

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO040220\
 Data File : VX015477.D
 Acq On : 02 Apr 2020 13:28
 Operator : JC/SP
 Sample : L2099-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 239-GW-02-12

Quant Time: Apr 03 08:00:27 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	1158827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1872953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1790128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	939455	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	794674	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
35) Dibromofluoromethane	5.47	113	595466	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	8.70	98	2261947	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.12	95	960965	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	

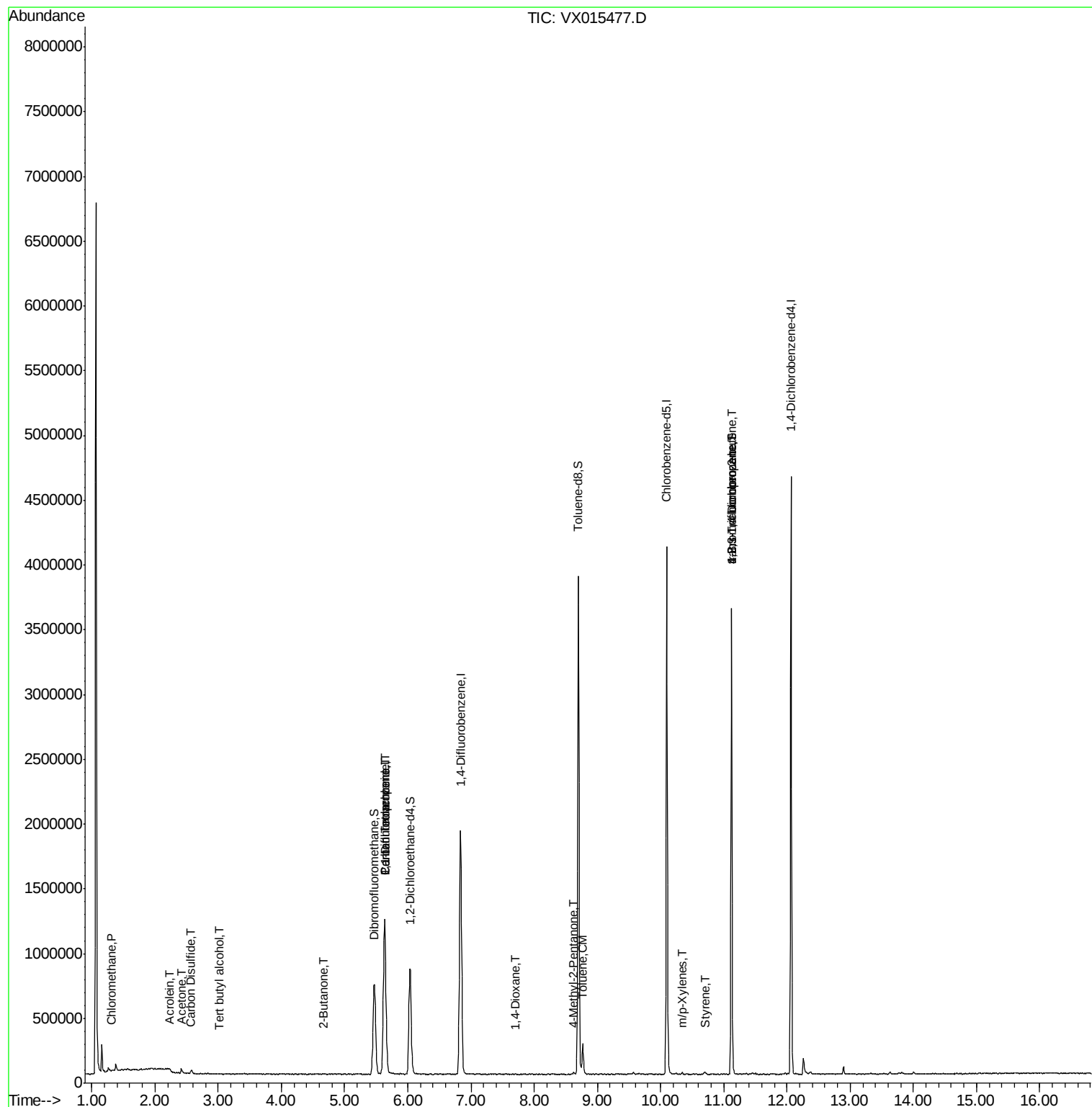
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	6510	0.501	ug/l #	87
5) Bromomethane	1.64	94	1253	Below Cal	#	76
11) Tert butyl alcohol	3.01	59	3448	0.881	ug/l #	88
13) Acrolein	2.24	56	542	0.243	ug/l #	1
16) Acetone	2.42	43	37222	5.301	ug/l	94
17) Carbon Disulfide	2.56	76	7562	0.227	ug/l	98
25) 2-Butanone	4.66	43	10458	0.926	ug/l	98
36) 1,1-Dichloropropene	5.63	75	87209	5.053	ug/l #	53
38) Carbon Tetrachloride	5.63	117	111436	5.962	ug/l #	15
49) 1,4-Dioxane	7.70	88	260	0.736	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	11013	0.512	ug/l #	75
52) Toluene	8.77	92	83362	2.675	ug/l	95
68) m/p-Xylenes	10.34	106	5280	0.224	ug/l	80
70) Styrene	10.70	104	9273	0.226	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	493003	25.519	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	493003	61.231	ug/l #	10

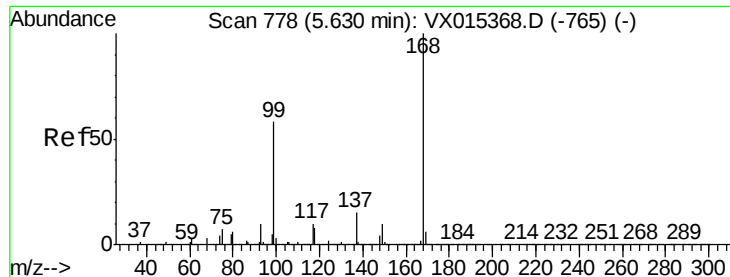
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040220\
Data File : VX015477.D
Acq On : 02 Apr 2020 13:28
Operator : JC/SP
Sample : L2099-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
239-GW-02-12

Quant Time: Apr 03 08:00:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015477.D

Acq: 02 Apr 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

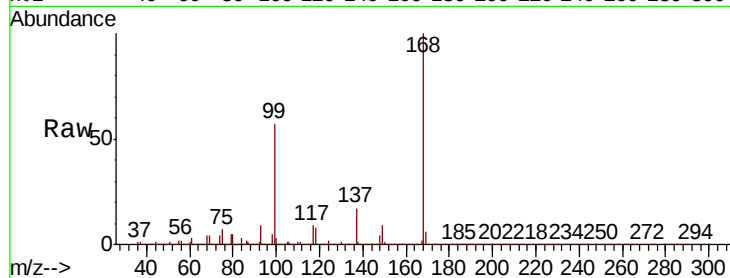
239-GW-02-12

Tot Ion:168 Resp: 1158827

Ion Ratio Lower Upper

168 100

99 56.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

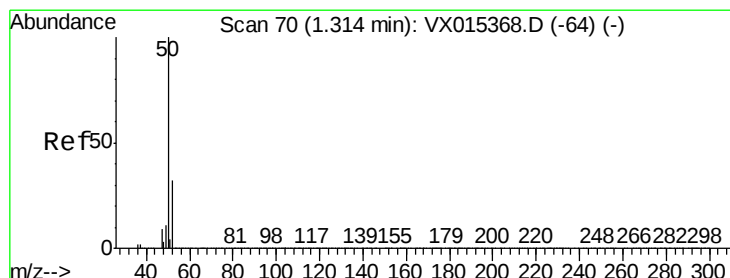
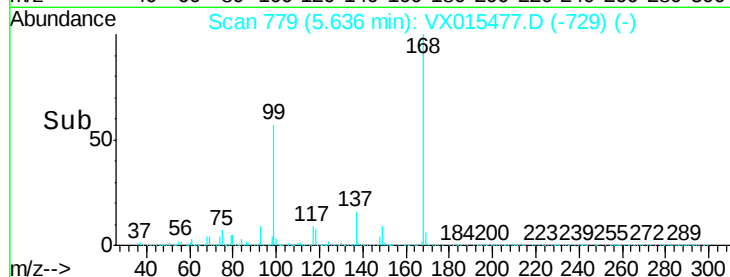
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.501 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015477.D

