

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012696.D
 Acq On : 30 Sep 2019 11:33
 Operator : JC/SP
 Sample : VX0930WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBL01

Quant Time: Oct 01 03:44:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	183201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	318119	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100927	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	127604	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
35) Dibromofluoromethane	5.48	113	96132	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	8.71	98	368151	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	125797	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	

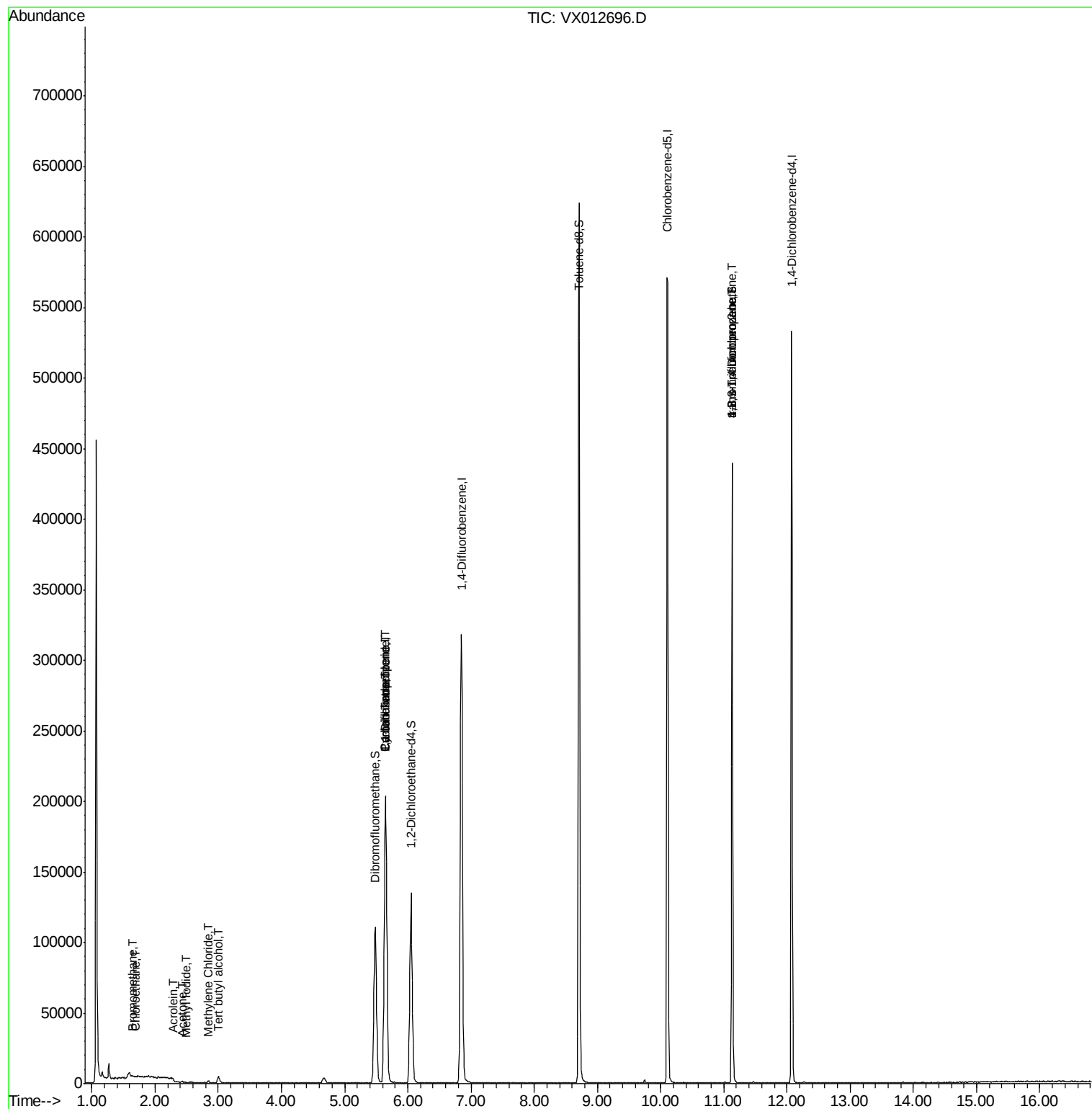
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	564	0.610	ug/l #	74
6) Chloroethane	1.69	64	1338	0.844	ug/l #	53
10) Methyl Iodide	2.50	142	395	5.121	ug/l #	81
11) Tert butyl alcohol	3.00	59	2902	4.355	ug/l #	74
13) Acrolein	2.28	56	150	10.620	ug/l #	40
16) Acetone	2.44	43	796	0.563	ug/l	96
20) Methylene Chloride	2.84	84	605	0.253	ug/l #	87
31) Cyclohexane	5.64	56	4358	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14950	4.876	ug/l #	52
38) Carbon Tetrachloride	5.64	117	19811	6.360	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	64665	24.221	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	64665	69.413	ug/l #	8

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

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ClientSampleId :
VX0930WBL01

