

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX033020\
 Data File : VX015424.D
 Acq On : 30 Mar 2020 13:31
 Operator : JC/SP
 Sample : VX0330WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 31 07:52:03 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	5.63	168	1208291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1931171	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1803141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	883474	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	788732	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
35) Dibromofluoromethane	5.47	113	614522	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	8.70	98	2320817	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.12	95	947268	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	

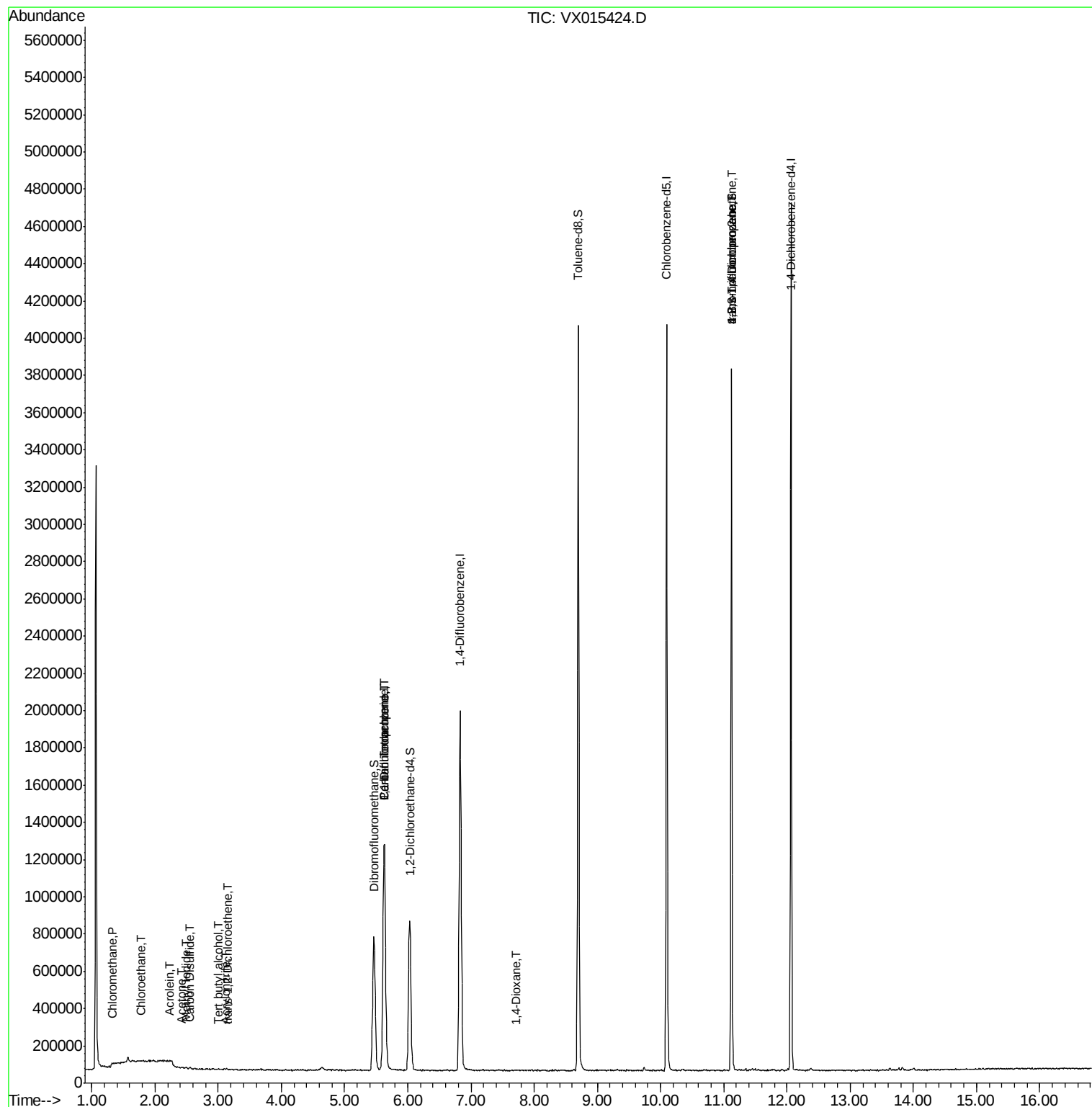
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2828	0.209	ug/l #	74
5) Bromomethane	1.64	94	2672	Below Cal	#	80
6) Chloroethane	1.77	64	2767	0.358	ug/l #	43
10) Methyl Iodide	2.49	142	8167	0.557	ug/l	93
11) Tert butyl alcohol	3.00	59	3665	0.899	ug/l #	37
13) Acrolein	2.22	56	1039	0.447	ug/l #	14
15) Acrylonitrile	3.12	53	5647	0.726	ug/l #	66
16) Acetone	2.42	43	2444	0.334	ug/l #	54
17) Carbon Disulfide	2.55	76	9909	0.285	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	3091	0.244	ug/l #	56
36) 1,1-Dichloropropene	5.63	75	93674	5.264	ug/l #	50
38) Carbon Tetrachloride	5.62	117	115757	6.006	ug/l #	15
49) 1,4-Dioxane	7.71	88	497	1.364	ug/l #	83
76) 1,2,3-Trichloropropane	11.12	75	494162	27.200	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	494162	65.264	ug/l #	10

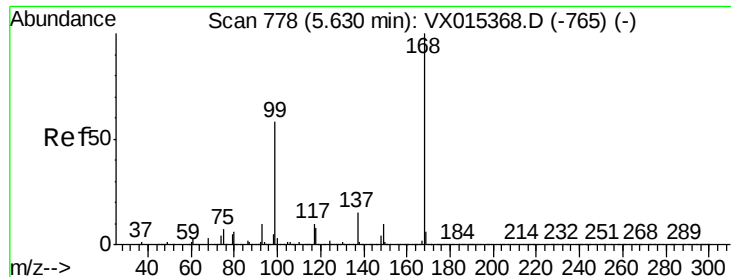
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

Instrument :

MSVOA_X

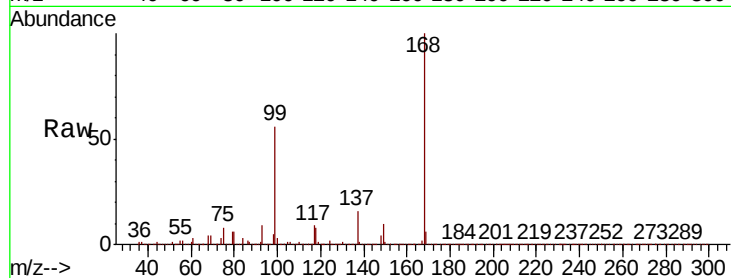
ClientSampleId :

Tot Ion:168 Resp: 1208291

Ion Ratio Lower Upper

168 100

99 56.4 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

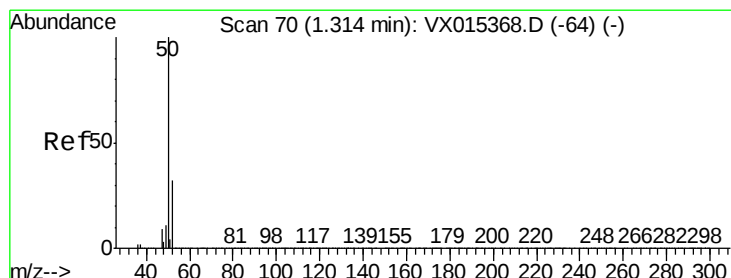
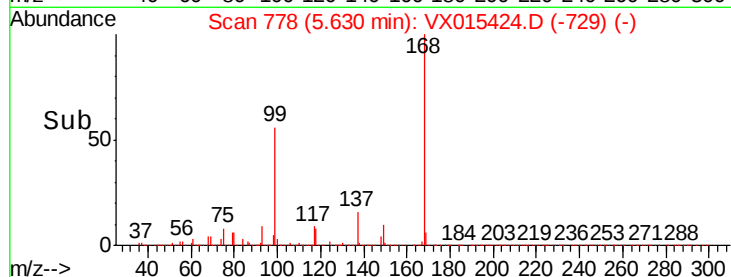
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015424.D

