

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112919\
 Data File : VX013693.D
 Acq On : 29 Nov 2019 11:55
 Operator : JC/SP
 Sample : VX1129WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1129WBL01

Quant Time: Nov 29 22:26:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	703871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1092680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	964905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	431617	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	394703	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	5.48	113	319638	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	8.71	98	1291073	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.13	95	429090	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	

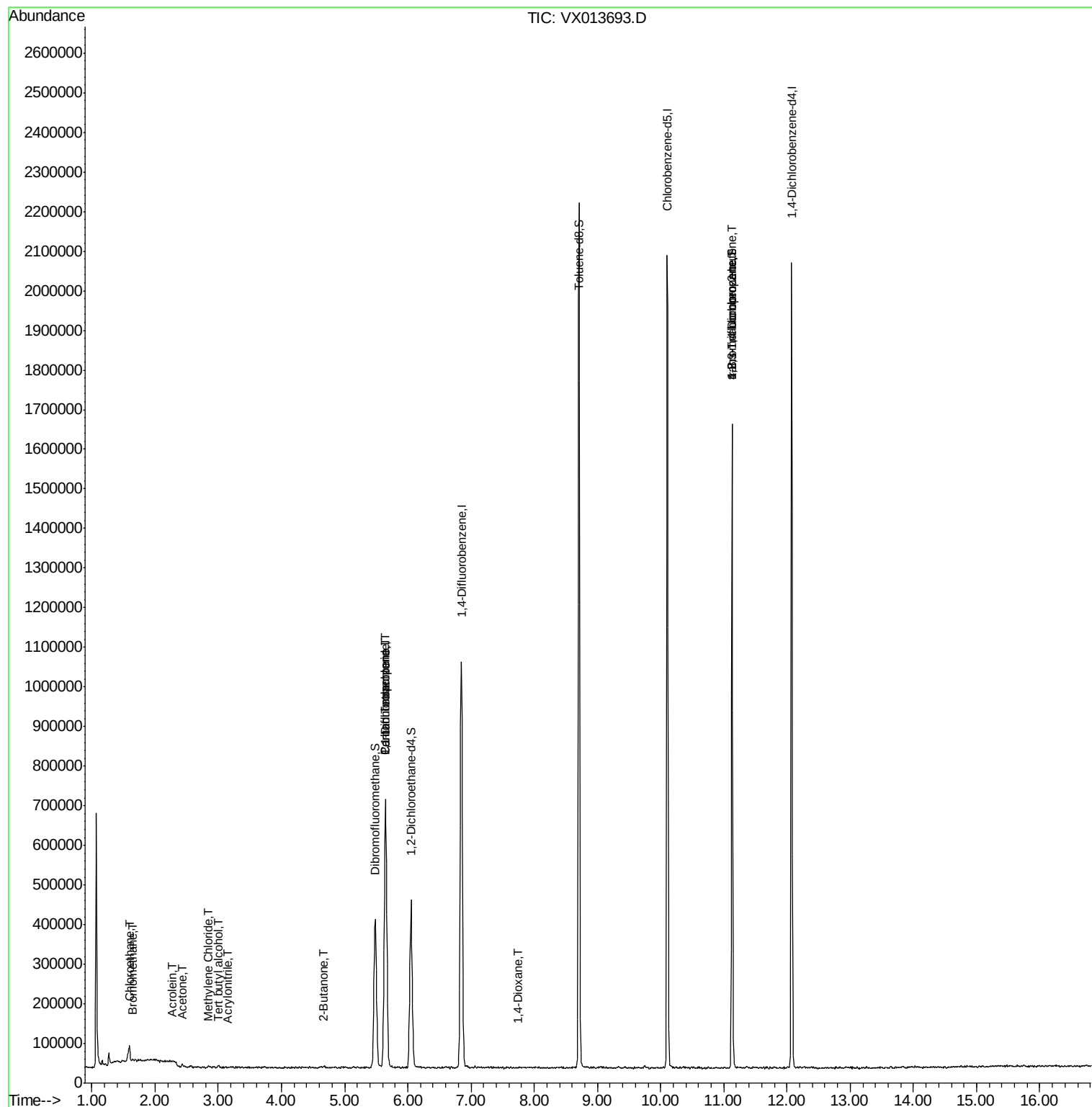
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1948	0.293	ug/l	89
6) Chloroethane	1.60	64	1378	0.245	ug/l	91
11) Tert butyl alcohol	3.00	59	3747	1.858	ug/l	98
13) Acrolein	2.27	56	426	6.312	ug/l #	72
15) Acrylonitrile	3.14	53	908	0.218	ug/l #	31
16) Acetone	2.43	43	8640	2.142	ug/l #	87
20) Methylene Chloride	2.84	84	3125	0.403	ug/l #	55
25) 2-Butanone	4.67	43	1981	0.330	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	46321	4.670	ug/l #	50
38) Carbon Tetrachloride	5.65	117	63165	6.906	ug/l #	16
49) 1,4-Dioxane	7.74	88	360	1.807	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	211190	21.755	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	211190	59.517	ug/l #	11

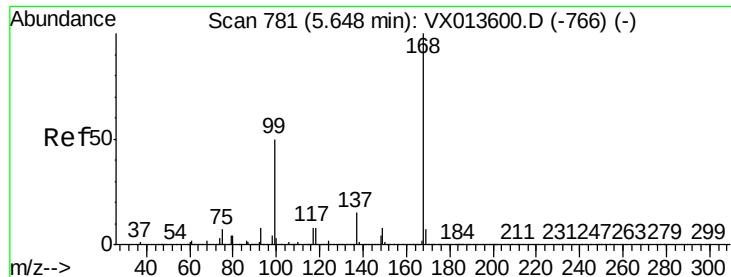
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

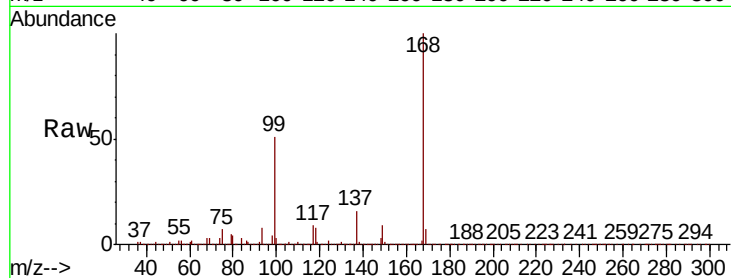
VX1129WBL01

Tot Ion:168 Resp: 703871

Ion Ratio Lower Upper

168 100

99 50.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

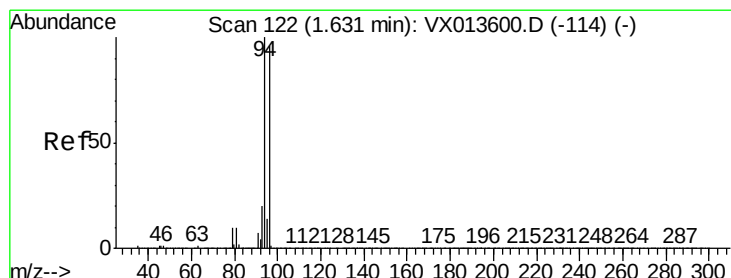
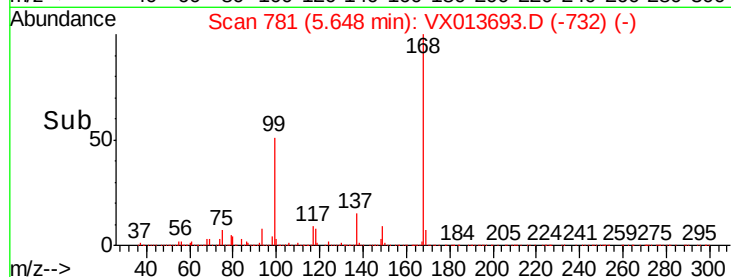
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.293 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013693.D

