

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX030220\
 Data File : VX015062.D
 Acq On : 02 Mar 2020 10:16
 Operator : JC/SP
 Sample : VX0302WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0302WBL01

Quant Time: Mar 02 16:05:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	437739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	693390	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	644210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	308973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	248774	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	5.48	113	214087	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	8.71	98	832102	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.13	95	275864	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

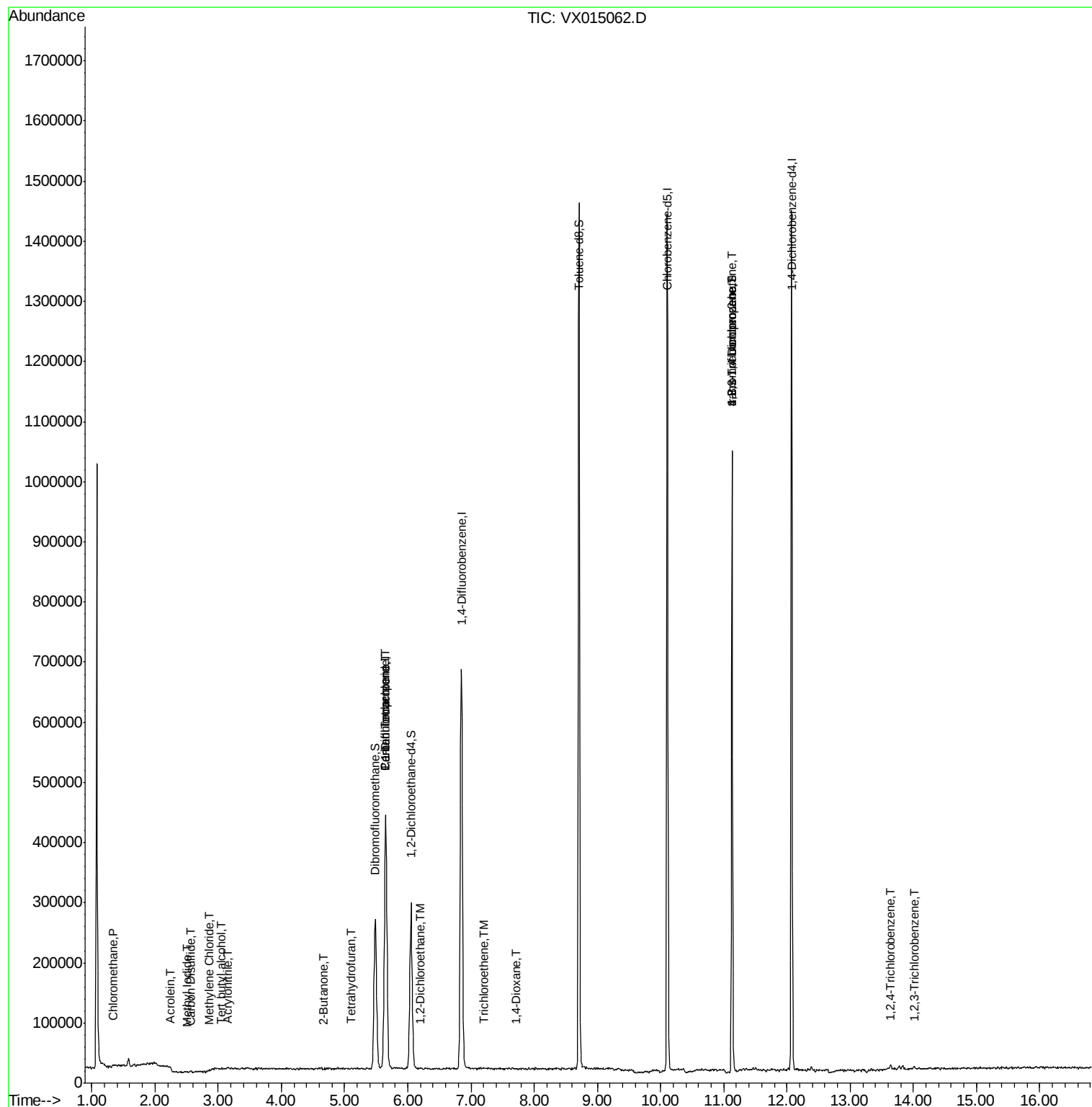
						Qvalue
3) Chloromethane	1.33	50	1450	0.31	ug/l #	58
10) Methyl Iodide	2.51	142	2031	4.77	ug/l	93
11) Tert butyl alcohol	3.05	59	457	0.52	ug/l #	72
13) Acrolein	2.25	56	253	0.38	ug/l	95
15) Acrylonitrile	3.15	53	989	0.45	ug/l	91
16) Acetone	2.45	43	1354	Below	Cal	94
17) Carbon Disulfide	2.56	76	2718	0.24	ug/l #	90
20) Methylene Chloride	2.85	84	1014	0.21	ug/l #	46
25) 2-Butanone	4.66	43	680	0.20	ug/l #	80
29) Tetrahydrofuran	5.11	42	558	0.29	ug/l #	67
36) 1,1-Dichloropropene	5.65	75	28779	4.64	ug/l #	51
38) Carbon Tetrachloride	5.65	117	38873	6.43	ug/l #	17
42) 1,2-Dichloroethane	6.18	62	1549	0.23	ug/l #	58
44) Trichloroethene	7.21	130	1078	0.20	ug/l	50
49) 1,4-Dioxane	7.72	88	404	4.11	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	131349	23.51	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	131349	60.18	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	2198	0.31	ug/l	82
96) 1,2,3-Trichlorobenzene	14.01	180	2074	0.31	ug/l	85

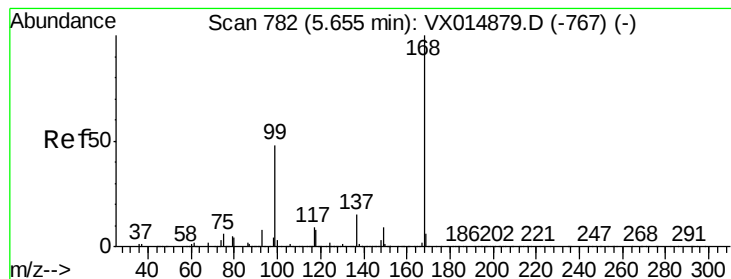
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

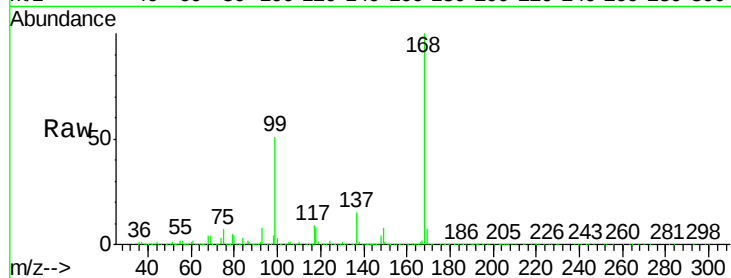
VX0302WBL01

Tgt Ion:168 Resp: 437739

Ion Ratio Lower Upper

168 100

99 50.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

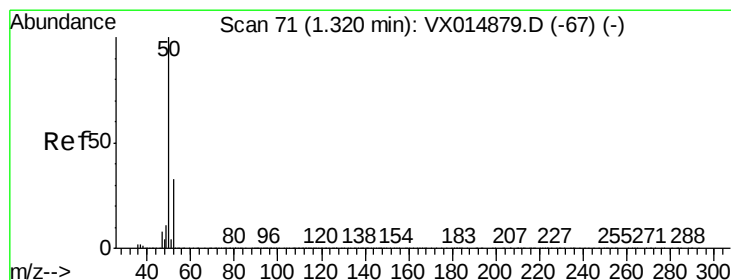
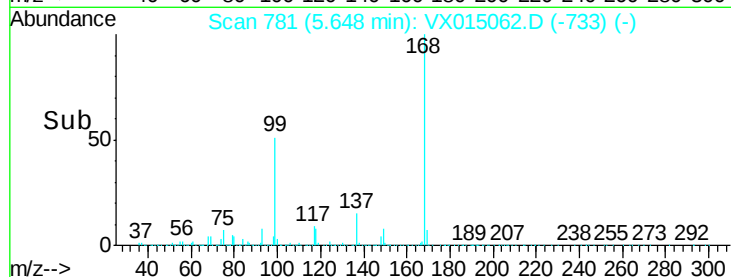
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.33 min Scan# 72