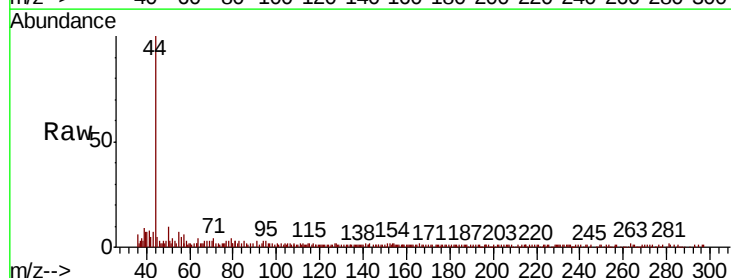
Acq: 30 Mar 2020 13:31

Tgt Ion: 50 Resp: 2828

Ion Ratio Lower Upper

50 100

52 17.4 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

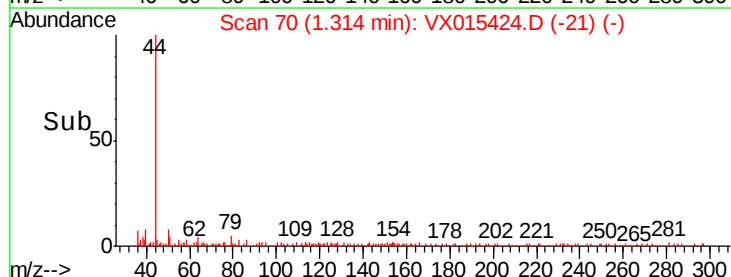
1500

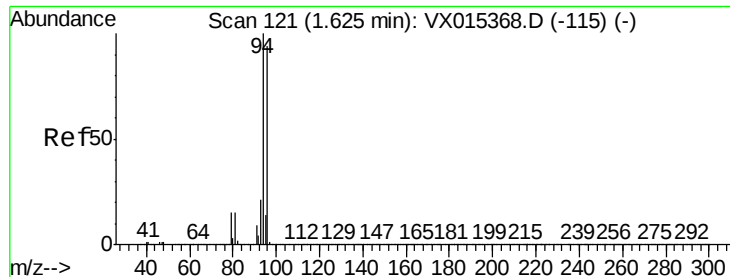
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

Instrument :

MSVOA_X

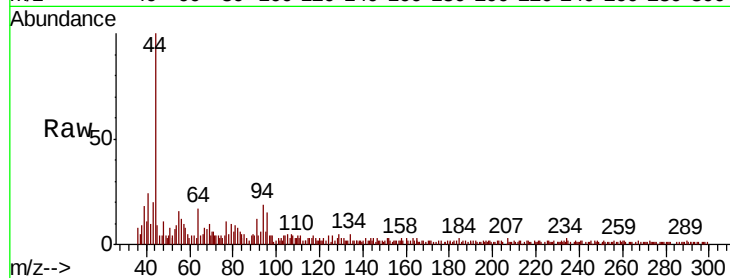
ClientSampleId :

Tot Ion: 94 Resp: 2672

Ion Ratio Lower Upper

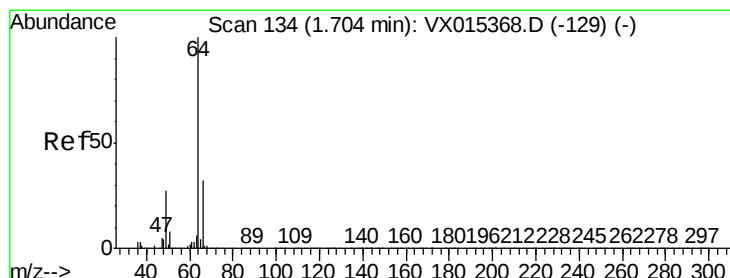
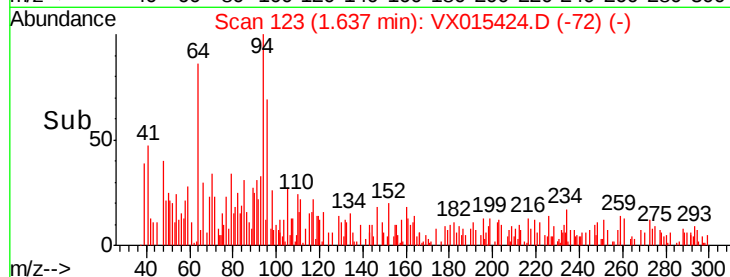
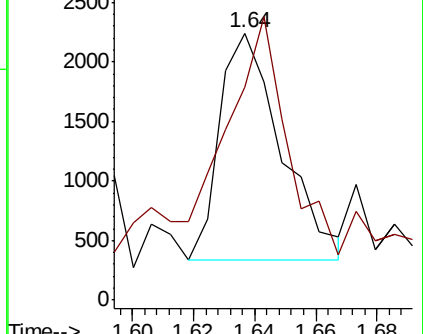
94 100

96 73.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.358 ug/l

RT: 1.77 min Scan# 145

Delta R.T. 0.07 min

Lab File: VX015424.D

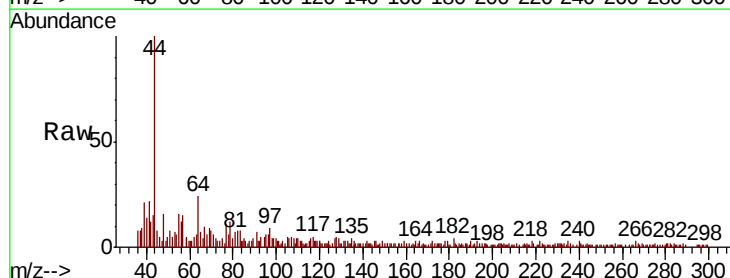
Acq: 30 Mar 2020 13:31

Tgt Ion: 64 Resp: 2767

Ion Ratio Lower Upper

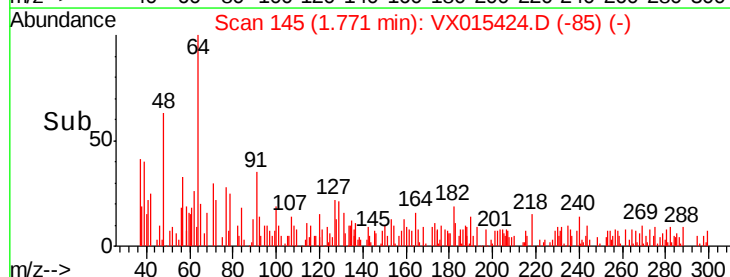
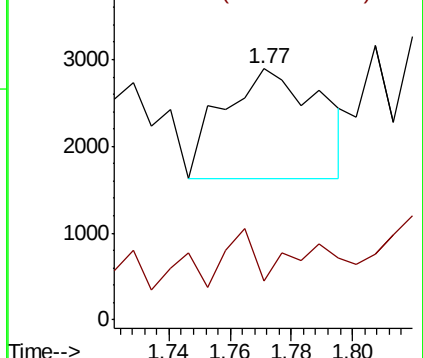
64 100

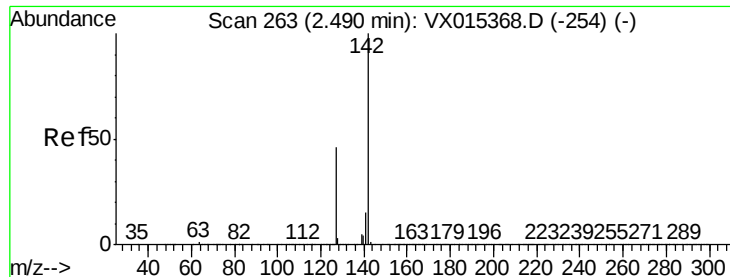
66 0.0 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 0.557 ug/l

RT: 2.49 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

Instrument :

MSVOA_X

ClientSampled :