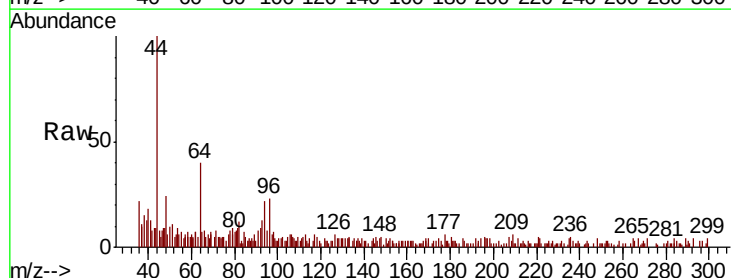
Acq: 29 Nov 2019 11:55

Tgt Ion: 94 Resp: 1948

Ion Ratio Lower Upper

94 100

96 107.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

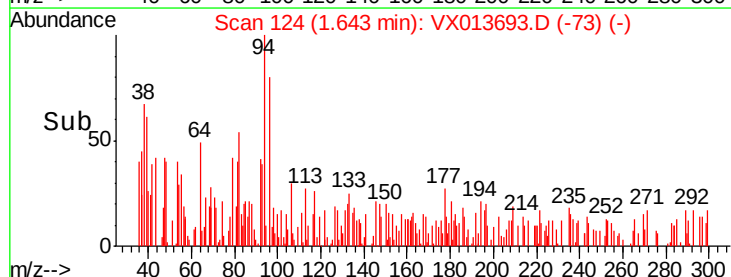
600

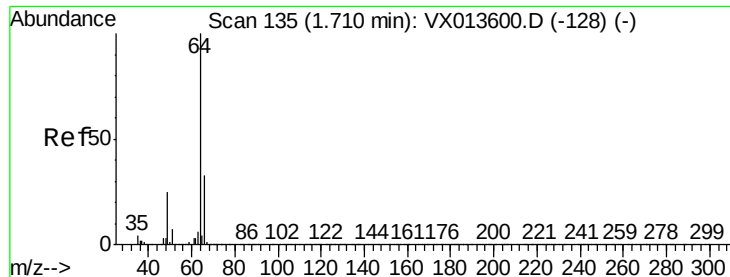
400

200

0

Time-->





#6

Chloroethane

Concen: 0.245 ug/l

RT: 1.60 min Scan# 117

Delta R.T. -0.11 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

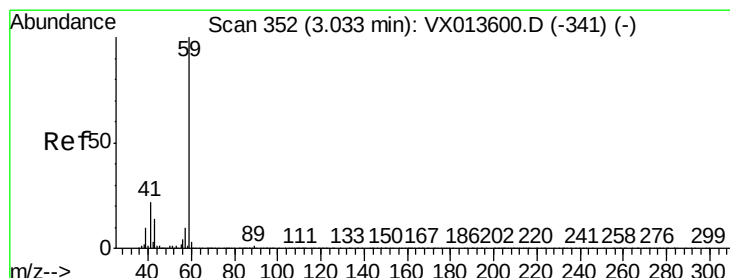
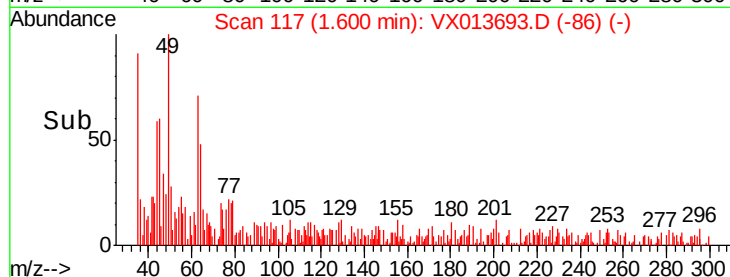
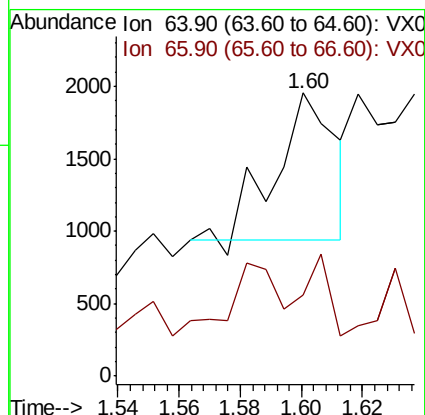
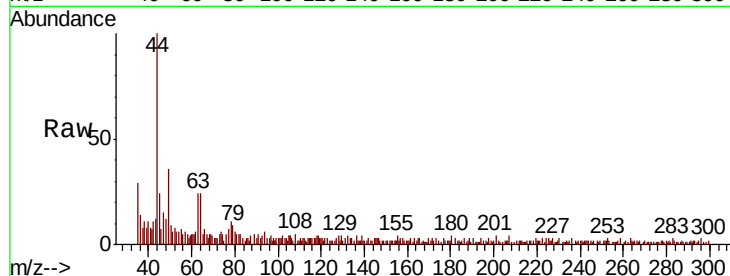
VX1129WBL01

Tot Ion: 64 Resp: 1378

Ion Ratio Lower Upper

64 100

66 28.4 26.7 40.1



#11

Tert butyl alcohol

Concen: 1.858 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.04 min

Lab File: VX013693.D

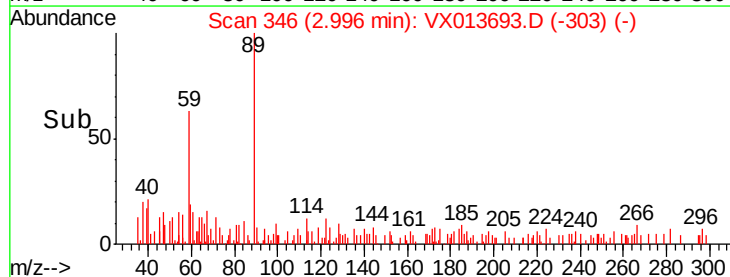
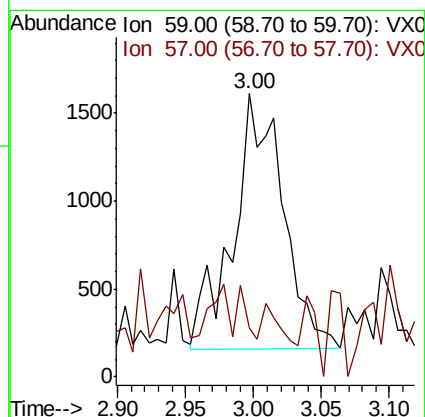
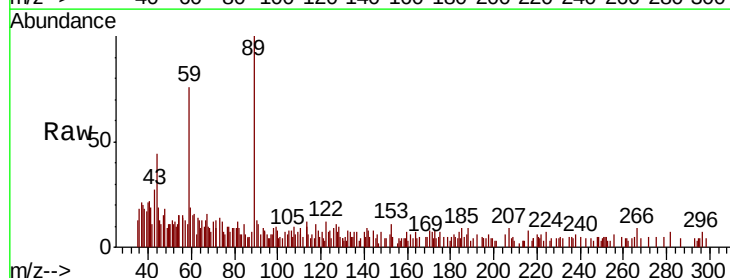
Acq: 29 Nov 2019 11:55