Delta R.T. 0.01 min

Lab File: VX015062.D

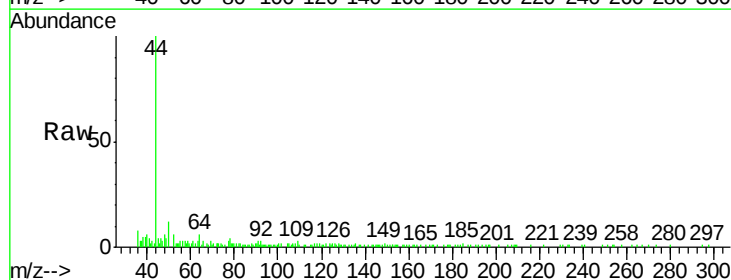
Acq: 02 Mar 2020 10:16

Tgt Ion: 50 Resp: 1450

Ion Ratio Lower Upper

50 100

52 9.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

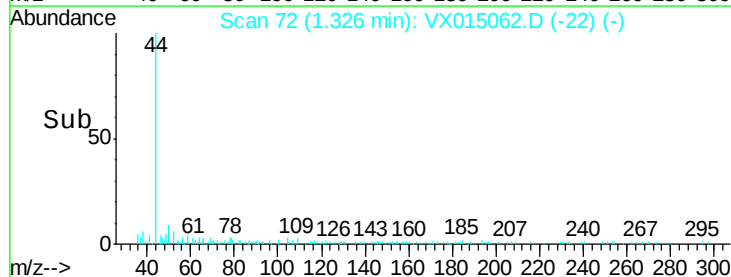
600

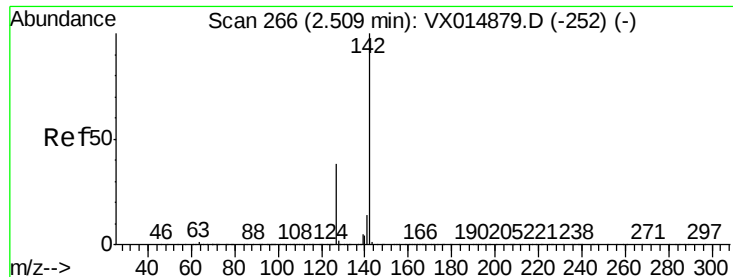
400

200

0

Time-->

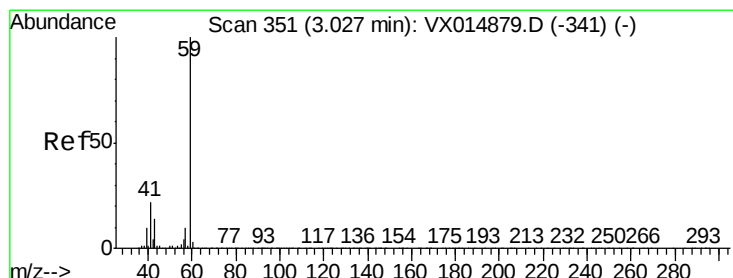
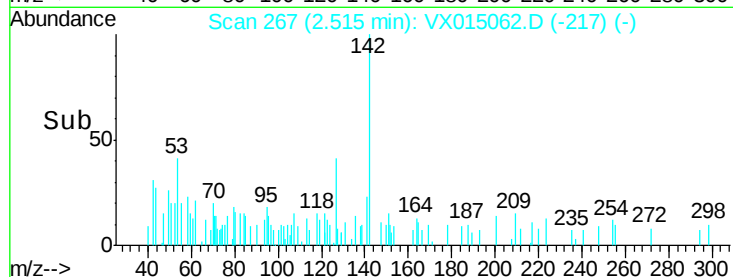
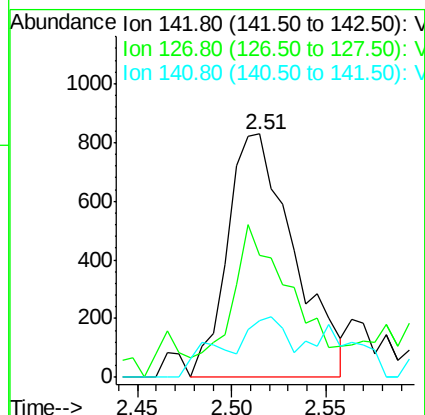
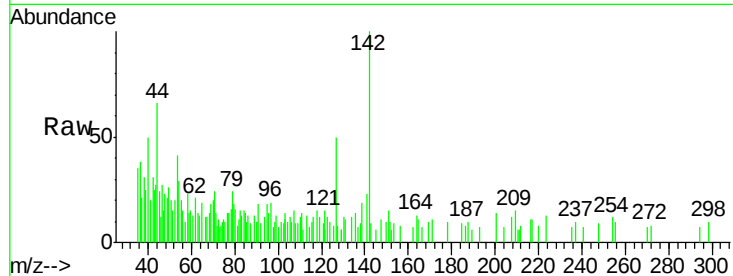




#10
Methyl Iodide
Concen: 4.77 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX015062.D
Acq: 02 Mar 2020 10:16

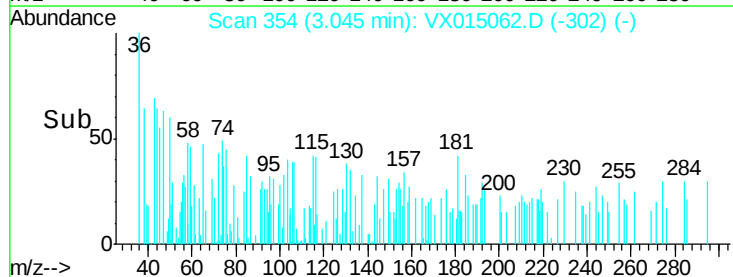
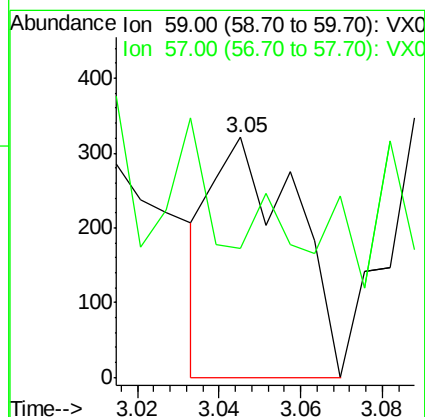
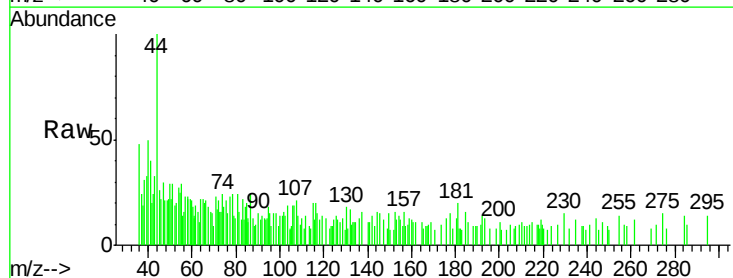
Instrument :
MSVOA_X
ClientSampleId :
VX0302WBL01

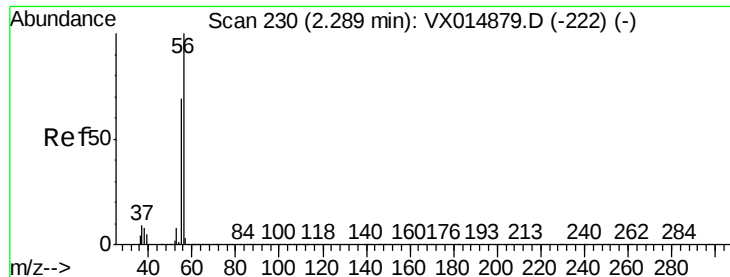
Tgt Ion: 142 Resp: 2031
Ion Ratio Lower Upper
142 100
127 43.4 31.1 46.7
141 11.7 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.52 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.02 min
Lab File: VX015062.D
Acq: 02 Mar 2020 10:16

Tgt Ion: 59 Resp: 457
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.38 ug/l

RT: 2.25 min Scan# 224

Delta R.T. -0.04 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :

MSVOA_X

ClientSampled :

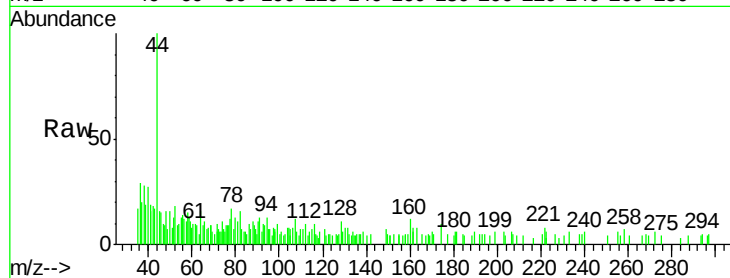
VX0302WBL01

Tgt Ion: 56 Resp: 253

Ion Ratio Lower Upper

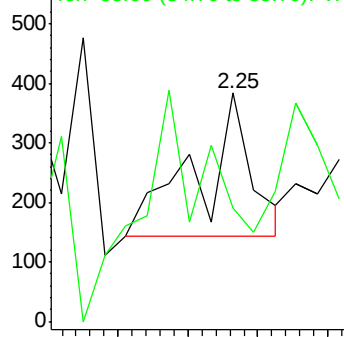
56 100

55 73.1 55.0 82.4

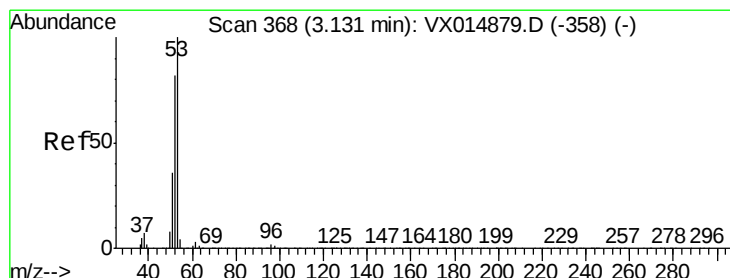
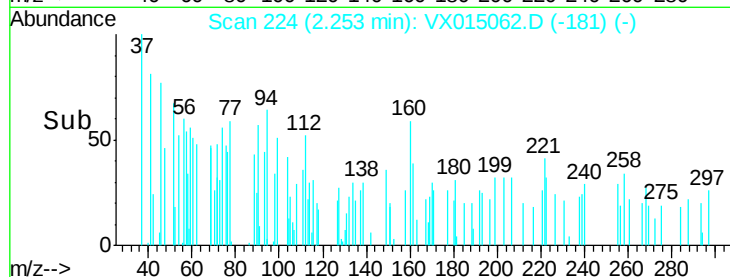


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.45 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

