

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041020\
 Data File : VX015638.D
 Acq On : 10 Apr 2020 21:36
 Operator : JC/SP
 Sample : L2196-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 11 00:37:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1079910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1660556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1591612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	889542	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	671362	44.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.16%	
35) Dibromofluoromethane	5.47	113	500364	47.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.28%	
50) Toluene-d8	8.70	98	1962623	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.12	95	852497	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.36%	

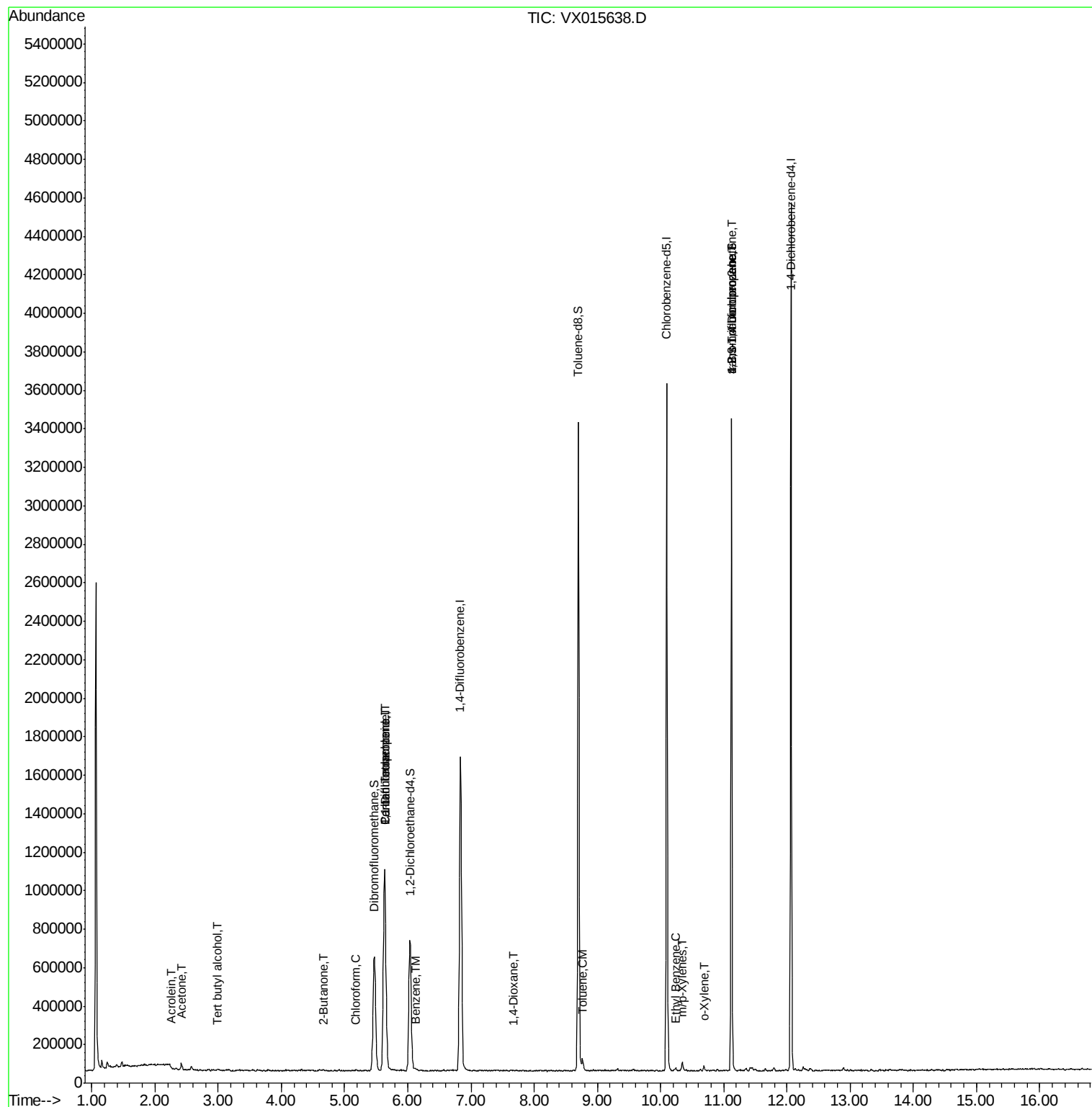
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1033	Below Cal	#	70
11) Tert butyl alcohol	3.00	59	1235	0.339	ug/l #	40
13) Acrolein	2.27	56	1415	0.681	ug/l #	32
16) Acetone	2.42	43	40452	6.182	ug/l	98
25) 2-Butanone	4.66	43	3907	0.371	ug/l #	85
30) Chloroform	5.19	83	4590	0.215	ug/l	92
36) 1,1-Dichloropropene	5.63	75	75443	4.931	ug/l #	54
38) Carbon Tetrachloride	5.63	117	96992	5.853	ug/l #	15
40) Benzene	6.12	78	12641	0.282	ug/l #	83
49) 1,4-Dioxane	7.68	88	1192	3.804	ug/l #	58
52) Toluene	8.77	92	21464	0.777	ug/l	94
67) Ethyl Benzene	10.24	91	11429	0.203	ug/l #	86
68) m/p-Xylenes	10.34	106	11753	0.561	ug/l	95
69) o-Xylene	10.69	106	6818	0.329	ug/l	73
76) 1,2,3-Trichloropropane	11.12	75	440822	24.098	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	440822	57.823	ug/l #	10

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

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QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

Instrument :

MSVOA_X

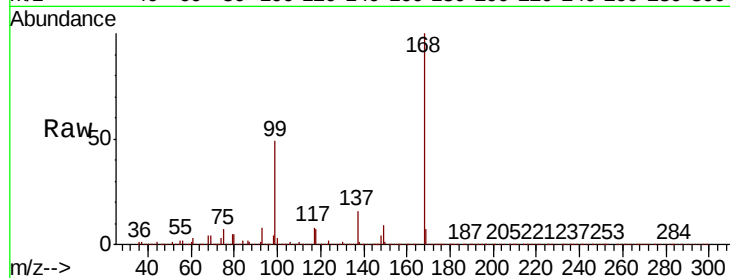
ClientSampled :

Tot Ion:168 Resp: 1079910

Ion Ratio Lower Upper

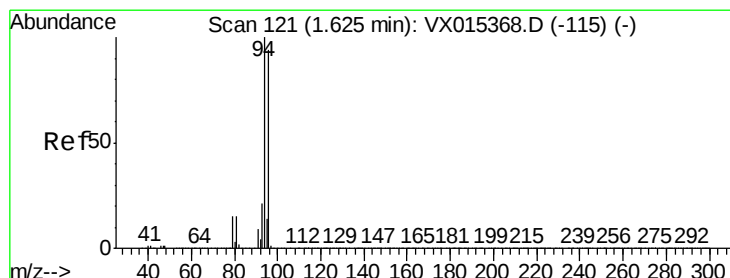
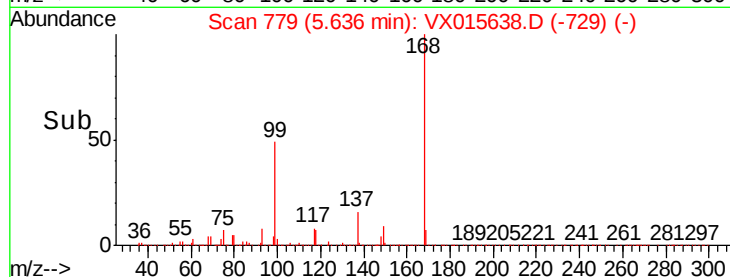
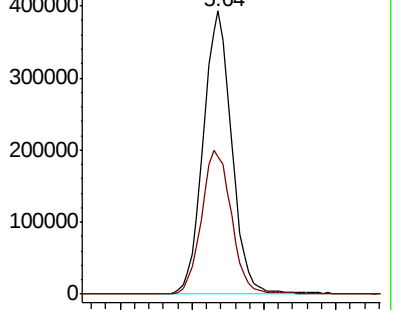
168 100

