
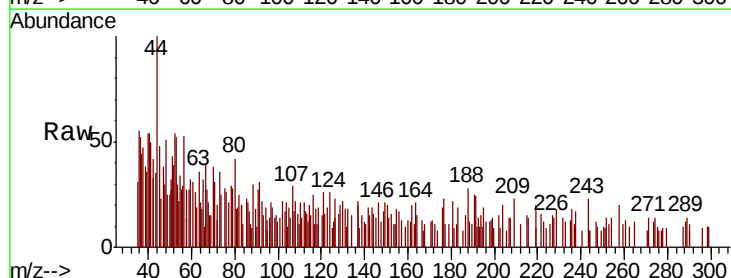
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBL02

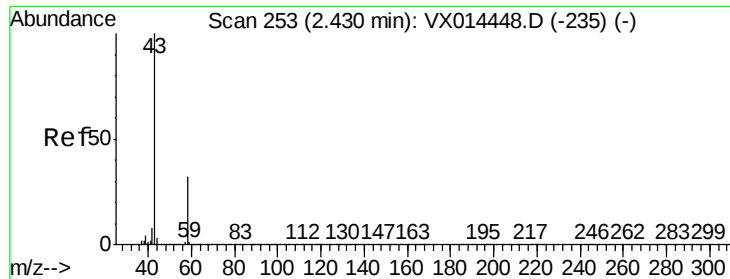
Tot Ion: 56 Resp: 997
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#15
Acrylonitrile
Concen: 0.261 ug/l
RT: 3.12 min Scan# 366
Delta R.T. -0.01 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

Tgt Ion: 53 Resp: 757
Ion Ratio Lower Upper
53 100
52 83.6 67.0 100.4
51 56.5 28.5 42.7#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014499.D

Acq: 09 Jan 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

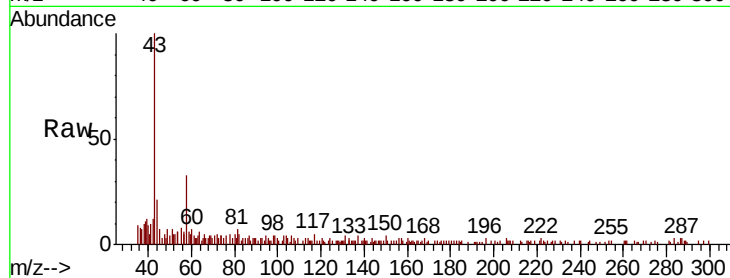
VX0109WBL02

Tot Ion: 43 Resp: 6808

Ion Ratio Lower Upper

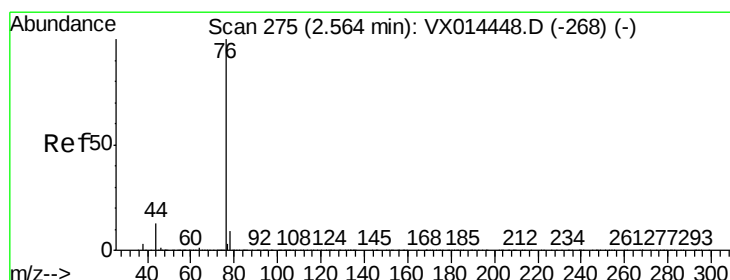
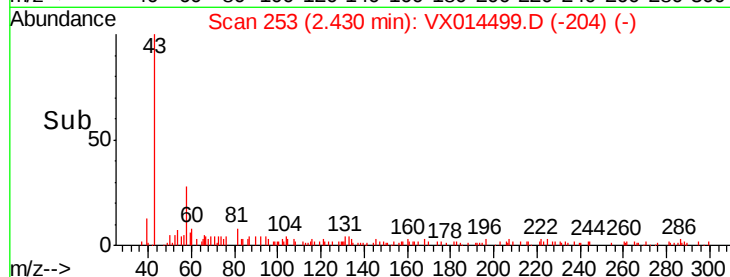
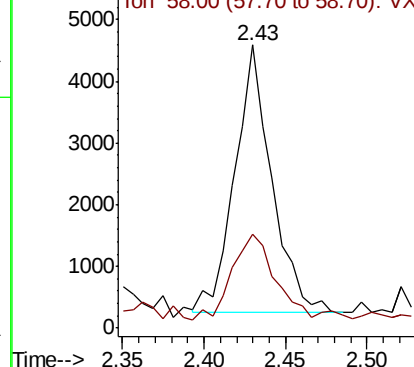
43 100

58 31.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.258 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014499.D

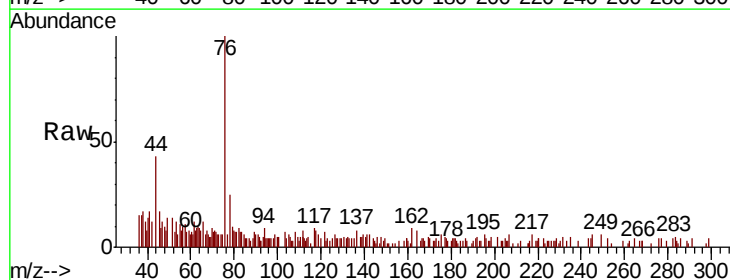
Acq: 09 Jan 2020 16:08

Tgt Ion: 76 Resp: 3665

Ion Ratio Lower Upper

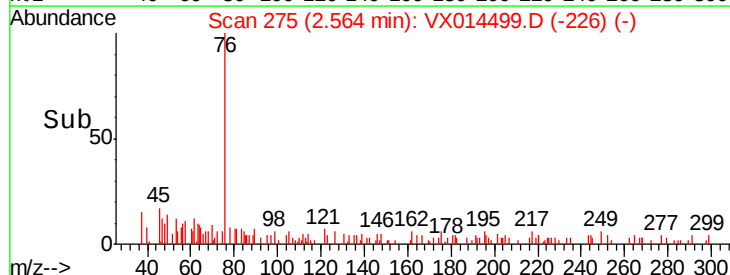
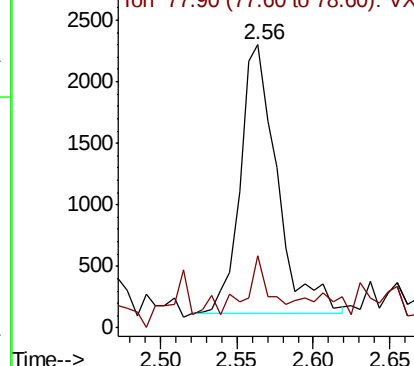
76 100

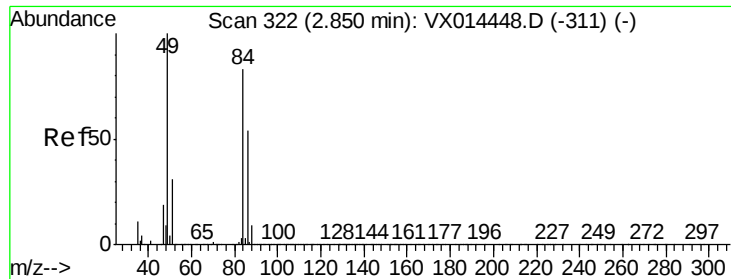
78 22.5 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