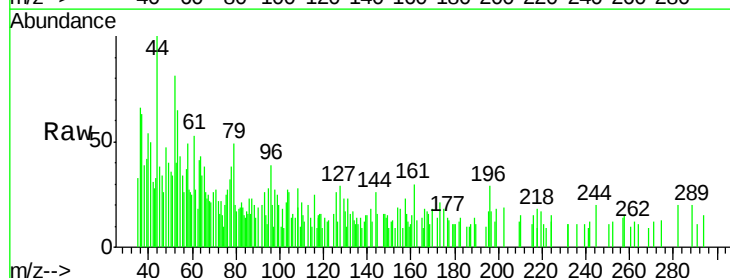
Tgt Ion: 53 Resp: 989

Ion Ratio Lower Upper

53 100

52 72.1 65.8 98.6

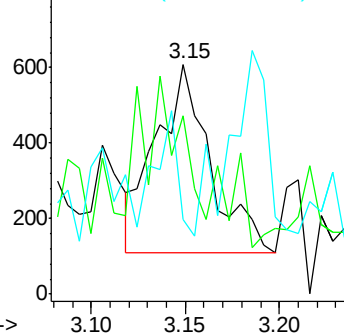
51 38.3 29.1 43.7



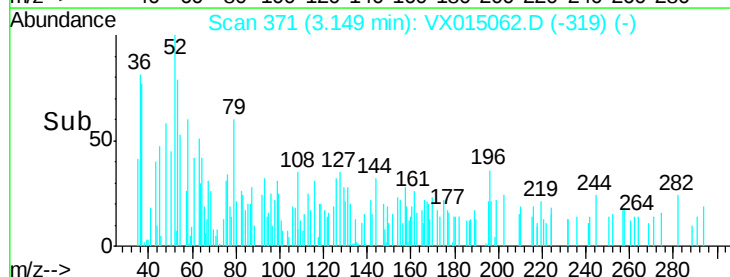
Abundance Ion 53.00 (52.70 to 53.70): VX0

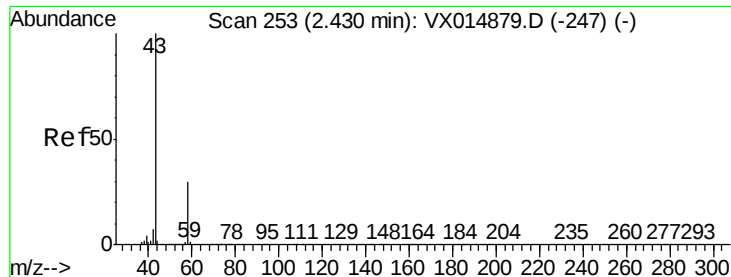
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->

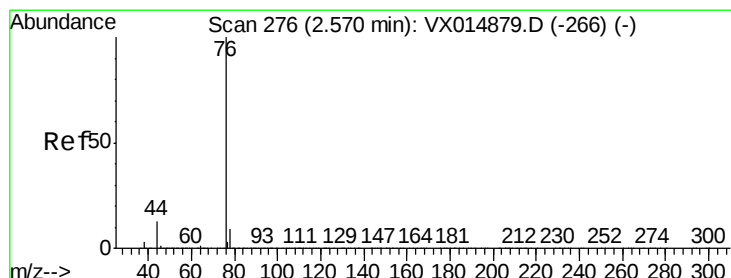
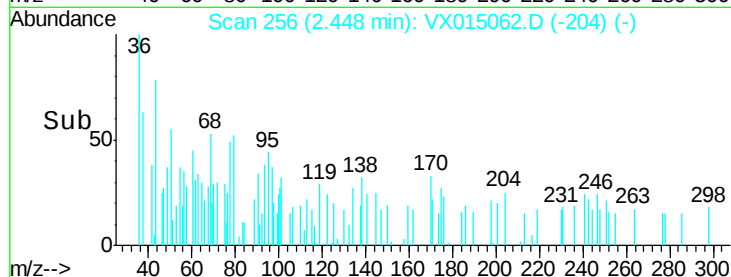
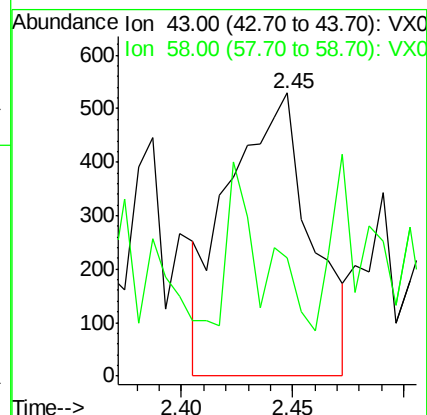
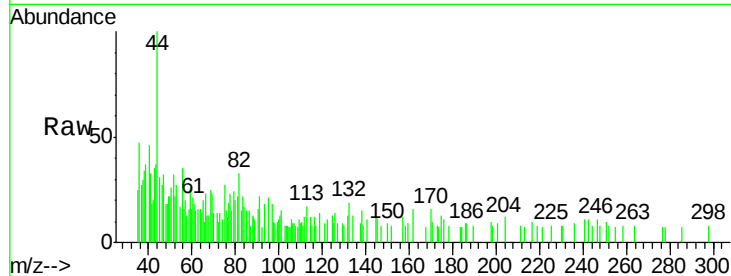




#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 256
Delta R.T. 0.02 min
Lab File: VX015062.D
Acq: 02 Mar 2020 10:16

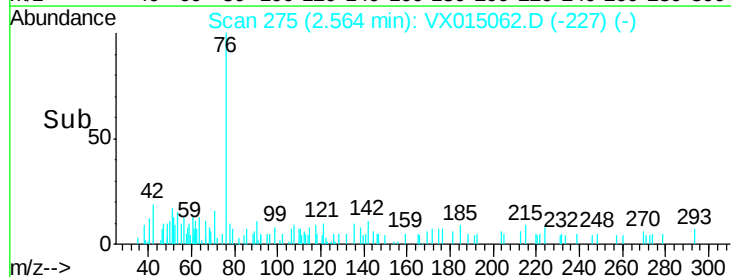
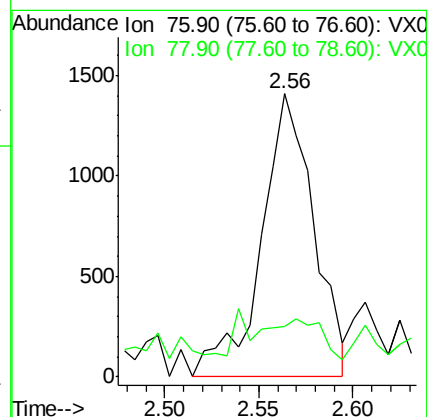
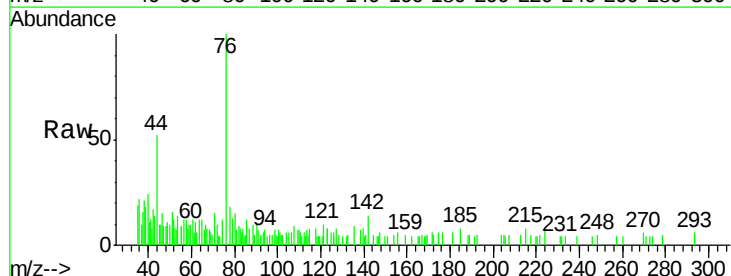
Instrument :
MSVOA_X
ClientSampled :
VX0302WBL01

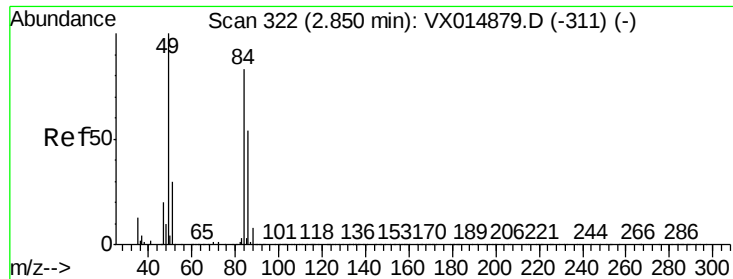
Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
58 33.2 24.1 36.1



#17
Carbon Disulfide
Concen: 0.24 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.01 min
Lab File: VX015062.D
Acq: 02 Mar 2020 10:16

Tgt Ion: 76 Resp: 2718
Ion Ratio Lower Upper
76 100
78 13.0 7.4 11.0#





#20

Methylene Chloride

Concen: 0.21 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

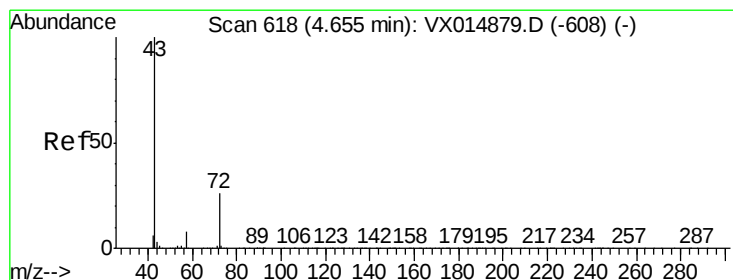
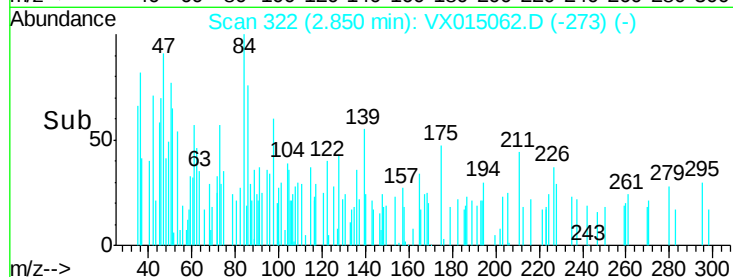
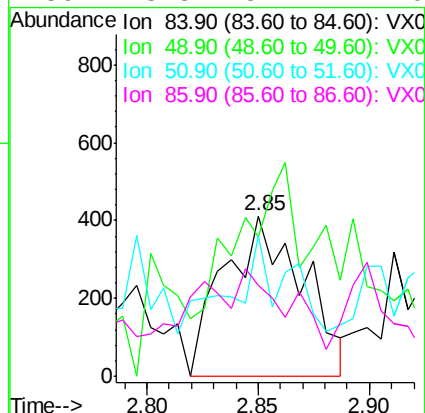
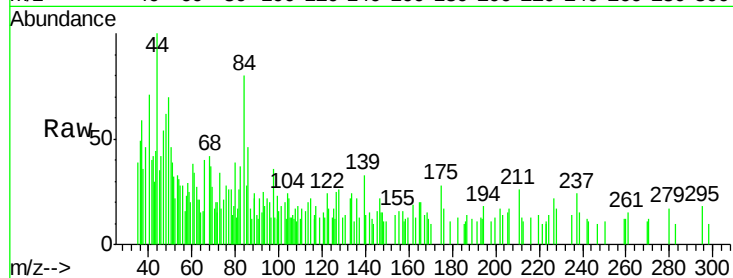
Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX0302WBL01