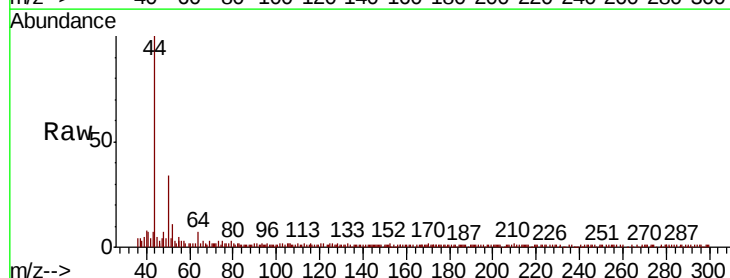
Acq: 02 Apr 2020 13:28

Tgt Ion: 50 Resp: 6510

Ion Ratio Lower Upper

50 100

52 24.5 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

8000

6000

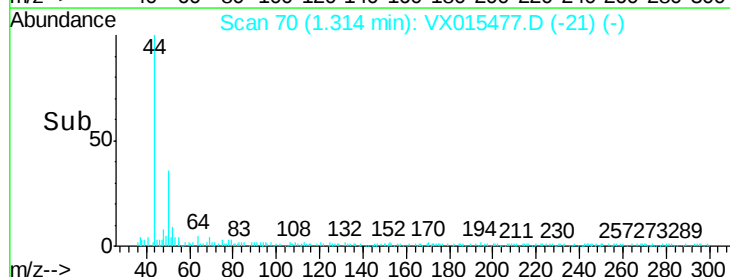
4000

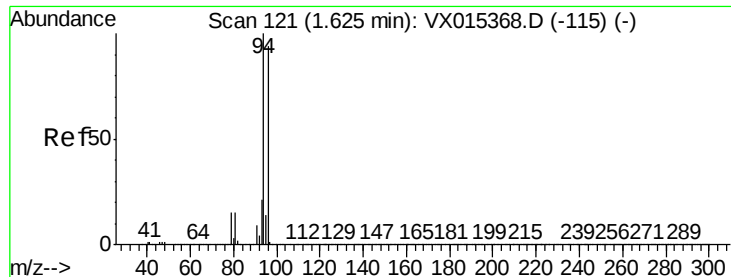
2000

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015477.D

Acq: 02 Apr 2020 13:28

Instrument :

MSVOA_X

ClientSampled :

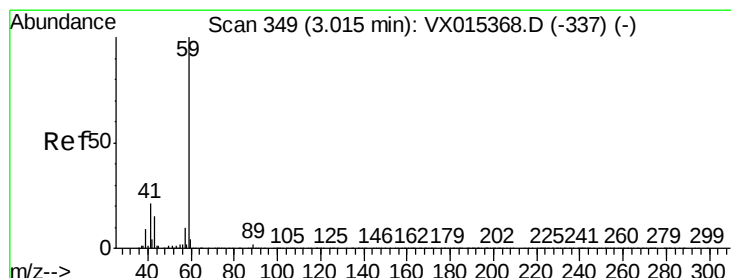
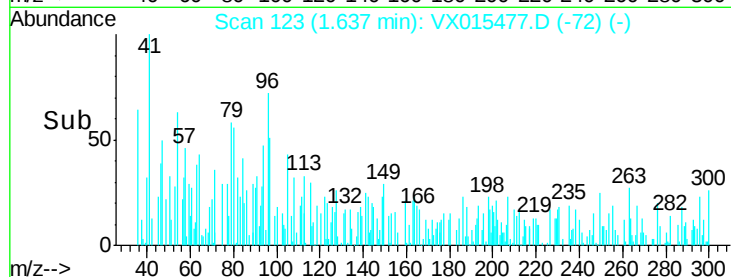
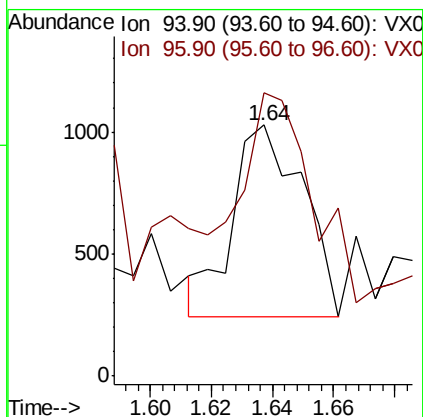
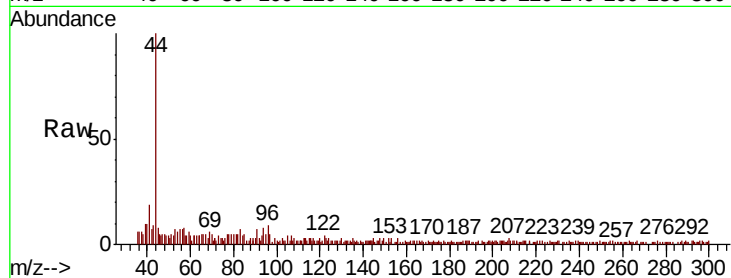
239-GW-02-12

Tot Ion: 94 Resp: 1253

Ion Ratio Lower Upper

94 100

96 70.2 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.881 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015477.D

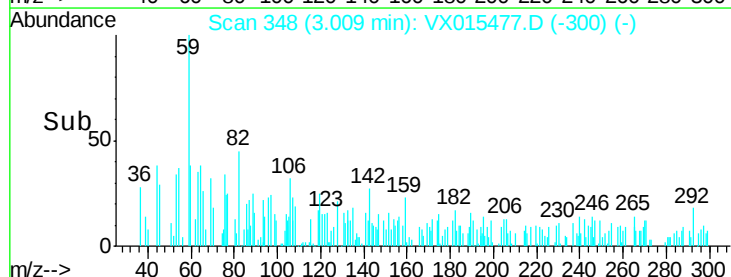
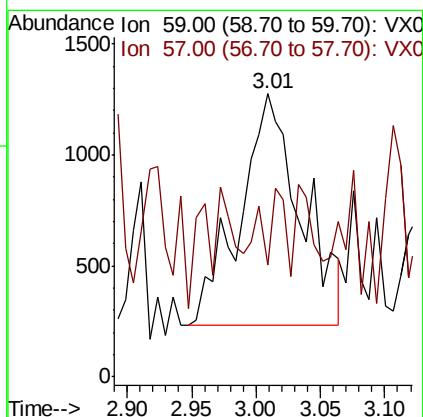
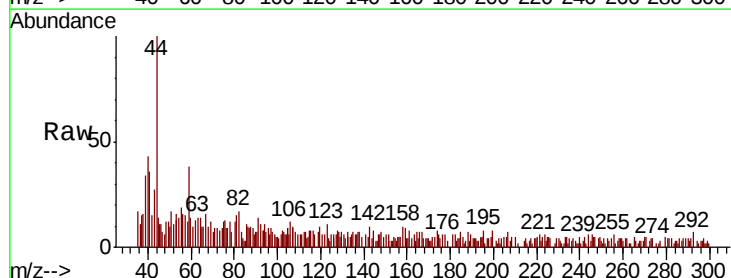
Acq: 02 Apr 2020 13:28

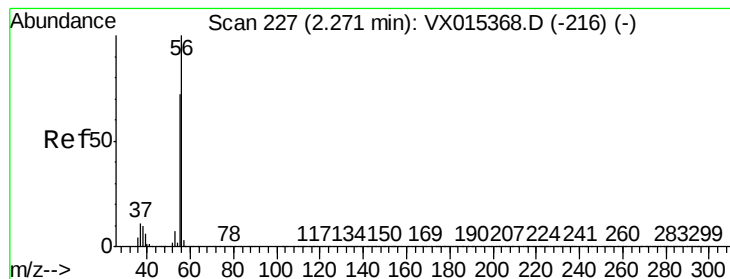
Tgt Ion: 59 Resp: 3448

Ion Ratio Lower Upper

59 100

57 14.5 8.1 12.1#





#13

Acrolein

Concen: 0.243 ug/l

RT: 2.24 min Scan# 222

Delta R.T. -0.03 min

Lab File: VX015477.D

Acq: 02 Apr 2020 13:28

Instrument :

MSVOA_X

ClientSampled :