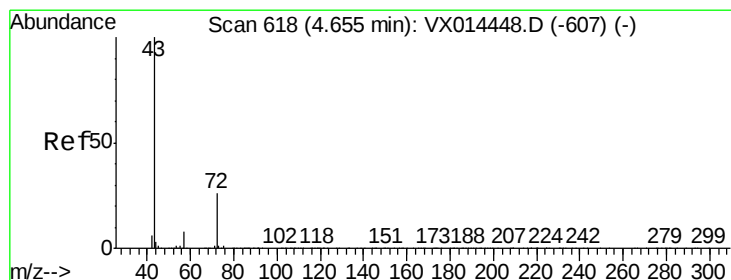
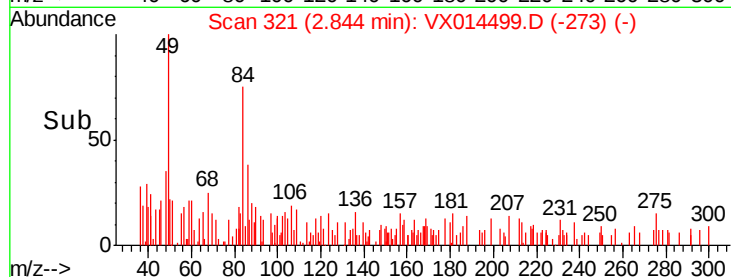
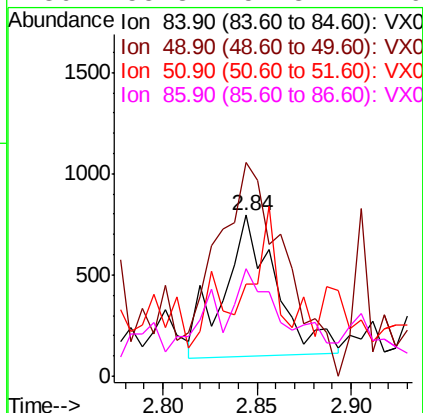
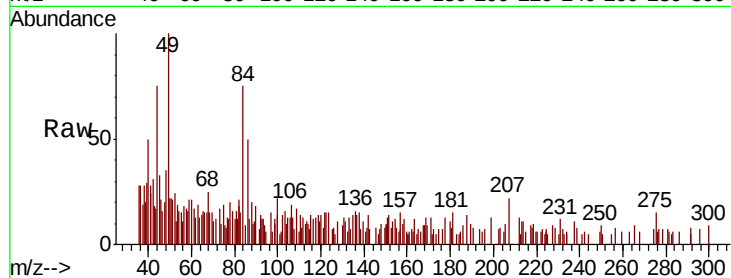




#20
Methvlene Chloride
Concen: 0.234 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

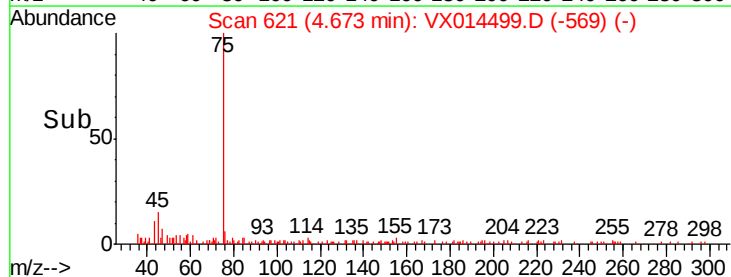
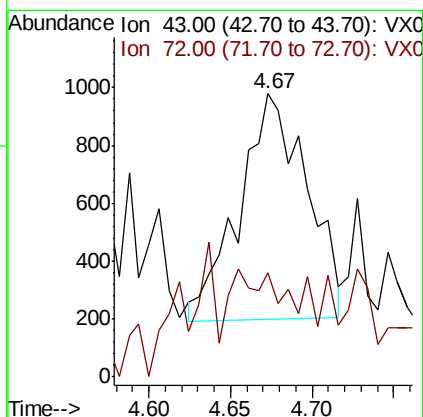
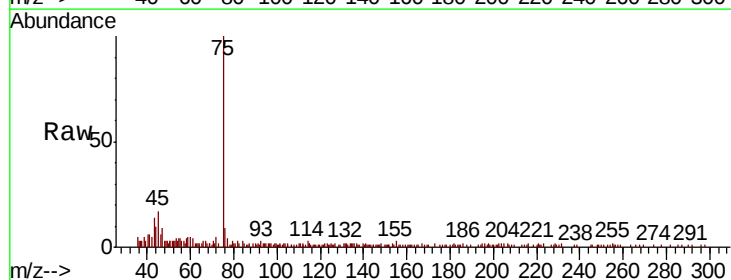
Instrument :
MSVOA_X
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VX0109WBL02

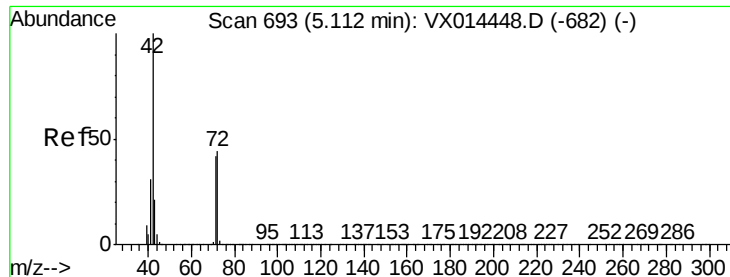
Tot Ion: 84 Resp: 1350
Ion Ratio Lower Upper
84 100
49 161.1 95.8 143.8#
51 48.7 30.2 45.4#
86 55.3 51.8 77.6



#25
2-Butanone
Concen: 0.524 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

Tgt Ion: 43 Resp: 2249
Ion Ratio Lower Upper
43 100
72 28.4 20.6 31.0





#29

Tetrahydrofuran

Concen: 0.440 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX014499.D

Acq: 09 Jan 2020 16:08

Instrument :

MSVOA_X

ClientSampled :