99 48.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. 0.03 min

Lab File: VX015638.D

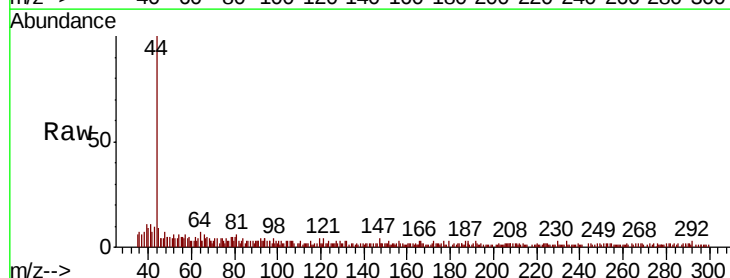
Acq: 10 Apr 2020 21:36

Tgt Ion: 94 Resp: 1033

Ion Ratio Lower Upper

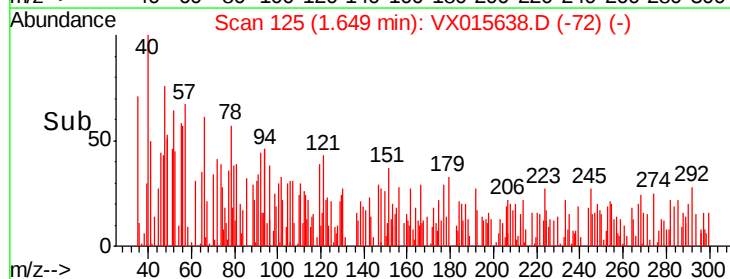
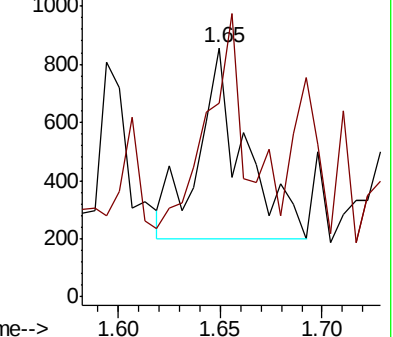
94 100

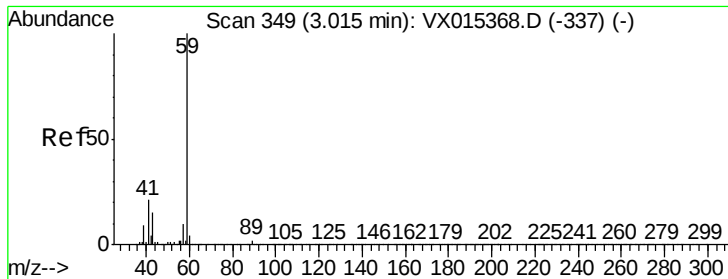
96 65.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

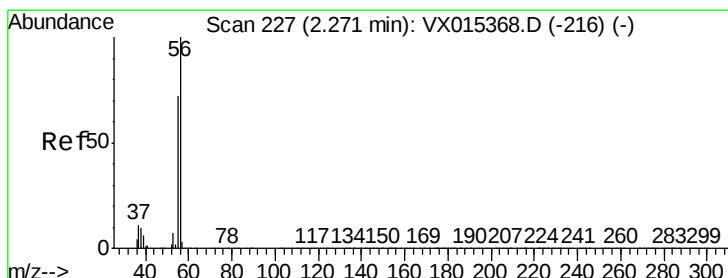
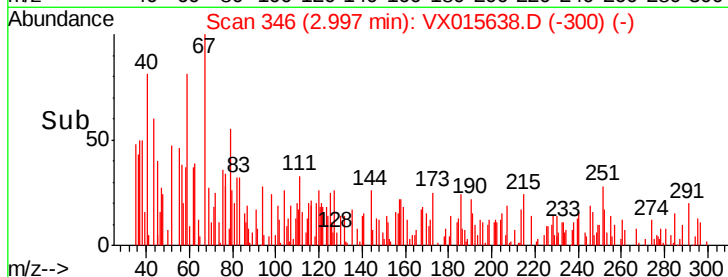
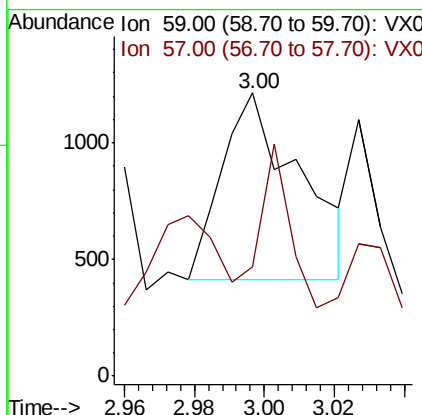
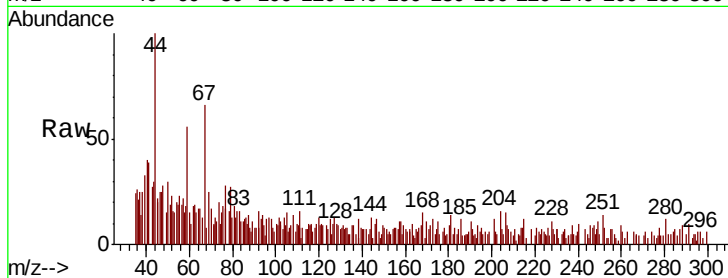




#11
Tert butvl alcohol
Concen: 0.339 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

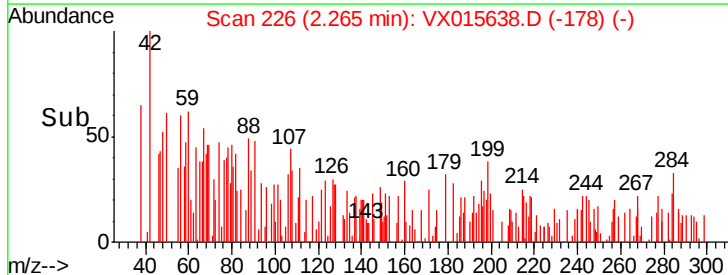
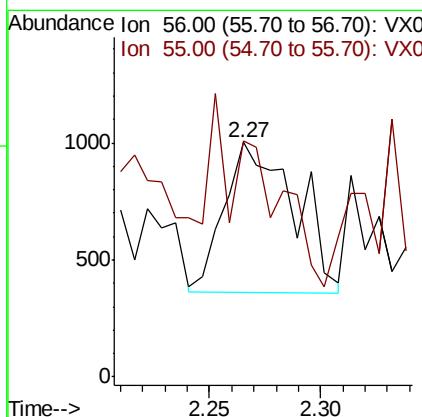
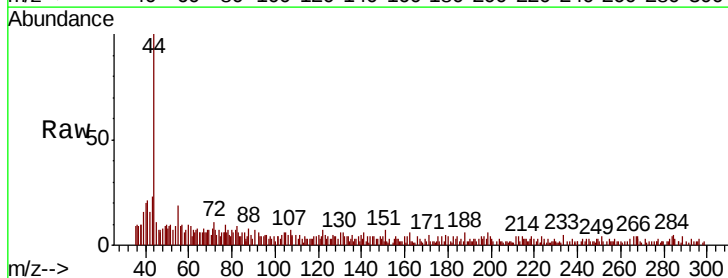
Instrument :
MSVOA_X
ClientSampled :

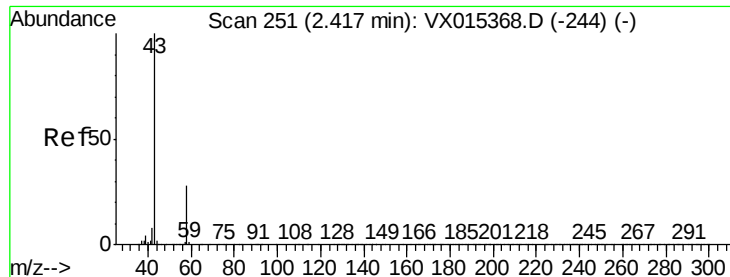
Tot Ion: 59 Resp: 1235
Ion Ratio Lower Upper
59 100
57 32.2 8.1 12.1#