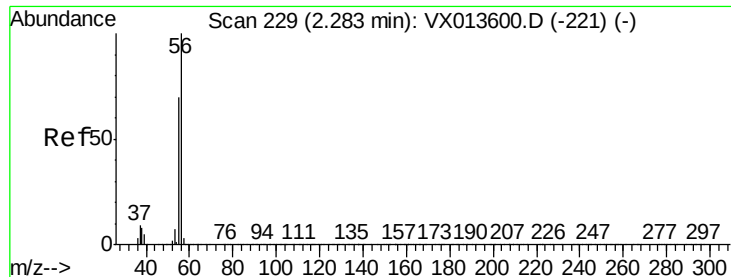
Tgt Ion: 59 Resp: 3747

Ion Ratio Lower Upper

59 100

57 10.6 7.8 11.6





#13

Acrolein

Concen: 6.312 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

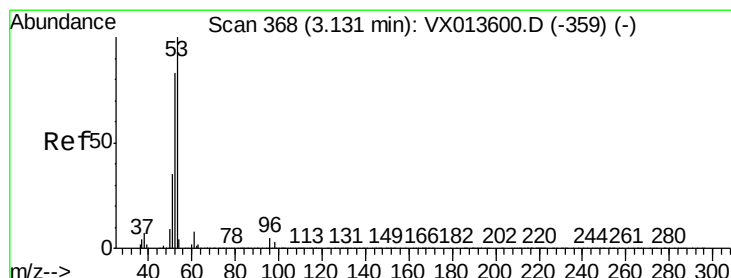
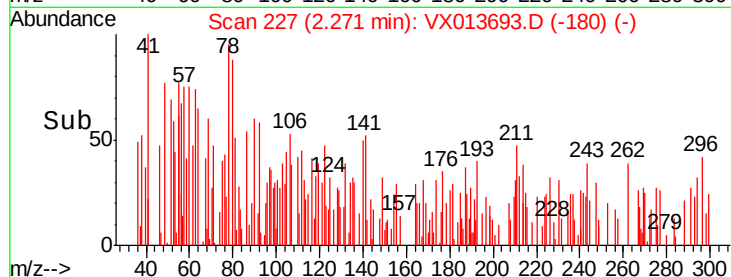
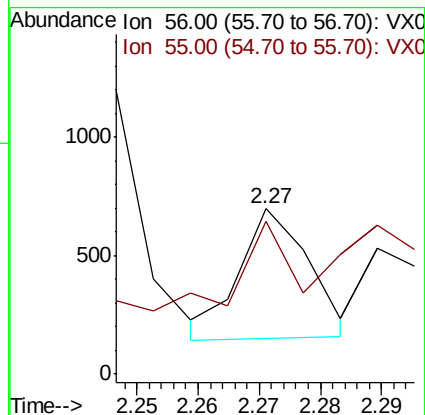
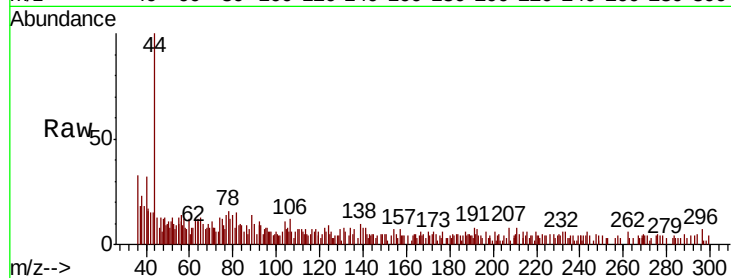
VX1129WBL01

Tot Ion: 56 Resp: 426

Ion Ratio Lower Upper

56 100

55 47.4 56.2 84.4#



#15

Acrylonitrile

Concen: 0.218 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

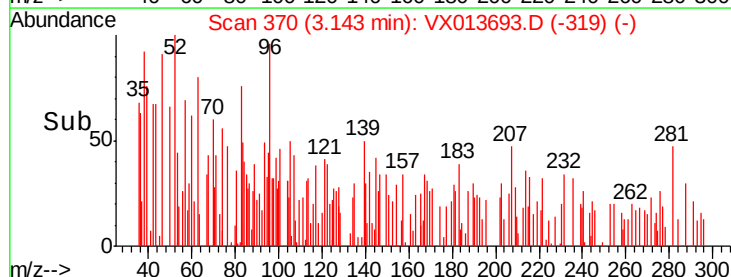
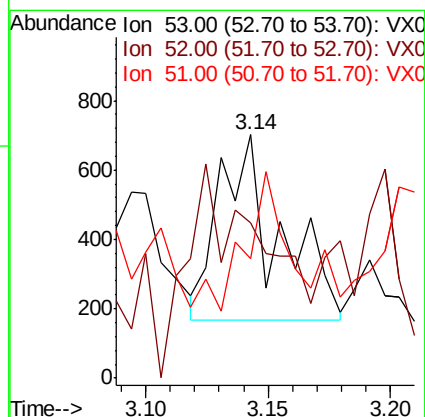
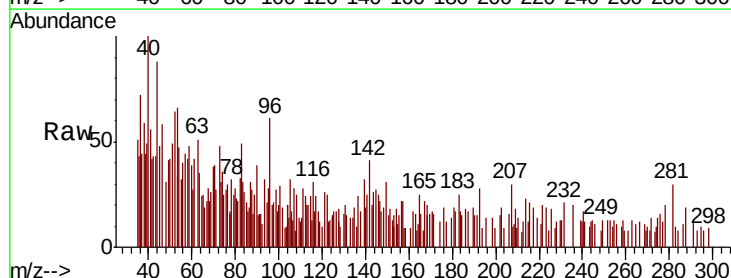
Tgt Ion: 53 Resp: 908

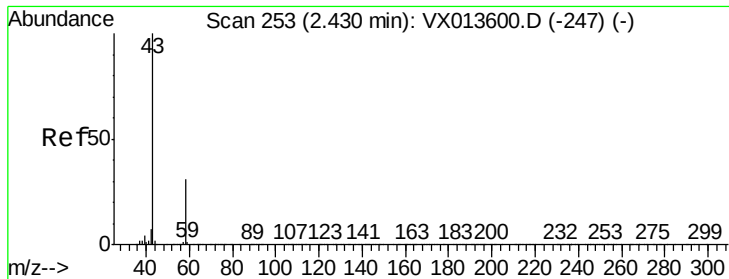
Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 46.9 29.0 43.6#

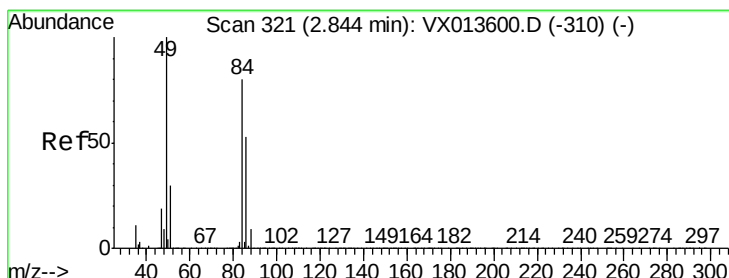
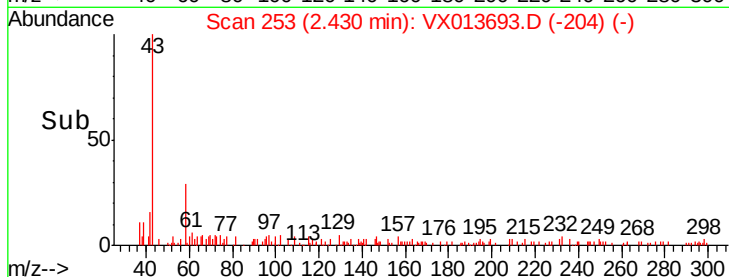
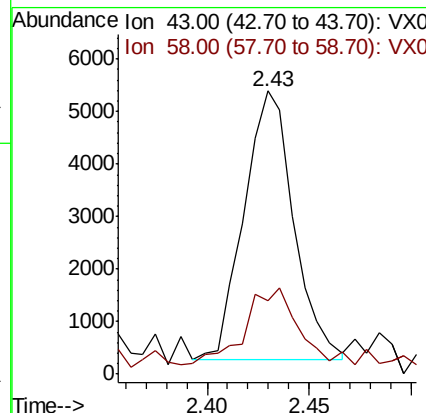
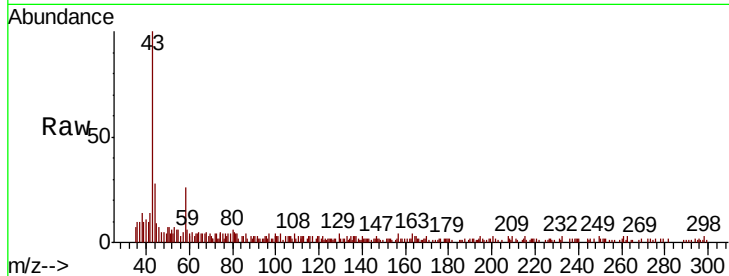