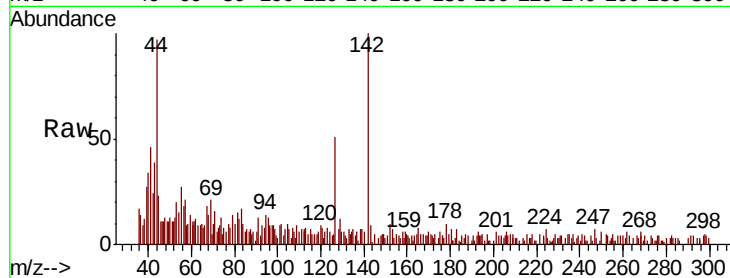
Tot Ion:142 Resp: 8167

Ion Ratio Lower Upper

142 100

127 39.2 35.9 53.9

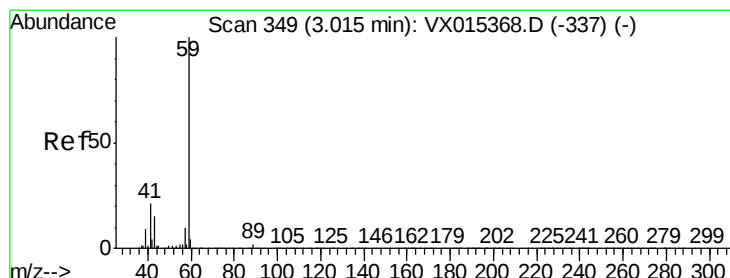
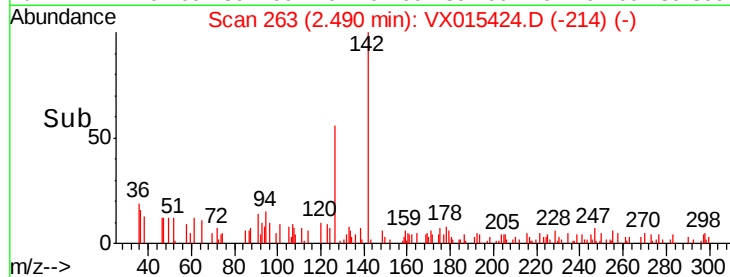
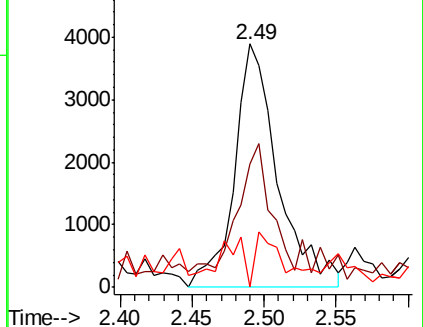
141 13.6 11.6 17.4



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: 0.899 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015424.D

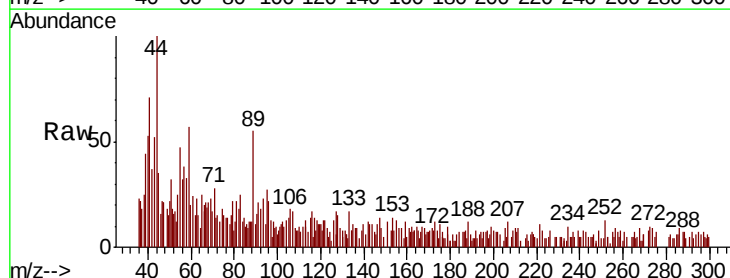
Acq: 30 Mar 2020 13:31

Tgt Ion: 59 Resp: 3665

Ion Ratio Lower Upper

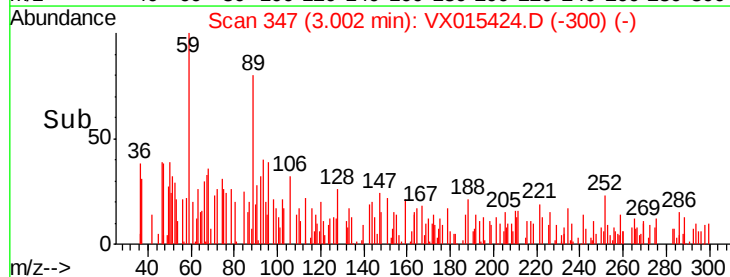
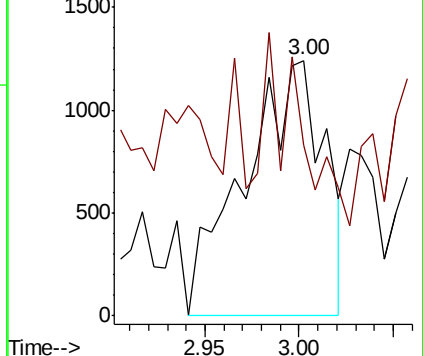
59 100

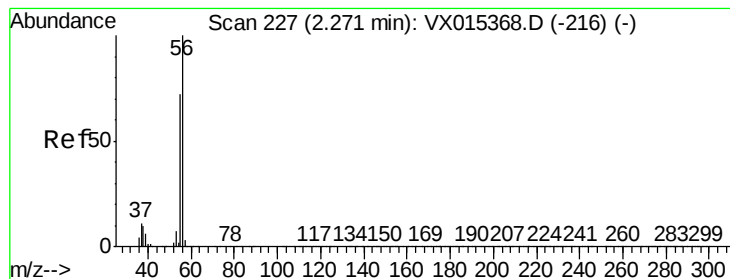
57 33.7 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.447 ug/l

RT: 2.22 min Scan# 219

Delta R.T. -0.05 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

Instrument :

MSVOA_X

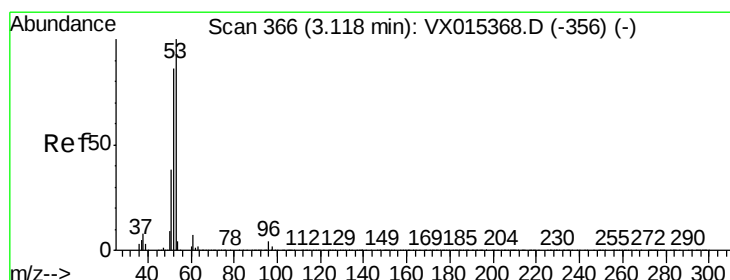
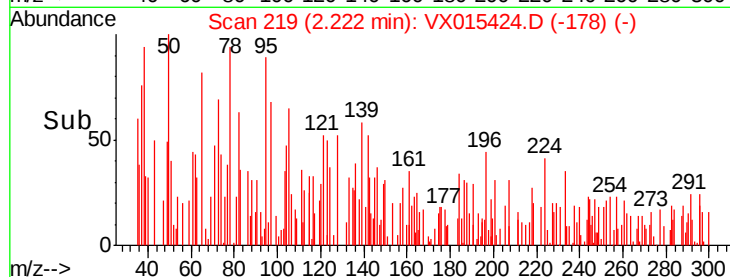
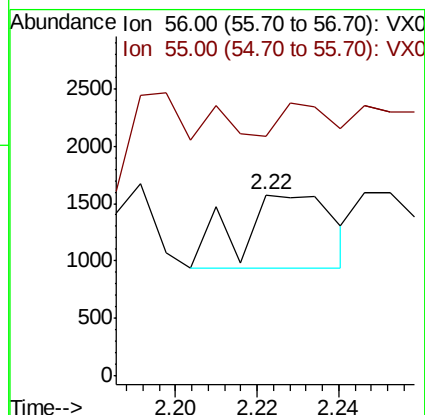
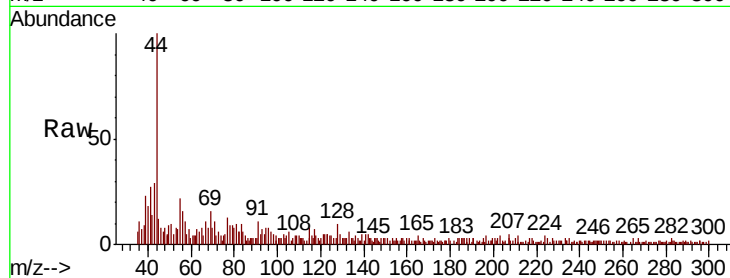
ClientSampled :

Tot Ion: 56 Resp: 1039

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: 0.726 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.00 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