Tgt Ion: 84 Resp: 1014

Ion	Ratio	Lower	Upper
84	100		
49	51.0	95.6	143.4#
51	55.8	29.0	43.6#
86	23.3	51.4	77.0#



#25

2-Butanone

Concen: 0.20 ug/l

RT: 4.66 min Scan# 619

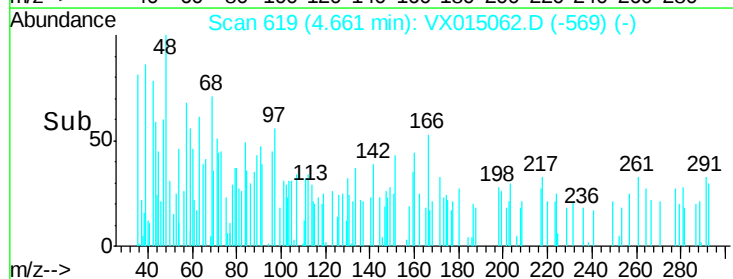
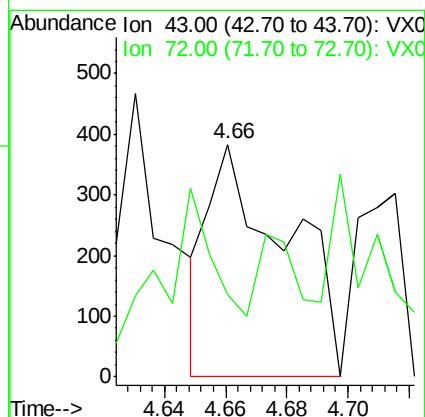
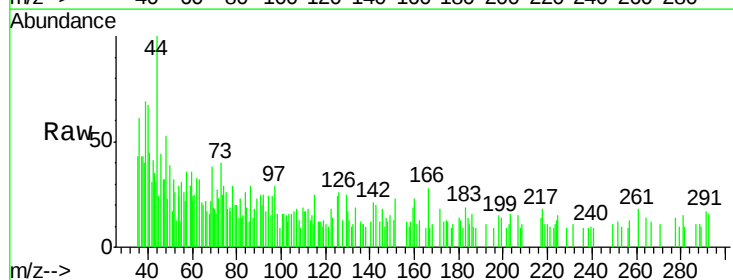
Delta R.T. 0.01 min

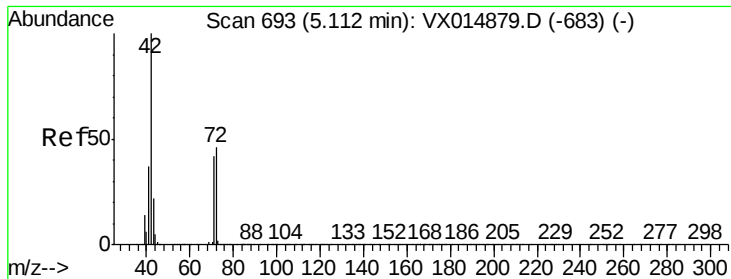
Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Tgt Ion: 43 Resp: 680

Ion	Ratio	Lower	Upper
43	100		
72	15.9	21.0	31.6#





#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX0302WBL01

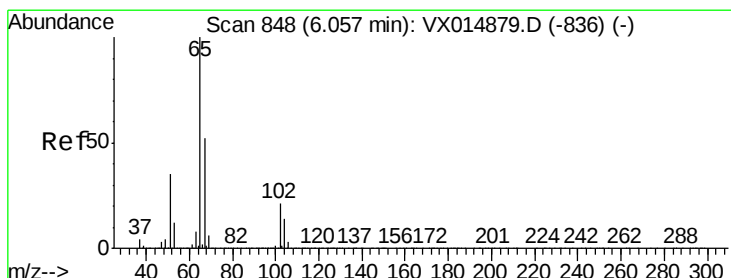
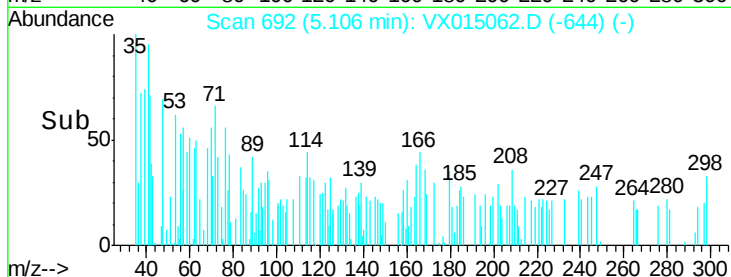
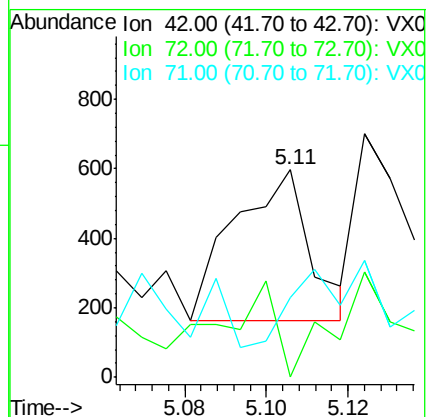
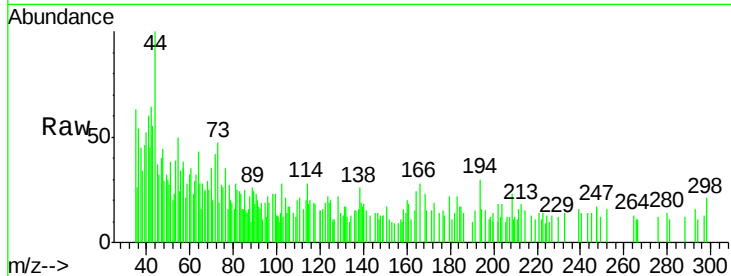
Tgt Ion: 42 Resp: 558

Ion Ratio Lower Upper

42 100

72 47.3 36.9 55.3

71 0.0 34.1 51.1#



#33

1,2-Dichloroethane-d4

Concen: 50.36 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX015062.D

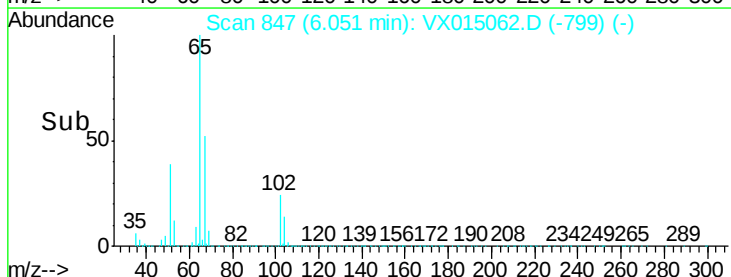
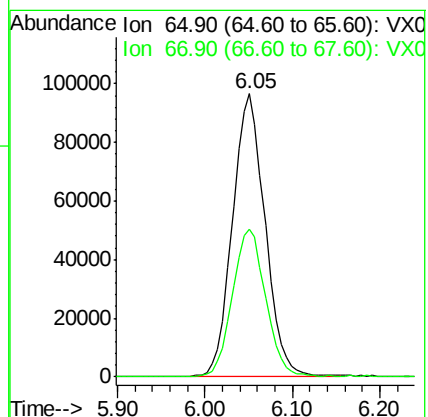
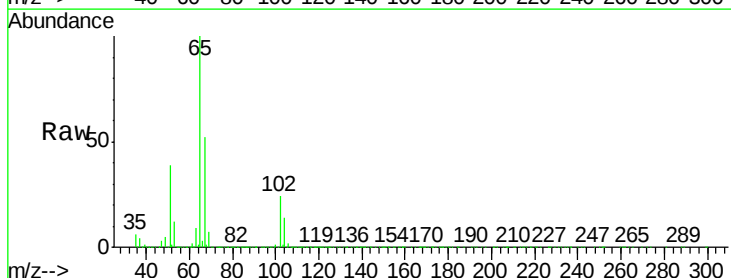
Acq: 02 Mar 2020 10:16