#16
Acetone
Concen: 2.142 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013693.D
Acq: 29 Nov 2019 11:55

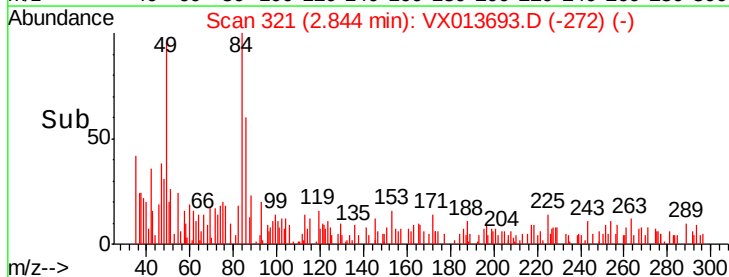
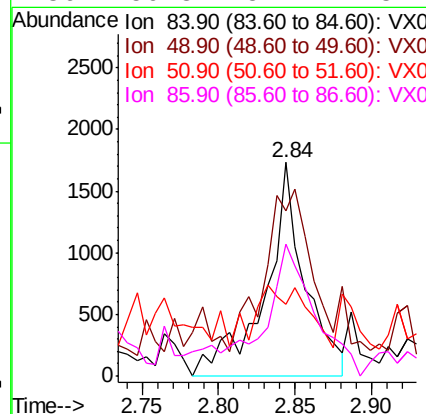
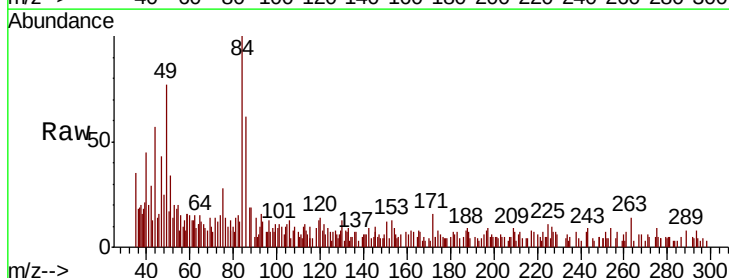
Instrument :
MSVOA_X
ClientSampleId :
VX1129WBL01

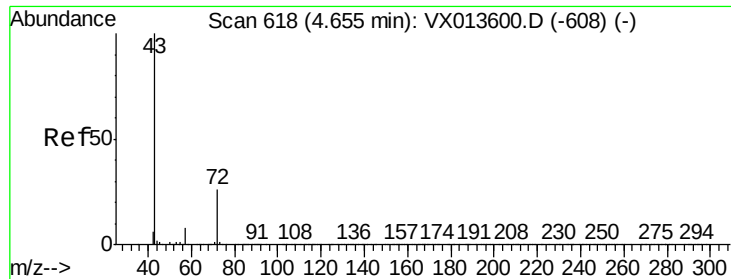
Tot Ion: 43 Resp: 8640
Ion Ratio Lower Upper
43 100
58 23.4 24.6 36.8#



#20
Methylene Chloride
Concen: 0.403 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013693.D
Acq: 29 Nov 2019 11:55

Tgt Ion: 84 Resp: 3125
Ion Ratio Lower Upper
84 100
49 56.9 99.7 149.5#
51 10.7 29.9 44.9#
86 50.3 52.2 78.4#





#25

2-Butanone

Concen: 0.330 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

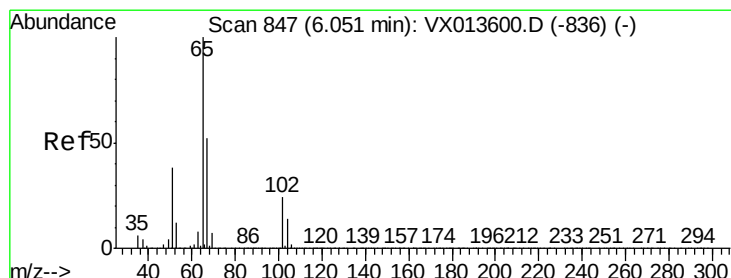
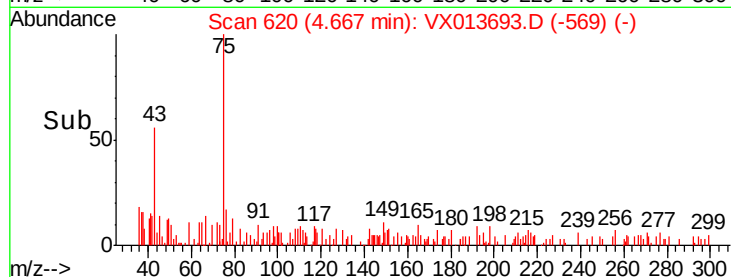
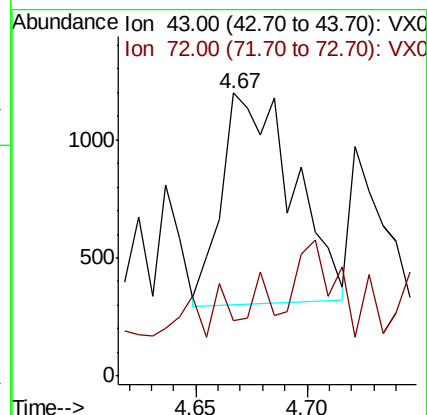
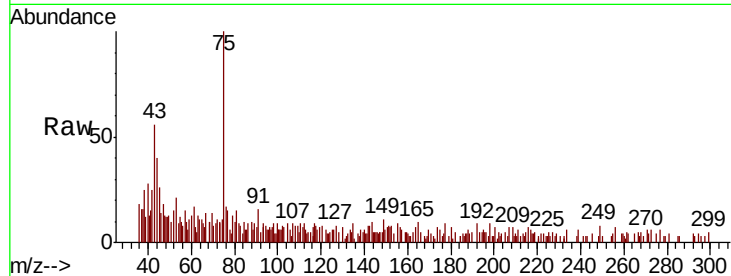
VX1129WBL01