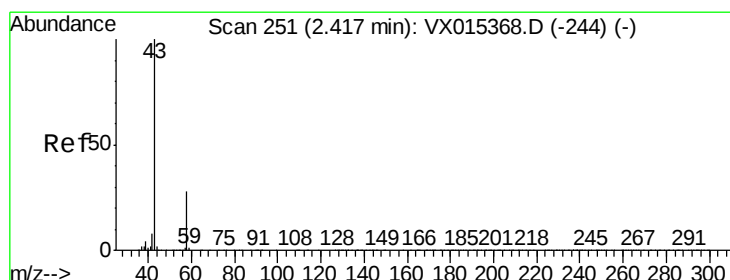
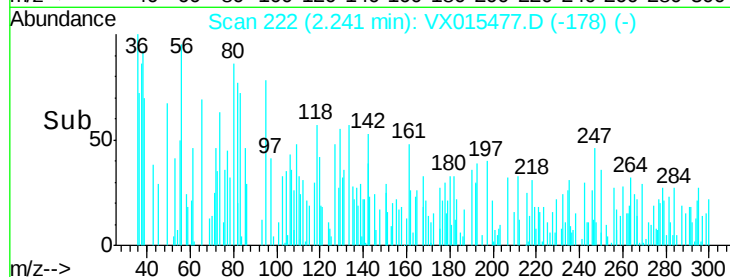
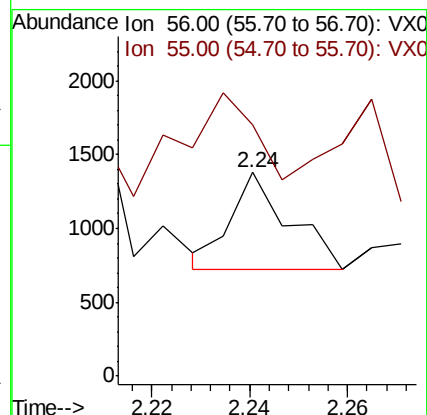
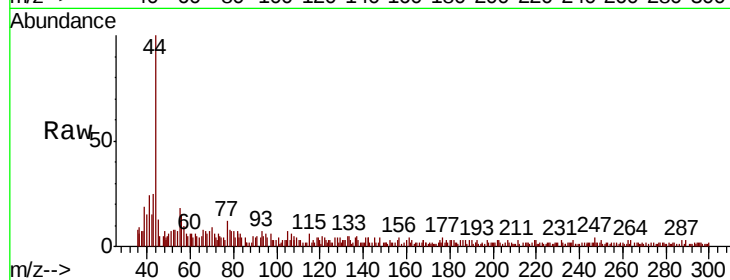
239-GW-02-12

Tot Ion: 56 Resp: 542

Ion Ratio Lower Upper

56 100

55 251.7 57.0 85.4#



#16

Acetone

Concen: 5.301 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015477.D

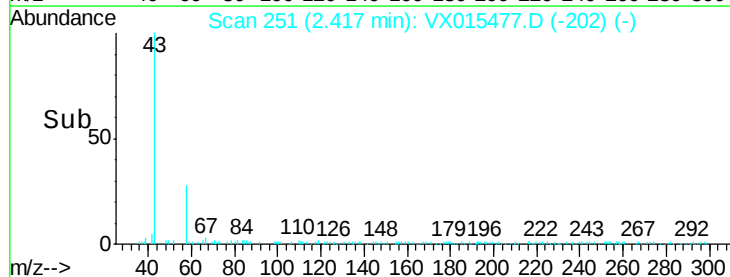
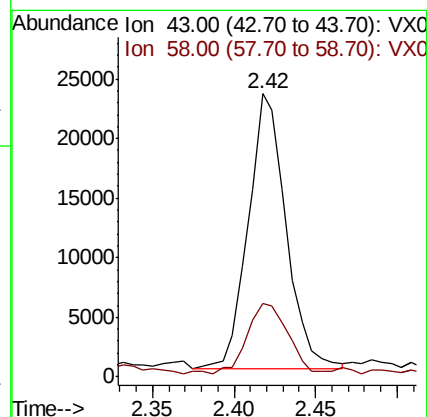
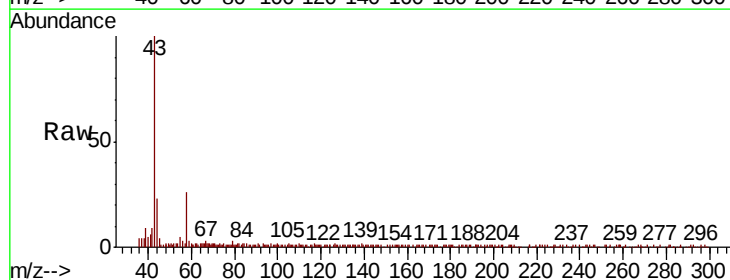
Acq: 02 Apr 2020 13:28

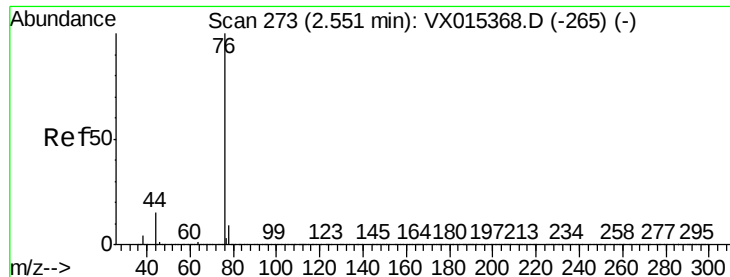
Tgt Ion: 43 Resp: 37222

Ion Ratio Lower Upper

43 100

58 24.6 22.1 33.1





#17

Carbon Disulfide

Concen: 0.227 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015477.D

Acq: 02 Apr 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

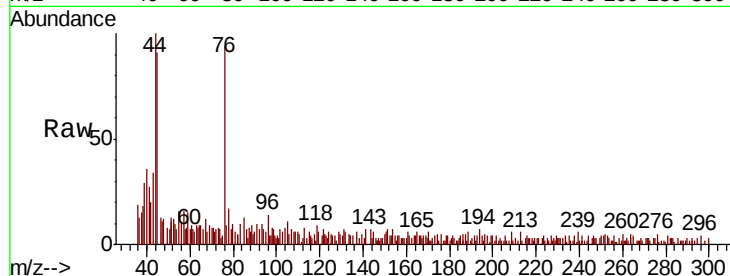
239-GW-02-12

Tot Ion: 76 Resp: 7562

Ion Ratio Lower Upper

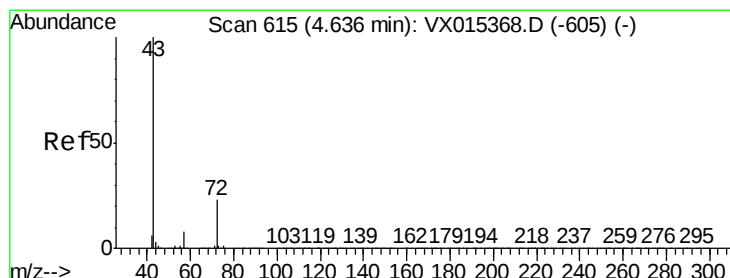
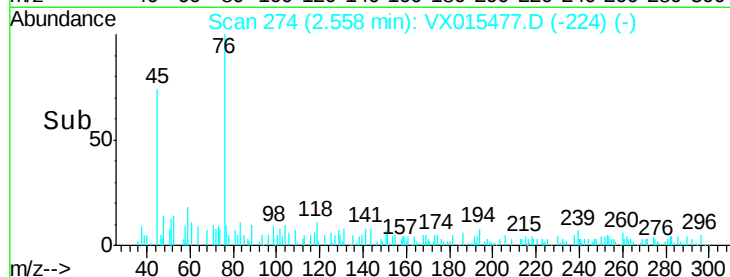
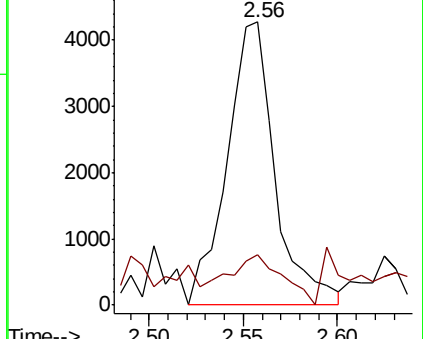
76 100

78 8.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.926 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015477.D