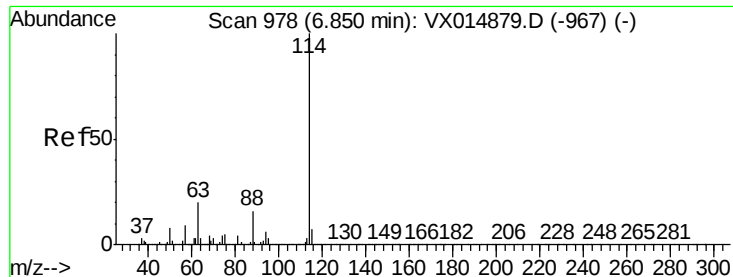
Tgt Ion: 65 Resp: 248774

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX0302WBL01

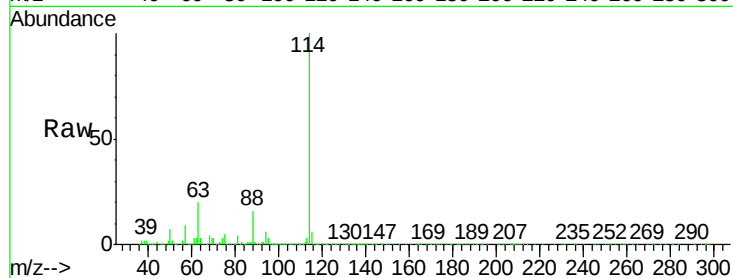
Tgt Ion:114 Resp: 693390

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

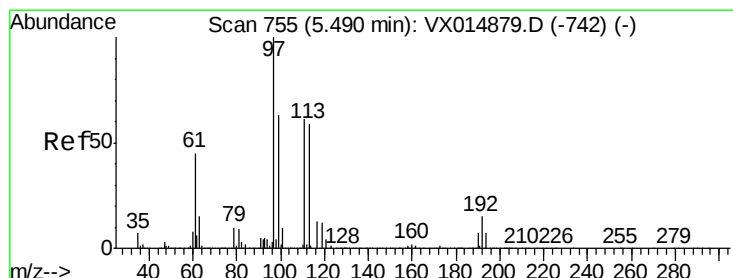
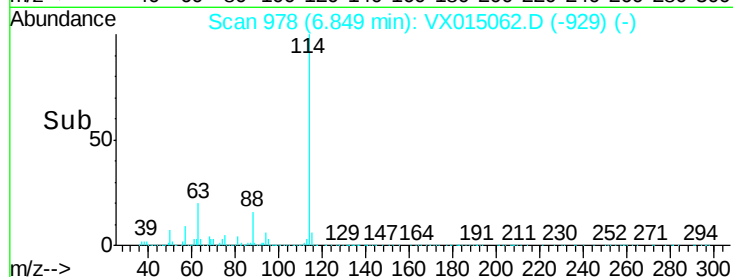
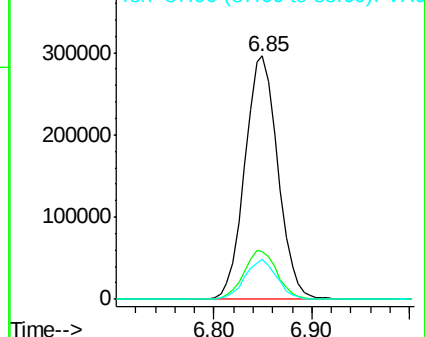
88 16.2 0.0 32.0



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: 50.22 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

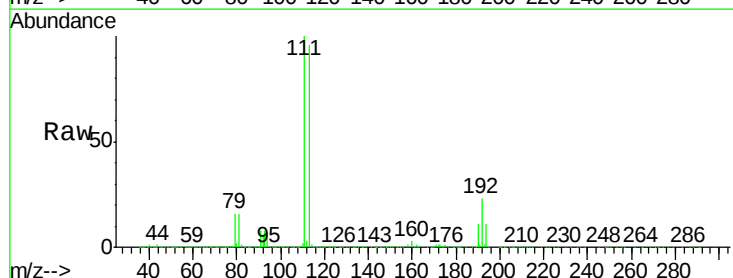
Tgt Ion:113 Resp: 214087

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

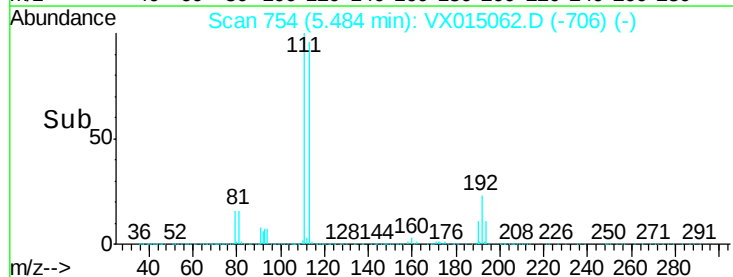
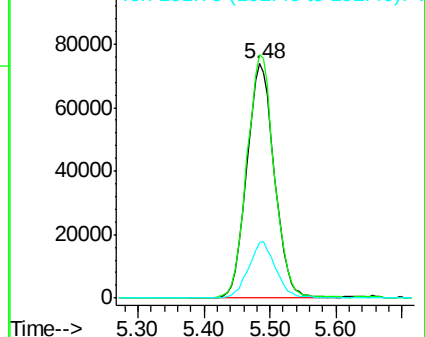
192 23.7 19.1 28.7

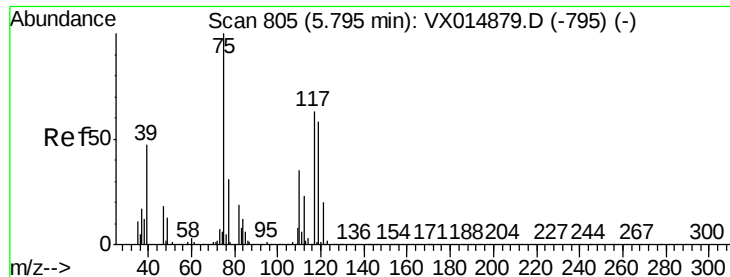


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

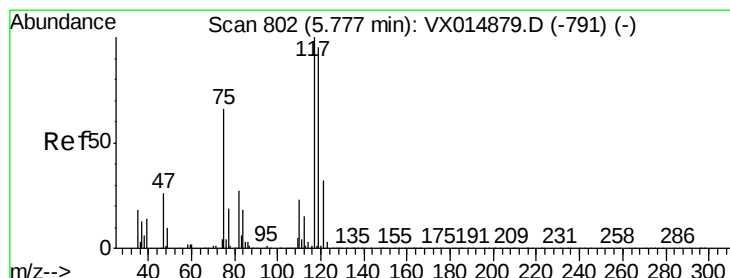
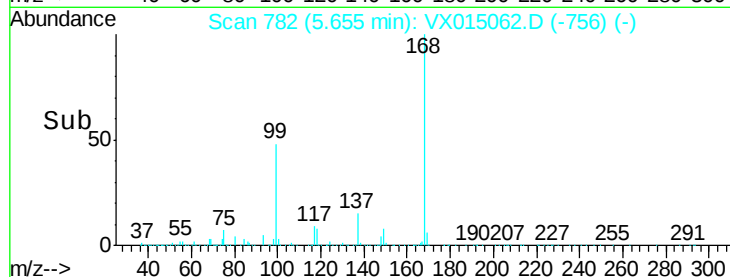
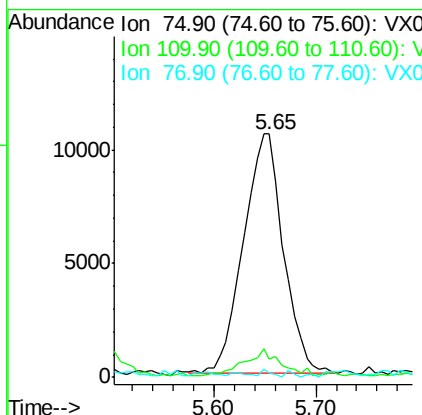
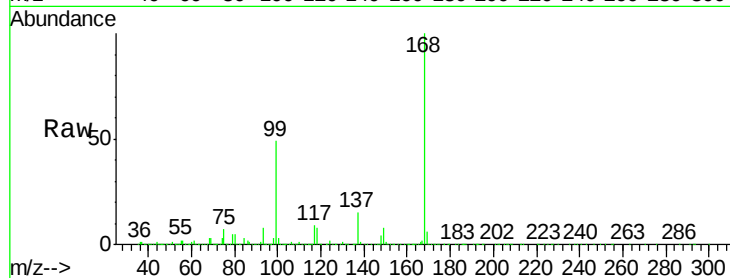




#36
 1,1-Dichloropropene
 Concen: 4.64 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015062.D
 Acq: 02 Mar 2020 10:16

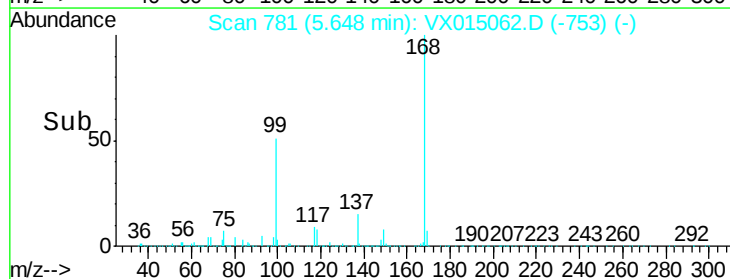
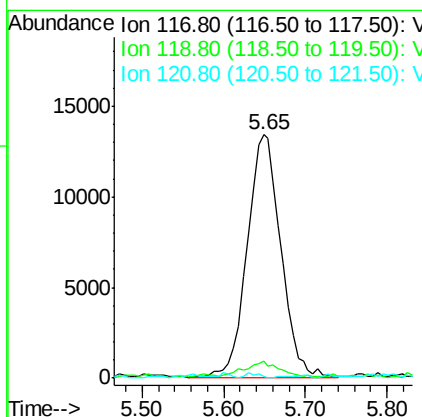
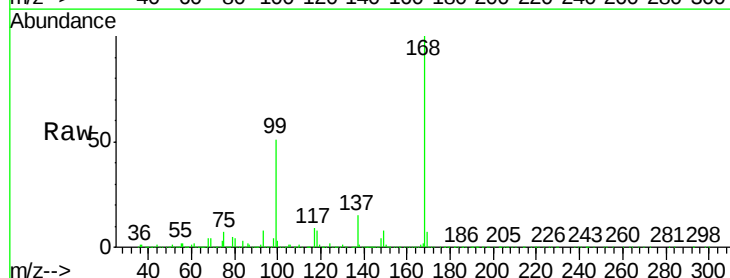
Instrument :
 MSVOA_X
 ClientSampled :
 VX0302WBL01