#13
Acrolein
Concen: 0.681 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

Tgt Ion: 56 Resp: 1415
Ion Ratio Lower Upper
56 100
55 14.5 57.0 85.4#

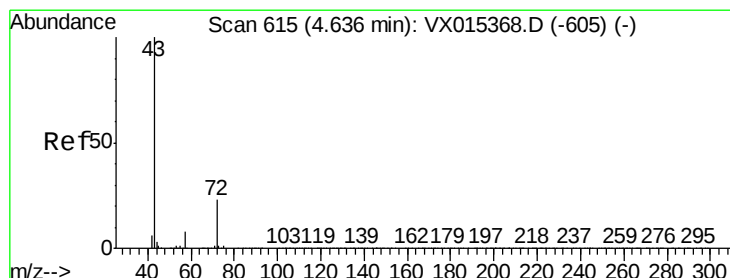
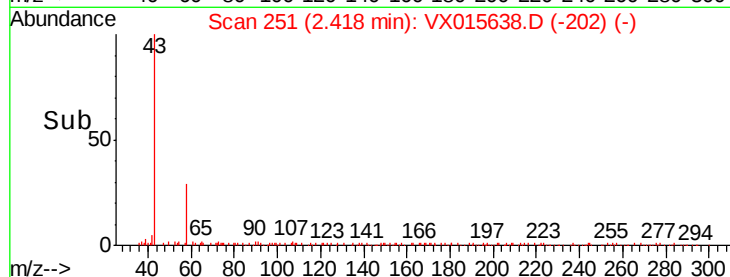
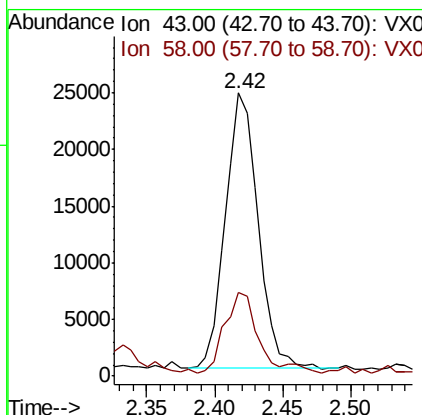
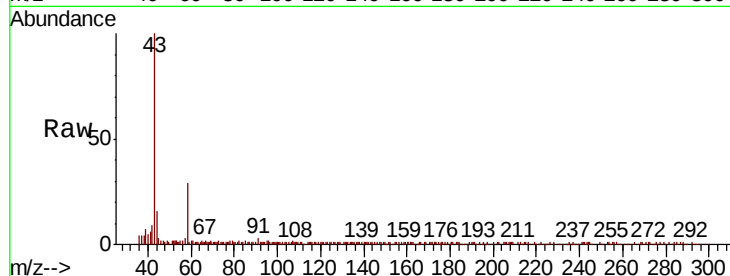




#16
Acetone
Concen: 6.182 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

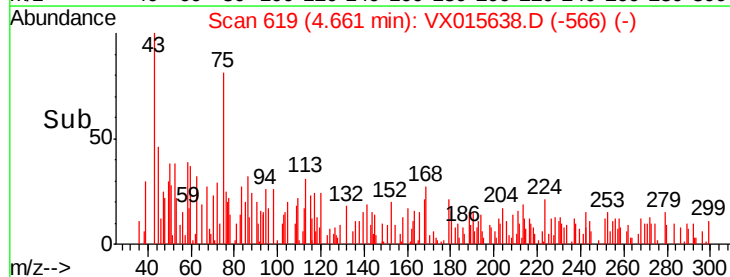
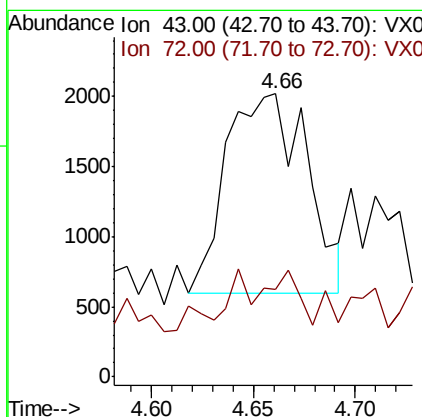
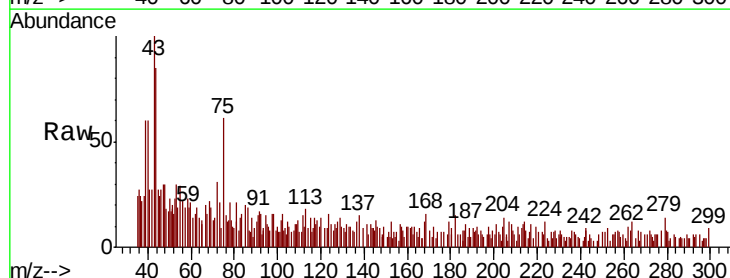
Instrument :
MSVOA_X
ClientSampled :

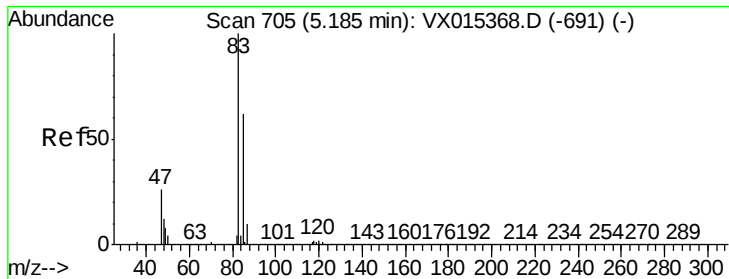
Tot Ion: 43 Resp: 40452
Ion Ratio Lower Upper
43 100
58 28.5 22.1 33.1



#25
2-Butanone
Concen: 0.371 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.02 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

Tgt Ion: 43 Resp: 3907
Ion Ratio Lower Upper
43 100
72 16.6 19.0 28.4#

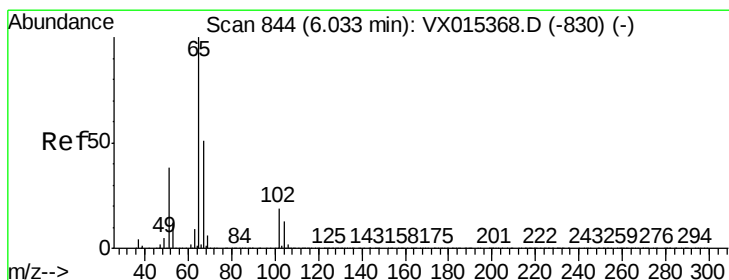
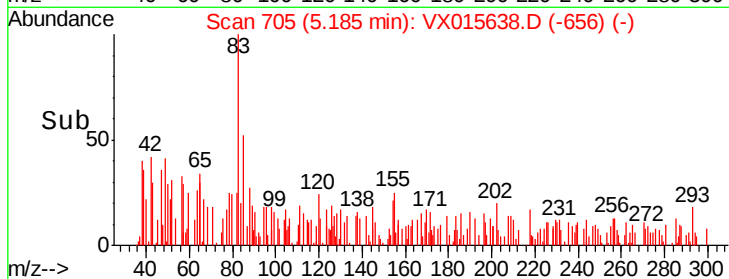
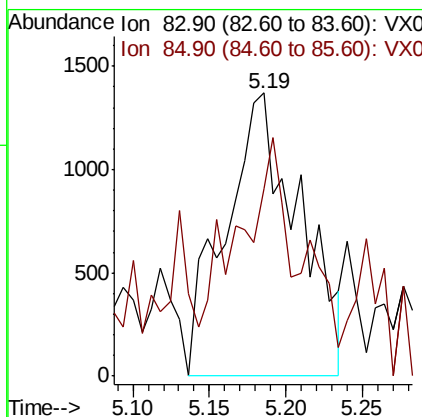
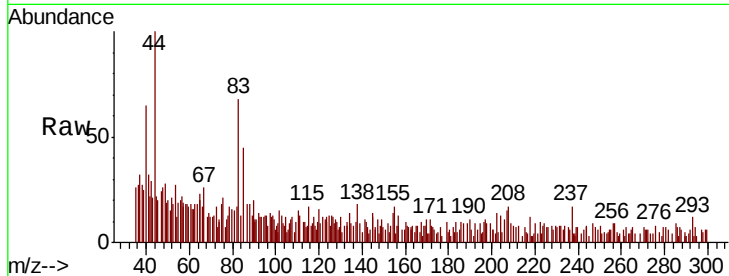




#30
Chloroform
Concen: 0.215 ug/l
RT: 5.19 min Scan# 705
Delta R.T. 0.00 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

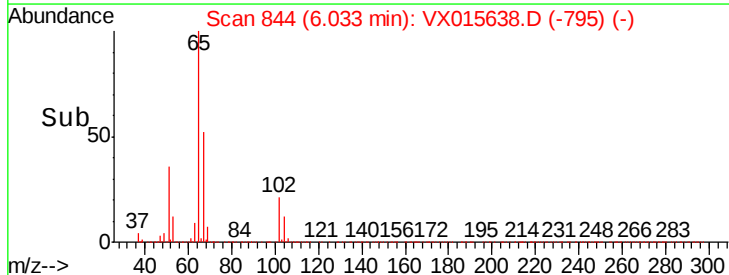
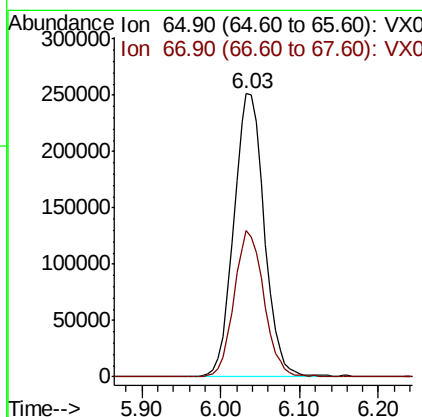
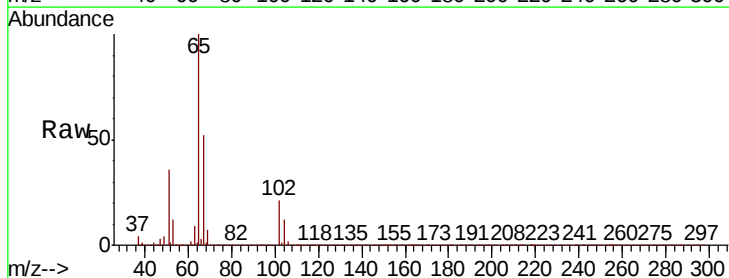
Instrument :
MSVOA_X
ClientSampleId :