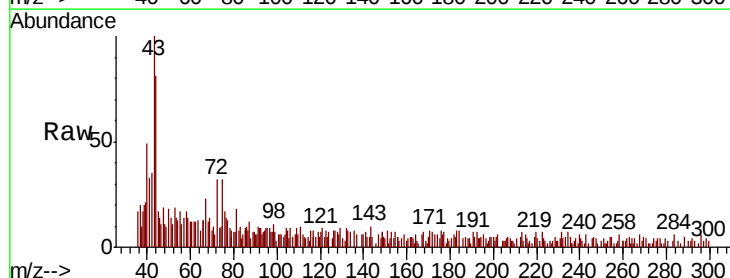
Acq: 02 Apr 2020 13:28

Tgt Ion: 43 Resp: 10458

Ion Ratio Lower Upper

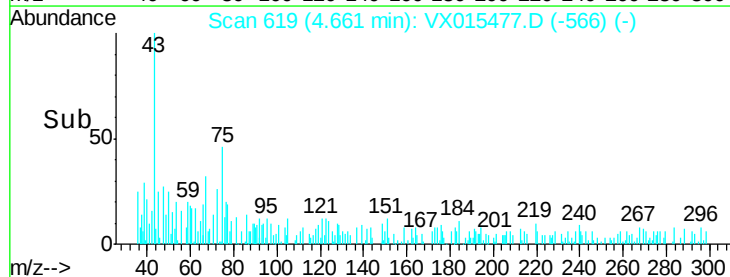
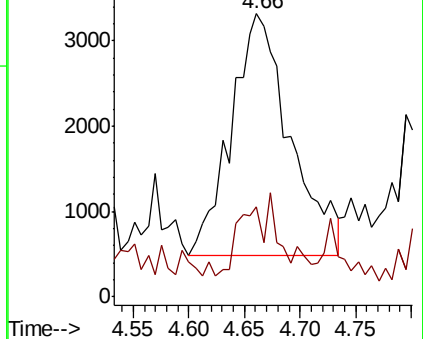
43 100

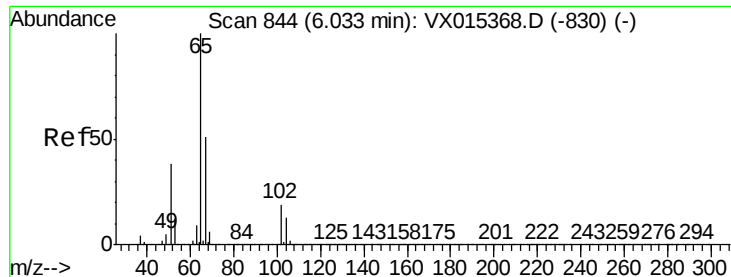
72 22.7 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

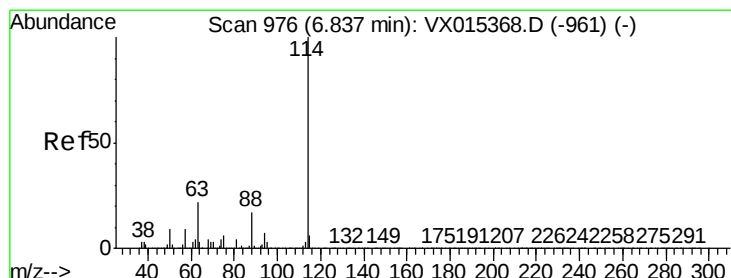
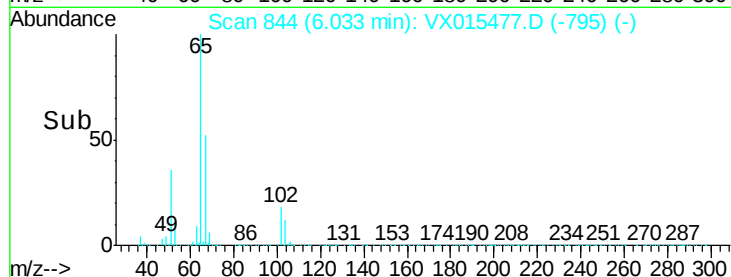
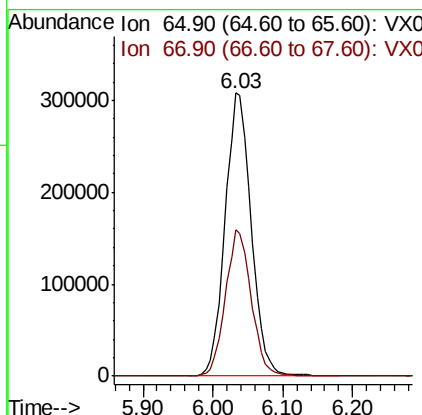
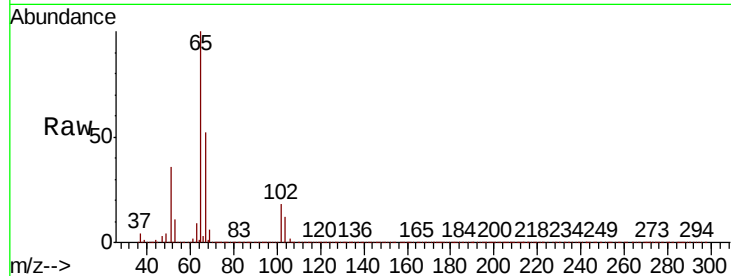




#33
 1,2-Dichloroethane-d4
 Concen: 48.622 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015477.D
 Acq: 02 Apr 2020 13:28

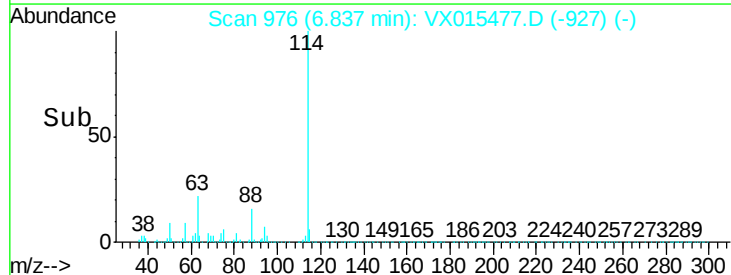
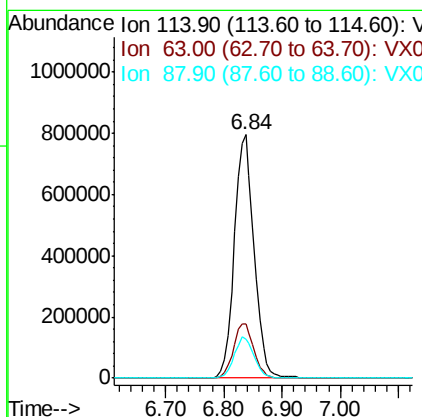
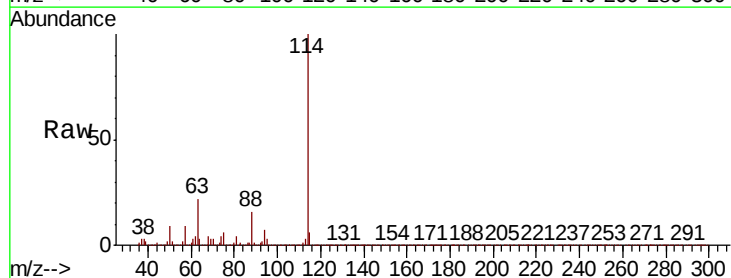
Instrument :
 MSVOA_X
 ClientSampleId :
 239-GW-02-12

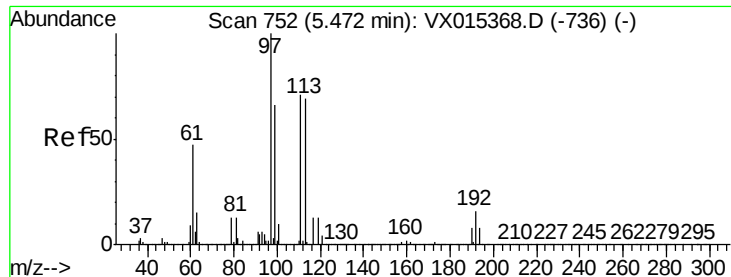
Tot Ion: 65 Resp: 794674
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015477.D
 Acq: 02 Apr 2020 13:28

Tgt Ion: 114 Resp: 1872953
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.2
 88 16.0 0.0 33.8