Tot Ion: 43 Resp: 1981

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#33

1,2-Dichloroethane-d4

Concen: 48.309 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013693.D

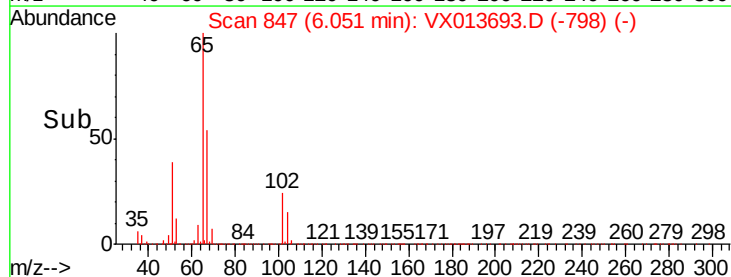
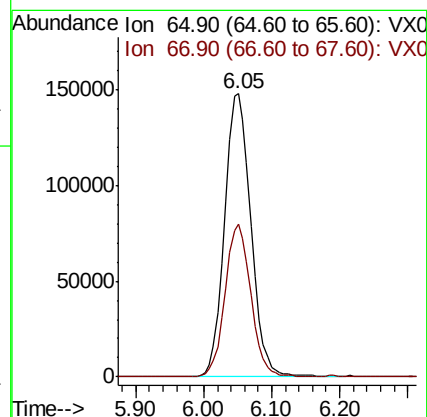
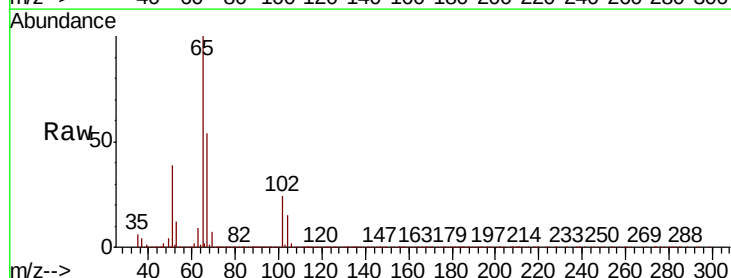
Acq: 29 Nov 2019 11:55

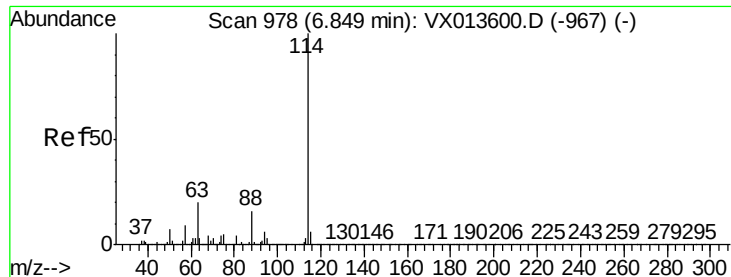
Tgt Ion: 65 Resp: 394703

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.4

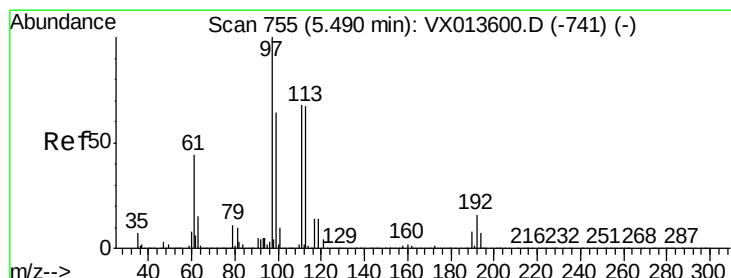
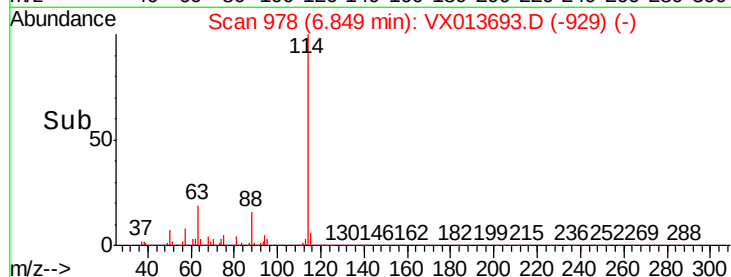
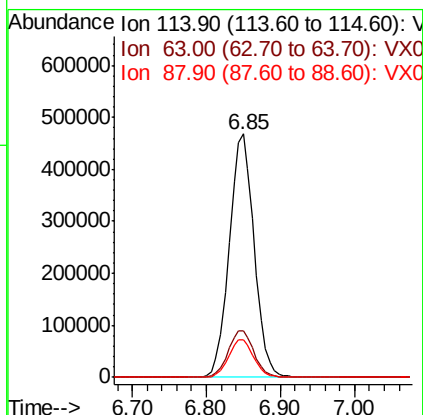
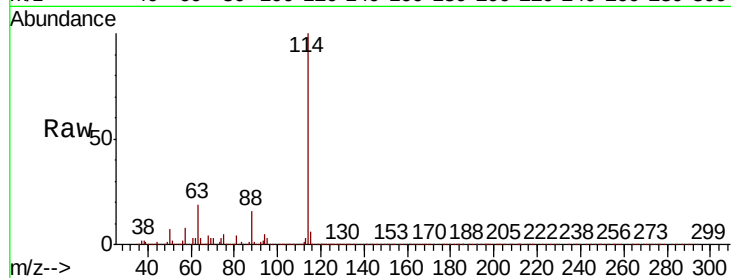




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013693.D
Acq: 29 Nov 2019 11:55

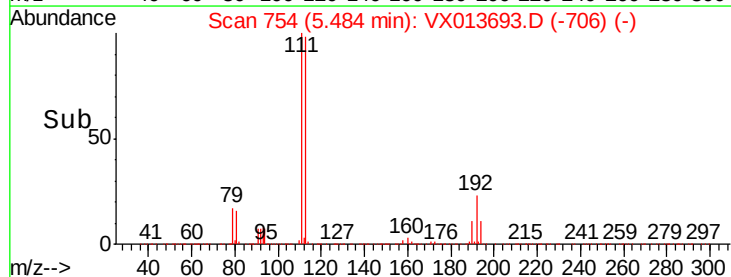
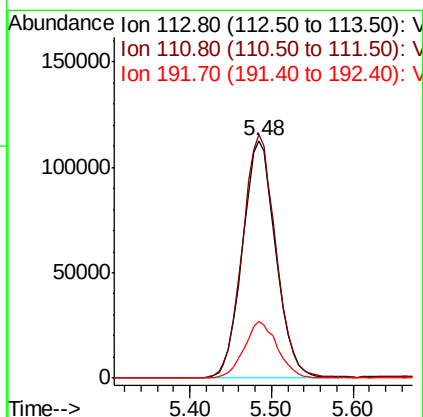
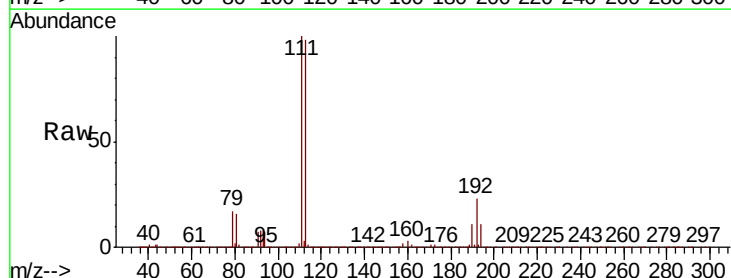
Instrument :
MSVOA_X
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VX1129WBL01

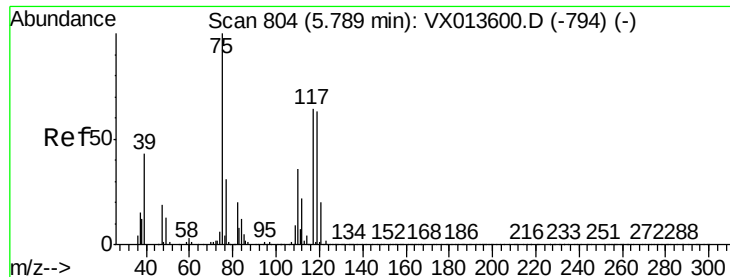
Tot Ion:114 Resp: 1092680
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.6
88 15.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 47.318 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013693.D
Acq: 29 Nov 2019 11:55