Quant Time: Oct 01 03:44:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

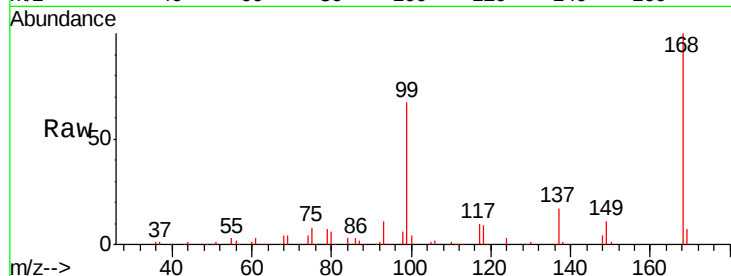
VX0930WBL01

Tgt Ion: 168 Resp: 183201

Ion Ratio Lower Upper

168 100

99 66.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

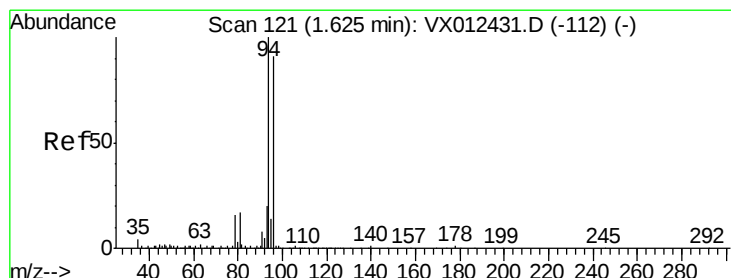
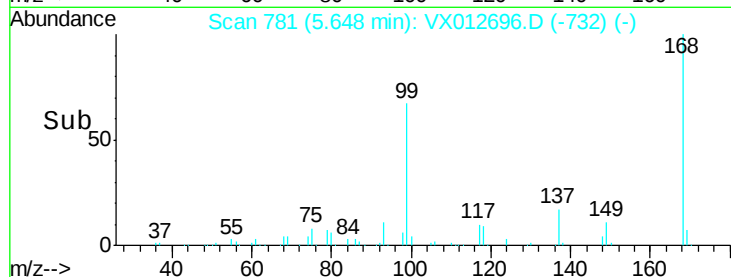
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.610 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012696.D

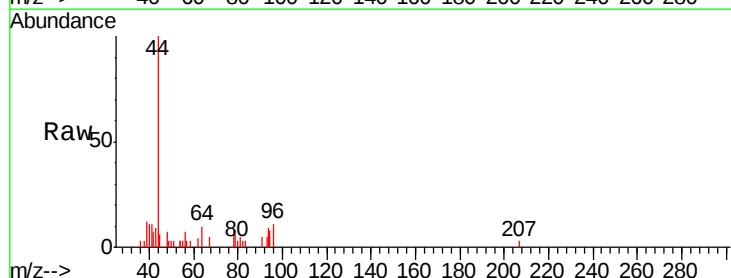
Acq: 30 Sep 2019 11:33

Tgt Ion: 94 Resp: 564

Ion Ratio Lower Upper

94 100

96 65.9 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

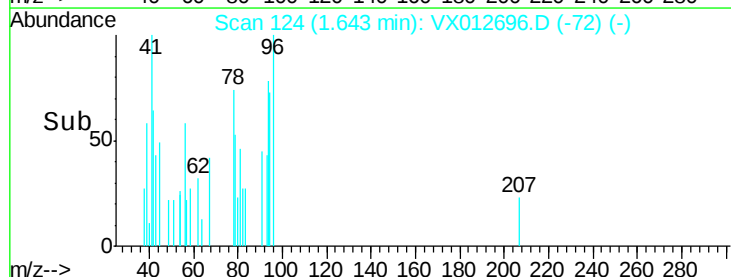
200

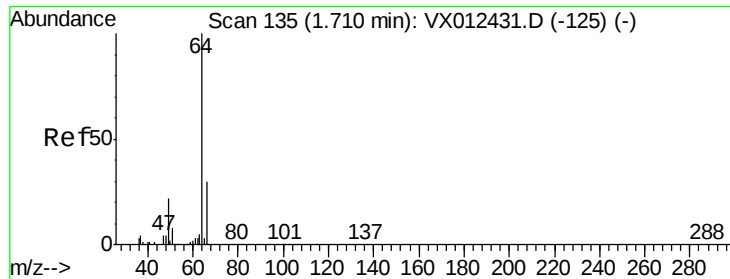
100

0

Time-->

1.55 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.844 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

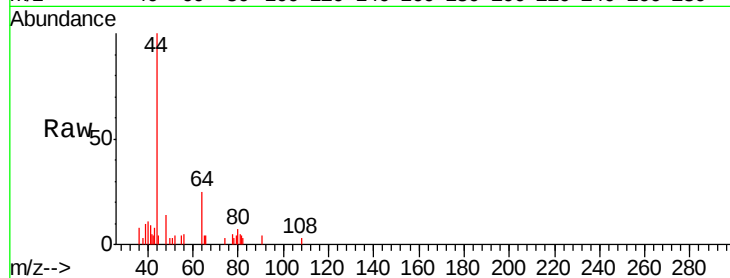
VX0930WBL01

Tgt Ion: 64 Resp: 1338

Ion Ratio Lower Upper

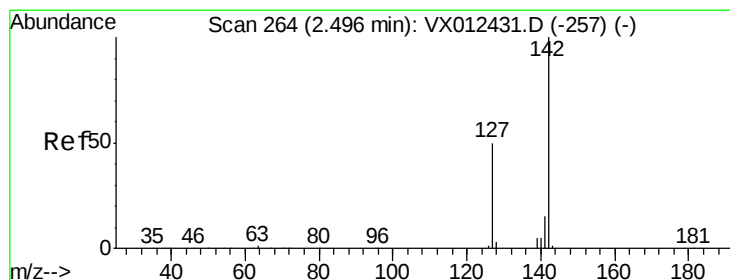
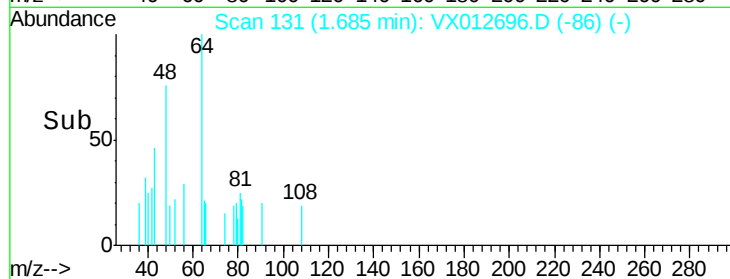
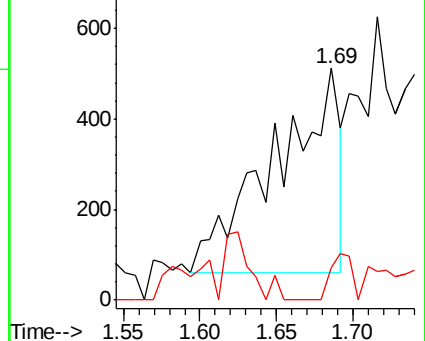
64 100

66 4.4 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.121 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