VX0109WBL02

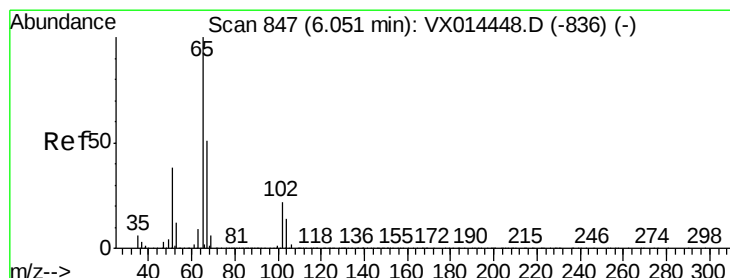
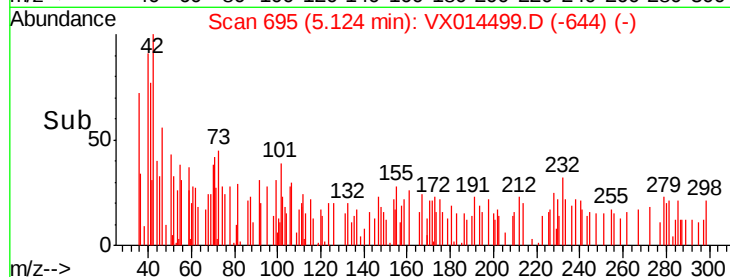
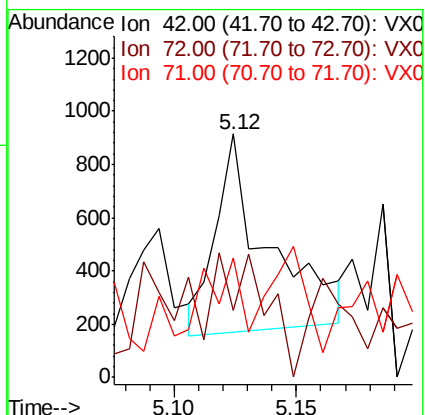
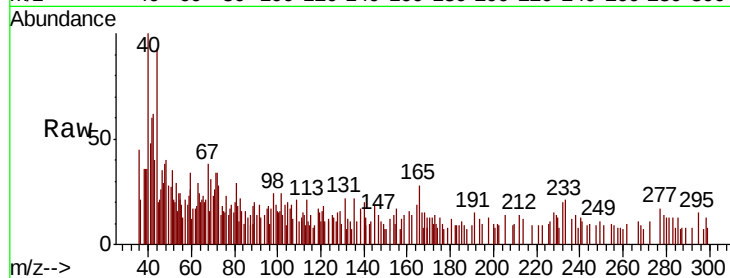
Tot Ion: 42 Resp: 1117

Ion Ratio Lower Upper

42 100

72 56.7 36.2 54.4#

71 41.8 34.1 51.1



#33

1,2-Dichloroethane-d4

Concen: 48.748 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014499.D

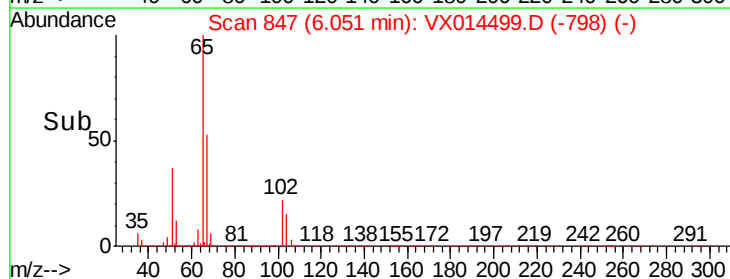
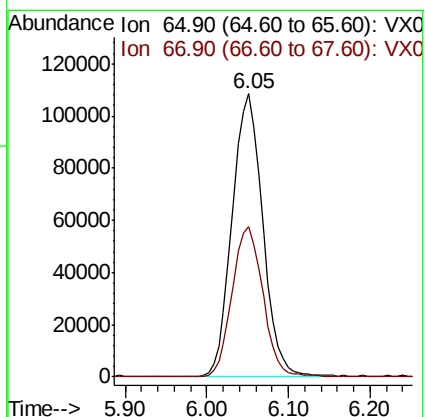
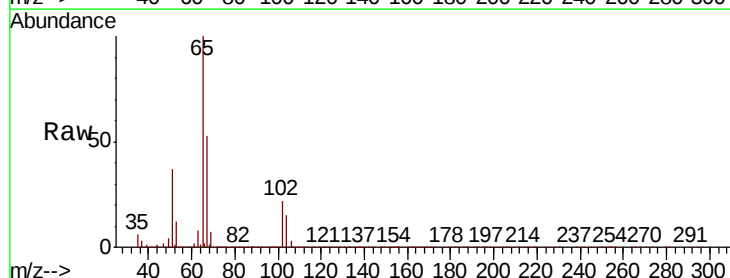
Acq: 09 Jan 2020 16:08

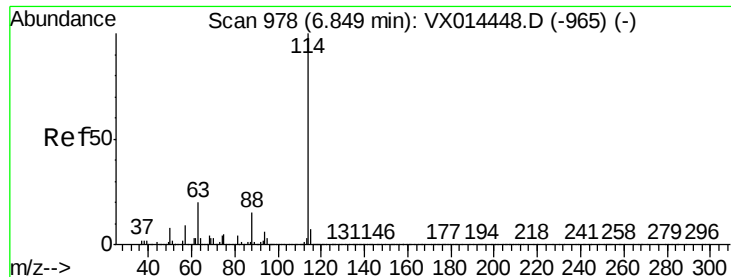
Tgt Ion: 65 Resp: 280129

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: VX014499.D

Acq: 09 Jan 2020 16:08

Instrument :

MSVOA_X

ClientSampleId :

VX0109WBL02

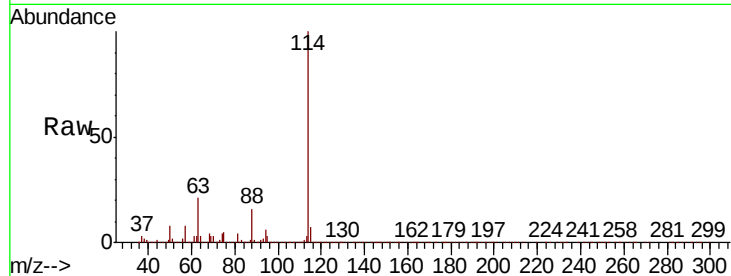
Tot Ion:114 Resp: 783678

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

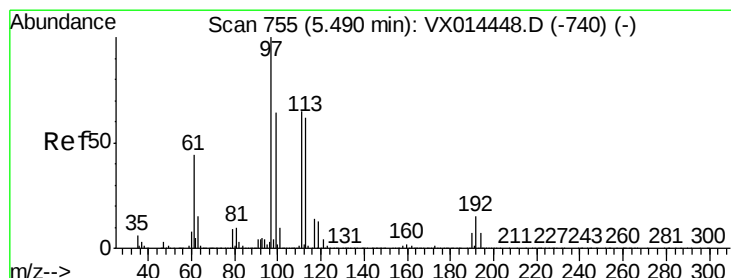
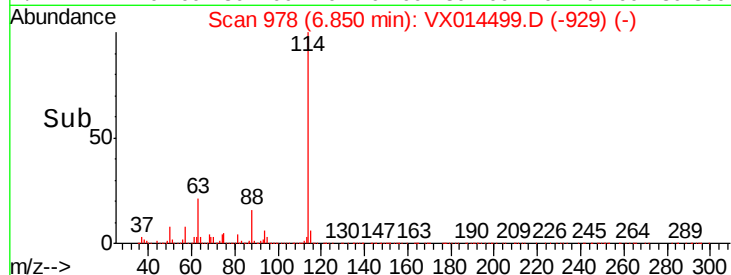
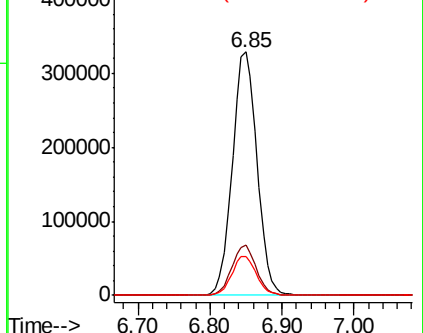
88 16.0 0.0 30.8