Tgt Ion:113 Resp: 319638
Ion Ratio Lower Upper
113 100
111 103.5 83.6 125.4
192 24.0 19.2 28.8





#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX1129WBL01

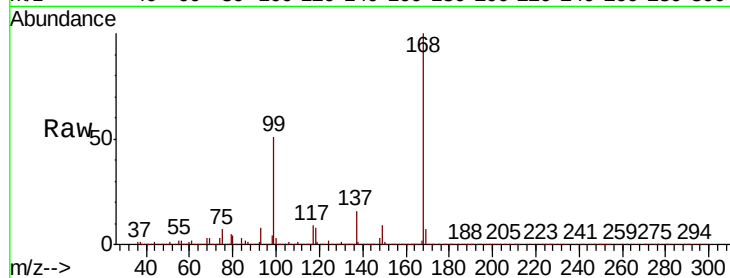
Tot Ion: 75 Resp: 46321

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.1#

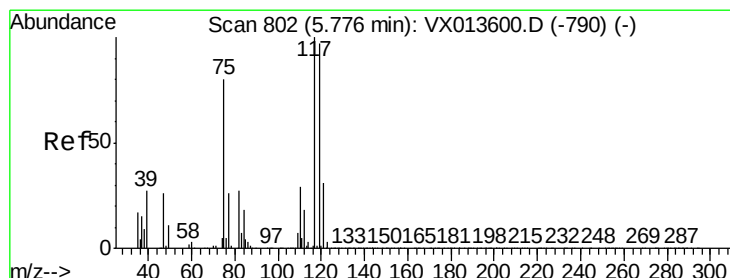
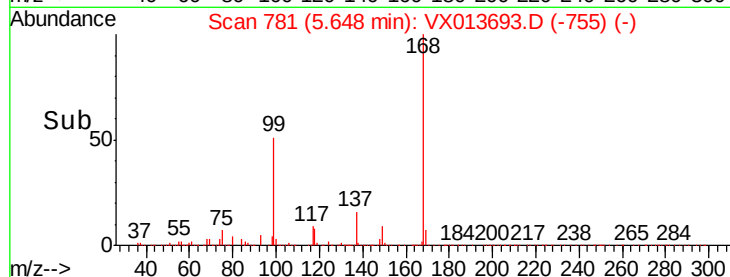
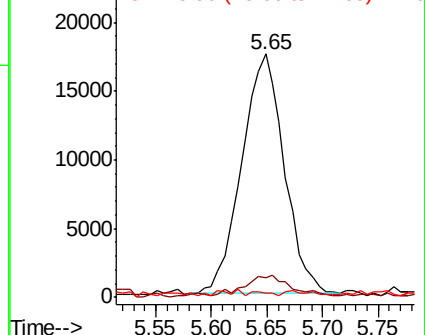
77 0.0 24.5 36.7#



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: 6.906 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

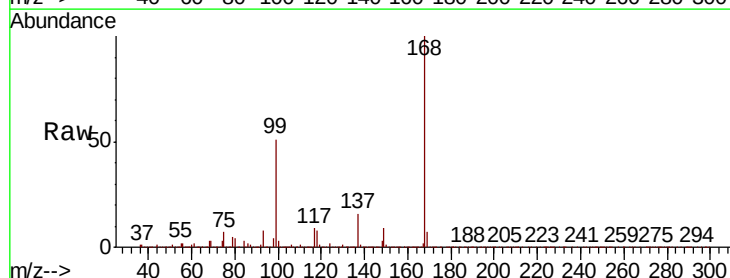
Tgt Ion: 117 Resp: 63165

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

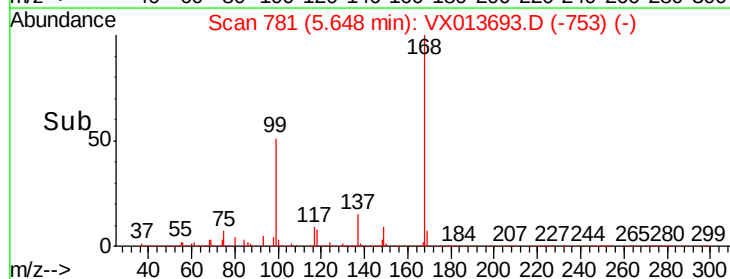
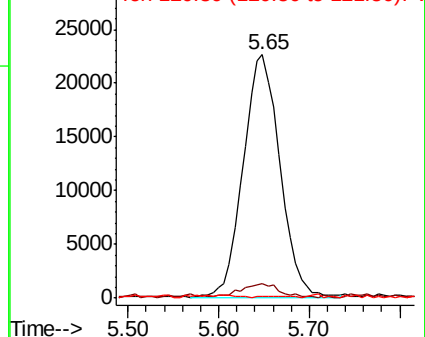
121 0.7 25.0 37.6#

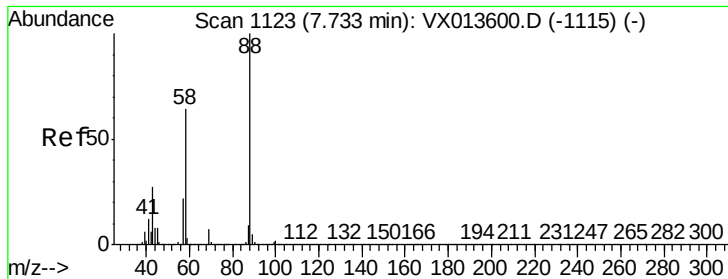


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.807 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX1129WBL01

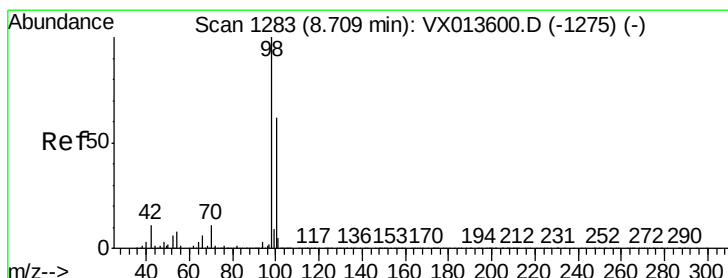
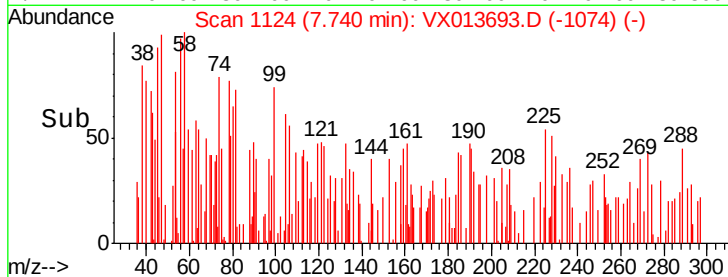
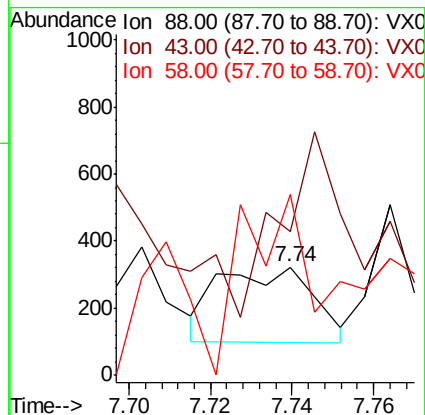
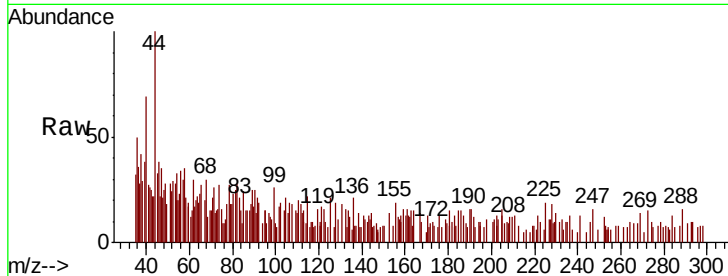
Tot Ion: 88 Resp: 360