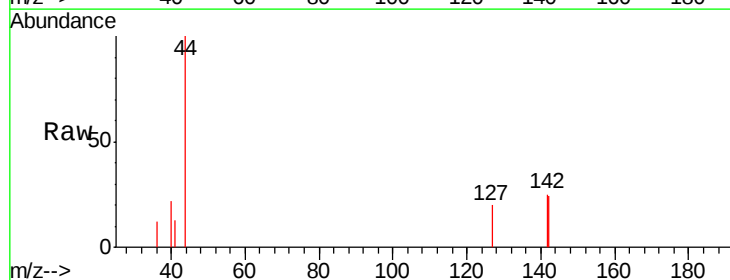
Tgt Ion: 142 Resp: 395

Ion Ratio Lower Upper

142 100

127 41.0 40.8 61.2

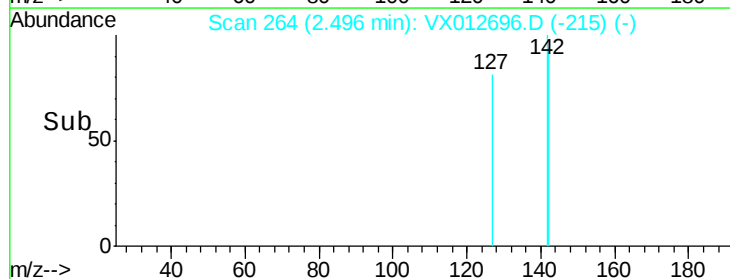
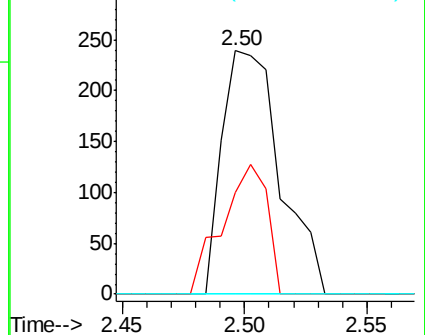
141 0.0 12.1 18.1#

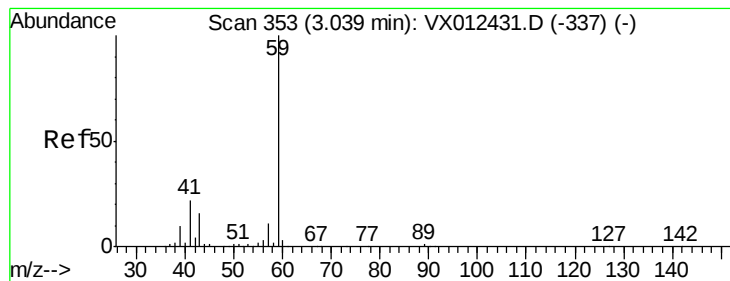


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



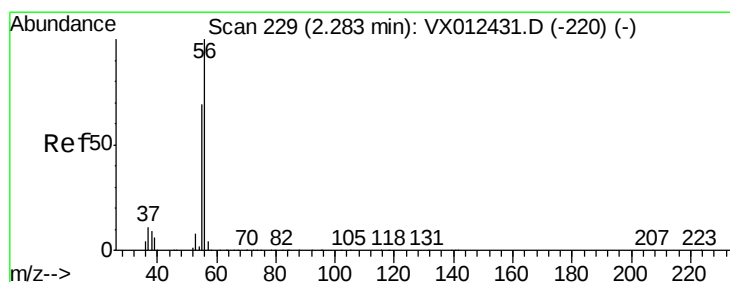
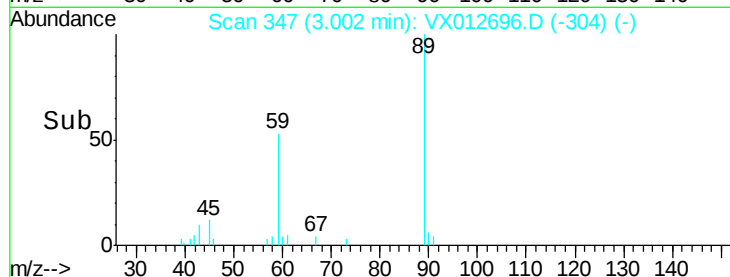
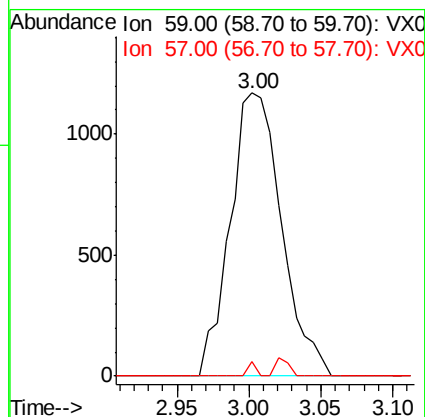
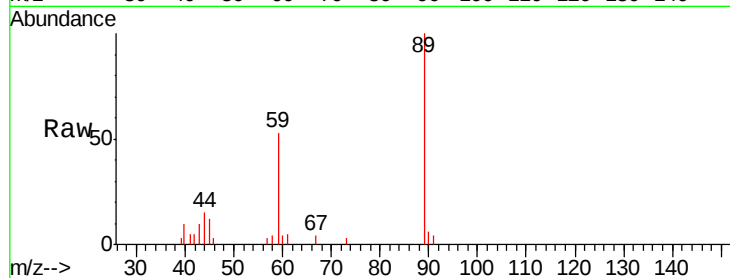


#11

Tert butyl alcohol
 Concen: 4.355 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX012696.D
 Acq: 30 Sep 2019 11:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBL01