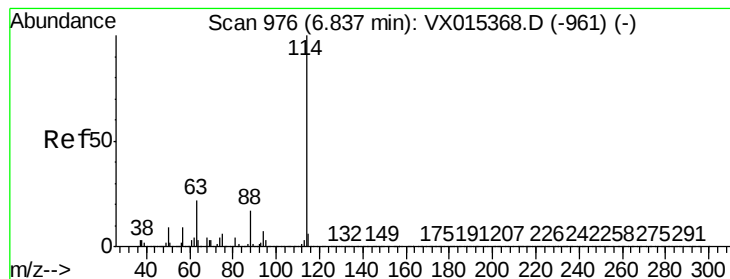
Tot Ion: 83 Resp: 4590
Ion Ratio Lower Upper
83 100
85 56.1 49.5 74.3



#33
1,2-Dichloroethane-d4
Concen: 44.079 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

Tgt Ion: 65 Resp: 671362
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

Instrument :

MSVOA_X

ClientSampleId :

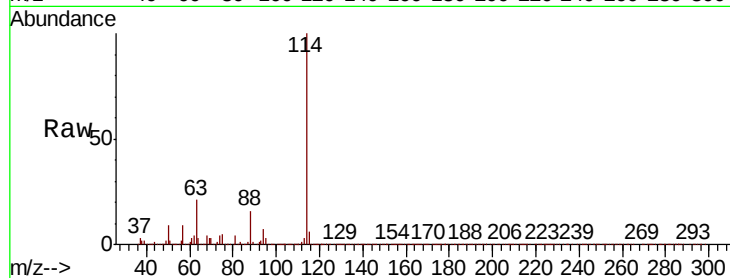
Tot Ion:114 Resp: 1660556

Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.2

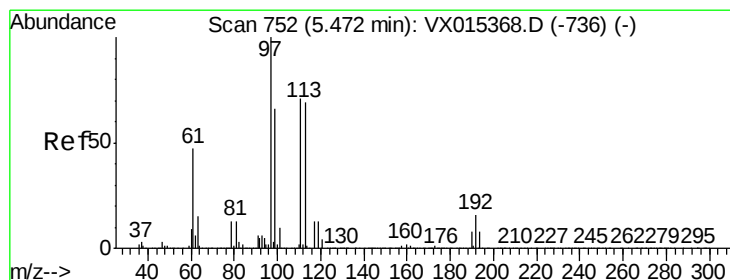
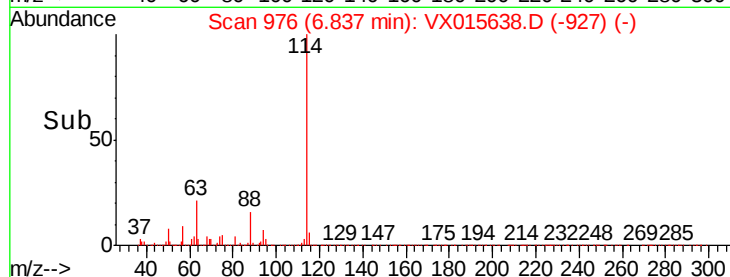
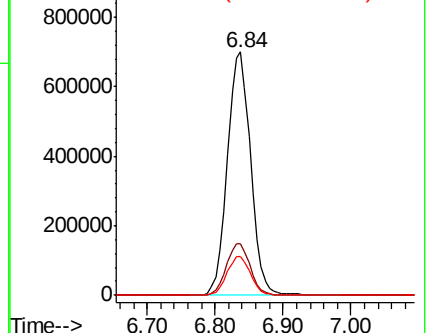
88 15.8 0.0 33.8



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: 47.139 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

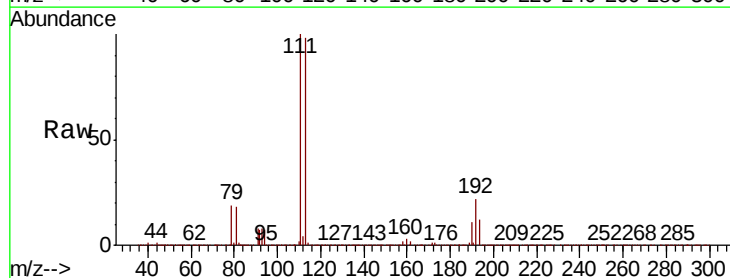
Tgt Ion:113 Resp: 500364

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

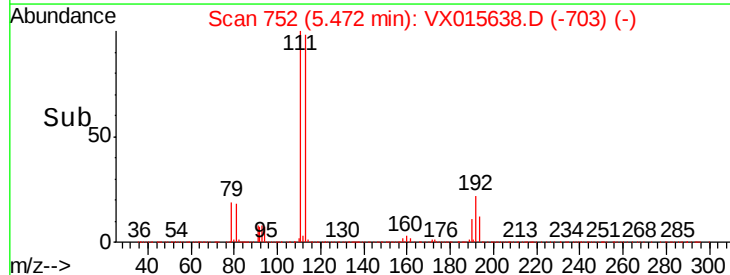
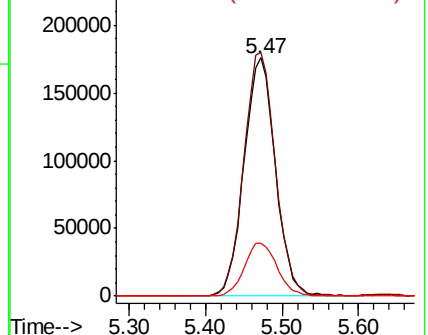
192 22.9 17.8 26.6

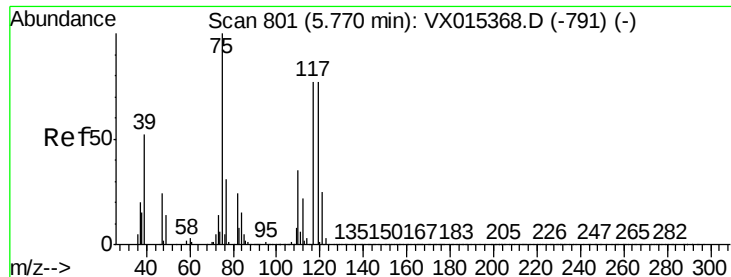


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.931 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

Instrument :
MSVOA_X
ClientSampleId :

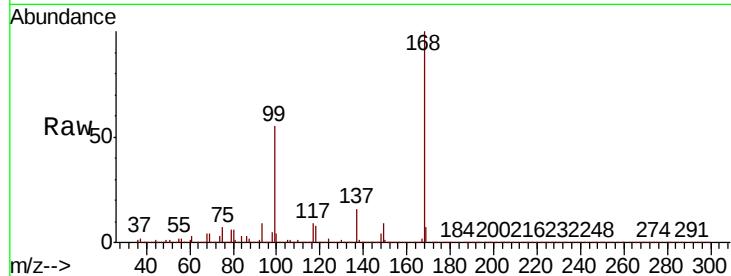
Tot Ion: 75 Resp: 75443

Ion Ratio Lower Upper

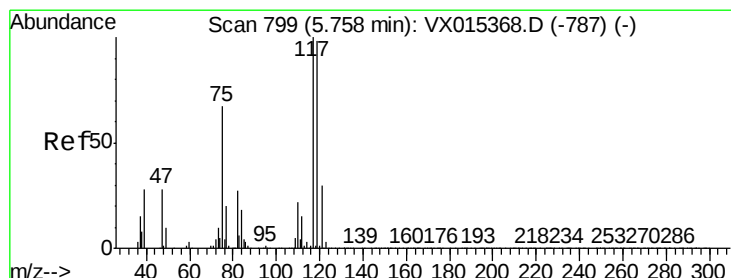
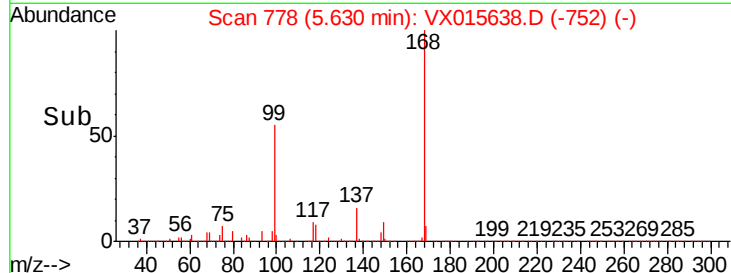
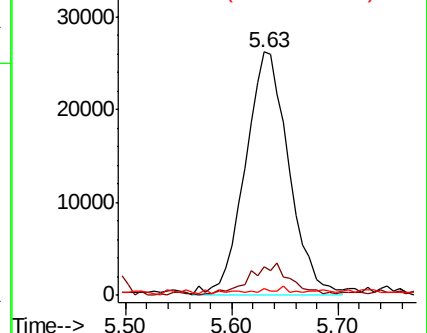
75 100