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: 49.512 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014499.D

Acq: 09 Jan 2020 16:08

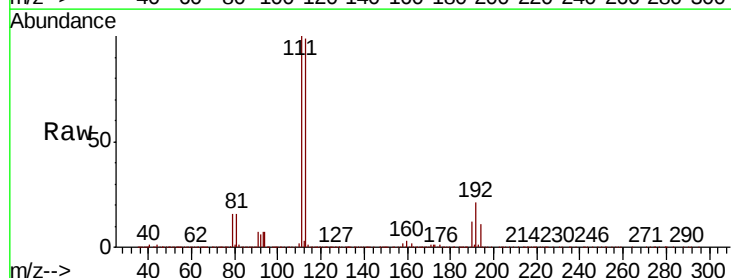
Tgt Ion:113 Resp: 234883

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

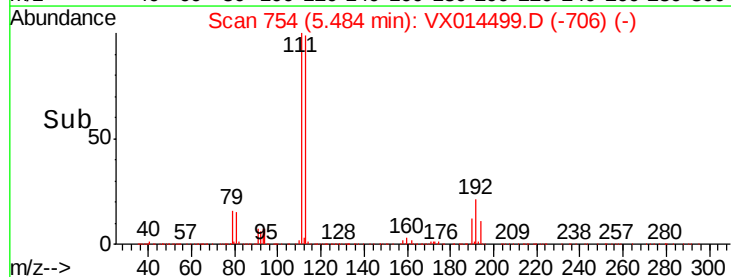
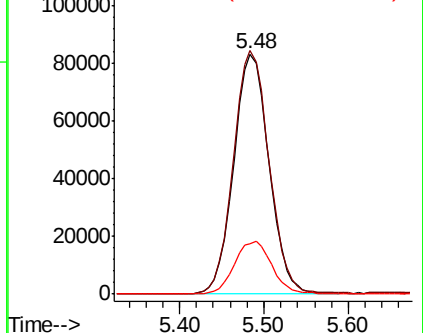
192 23.4 19.2 28.8

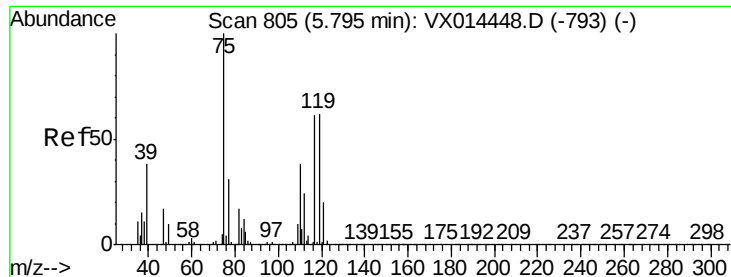


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

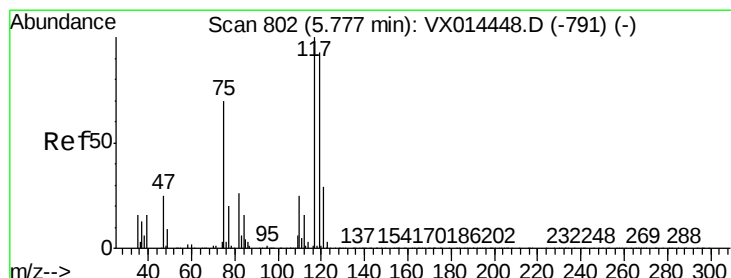
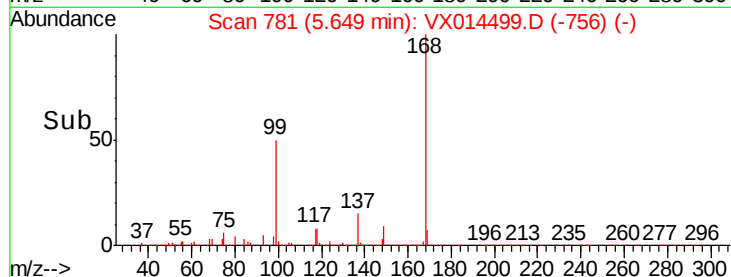
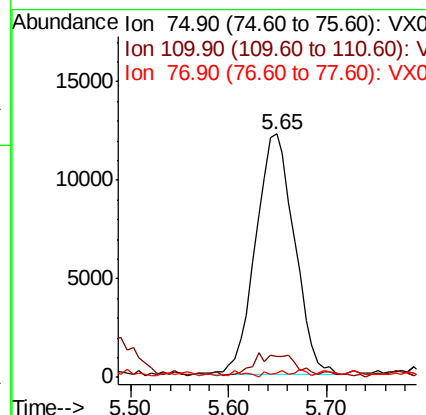
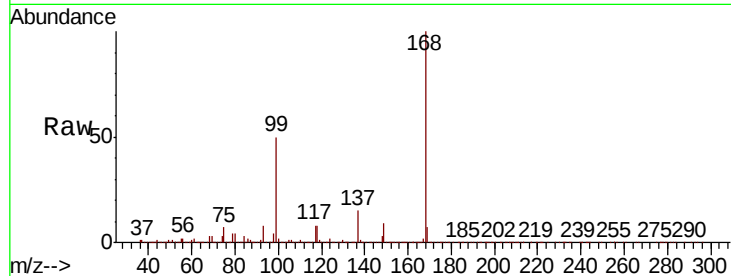




#36
 1,1-Dichloropropene
 Concen: 4.582 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014499.D
 Acq: 09 Jan 2020 16:08

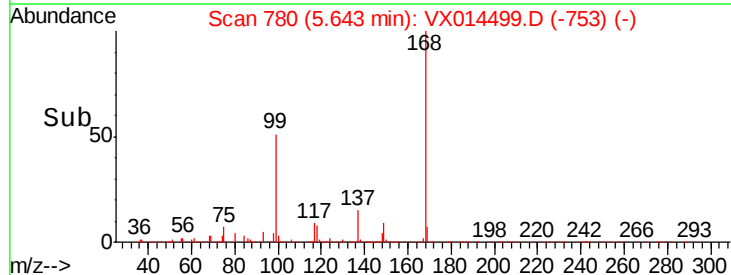
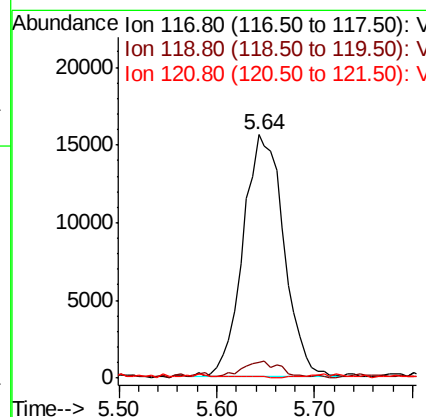
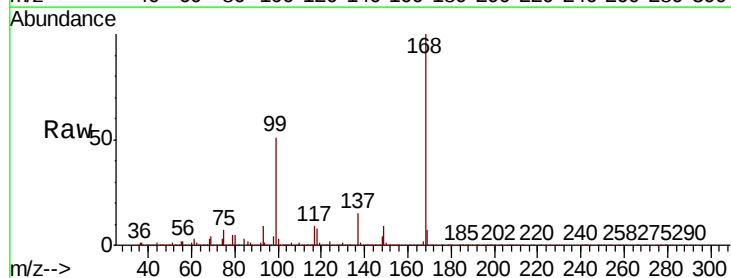
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBL02