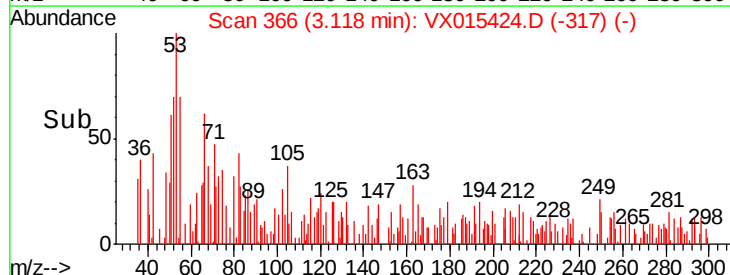
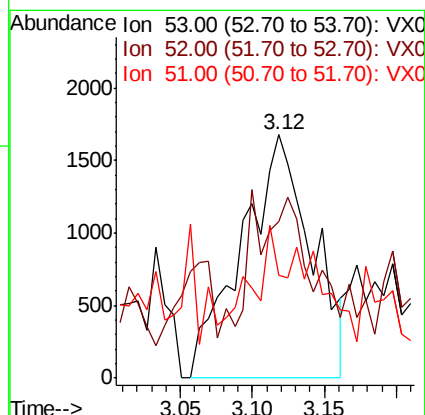
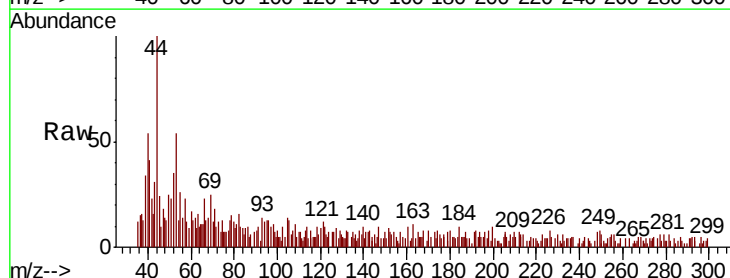
Tgt Ion: 53 Resp: 5647

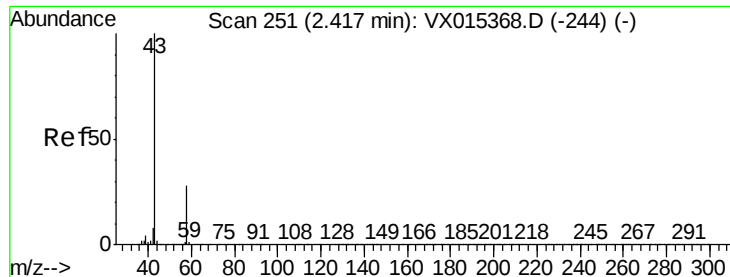
Ion Ratio Lower Upper

53 100

52 55.6 66.8 100.2#

51 12.1 29.5 44.3#

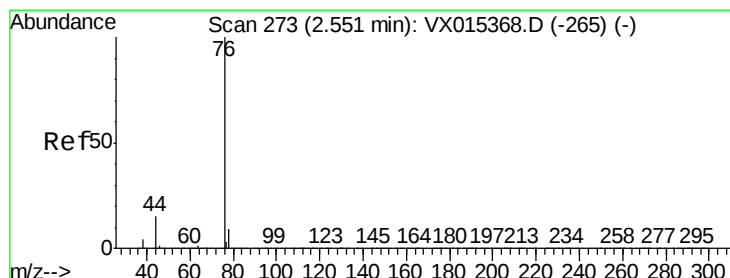
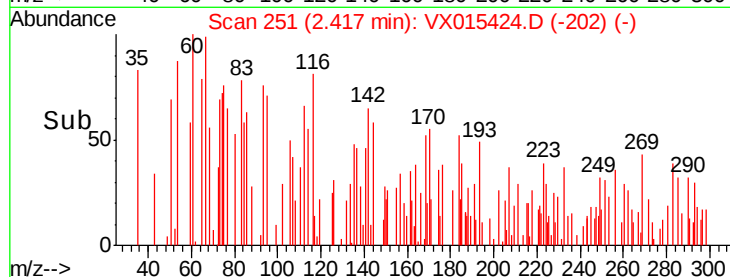
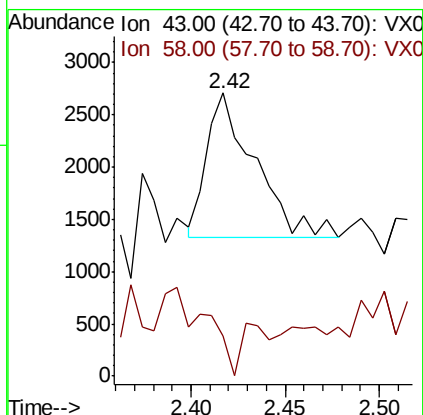
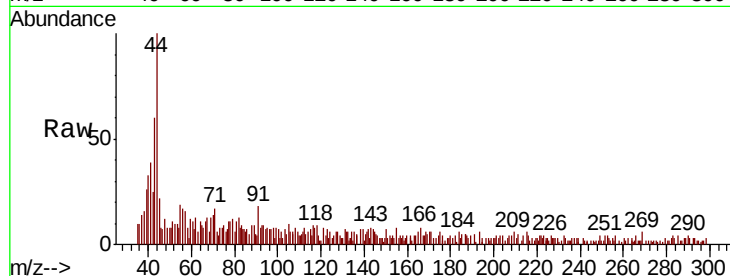




#16
Acetone
Concen: 0.334 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015424.D
Acq: 30 Mar 2020 13:31

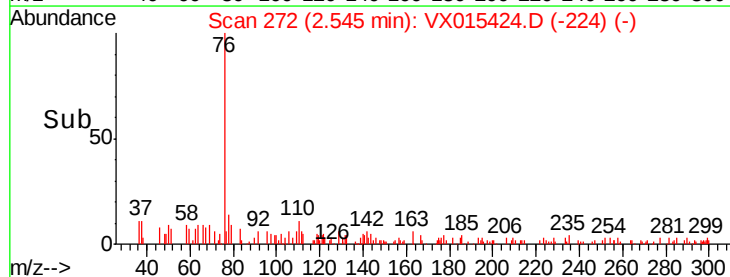
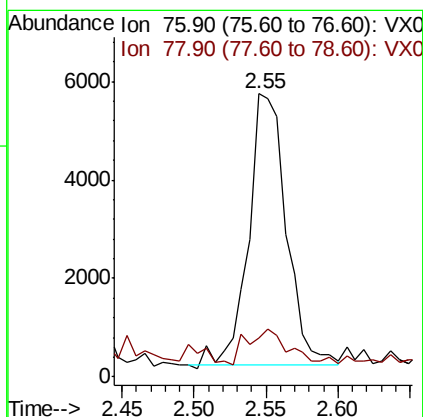
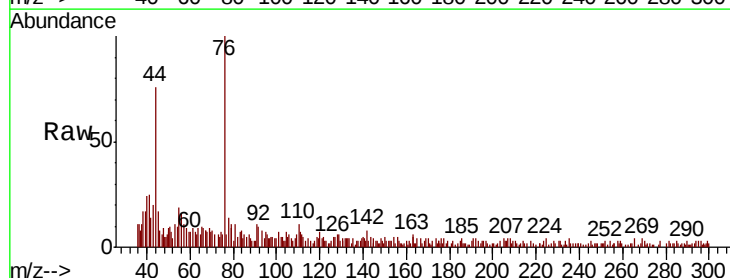
Instrument :
MSVOA_X
ClientSampled :

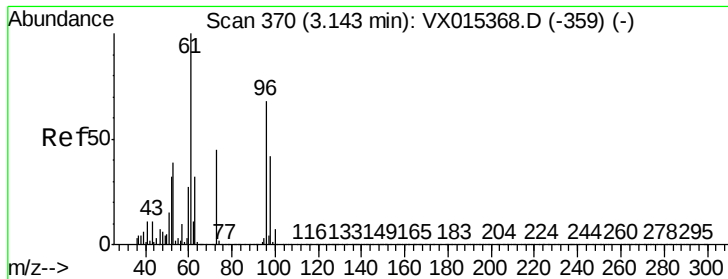
Tot Ion: 43 Resp: 2444
Ion Ratio Lower Upper
43 100
58 3.3 22.1 33.1#