110 12.7 17.1 51.3#

77 0.4 24.6 36.8#



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: 5.853 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

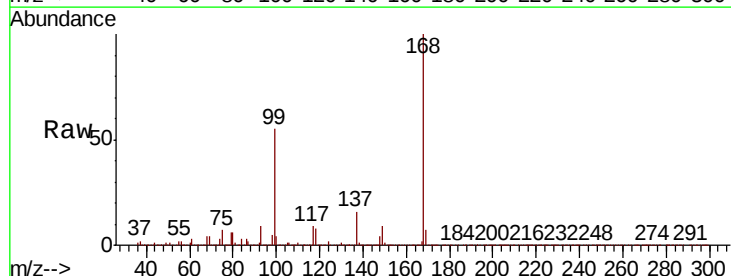
Tgt Ion:117 Resp: 96992

Ion Ratio Lower Upper

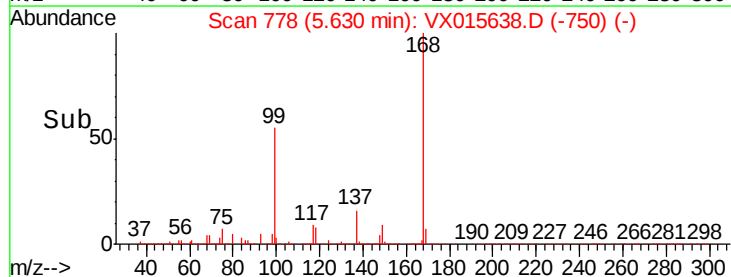
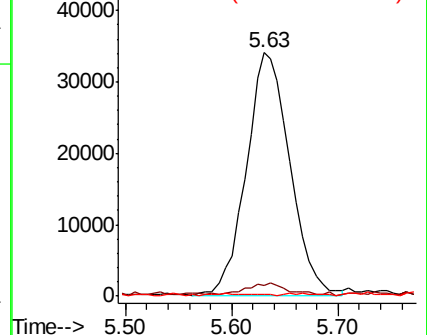
117 100

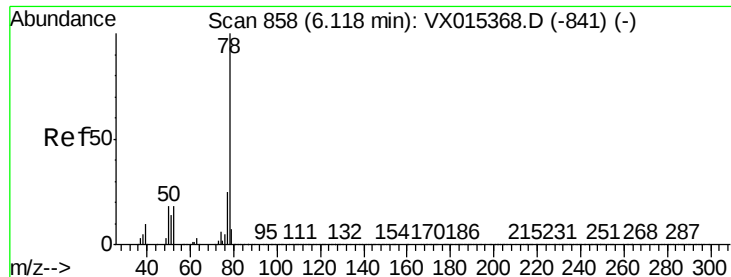
119 3.9 78.0 117.0#

121 1.2 23.8 35.8#



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





#40

Benzene

Concen: 0.282 ug/l

RT: 6.12 min Scan# 859

Delta R.T. 0.01 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

Instrument :

MSVOA_X

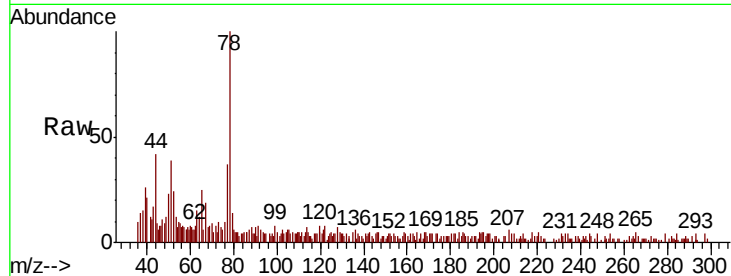
ClientSampled :

Tot Ion: 78 Resp: 12641

Ion Ratio Lower Upper

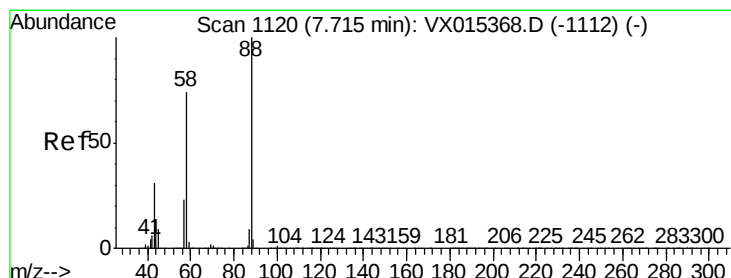
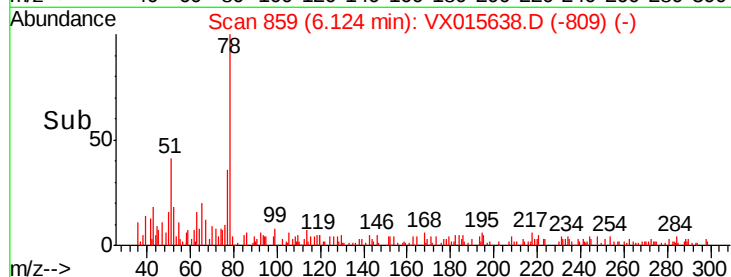
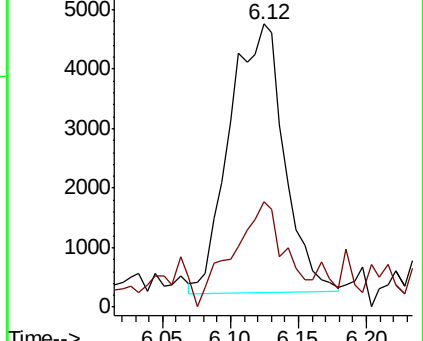
78 100

77 33.5 19.8 29.8#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 3.804 ug/l

RT: 7.68 min Scan# 1114

Delta R.T. -0.04 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

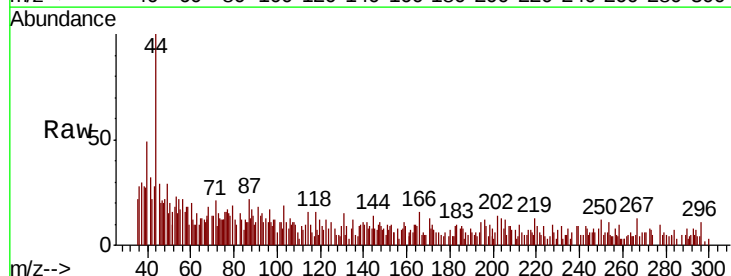
Tgt Ion: 88 Resp: 1192

Ion Ratio Lower Upper

88 100

43 72.7 30.1 45.1#

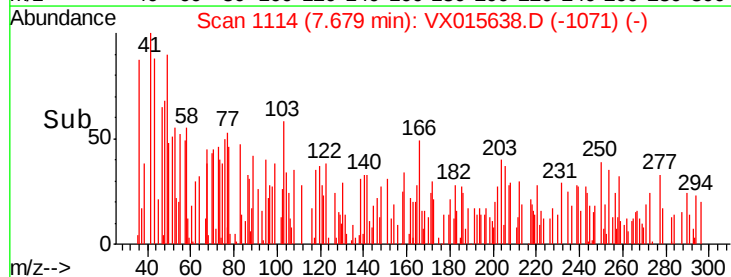
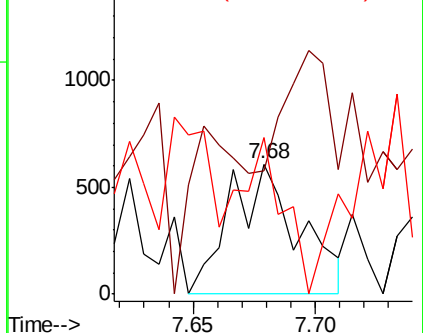
58 46.6 60.6 90.8#