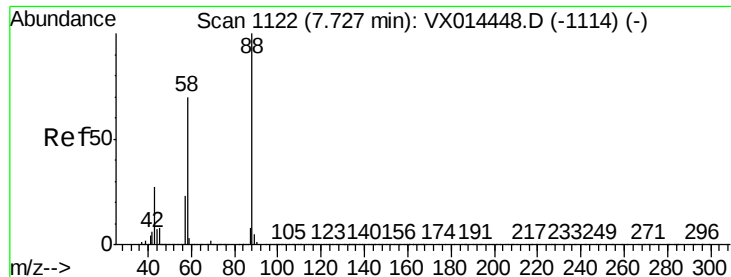
Tot Ion: 75 Resp: 33771
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 55.8#
 77 1.2 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.667 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX014499.D
 Acq: 09 Jan 2020 16:08

Tgt Ion: 117 Resp: 45213
 Ion Ratio Lower Upper
 117 100
 119 5.6 73.8 110.8#
 121 0.0 23.4 35.0#





#49

1,4-Dioxane

Concen: 2.073 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VX014499.D

Acq: 09 Jan 2020 16:08

Instrument :

MSVOA_X

ClientSampled :

VX0109WBL02

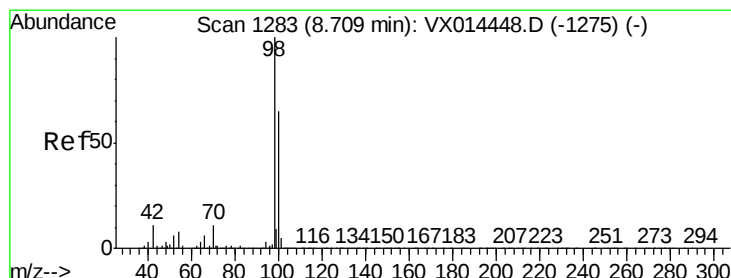
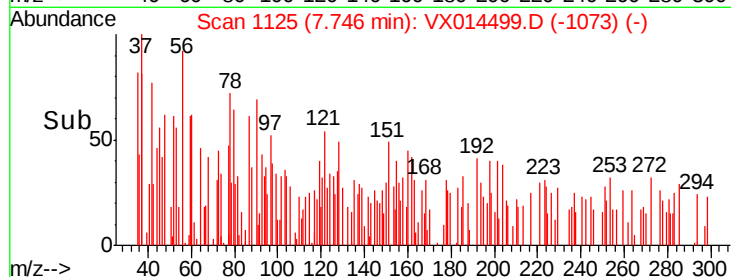
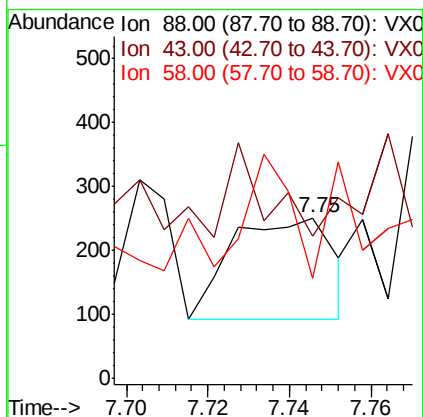
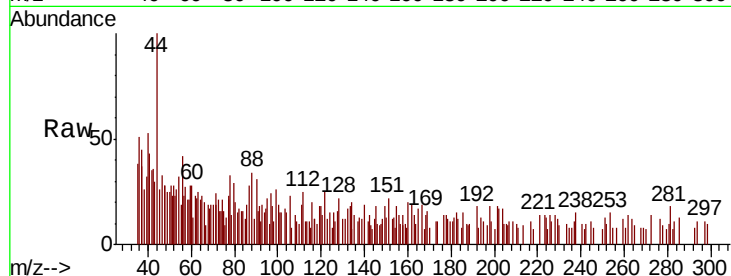
Tot Ion: 88 Resp: 272

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 52.6 57.1 85.7#



#50

Toluene-d8

Concen: 49.807 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014499.D

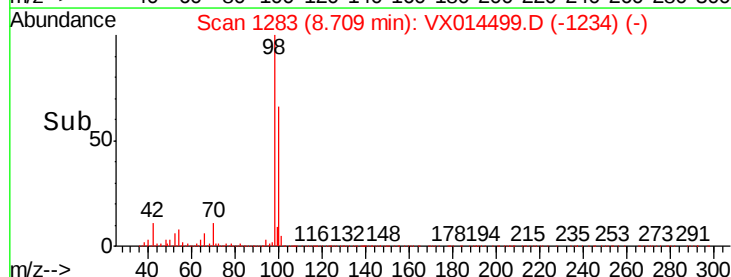
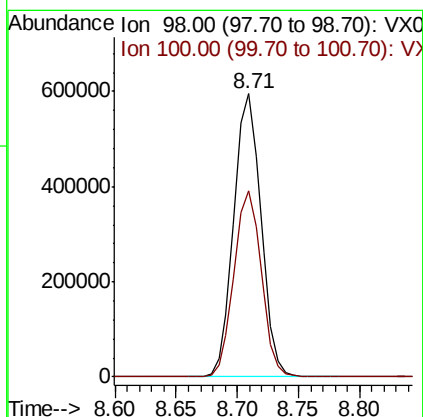
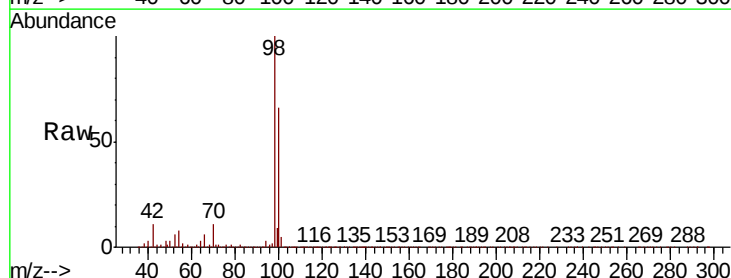
Acq: 09 Jan 2020 16:08