#17
Carbon Disulfide
Concen: 0.285 ug/l
RT: 2.55 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX015424.D
Acq: 30 Mar 2020 13:31

Tgt Ion: 76 Resp: 9909
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7





#21

trans-1,2-Dichloroethene

Concen: 0.244 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

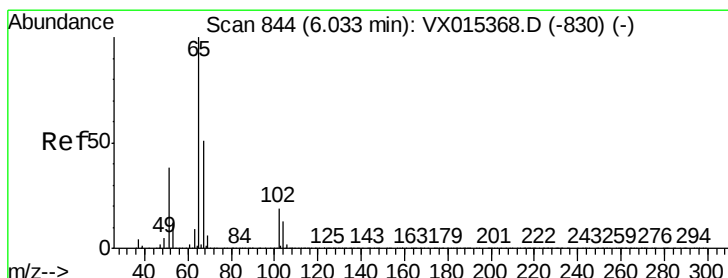
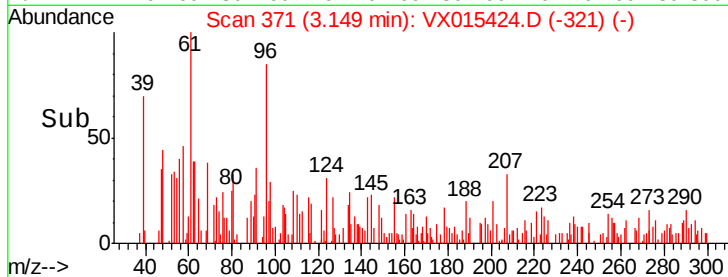
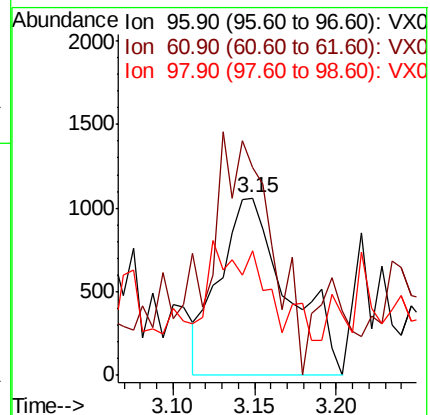
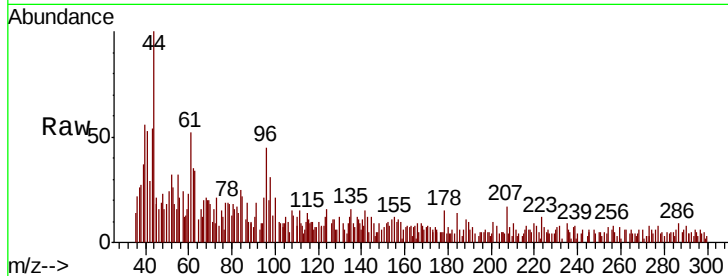
Tot Ion: 96 Resp: 3091

Ion Ratio Lower Upper

96 100

61 81.1 116.9 175.3#

98 40.8 48.6 73.0#



#33

1,2-Dichloroethane-d4

Concen: 46.283 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015424.D

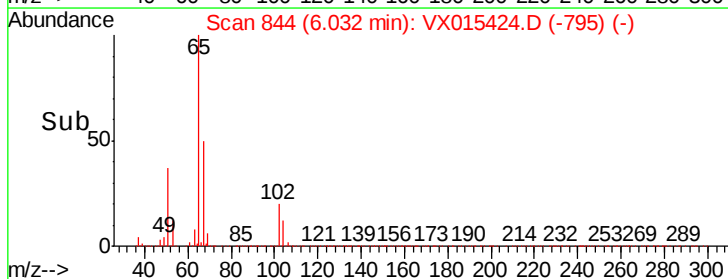
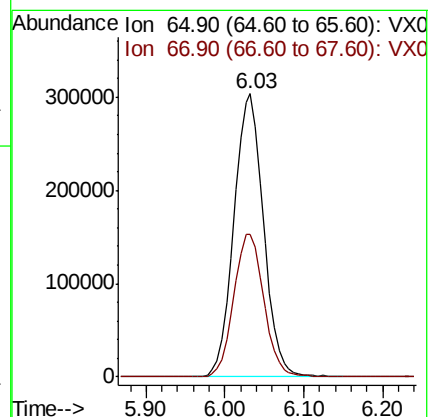
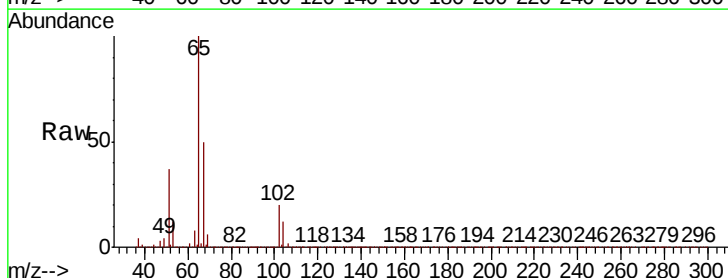
Acq: 30 Mar 2020 13:31

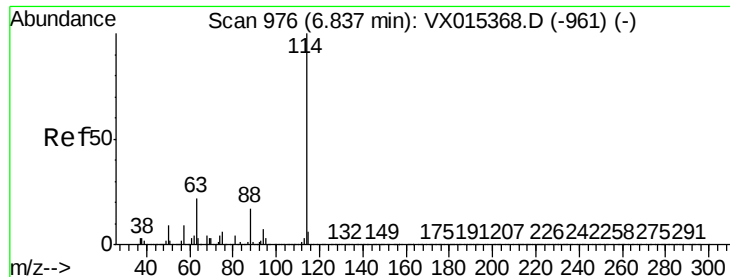
Tgt Ion: 65 Resp: 788732

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

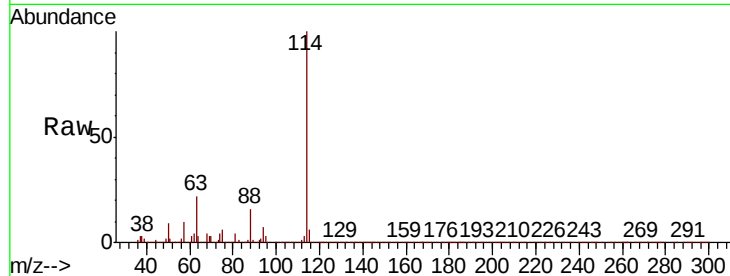
Tot Ion:114 Resp: 1931171

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

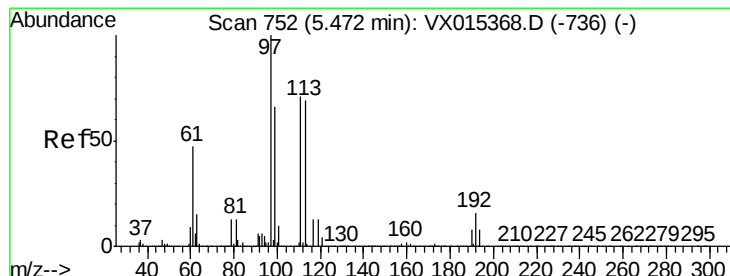
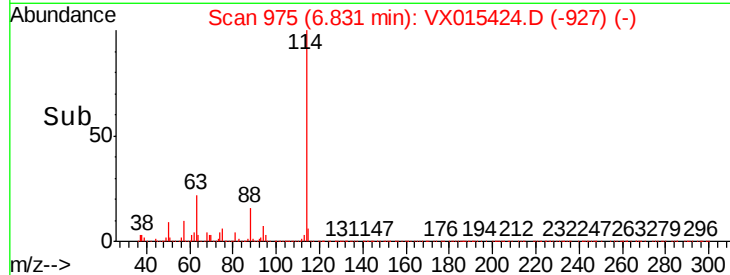
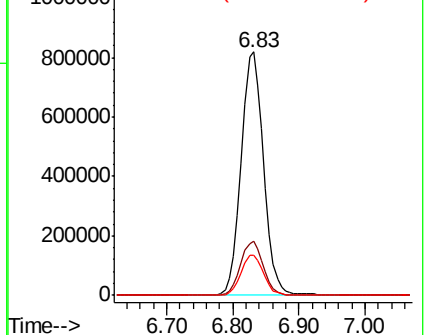
88 16.2 0.0 33.8