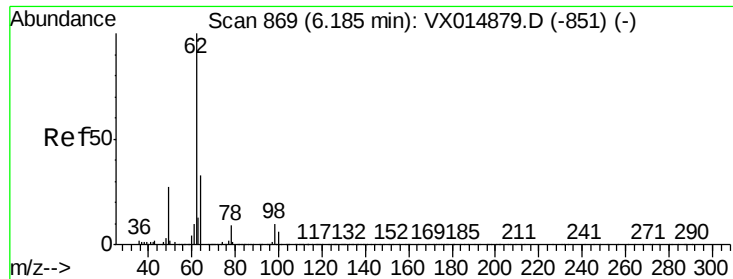
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.3	54.8#
77	1.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.43 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015062.D
 Acq: 02 Mar 2020 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.0	114.0#
121	0.4	25.4	38.2#





#42

1,2-Dichloroethane

Concen: 0.23 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

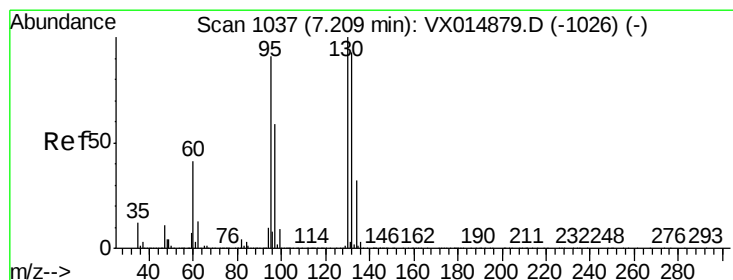
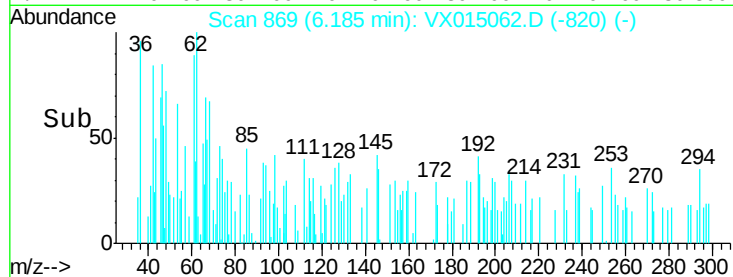
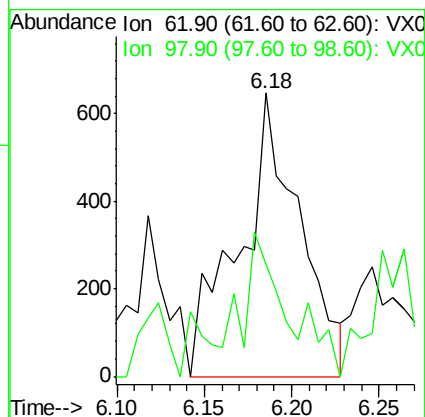
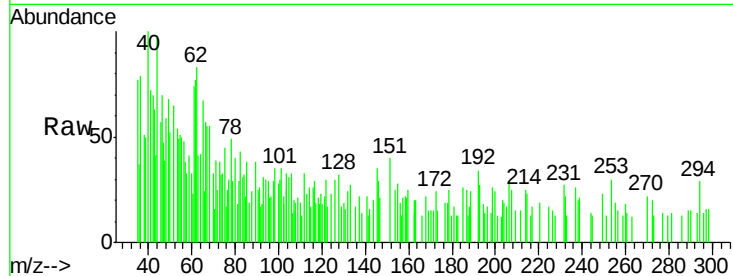
VX0302WBL01

Tgt Ion: 62 Resp: 1549

Ion Ratio Lower Upper

62 100

98 24.9 0.0 19.2#



#44

Trichloroethene

Concen: 0.20 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015062.D

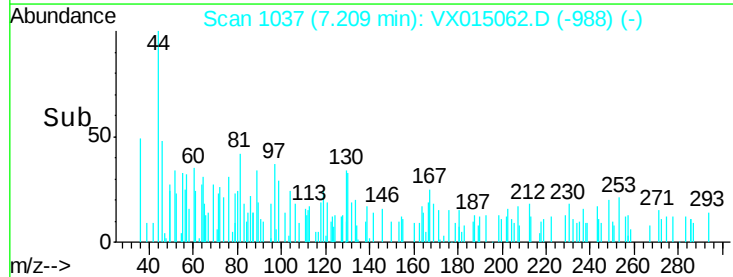
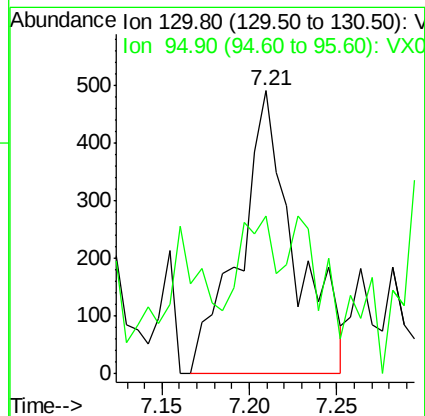
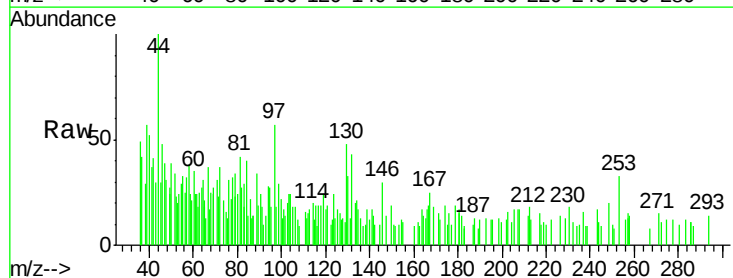
Acq: 02 Mar 2020 10:16

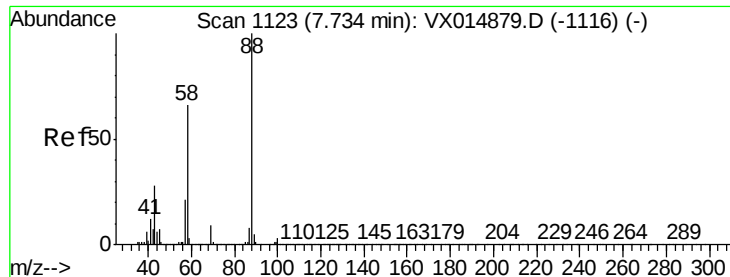
Tgt Ion: 130 Resp: 1078

Ion Ratio Lower Upper

130 100

95 43.6 0.0 182.6





#49

1,4-Dioxane

Concen: 4.11 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX0302WBL01

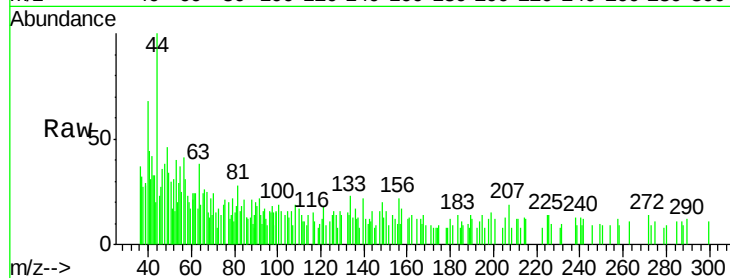
Tgt Ion: 88 Resp: 404

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

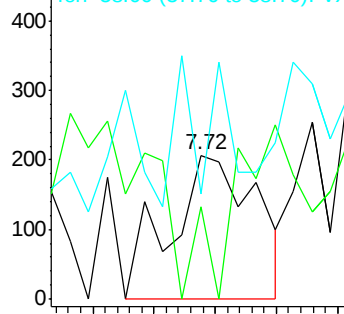
58 34.2 53.2 79.8#



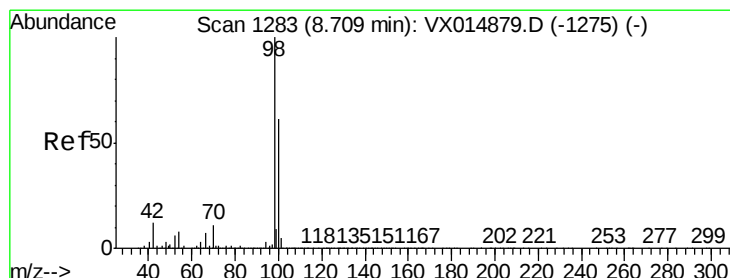
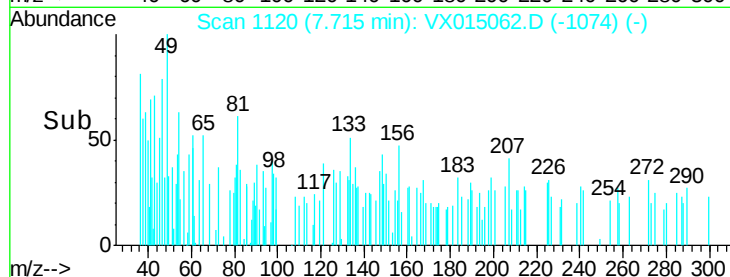
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 51.14 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015062.D