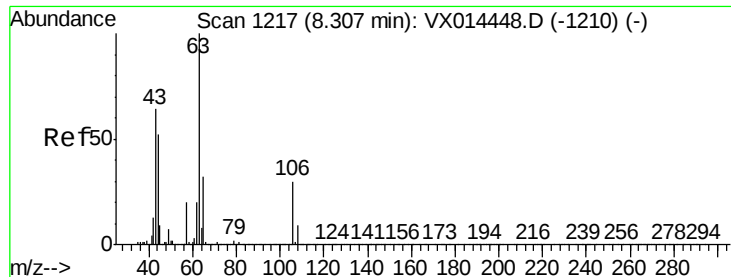
Tgt Ion: 98 Resp: 916933

Ion Ratio Lower Upper

98 100

100 66.1 53.2 79.8

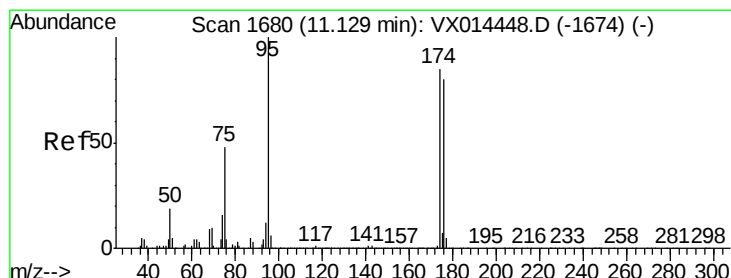
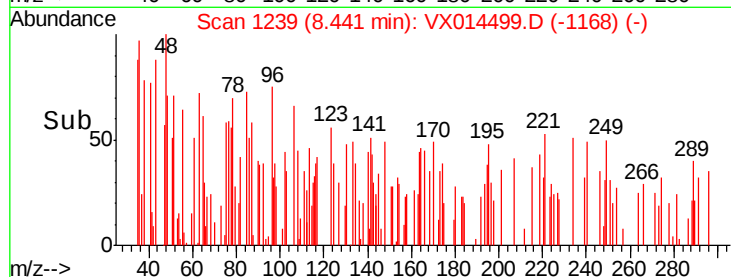
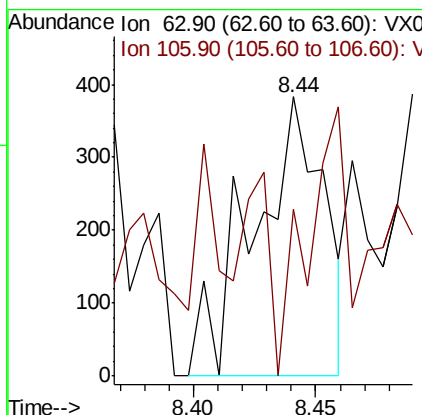
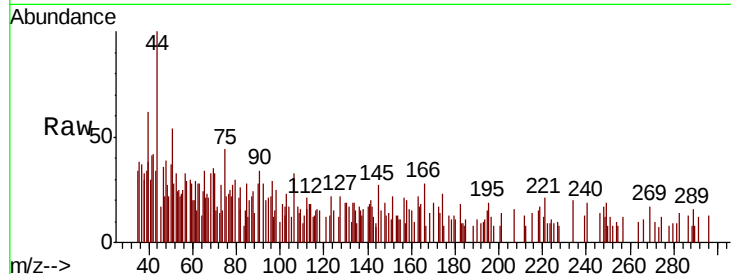




#58
2-Chloroethyl Vinyl ether
Concen: 0.264 ug/l
RT: 8.44 min Scan# 1239
Delta R.T. 0.13 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

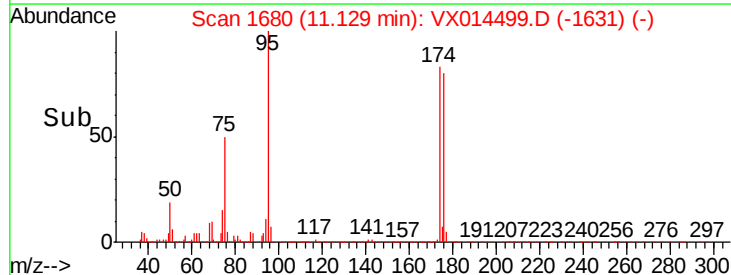
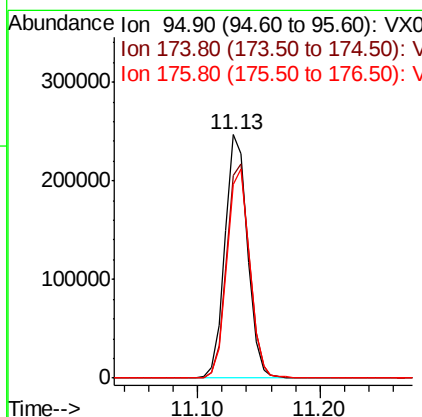
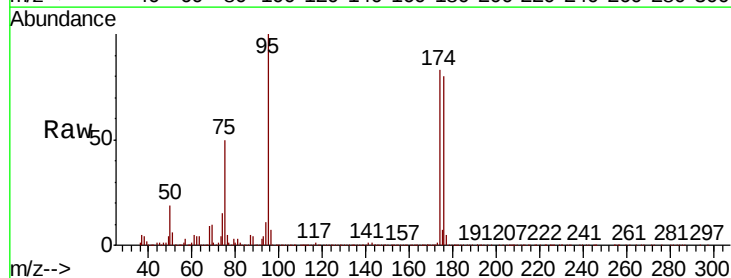
Instrument :
MSVOA_X
ClientSampled :
VX0109WBL02

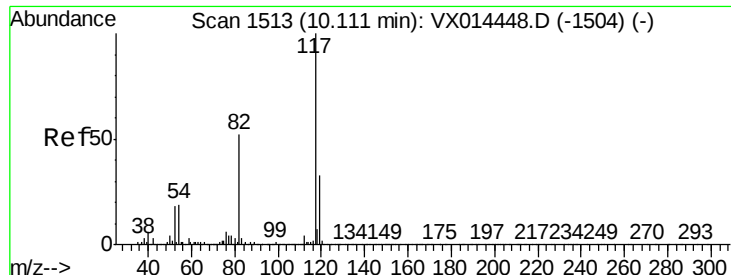
Tot Ion: 63 Resp: 775
Ion Ratio Lower Upper
63 100
106 24.6 23.6 35.4



#62
4-Bromofluorobenzene
Concen: 46.478 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

Tgt Ion: 95 Resp: 314114
Ion Ratio Lower Upper
95 100
174 89.3 0.0 180.8
176 86.5 0.0 172.8