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: 49.781 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

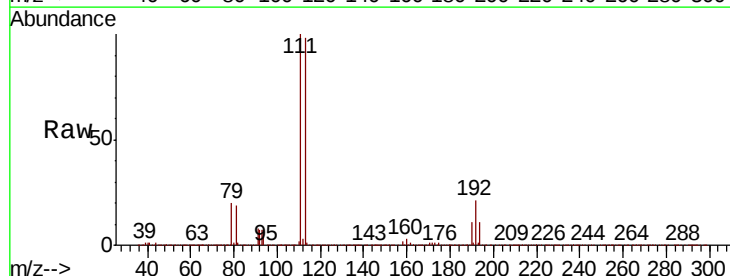
Tgt Ion:113 Resp: 614522

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

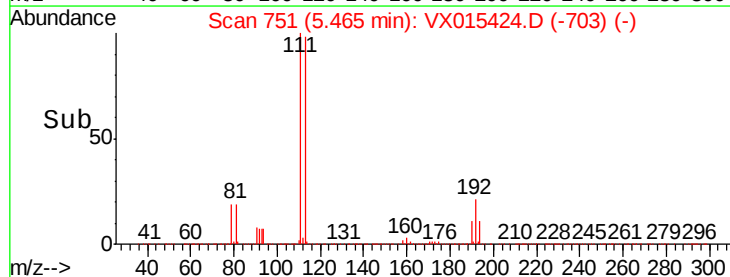
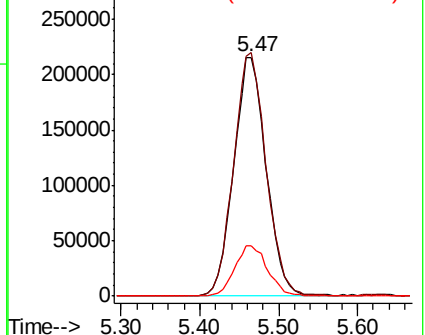
192 21.6 17.8 26.6

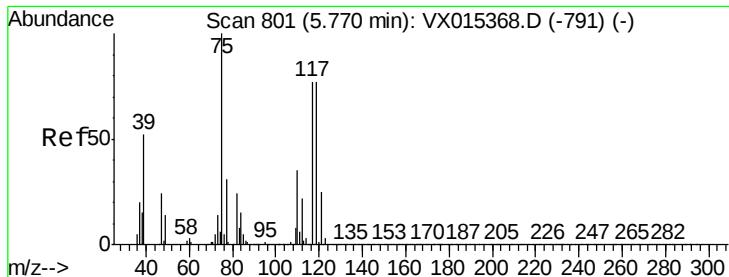


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.264 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

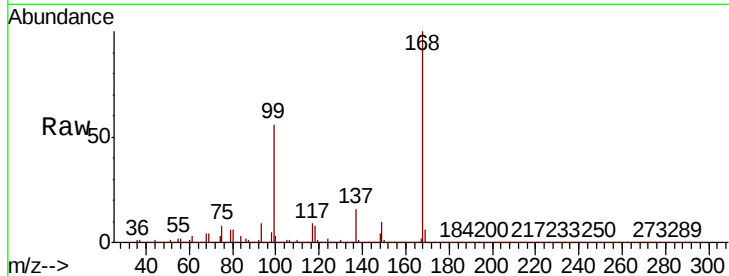
Tot Ion: 75 Resp: 93674

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.3#

77 0.2 24.6 36.8#

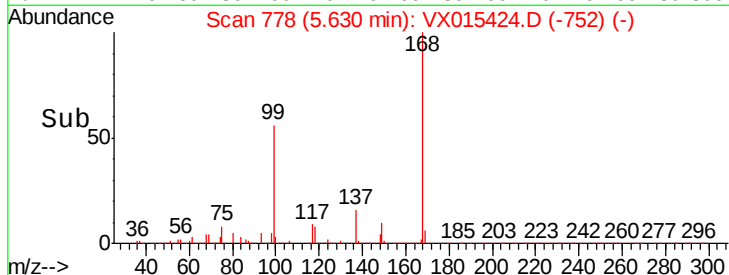


Abundance Ion 74.90 (74.60 to 75.60): VX015368.D (-791) (-)

Ion 109.90 (109.60 to 110.60): VX015368.D (-791) (-)

Ion 76.90 (76.60 to 77.60): VX015368.D (-791) (-)

Time-->

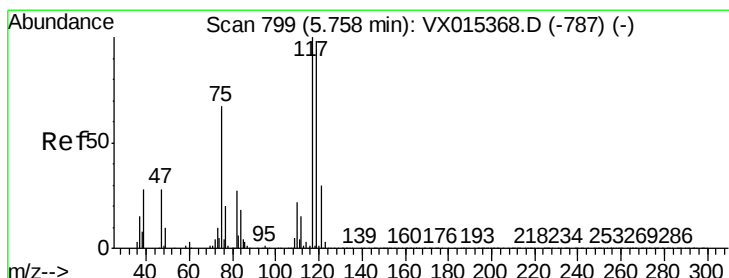


Abundance Ion 74.90 (74.60 to 75.60): VX015424.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX015424.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX015424.D (-752) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.006 ug/l

RT: 5.62 min Scan# 777

Delta R.T. -0.13 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

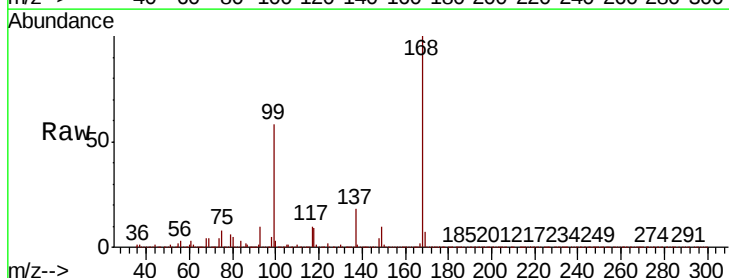
Tgt Ion: 117 Resp: 115757

Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

121 0.6 23.8 35.8#

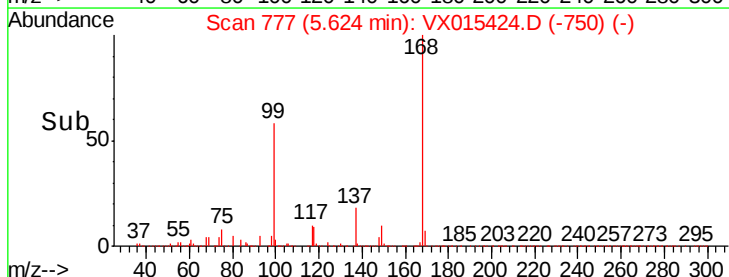


Abundance Ion 116.80 (116.50 to 117.50): VX015368.D (-787) (-)

Ion 118.80 (118.50 to 119.50): VX015368.D (-787) (-)

Ion 120.80 (120.50 to 121.50): VX015368.D (-787) (-)

Time-->

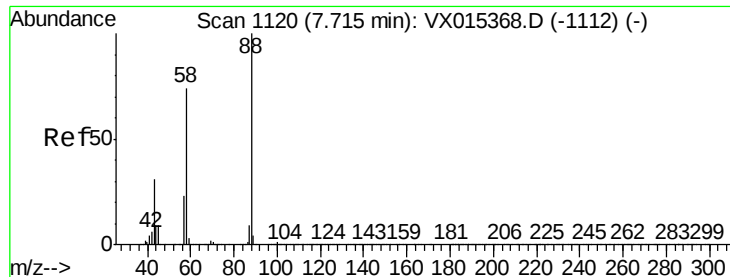


Abundance Ion 116.80 (116.50 to 117.50): VX015424.D (-750) (-)

Ion 118.80 (118.50 to 119.50): VX015424.D (-750) (-)

Ion 120.80 (120.50 to 121.50): VX015424.D (-750) (-)