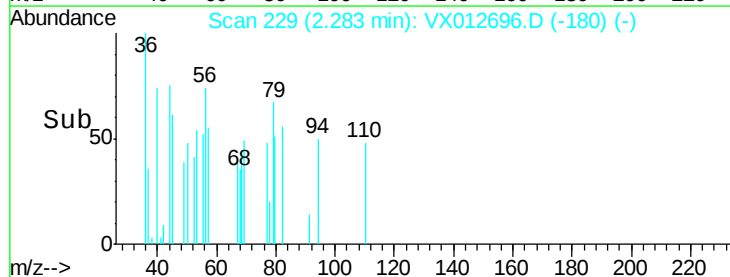
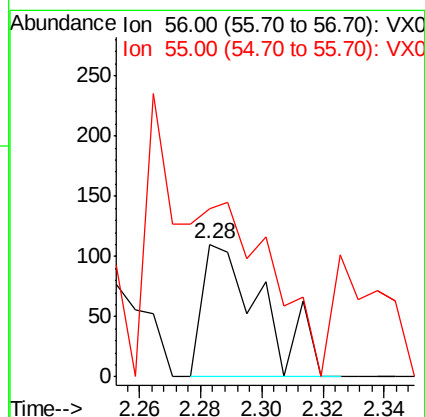
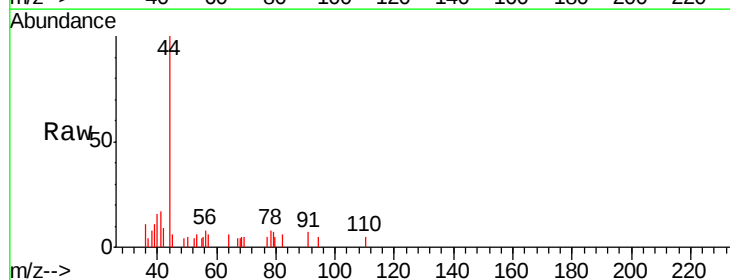
Tgt Ion: 59 Resp: 2902
 Ion Ratio Lower Upper
 59 100
 57 0.8 8.3 12.5#

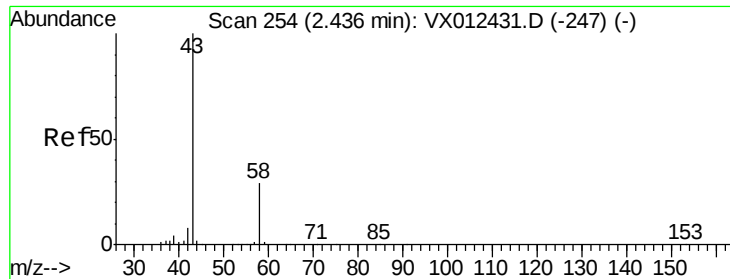


#13

Acrolein
 Concen: 10.620 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX012696.D
 Acq: 30 Sep 2019 11:33

Tgt Ion: 56 Resp: 150
 Ion Ratio Lower Upper
 56 100
 55 119.3 55.8 83.8#





#16

Acetone

Concen: 0.563 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

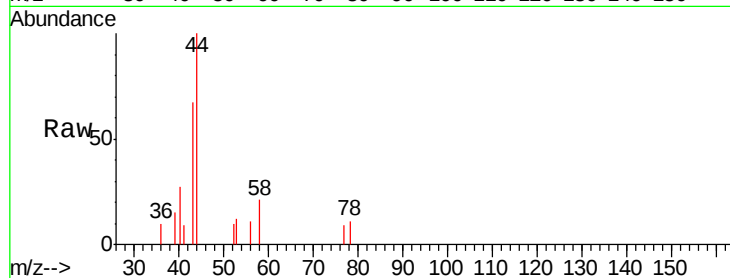
VX0930WBL01

Tgt Ion: 43 Resp: 796

Ion Ratio Lower Upper

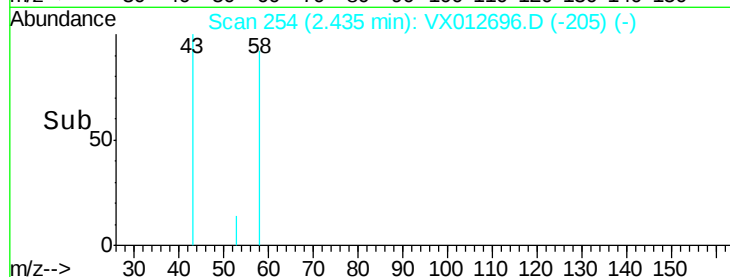
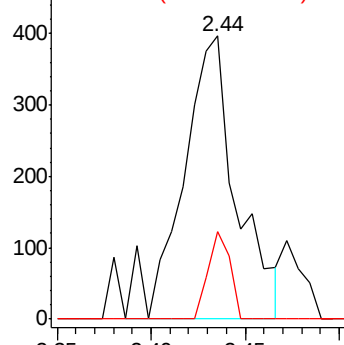
43 100

58 31.0 23.3 34.9

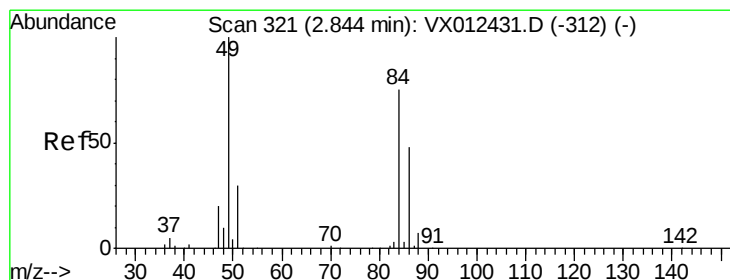


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#20

Methylene Chloride

Concen: 0.253 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

Tgt Ion: 84 Resp: 605

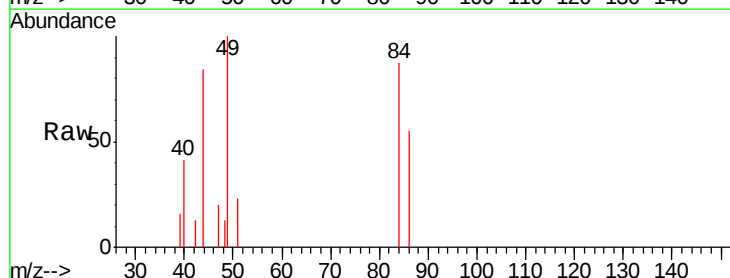
Ion Ratio Lower Upper

84 100

49 115.1 106.8 160.2

51 26.5 32.3 48.5#

86 63.0 51.3 76.9

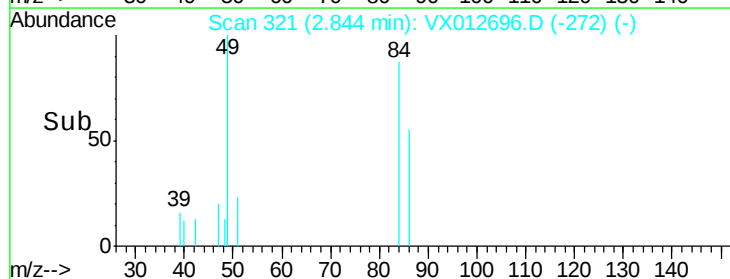
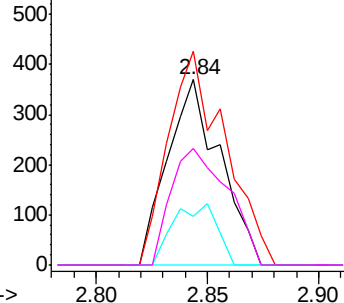