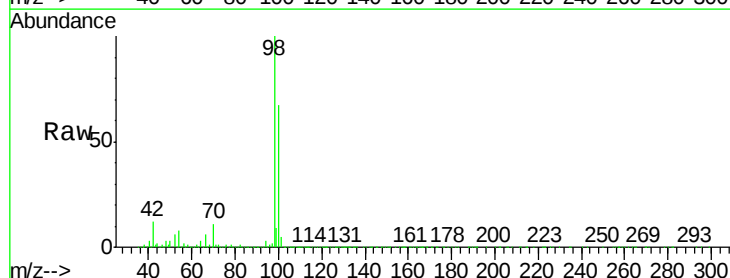
Acq: 02 Mar 2020 10:16

Tgt Ion: 98 Resp: 832102

Ion Ratio Lower Upper

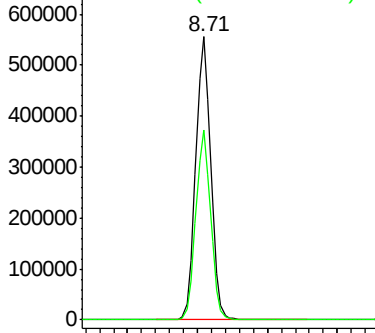
98 100

100 66.3 52.4 78.6

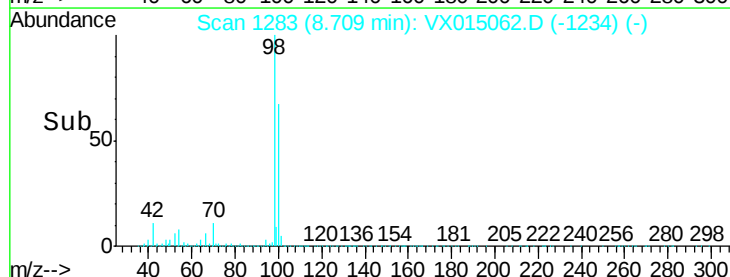


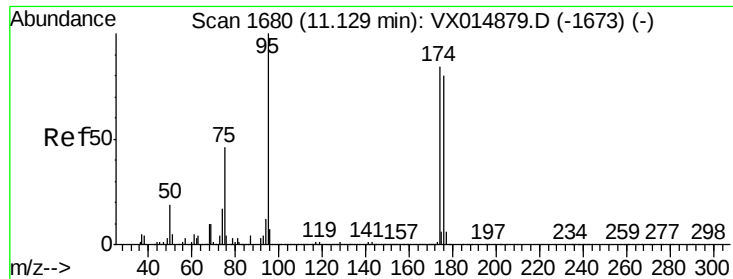
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->

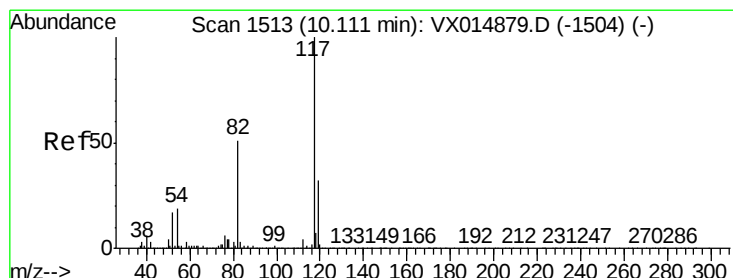
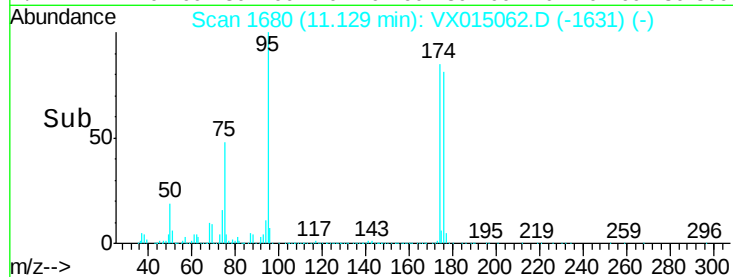
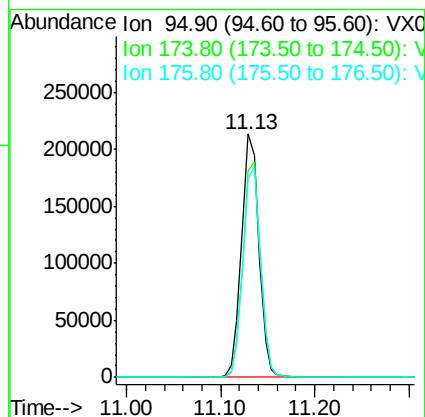
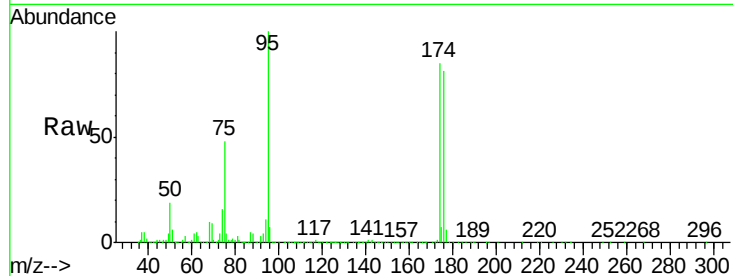




#62
4-Bromofluorobenzene
Concen: 47.06 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015062.D
Acq: 02 Mar 2020 10:16

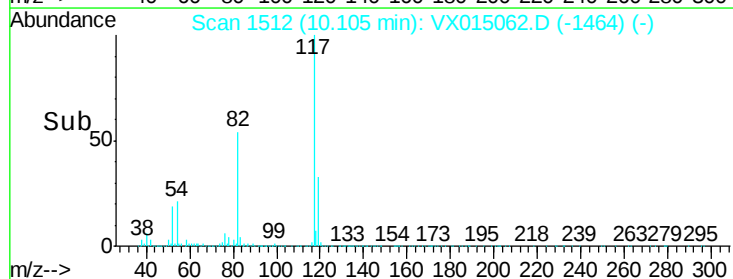
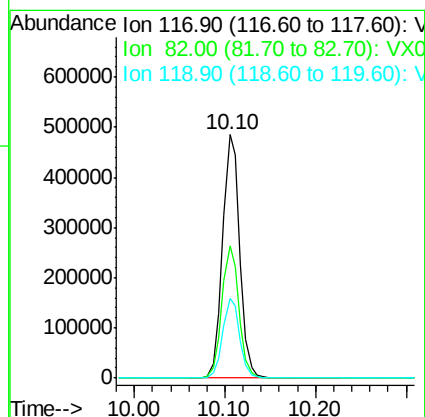
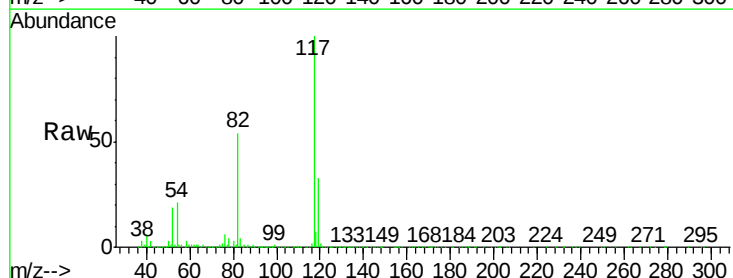
Instrument :
MSVOA_X
ClientSampleId :
VX0302WBL01

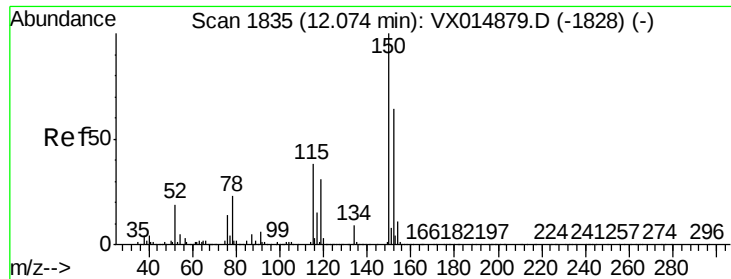
Tgt Ion: 95 Resp: 275864
Ion Ratio Lower Upper
95 100
174 90.4 0.0 183.0
176 87.4 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015062.D
Acq: 02 Mar 2020 10:16

Tgt Ion: 117 Resp: 644210
Ion Ratio Lower Upper
117 100
82 54.2 40.5 60.7
119 32.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX0302WBL01

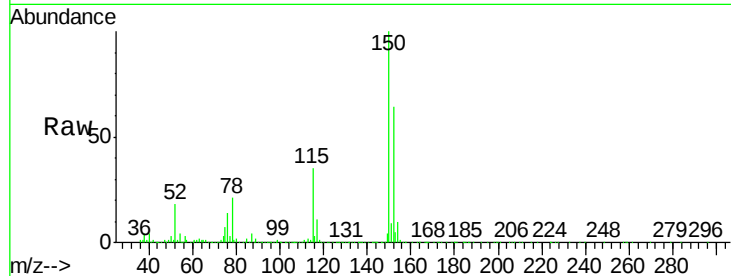
Tgt Ion: 152 Resp: 308973

Ion Ratio Lower Upper

152 100

115 55.3 38.6 116.0

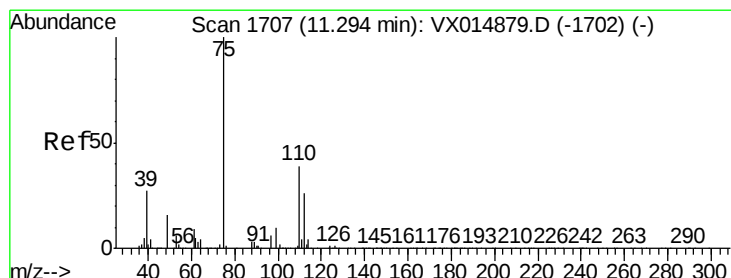
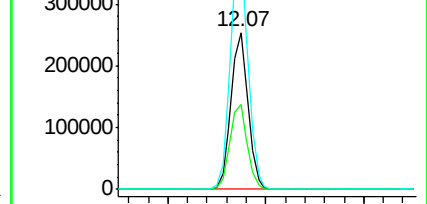
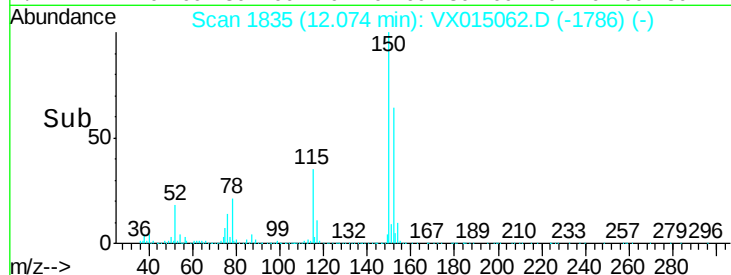
150 155.9 0.0 349.0