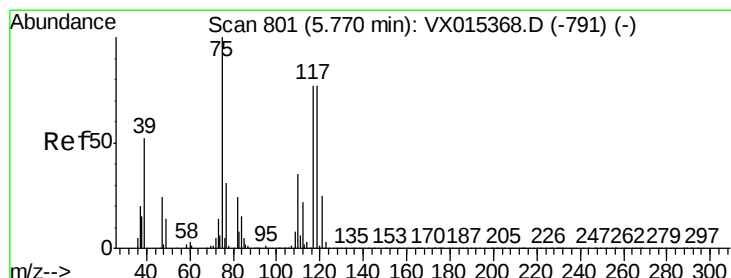
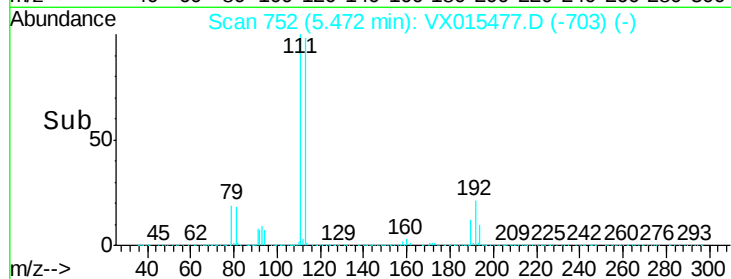
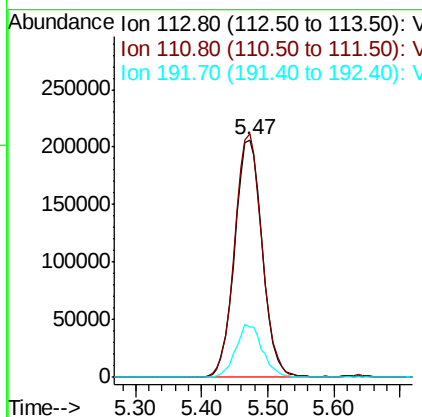
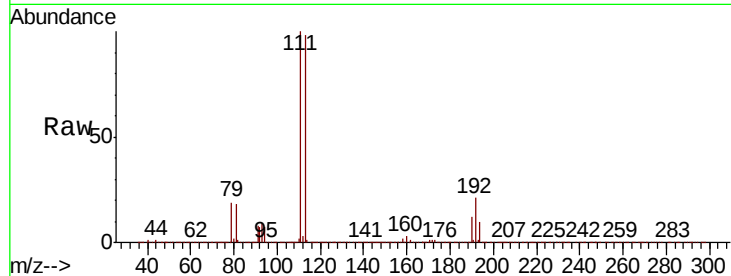




#35
 Dibromofluoromethane
 Concen: 49.736 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015477.D
 Acq: 02 Apr 2020 13:28

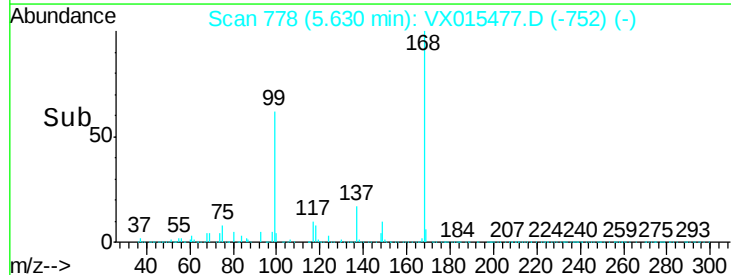
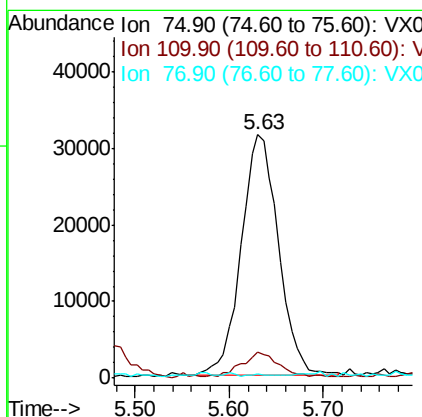
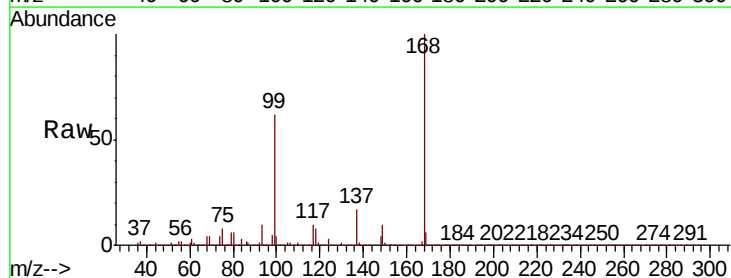
Instrument :
 MSVOA_X
 ClientSampled :
 239-GW-02-12

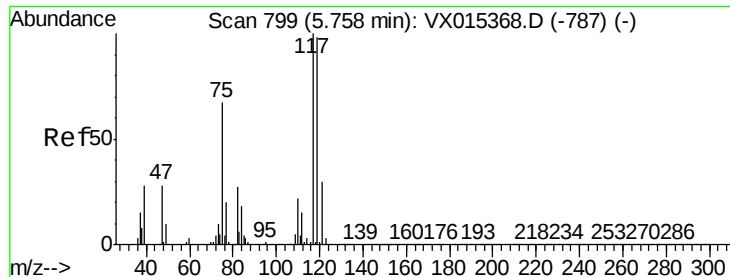
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.5	122.3
192	21.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.053 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015477.D
 Acq: 02 Apr 2020 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.1	51.3#
77	0.2	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.962 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015477.D

Acq: 02 Apr 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

239-GW-02-12

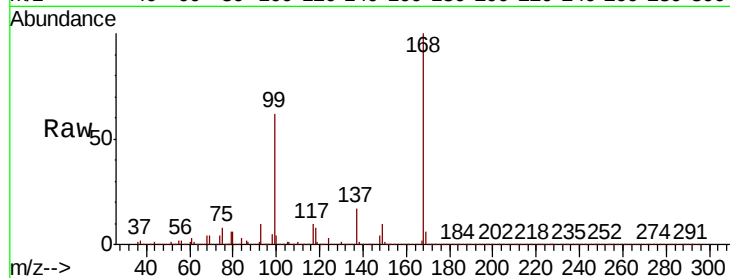
Tot Ion:117 Resp: 111436

Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.2 23.8 35.8#



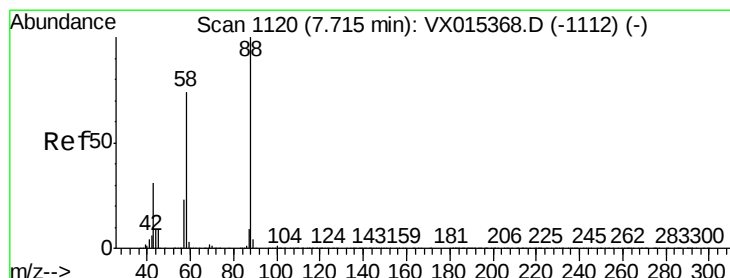
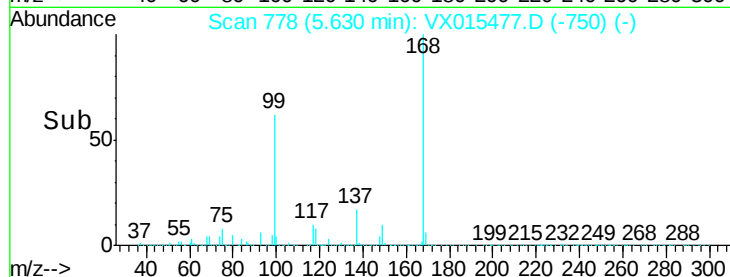
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

5.63

Time-->



#49

1,4-Dioxane

Concen: 0.736 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.02 min

Lab File: VX015477.D

Acq: 02 Apr 2020 13:28

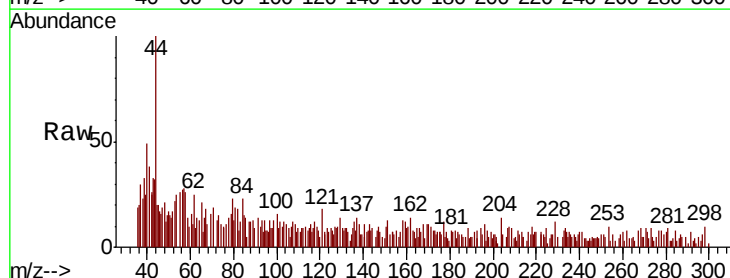
Tgt Ion: 88 Resp: 260

Ion Ratio Lower Upper

88 100

43 291.5 30.1 45.1#

58 126.9 60.6 90.8#



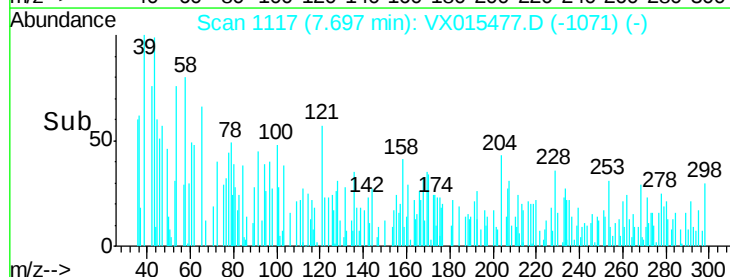
Abundance Ion 88.00 (87.70 to 88.70): VX0