Ion Ratio Lower Upper

88 100

43 206.4 25.8 38.6#

58 212.8 54.6 82.0#



#50

Toluene-d8

Concen: 49.056 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013693.D

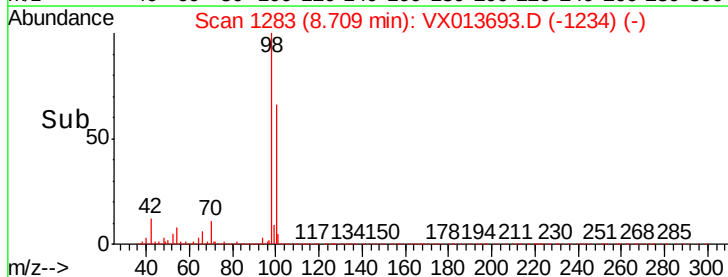
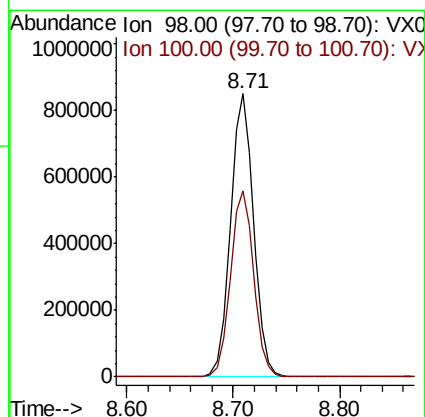
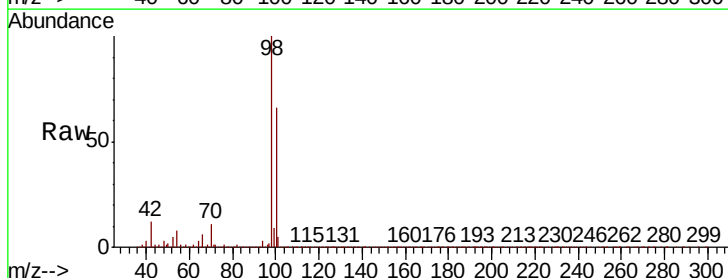
Acq: 29 Nov 2019 11:55

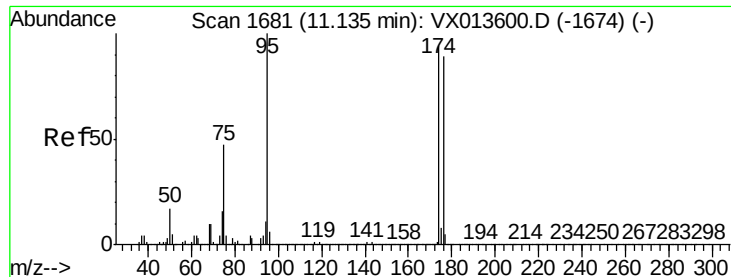
Tgt Ion: 98 Resp: 1291073

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7

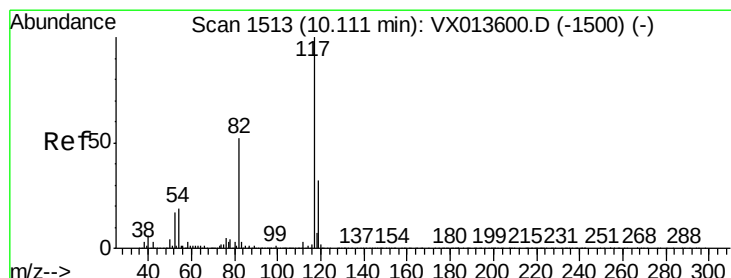
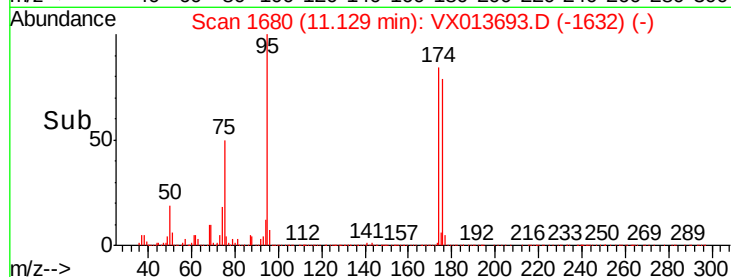
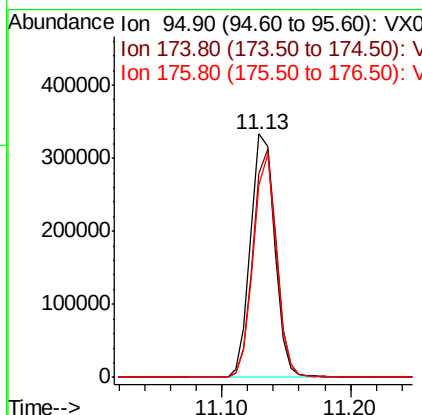
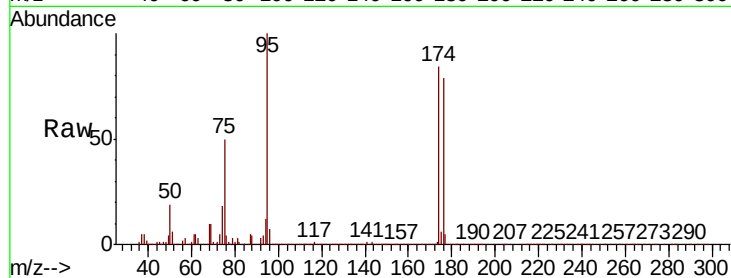




#62
4-Bromofluorobenzene
Concen: 45.212 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013693.D
Acq: 29 Nov 2019 11:55

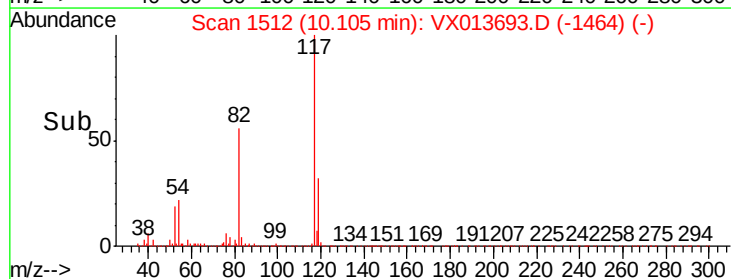
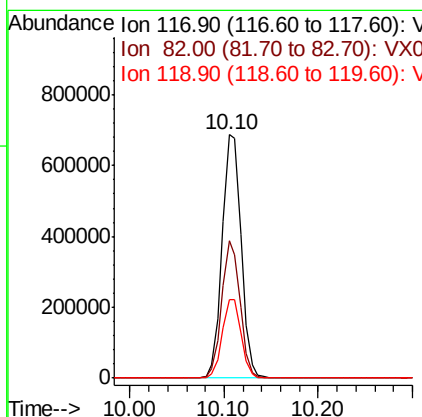
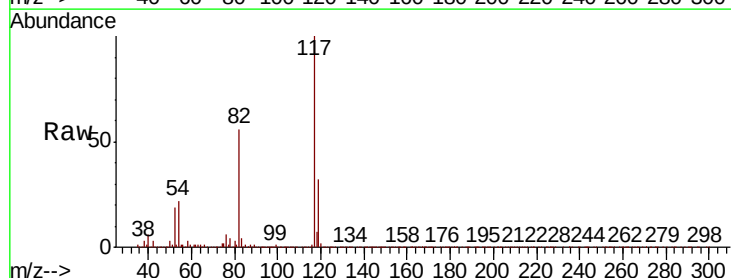
Instrument :
MSVOA_X
ClientSampleId :
VX1129WBL01