Abundance Ion 83.90 (83.60 to 84.60): VX0

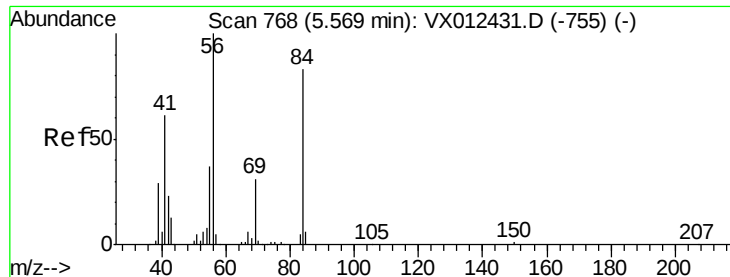
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



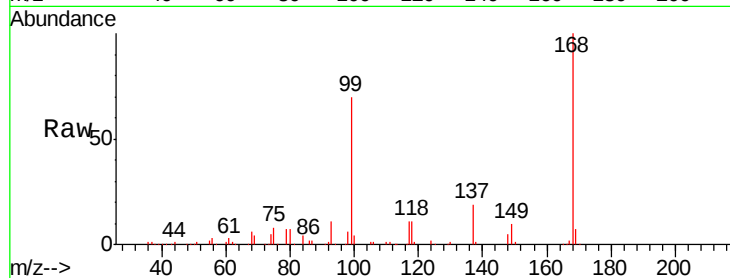
Time-->



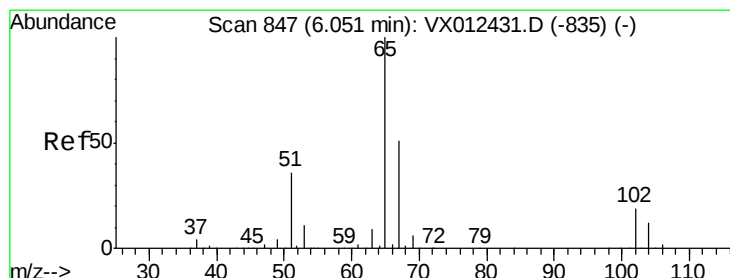
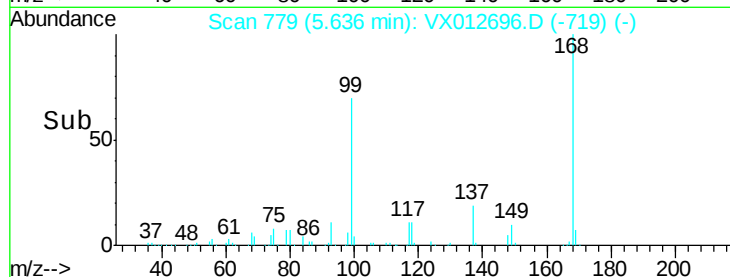
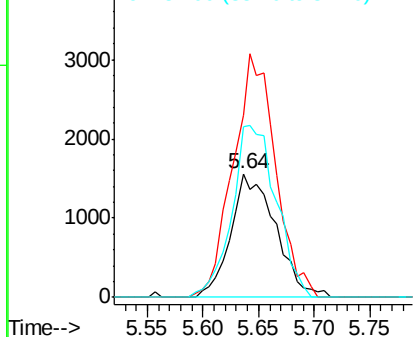
#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.07 min
Lab File: VX012696.D
Acq: 30 Sep 2019 11:33

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

Tgt Ion: 56 Resp: 4358
Ion Ratio Lower Upper
56 100
69 147.3 25.0 37.6#
84 137.8 66.4 99.6#

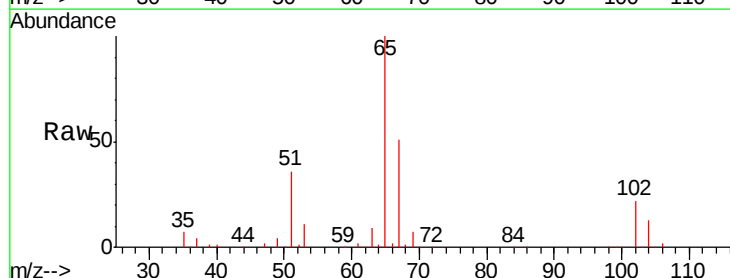


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

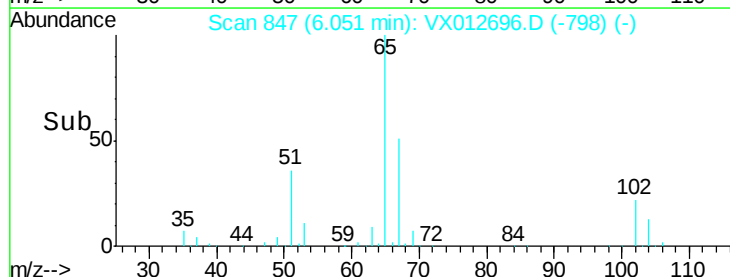
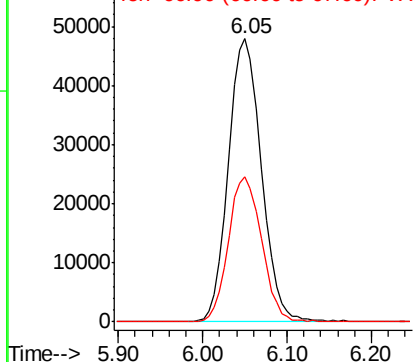