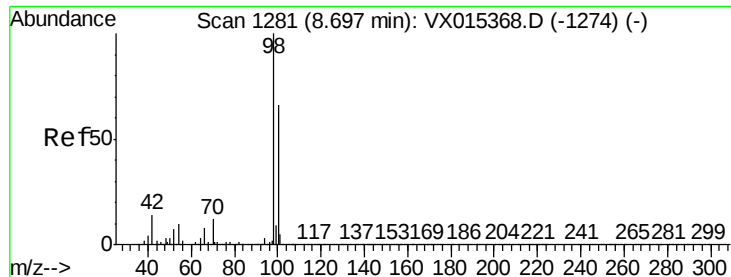


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

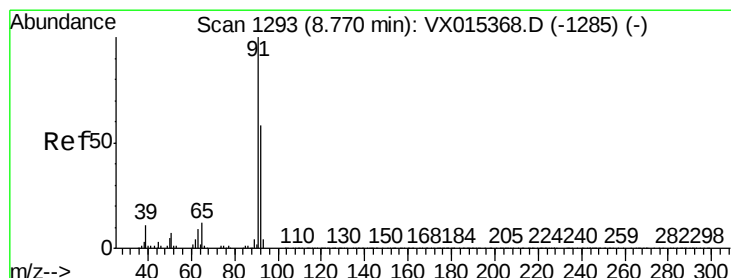
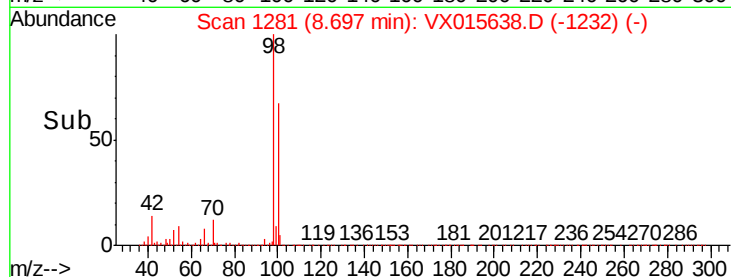
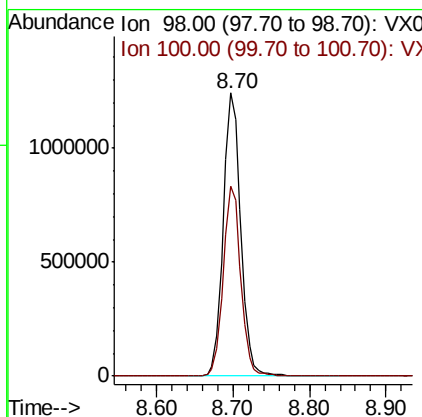
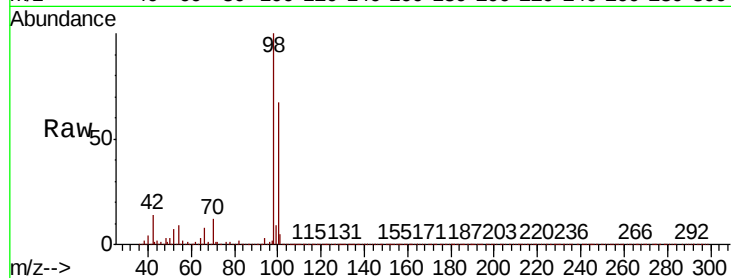




#50
Toluene-d8
Concen: 50.220 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

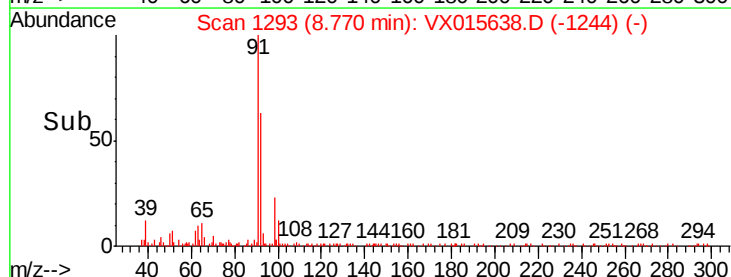
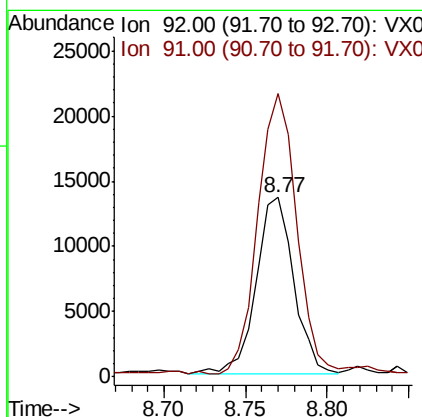
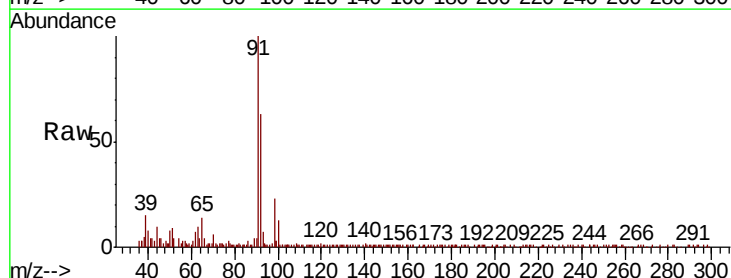
Instrument :
MSVOA_X
ClientSampleId :

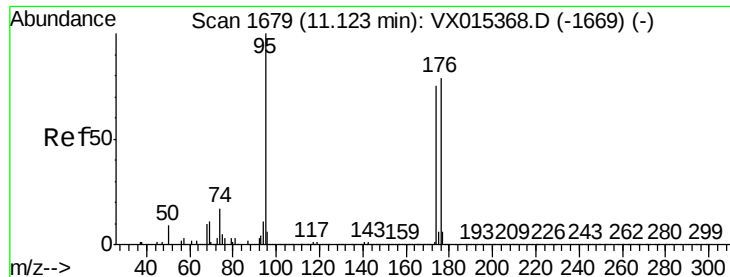
Tot Ion: 98 Resp: 1962623
Ion Ratio Lower Upper
98 100
100 67.1 53.5 80.3



#52
Toluene
Concen: 0.777 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

Tgt Ion: 92 Resp: 21464
Ion Ratio Lower Upper
92 100
91 162.9 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 53.675 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

Instrument :

MSVOA_X

ClientSampleId :

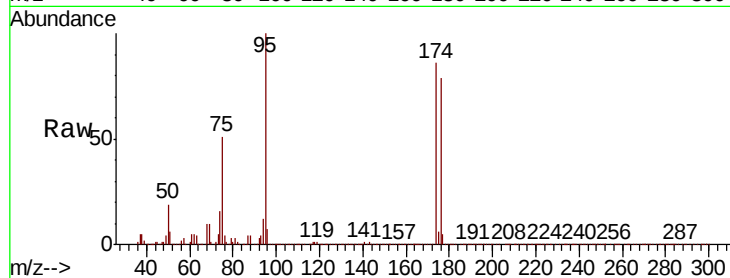
Tot Ion: 95 Resp: 852497

Ion Ratio Lower Upper

95 100

174 83.0 0.0 158.6

176 82.3 0.0 159.0

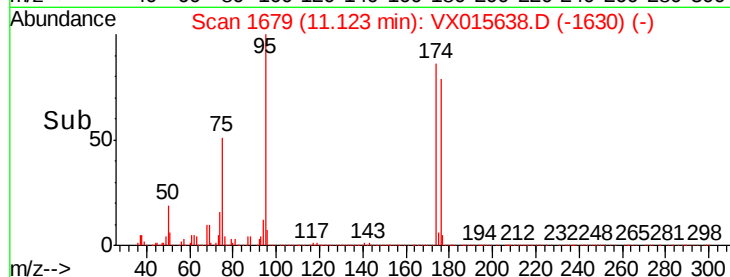


Abundance Ion 94.90 (94.60 to 95.60): VX015638.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015638.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015638.D (-1669) (-)

Time-->

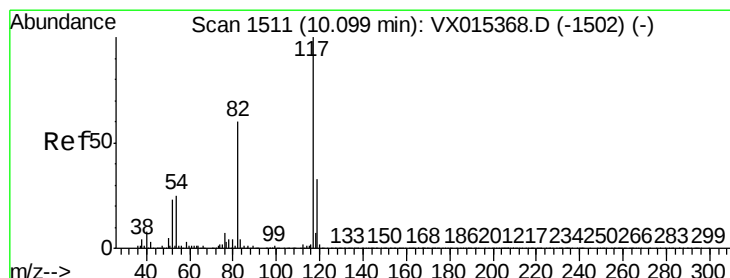


Abundance Ion 94.90 (94.60 to 95.60): VX015638.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015638.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015638.D (-1669) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