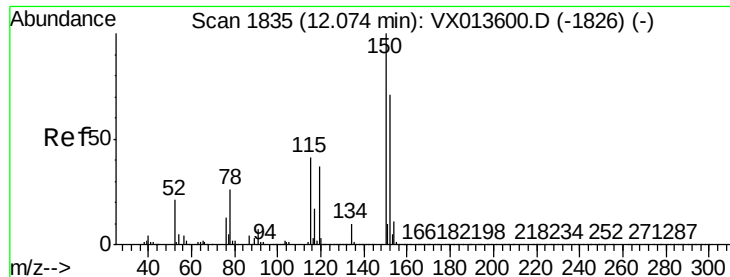
Tot Ion: 95 Resp: 429090
Ion Ratio Lower Upper
95 100
174 91.4 0.0 180.0
176 87.6 0.0 173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013693.D
Acq: 29 Nov 2019 11:55

Tgt Ion: 117 Resp: 964905
Ion Ratio Lower Upper
117 100
82 56.2 41.8 62.8
119 32.3 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX1129WBL01

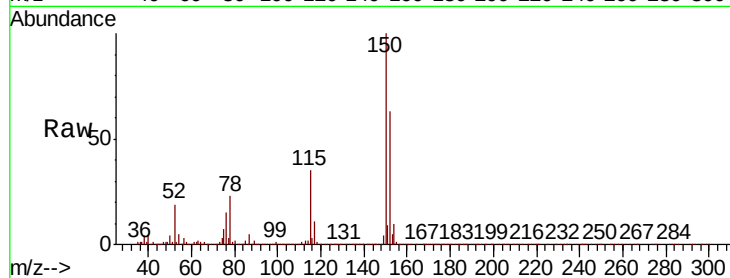
Tot Ion:152 Resp: 431617

Ion Ratio Lower Upper

152 100

115 55.4 38.4 115.1

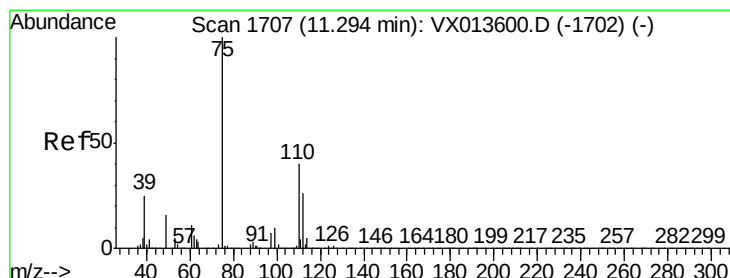
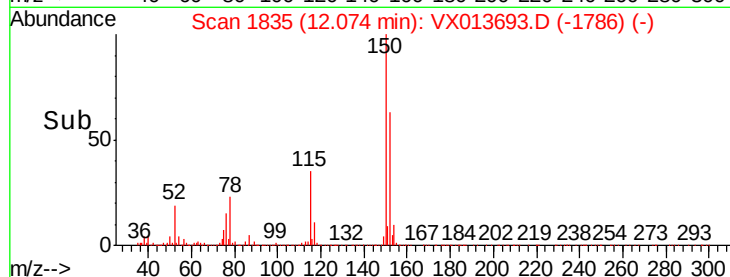
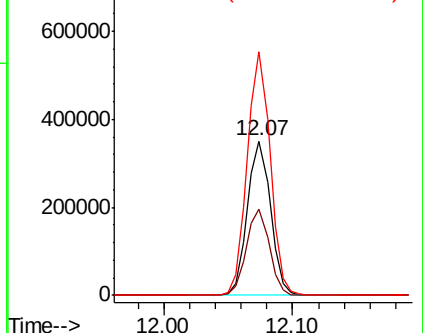
150 156.9 0.0 346.8



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: 21.755 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013693.D

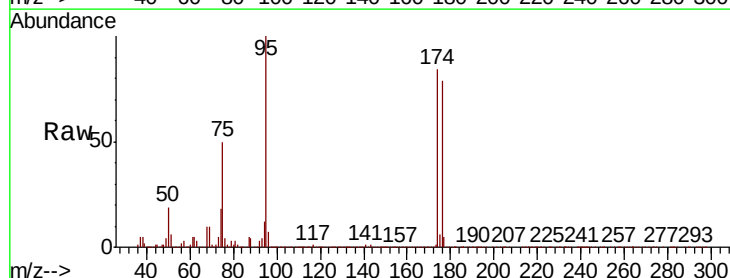
Acq: 29 Nov 2019 11:55

Tgt Ion: 75 Resp: 211190

Ion Ratio Lower Upper

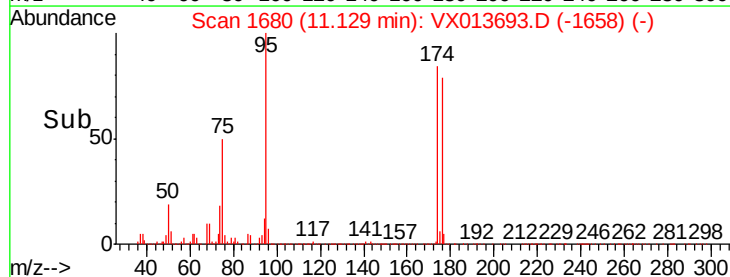
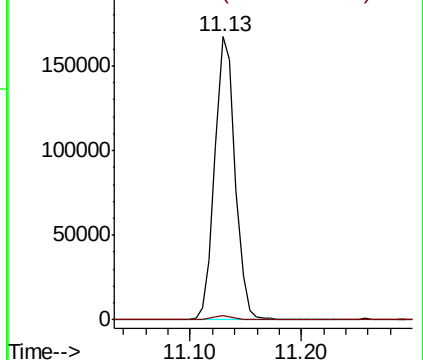
75 100

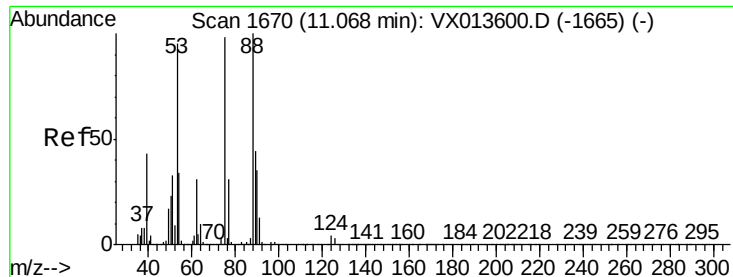
77 1.7 19.1 57.5#



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: 59.517 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013693.D

Acq: 29 Nov 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VX1129WBL01

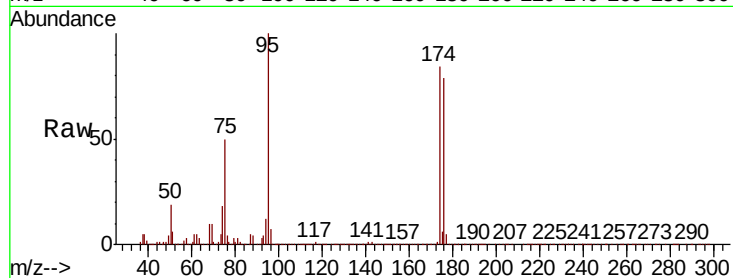
Tot Ion: 75 Resp: 211190

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.2#

89 0.1 35.4 53.2#



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