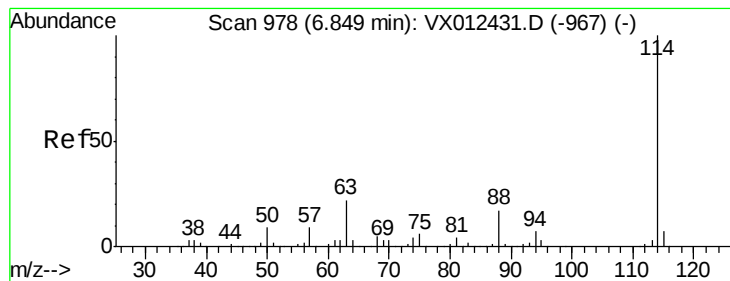
#33
1,2-Dichloroethane-d4
Concen: 47.832 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012696.D
Acq: 30 Sep 2019 11:33

Tgt Ion: 65 Resp: 127604
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBL01

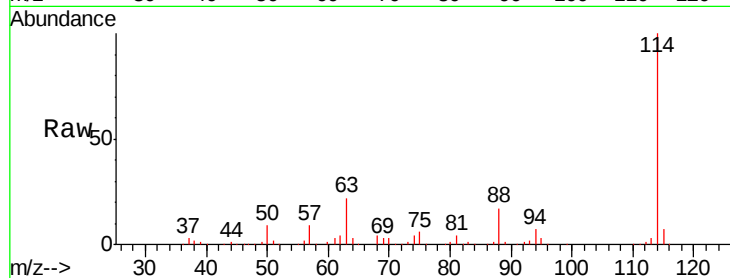
Tgt Ion:114 Resp: 318119

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 17.0 0.0 33.2

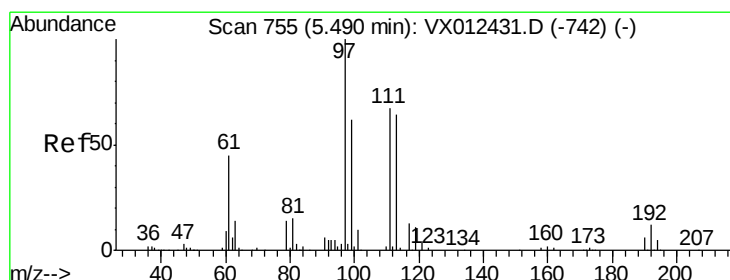
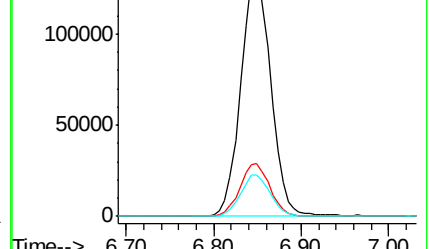
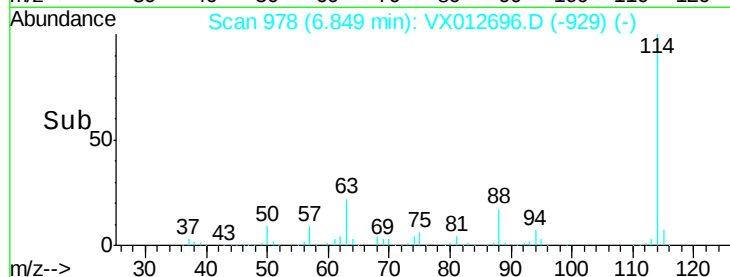


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

Time-->



#35

Dibromofluoromethane

Concen: 50.742 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

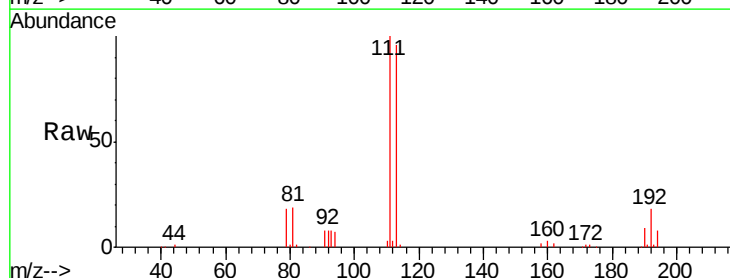
Tgt Ion:113 Resp: 96132

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

192 18.0 14.4 21.6

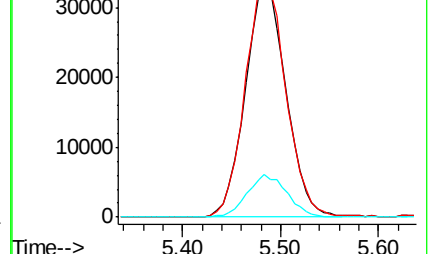
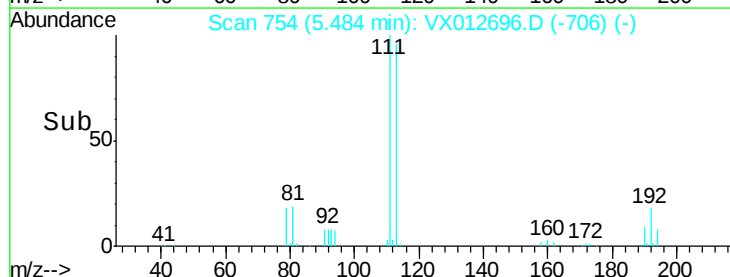


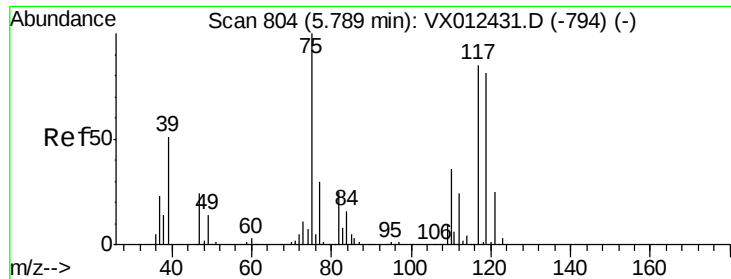
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->