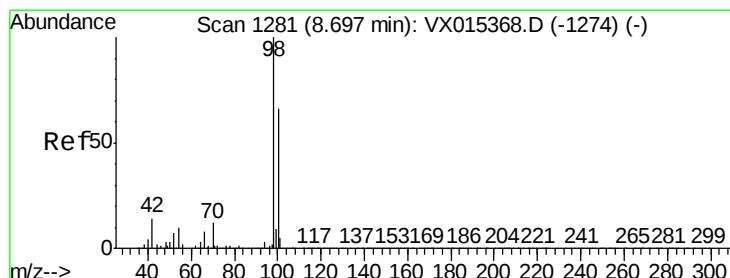
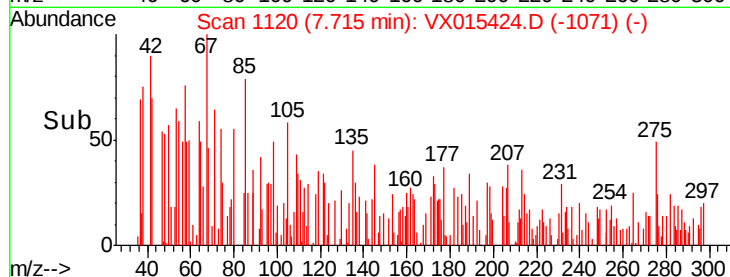
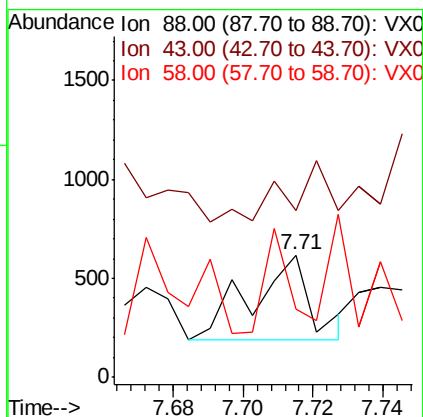
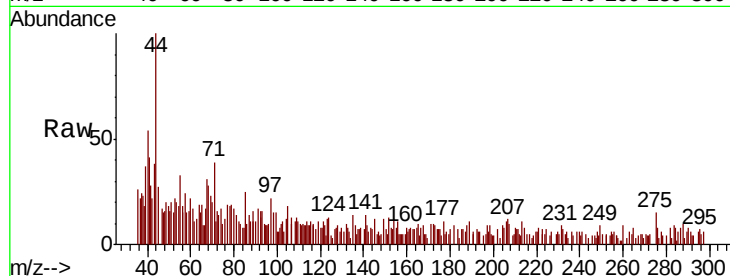
Time-->



#49
1,4-Dioxane
Concen: 1.364 ug/l
RT: 7.71 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VX015424.D
Acq: 30 Mar 2020 13:31

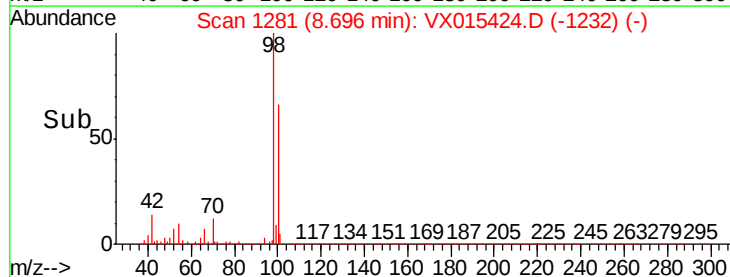
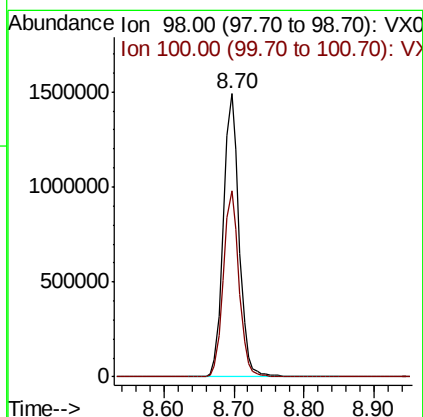
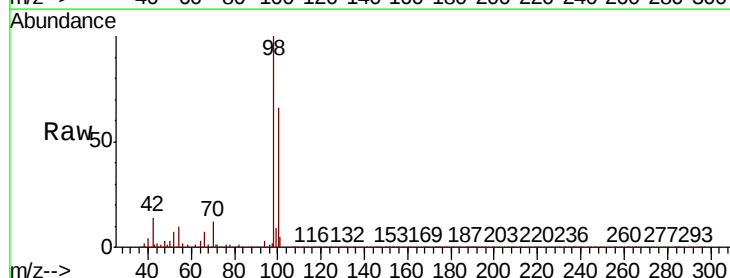
Instrument :
MSVOA_X
ClientSampled :

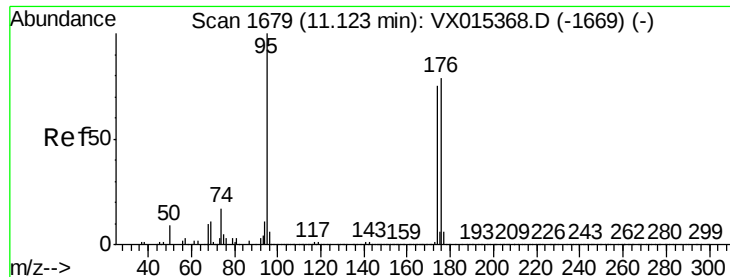
Tot Ion: 88 Resp: 497
Ion Ratio Lower Upper
88 100
43 53.9 30.1 45.1#
58 85.5 60.6 90.8



#50
Toluene-d8
Concen: 51.064 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015424.D
Acq: 30 Mar 2020 13:31

Tgt Ion: 98 Resp: 2320817
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 51.285 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

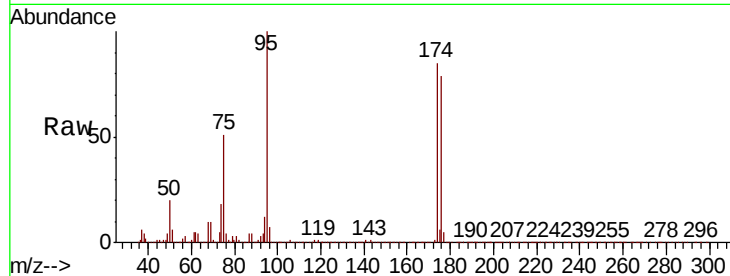
Tot Ion: 95 Resp: 947268

Ion Ratio Lower Upper

95 100

174 82.5 0.0 158.6

176 76.2 0.0 159.0

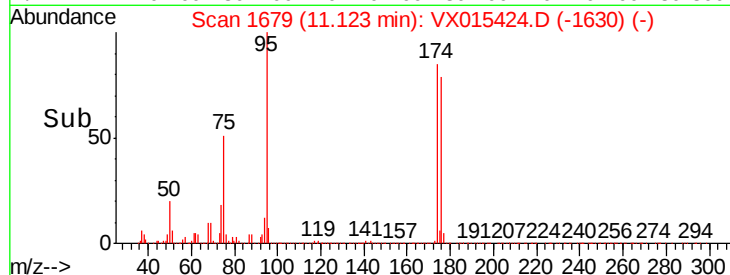


Abundance Ion 94.90 (94.60 to 95.60): VX015368.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015368.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015368.D (-1669) (-)

Time-->



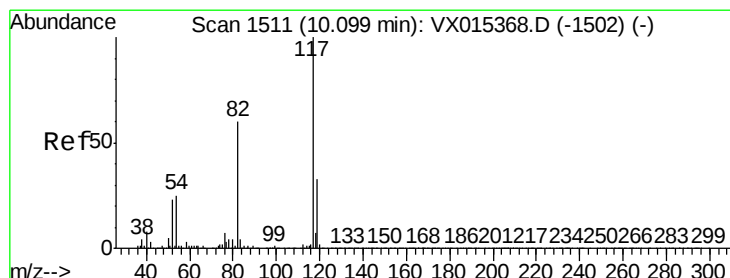
Abundance

Ion 94.90 (94.60 to 95.60): VX015424.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015424.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015424.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