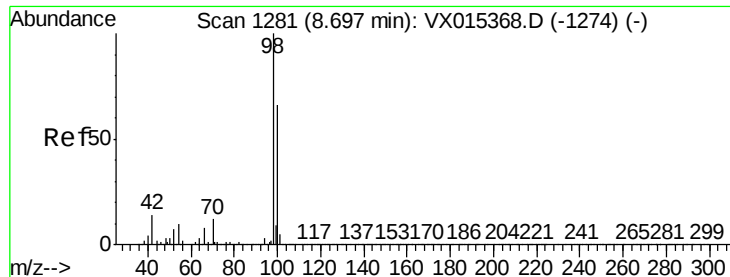
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

7.70

Time-->





#50

Toluene-d8

Concen: 51.315 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015477.D

Acq: 02 Apr 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

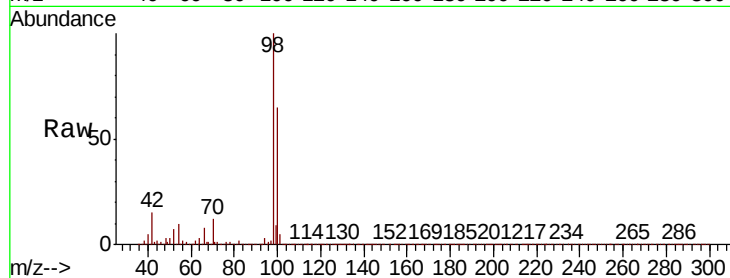
239-GW-02-12

Tot Ion: 98 Resp: 2261947

Ion Ratio Lower Upper

98 100

100 65.7 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

1500000

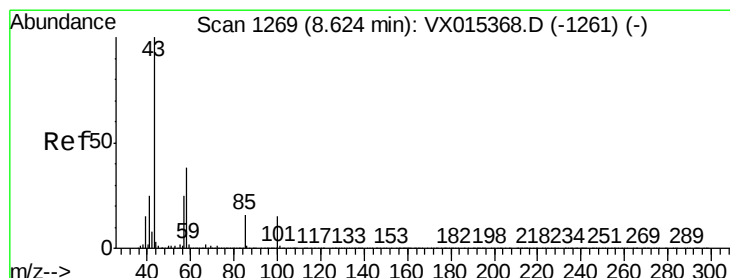
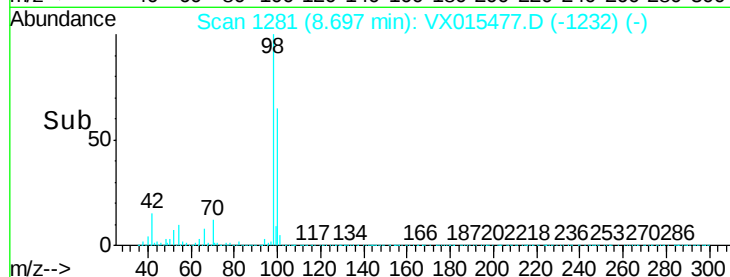
8.70

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.512 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VX015477.D

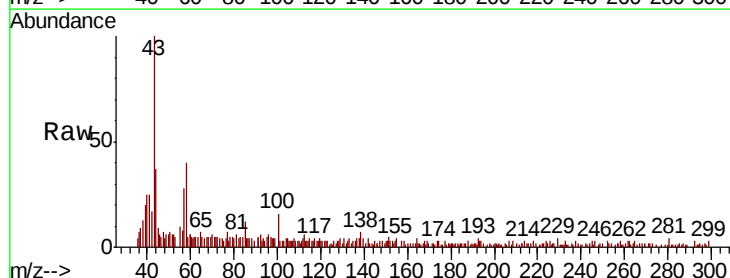
Acq: 02 Apr 2020 13:28

Tgt Ion: 43 Resp: 11013

Ion Ratio Lower Upper

43 100

58 52.1 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

15000

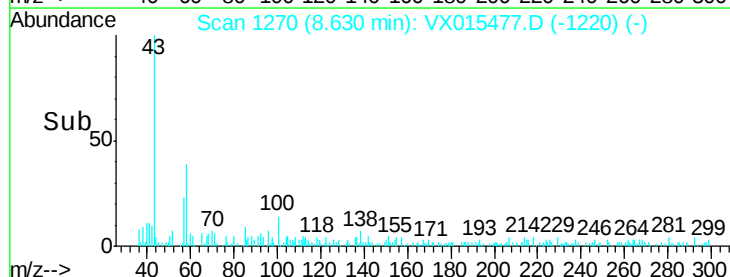
8.63

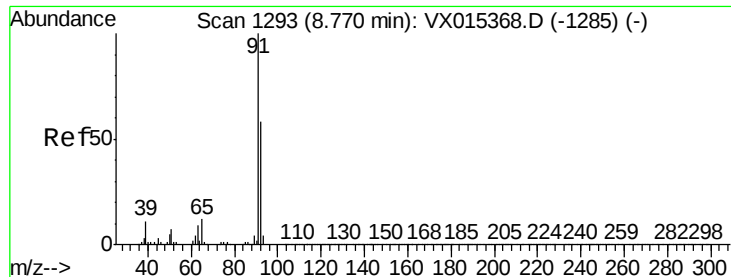
10000

5000

0

Time-->





#52

Toluene

Concen: 2.675 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015477.D

Acq: 02 Apr 2020 13:28

Instrument :

MSVOA_X

ClientSampleId :

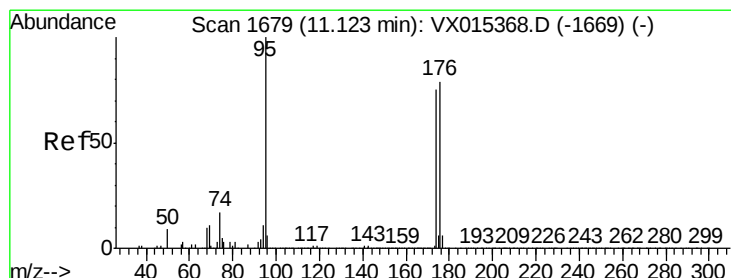
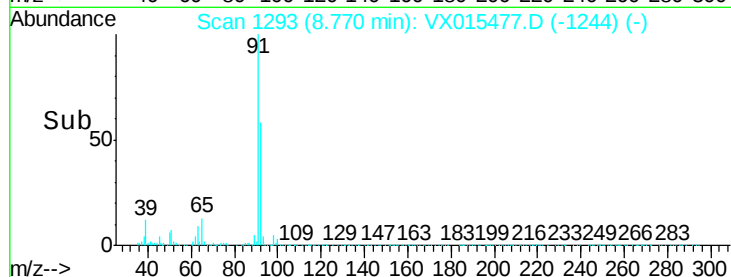
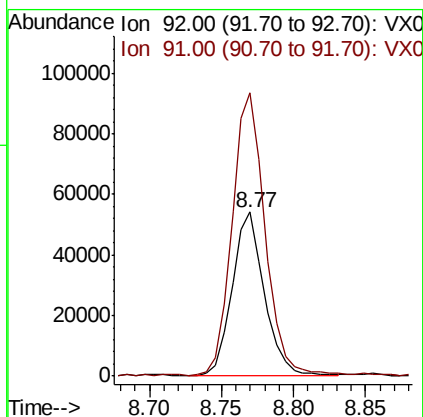
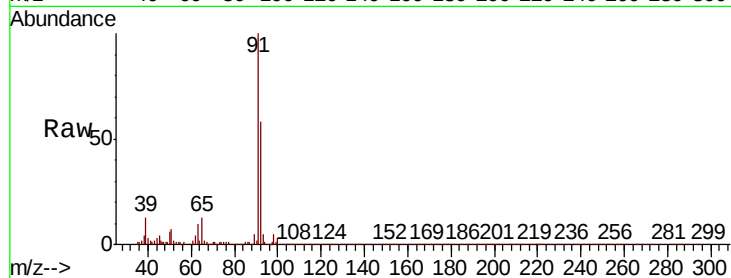
239-GW-02-12