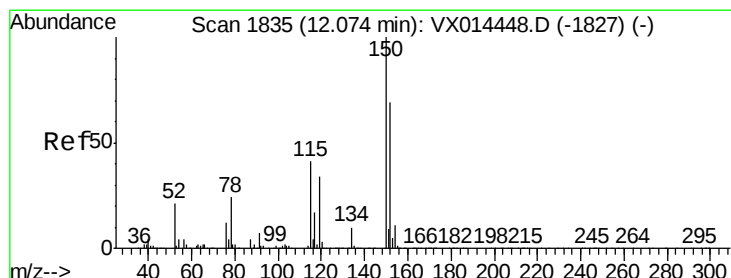
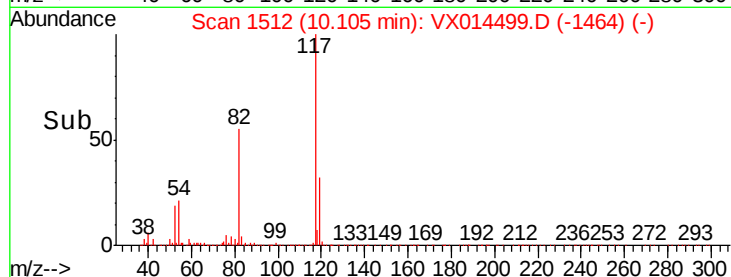
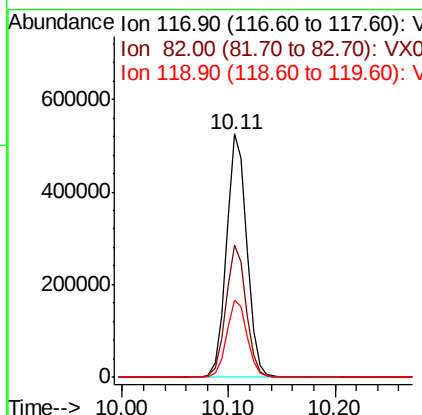
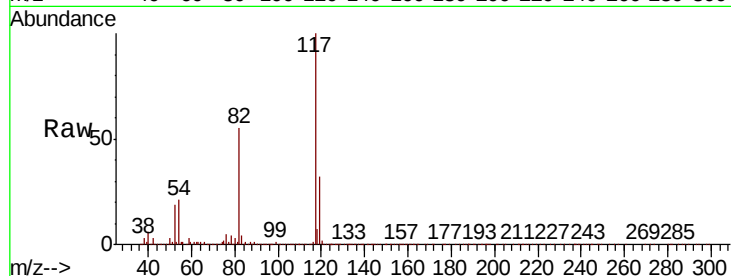




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

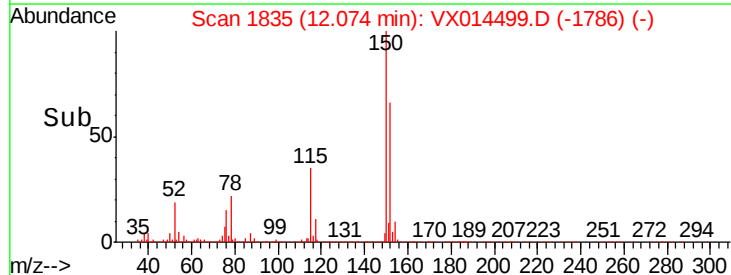
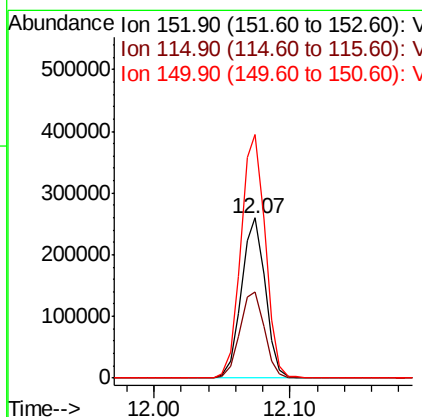
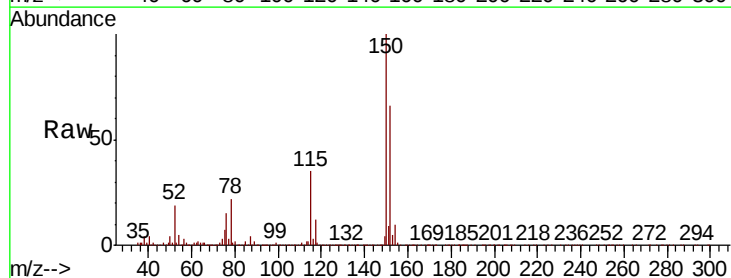
Instrument :
MSVOA_X
ClientSampleId :
VX0109WBL02

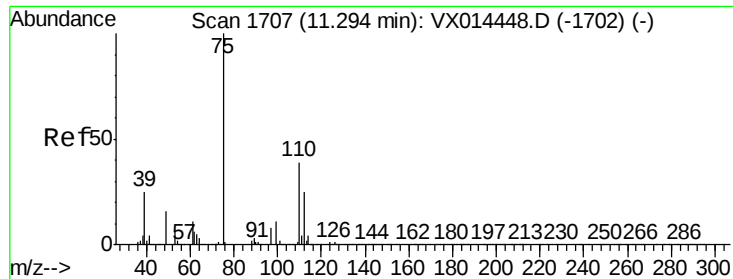
Tot Ion:117 Resp: 704530
Ion Ratio Lower Upper
117 100
82 54.5 41.8 62.6
119 31.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014499.D
Acq: 09 Jan 2020 16:08

Tgt Ion:152 Resp: 316122
Ion Ratio Lower Upper
152 100
115 55.8 39.5 118.3
150 155.8 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 23.583 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014499.D

Acq: 09 Jan 2020 16:08

Instrument :

MSVOA_X

ClientSampled :

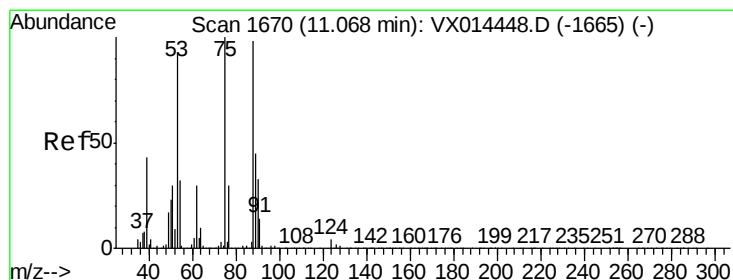
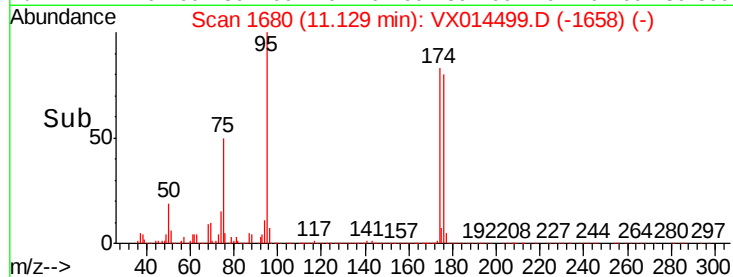
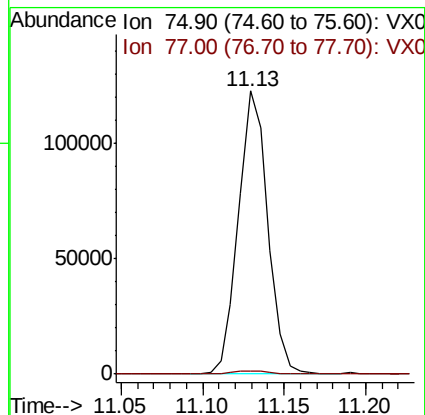
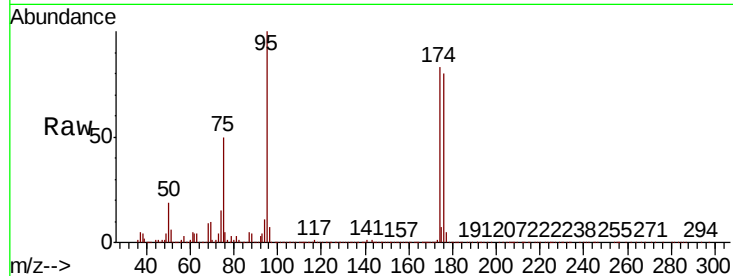
VX0109WBL02