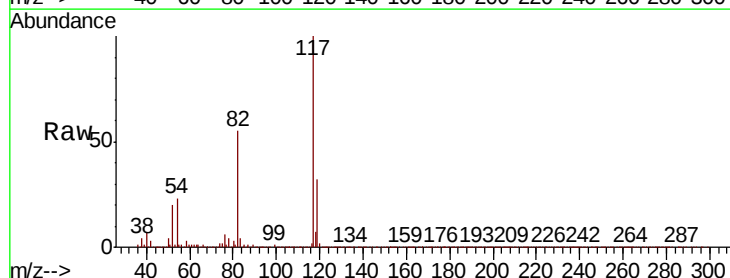
Tgt Ion: 117 Resp: 1591612

Ion Ratio Lower Upper

117 100

82 55.1 47.8 71.8

119 31.6 26.8 40.2

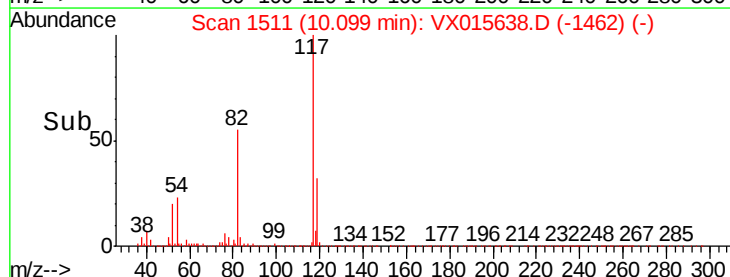


Abundance Ion 116.90 (116.60 to 117.60): VX015638.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015638.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015638.D (-1462) (-)

Time-->

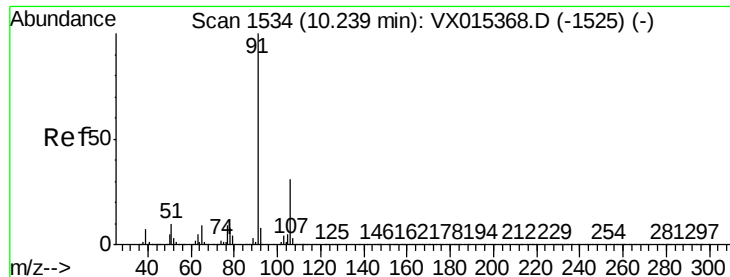


Abundance Ion 116.90 (116.60 to 117.60): VX015638.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015638.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015638.D (-1462) (-)

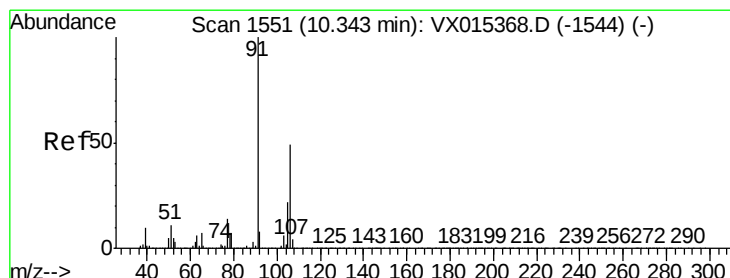
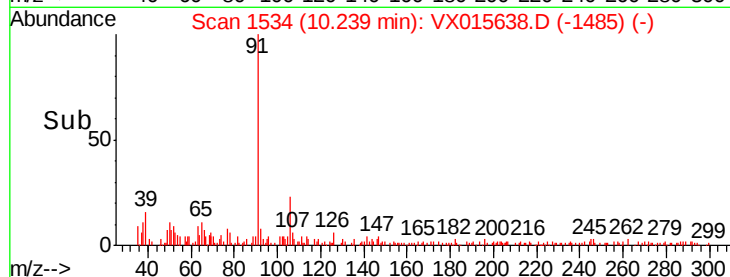
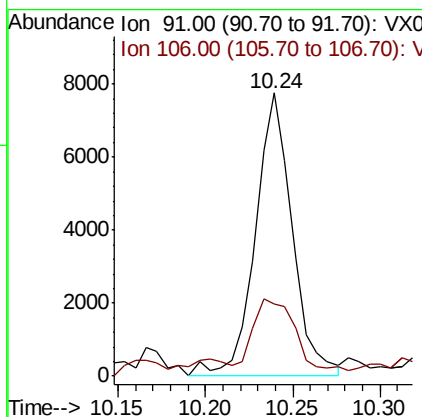
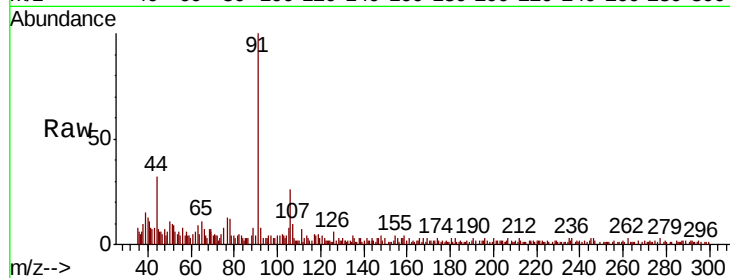
Time-->



#67
Ethyl Benzene
Concen: 0.203 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

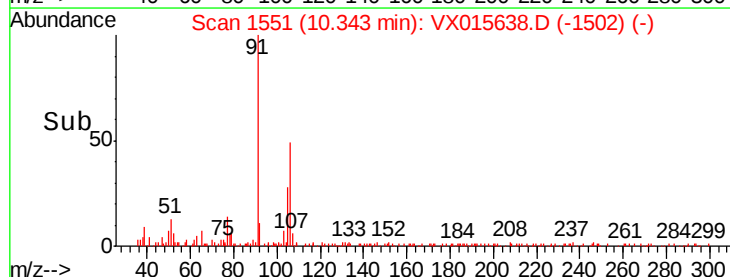
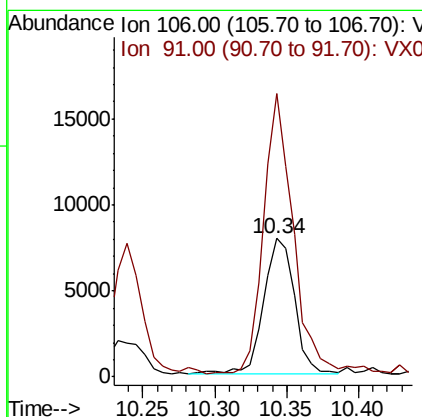
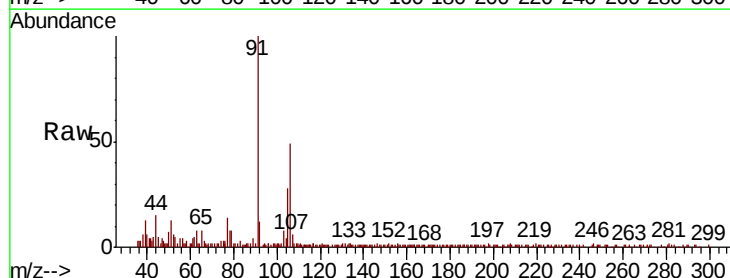
Instrument :
MSVOA_X
ClientSampleId :

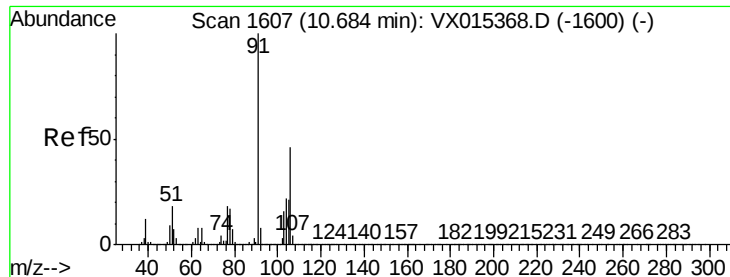
Tot Ion: 91 Resp: 11429
Ion Ratio Lower Upper
91 100
106 23.3 24.8 37.2#



#68
m/p-Xylenes
Concen: 0.561 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