Tot Ion: 92 Resp: 83362

Ion Ratio Lower Upper

92 100

91 177.2 136.6 205.0



#62

4-Bromofluorobenzene

Concen: 53.643 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015477.D

Acq: 02 Apr 2020 13:28

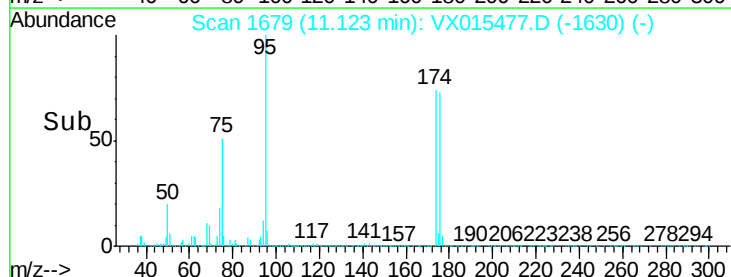
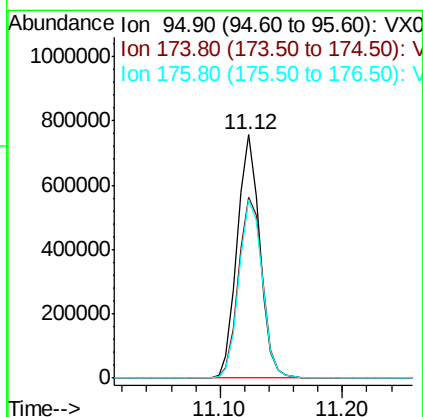
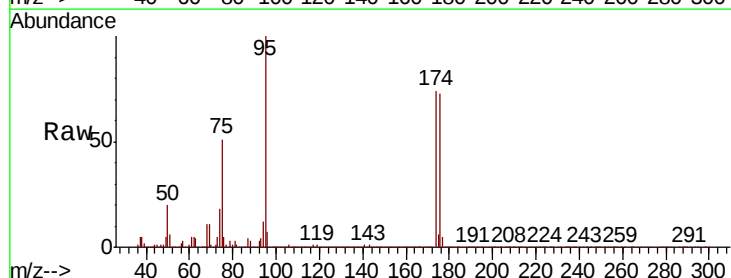
Tgt Ion: 95 Resp: 960965

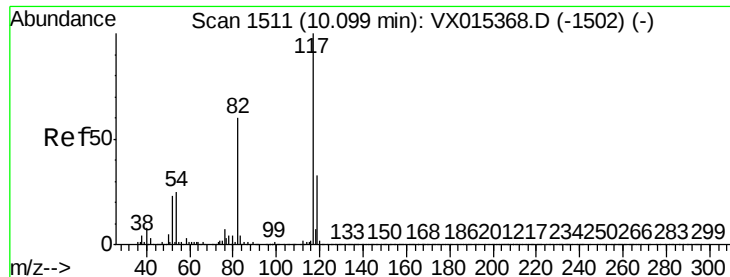
Ion Ratio Lower Upper

95 100

174 78.8 0.0 158.6

176 75.8 0.0 159.0

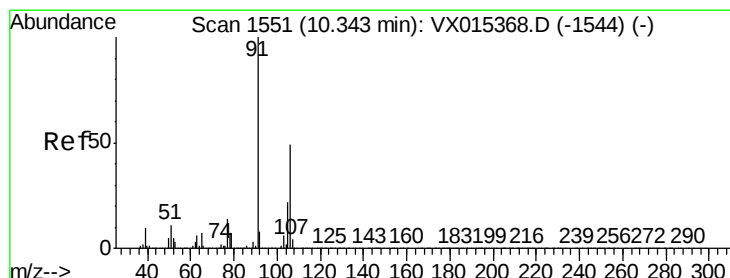
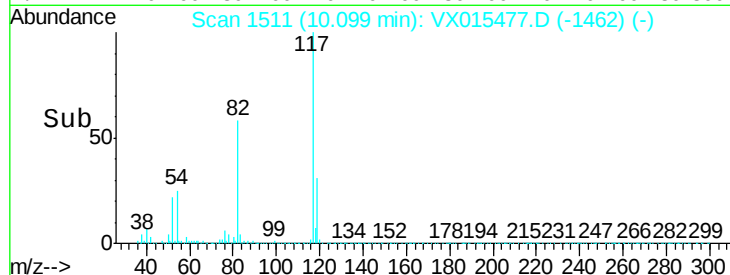
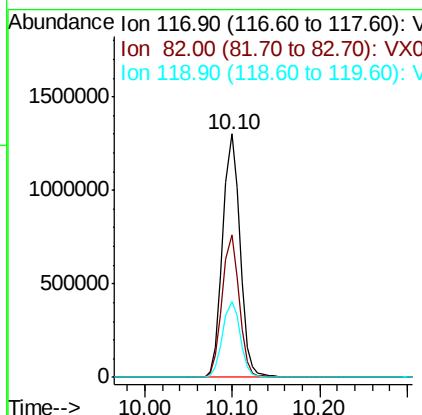
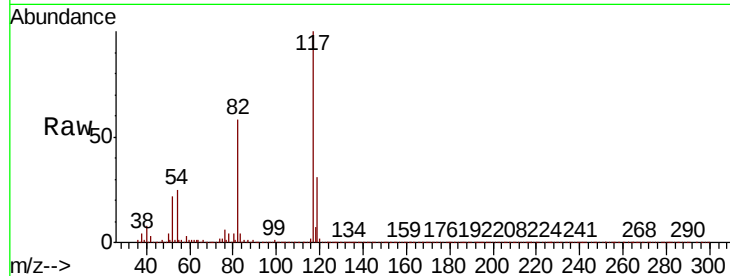




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015477.D
Acq: 02 Apr 2020 13:28

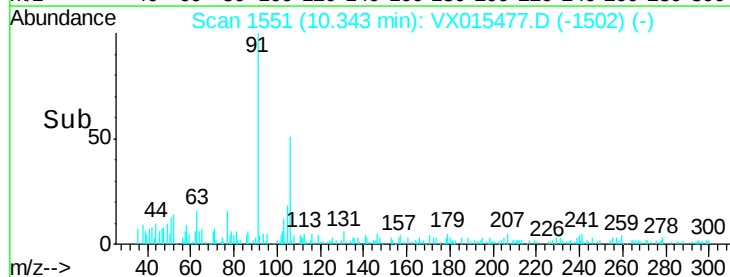
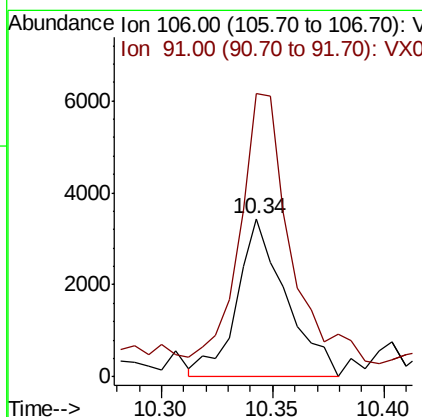
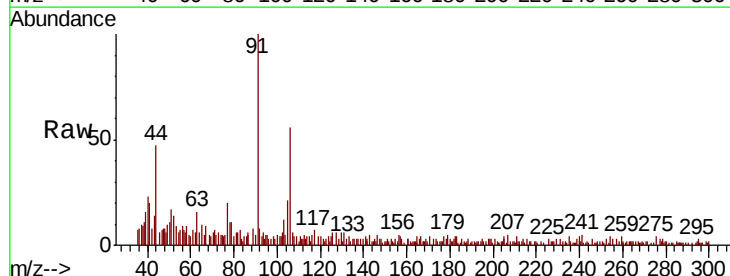
Instrument :
MSVOA_X
ClientSampleId :
239-GW-02-12

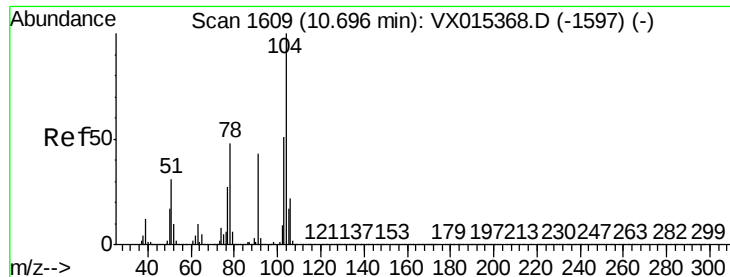
Tot Ion:117 Resp: 1790128
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.8
119 31.3 26.8 40.2



#68
m/p-Xylenes
Concen: 0.224 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015477.D
Acq: 02 Apr 2020 13:28