Tot Ion: 75 Resp: 154250

Ion Ratio Lower Upper

75 100

77 1.3 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.350 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014499.D

Acq: 09 Jan 2020 16:08

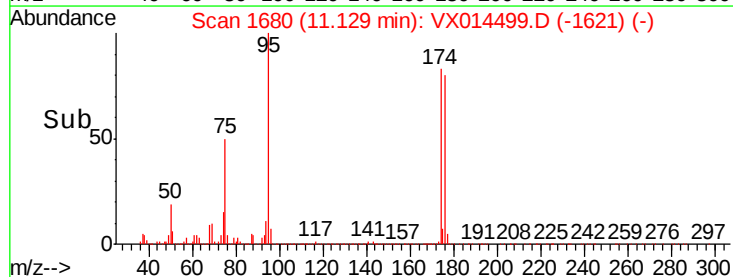
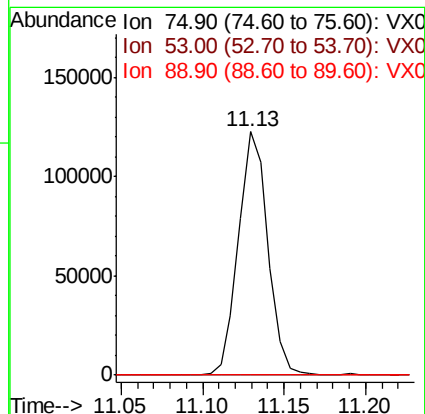
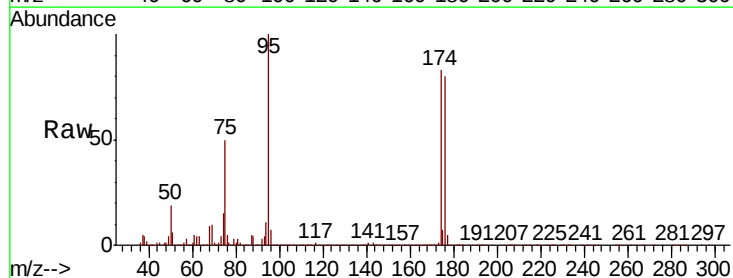
Tgt Ion: 75 Resp: 154250

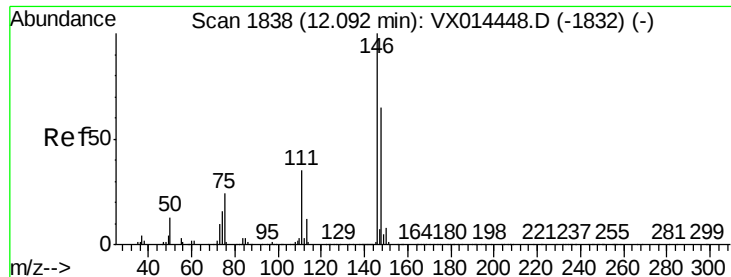
Ion Ratio Lower Upper

75 100

53 0.1 74.8 112.2#

89 0.1 36.3 54.5#

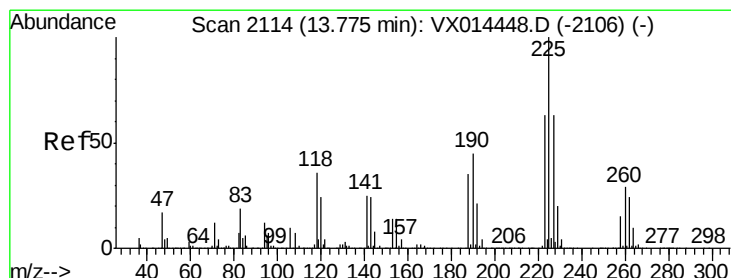
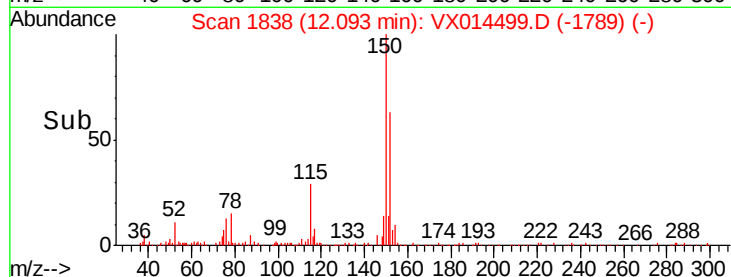
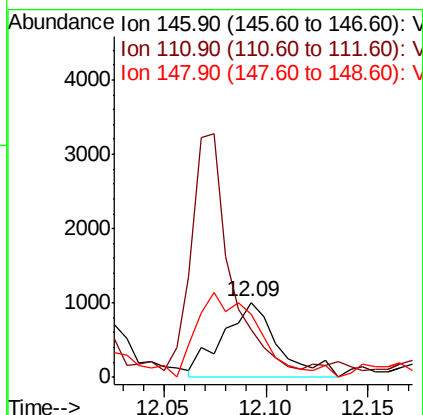
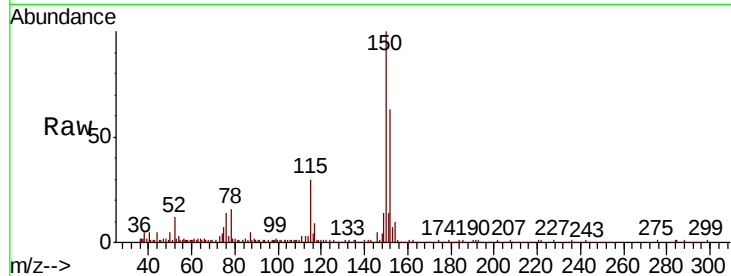




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014499.D
 Acq: 09 Jan 2020 16:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0109WBL02

Tot Ion:146 Resp: 1887
 Ion Ratio Lower Upper
 146 100
 111 239.9 18.1 54.1#
 148 126.6 32.1 96.3#



#94
 Hexachlorobutadiene
 Concen: 0.255 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014499.D
 Acq: 09 Jan 2020 16:08

Tgt Ion:225 Resp: 689
 Ion Ratio Lower Upper
 225 100
 223 65.2 31.1 93.2
 227 76.2 31.4 94.2