#36

1,1-Dichloropropene

Concen: 4.876 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBL01

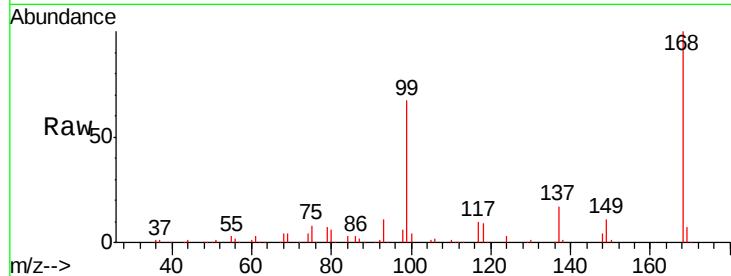
Tgt Ion: 75 Resp: 14950

Ion Ratio Lower Upper

75 100

110 10.2 16.7 50.0#

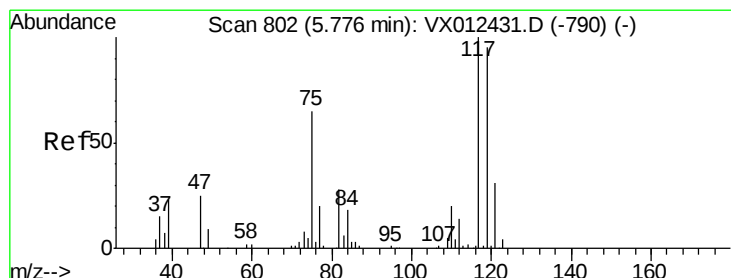
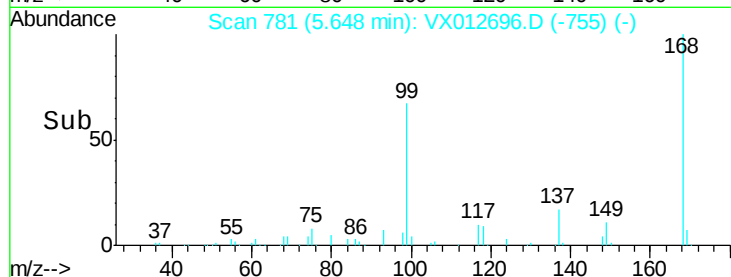
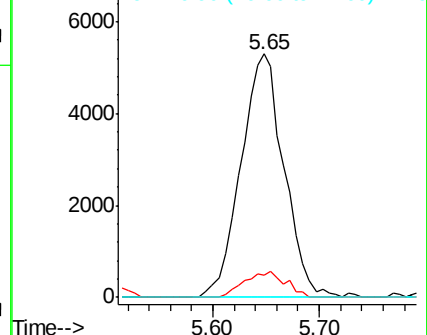
77 0.0 24.2 36.2#



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: 6.360 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

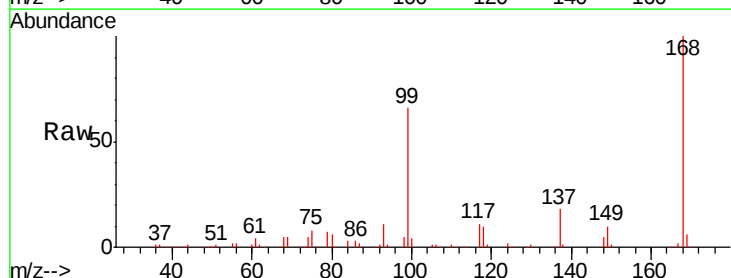
Tgt Ion: 117 Resp: 19811

Ion Ratio Lower Upper

117 100

119 5.3 75.7 113.5#

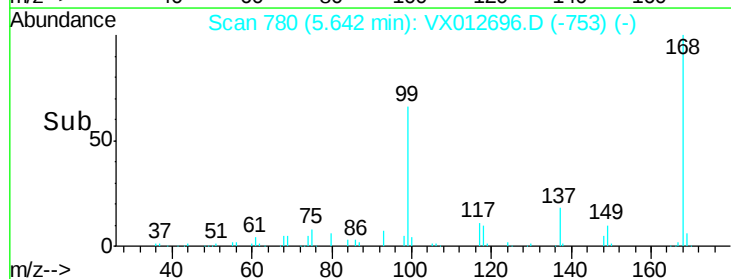
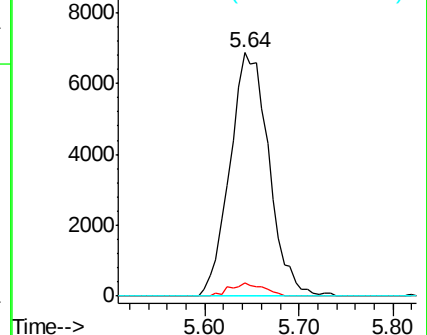
121 0.0 24.2 36.4#