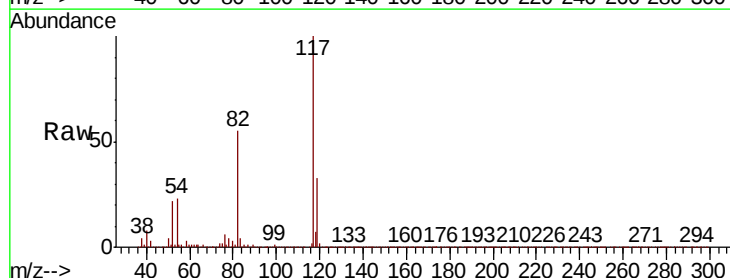
Tgt Ion: 117 Resp: 1803141

Ion Ratio Lower Upper

117 100

82 55.4 47.8 71.8

119 33.1 26.8 40.2

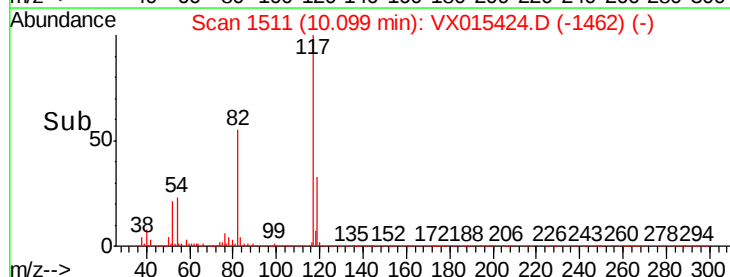


Abundance Ion 116.90 (116.60 to 117.60): VX015368.D (-1502) (-)

Ion 82.00 (81.70 to 82.70): VX015368.D (-1502) (-)

Ion 118.90 (118.60 to 119.60): VX015368.D (-1502) (-)

Time-->



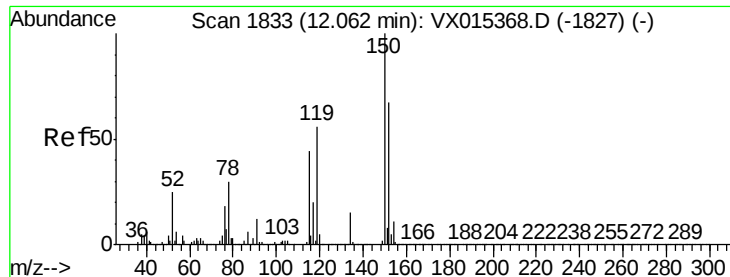
Abundance

Ion 116.90 (116.60 to 117.60): VX015424.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015424.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015424.D (-1462) (-)

Time-->

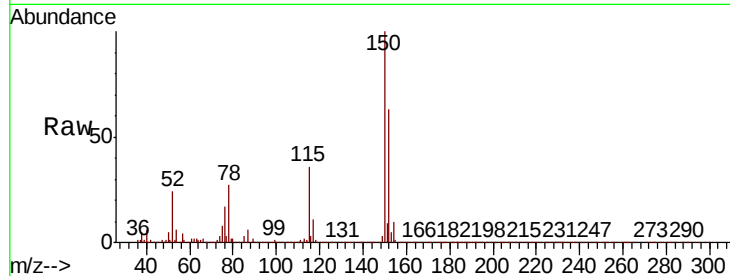


#72

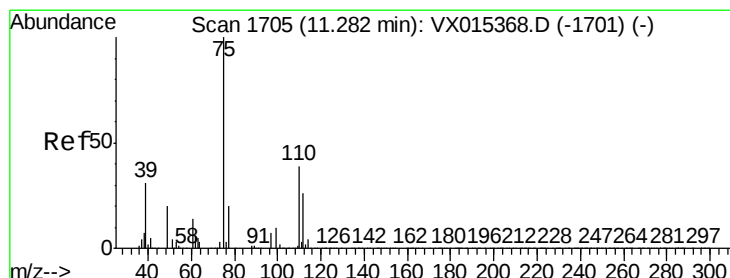
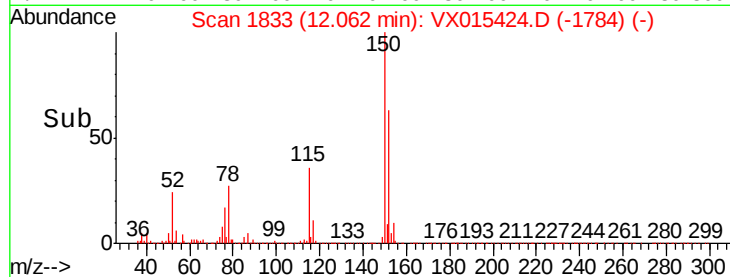
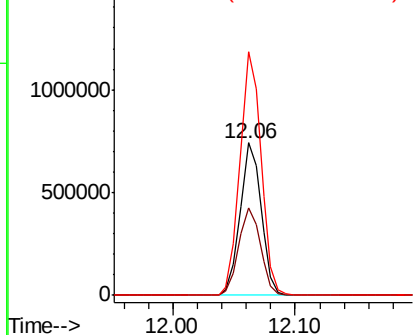
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015424.D
Acq: 30 Mar 2020 13:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 883474
Ion Ratio Lower Upper
152 100
115 59.2 39.0 116.9
150 159.7 0.0 340.8



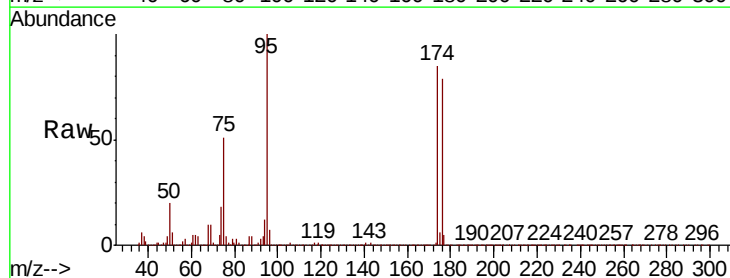
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



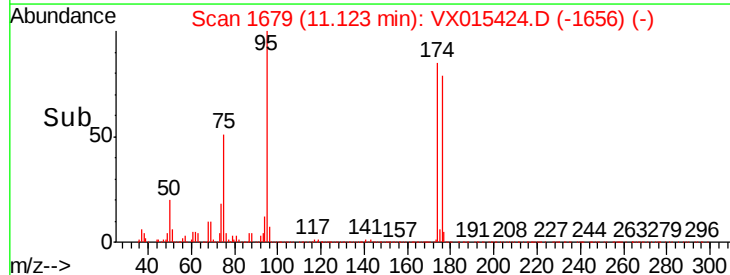
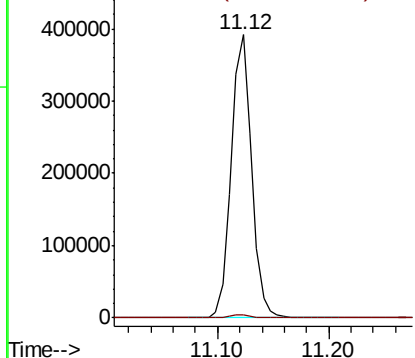
#76

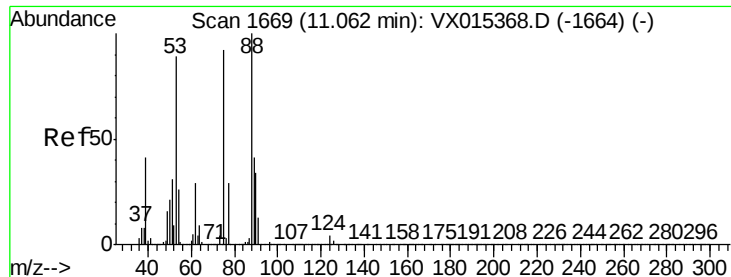
1,2,3-Trichloropropane
Concen: 27.200 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015424.D
Acq: 30 Mar 2020 13:31

Tgt Ion: 75 Resp: 494162
Ion Ratio Lower Upper
75 100
77 1.2 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: 65.264 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015424.D

Acq: 30 Mar 2020 13:31

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 494162

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