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: 23.51 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015062.D

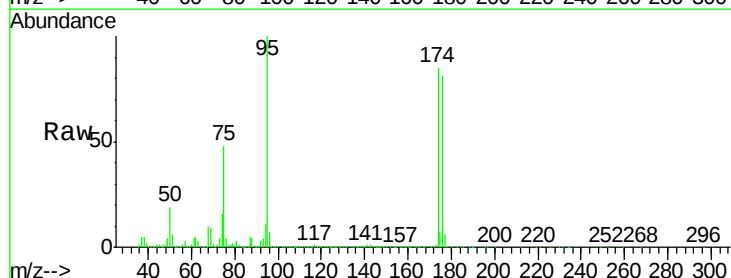
Acq: 02 Mar 2020 10:16

Tgt Ion: 75 Resp: 131349

Ion Ratio Lower Upper

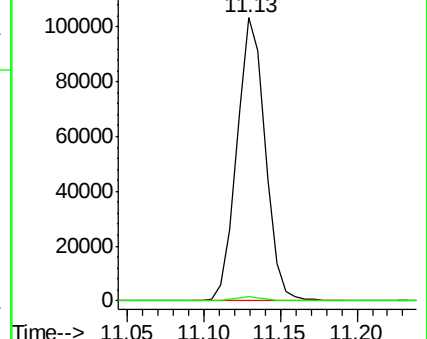
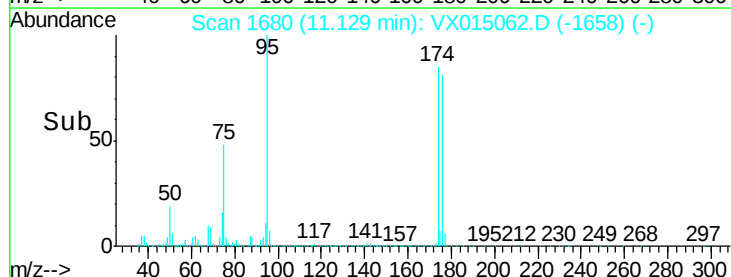
75 100

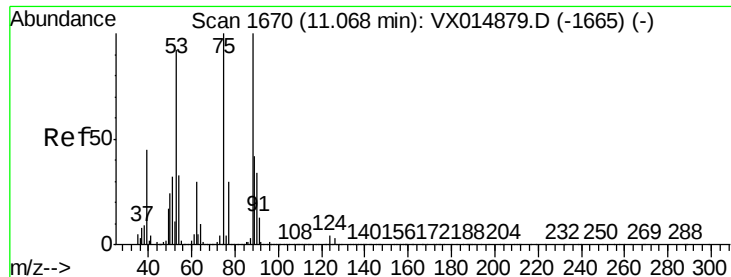
77 1.7 18.4 55.0#



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: 60.18 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX0302WBL01

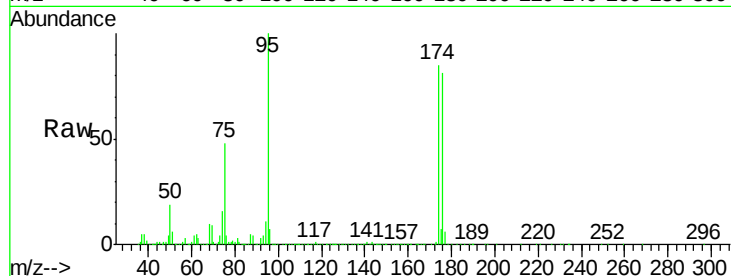
Tgt Ion: 75 Resp: 131349

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

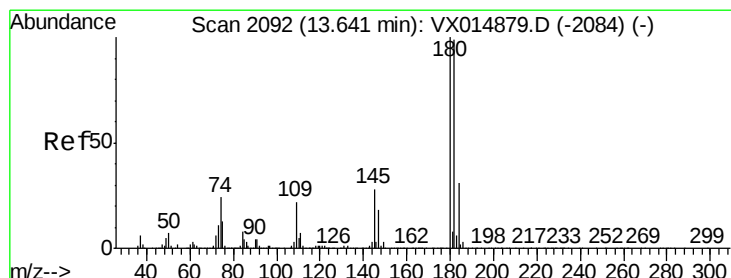
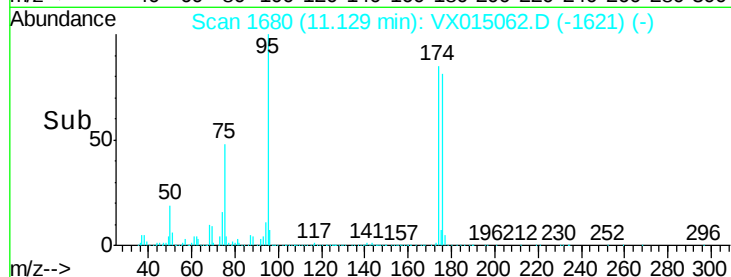
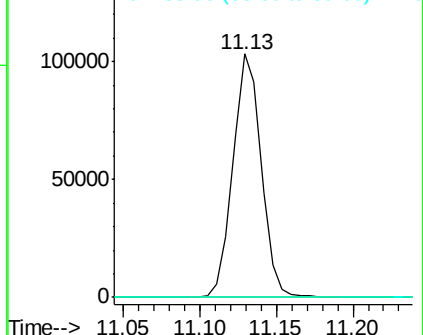
89 0.3 35.8 53.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.31 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

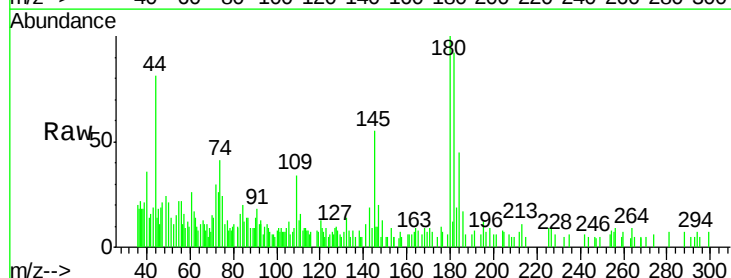
Tgt Ion: 180 Resp: 2198

Ion Ratio Lower Upper

180 100

182 79.7 48.4 145.3

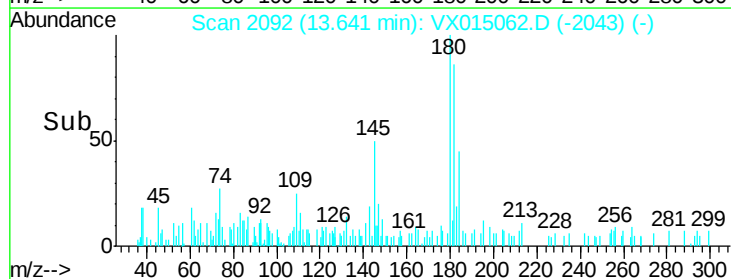
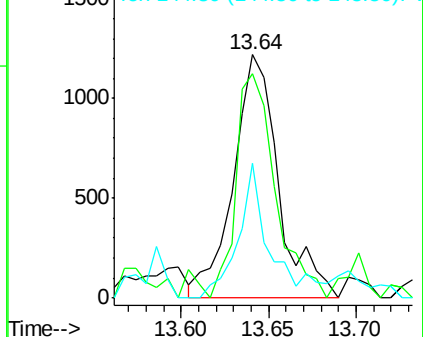
145 39.3 14.1 42.4

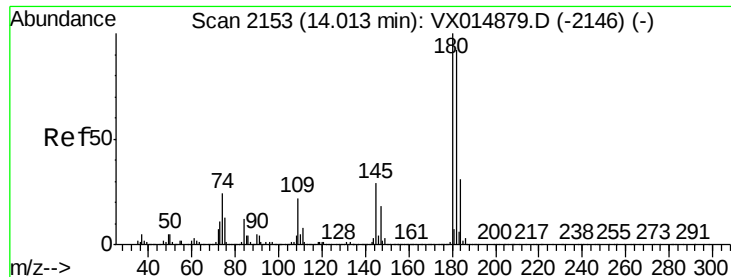


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#96

1,2,3-Trichlorobenzene

Concen: 0.31 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX015062.D

Acq: 02 Mar 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX0302WBL01

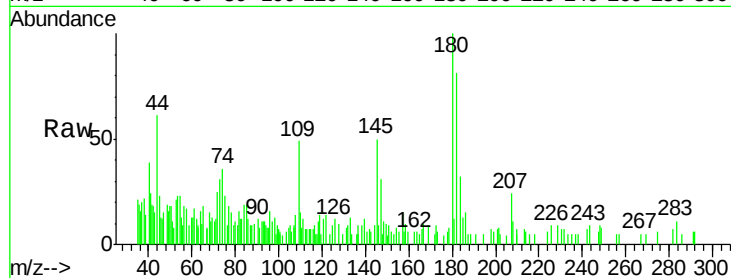
Tgt Ion:180 Resp: 2074

Ion Ratio Lower Upper

180 100

182 80.4 47.5 142.6

145 36.1 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