Tgt Ion: 106 Resp: 11753
Ion Ratio Lower Upper
106 100
91 196.6 163.4 245.0

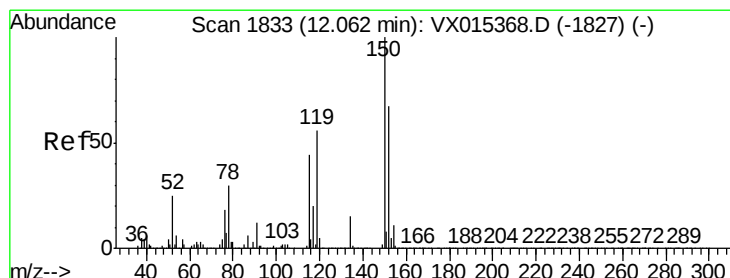
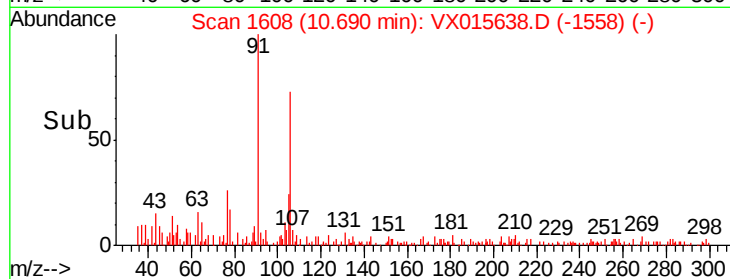
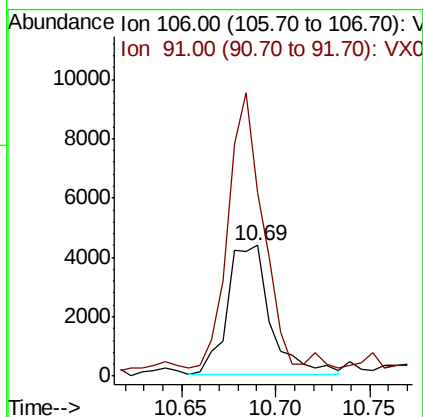
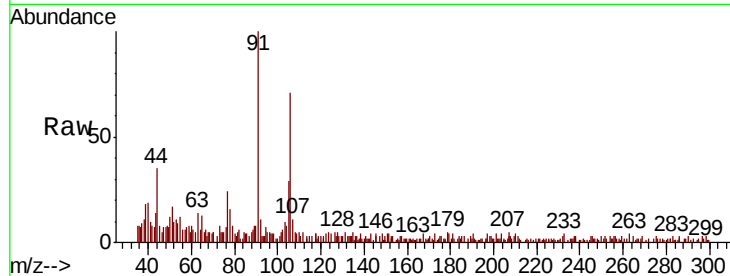




#69
o-Xylene
Concen: 0.329 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

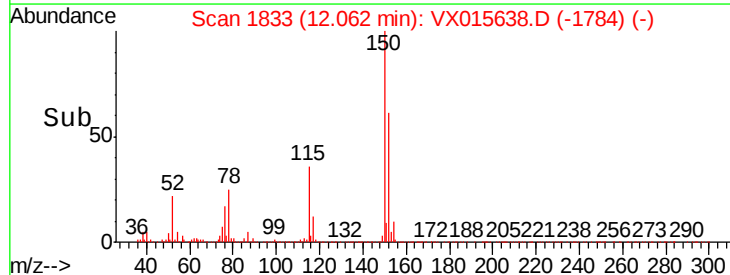
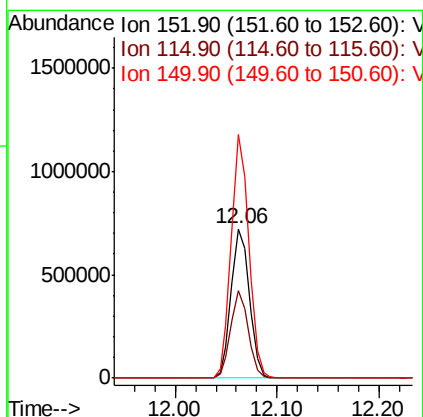
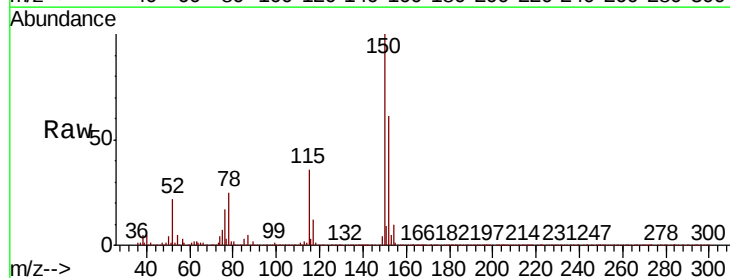
Instrument :
MSVOA_X
ClientSampled :

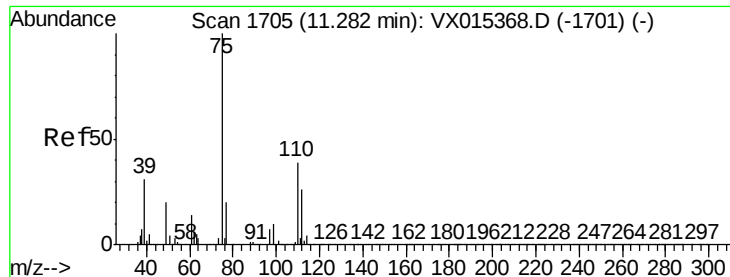
Tot Ion:106 Resp: 6818
Ion Ratio Lower Upper
106 100
91 172.0 107.1 321.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015638.D
Acq: 10 Apr 2020 21:36

Tgt Ion:152 Resp: 889542
Ion Ratio Lower Upper
152 100
115 56.2 39.0 116.9
150 157.4 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 24.098 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

Instrument :

MSVOA_X

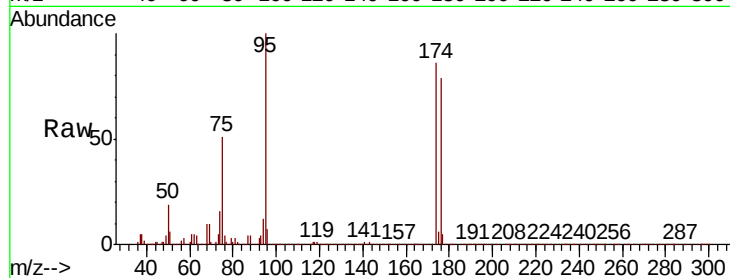
ClientSampleId :

Tot Ion: 75 Resp: 440822

Ion Ratio Lower Upper

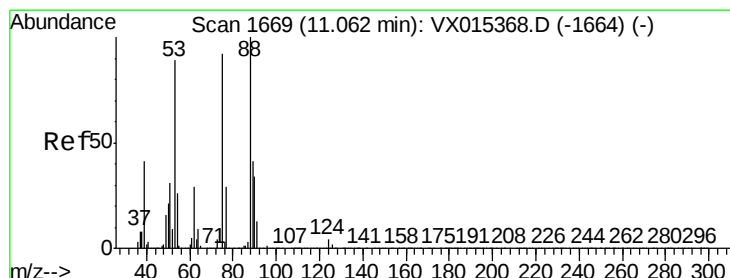
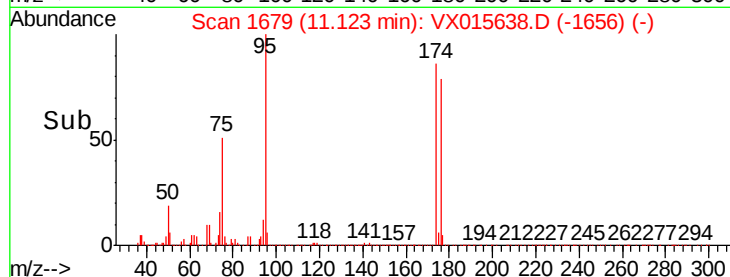
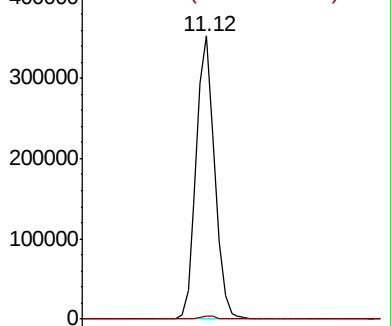
75 100

77 1.1 21.2 63.6#



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: 57.823 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015638.D

Acq: 10 Apr 2020 21:36

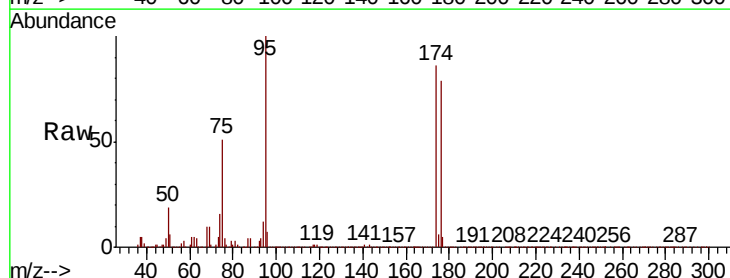
Tgt Ion: 75 Resp: 440822

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