Tgt Ion:106 Resp: 5280
Ion Ratio Lower Upper
106 100
91 174.0 163.4 245.0

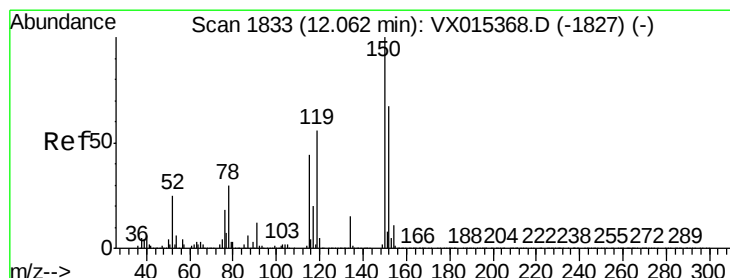
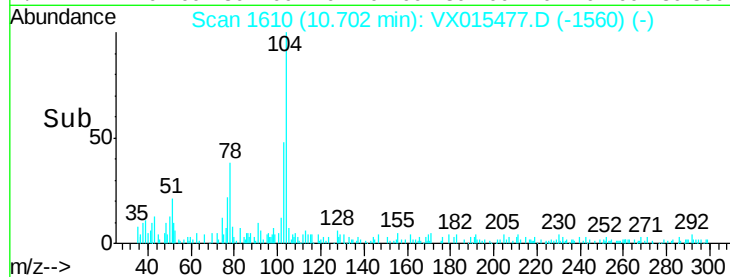
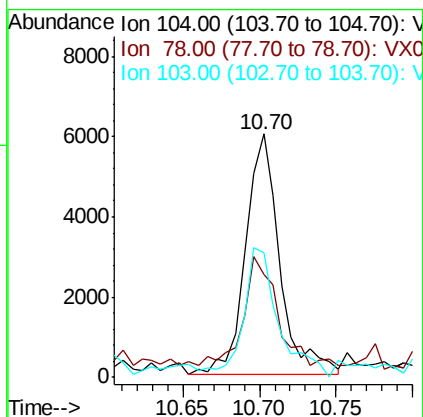
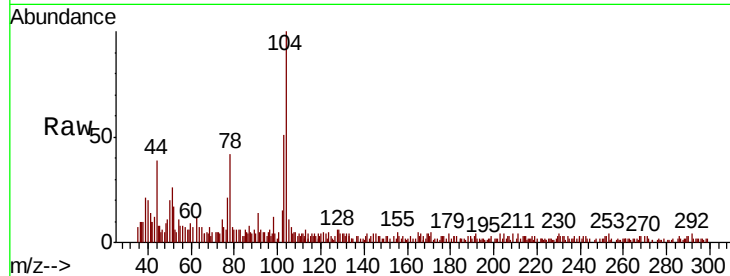




#70
Stvrene
Concen: 0.226 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. 0.01 min
Lab File: VX015477.D
Acq: 02 Apr 2020 13:28

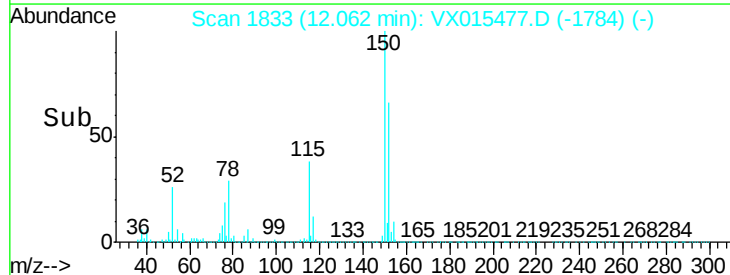
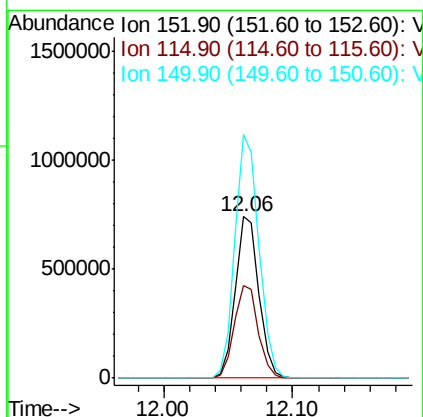
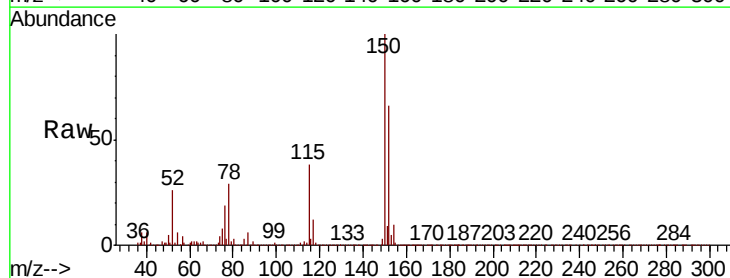
Instrument :
MSVOA_X
ClientSampleId :
239-GW-02-12

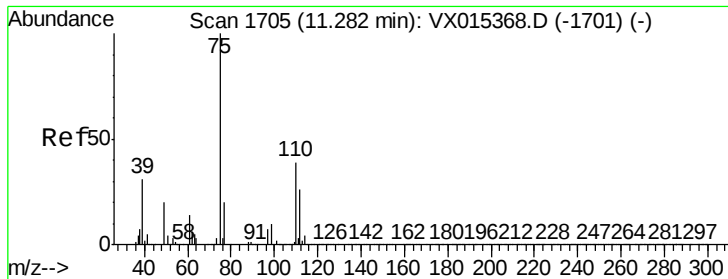
Tot Ion	Ratio	Lower	Upper
104	100		
78	46.1	42.0	63.0
103	54.1	43.4	65.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015477.D
Acq: 02 Apr 2020 13:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	39.0	116.9
150	154.5	0.0	340.8

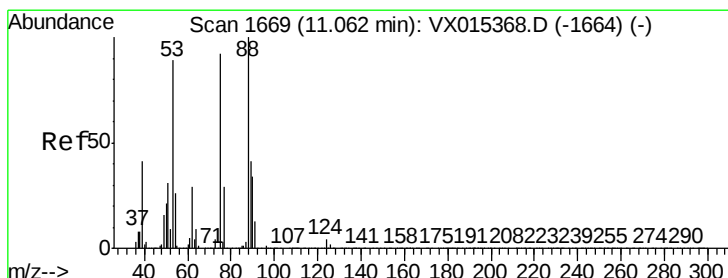
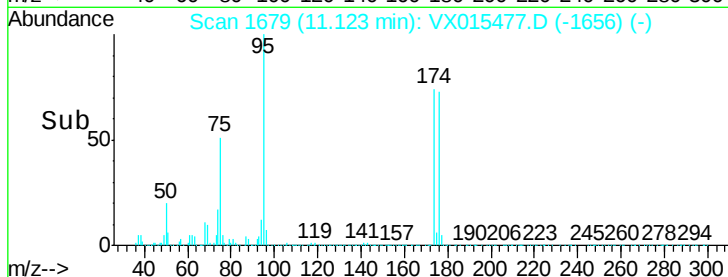
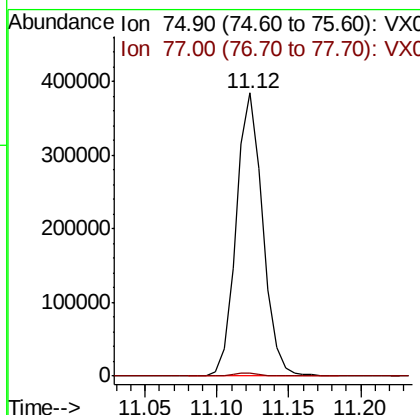
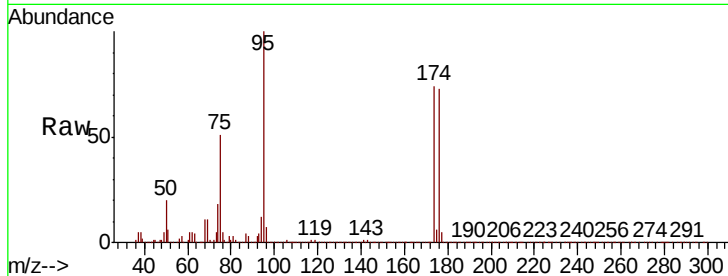




#76
 1,2,3-Trichloropropane
 Concen: 25.519 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015477.D
 Acq: 02 Apr 2020 13:28

Instrument :
 MSVOA_X
 ClientSampleId :
 239-GW-02-12

Tot Ion: 75 Resp: 493003
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.231 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015477.D
 Acq: 02 Apr 2020 13:28

Tgt Ion: 75 Resp: 493003
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.1 36.1 54.1#