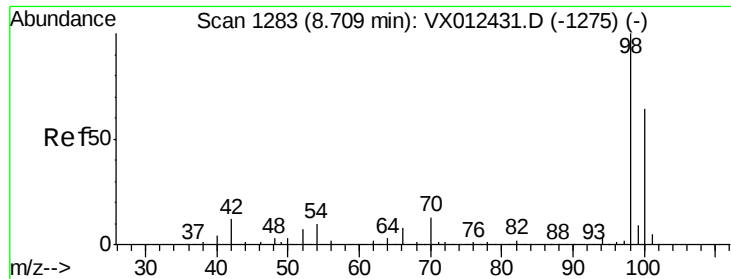


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

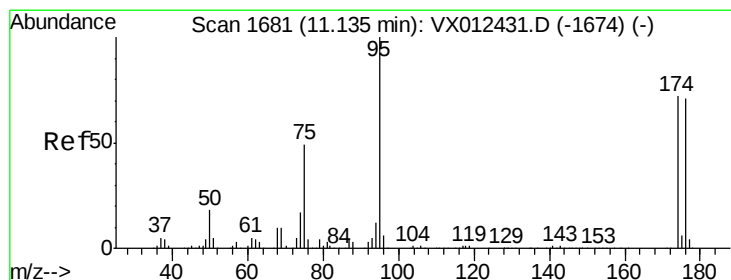
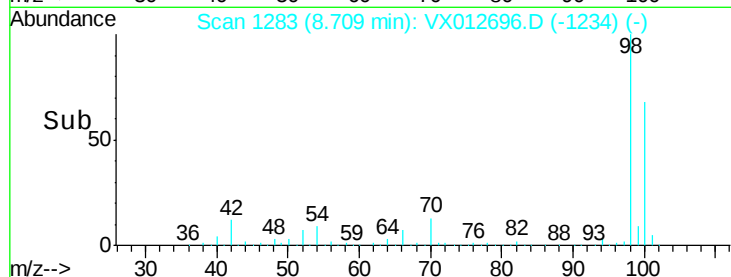
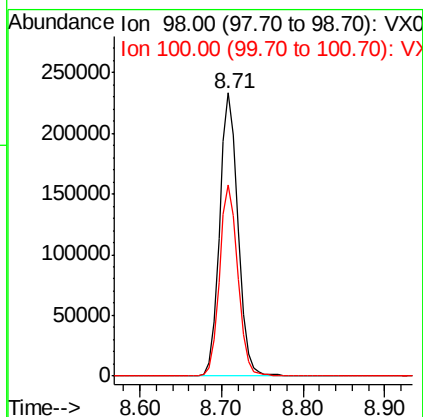
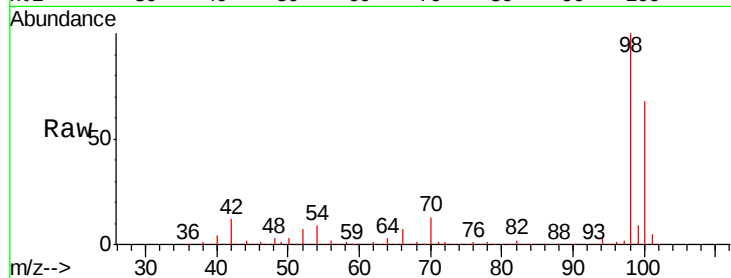




#50
Toluene-d8
Concen: 50.459 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012696.D
Acq: 30 Sep 2019 11:33

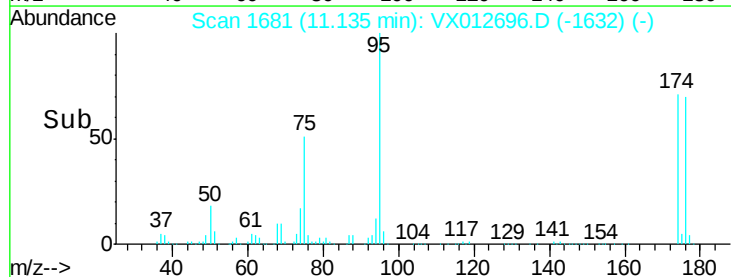
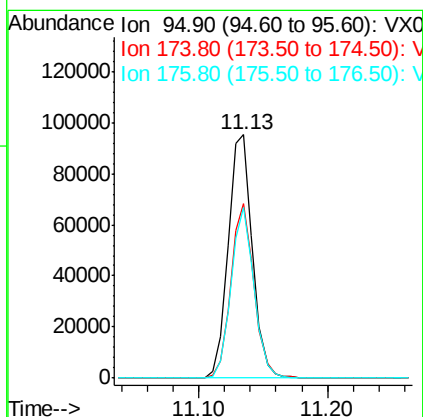
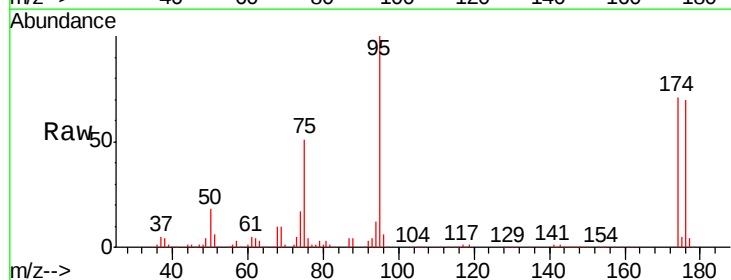
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBL01

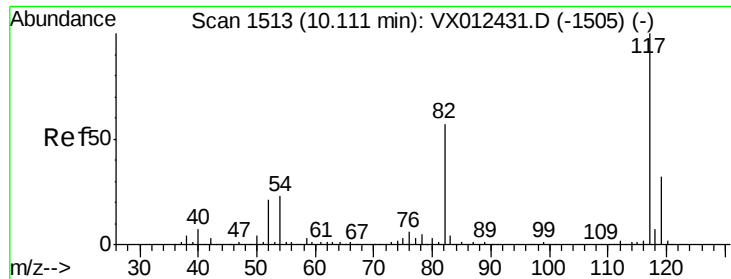
Tgt Ion: 98 Resp: 368151
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 43.850 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012696.D
Acq: 30 Sep 2019 11:33

Tgt Ion: 95 Resp: 125797
Ion Ratio Lower Upper
95 100
174 68.2 0.0 140.0
176 66.5 0.0 135.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBL01

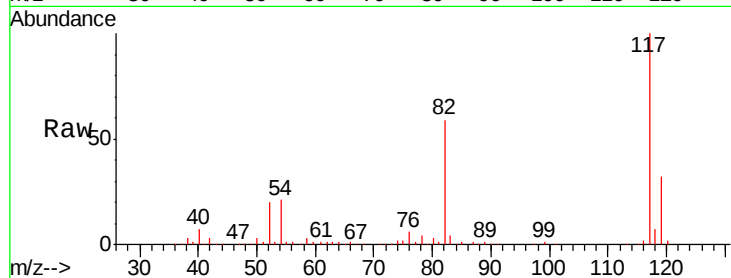
Tgt Ion:117 Resp: 262445

Ion Ratio Lower Upper

117 100

82 58.9 45.9 68.9

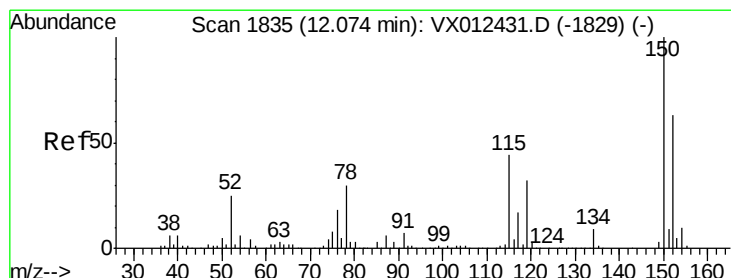
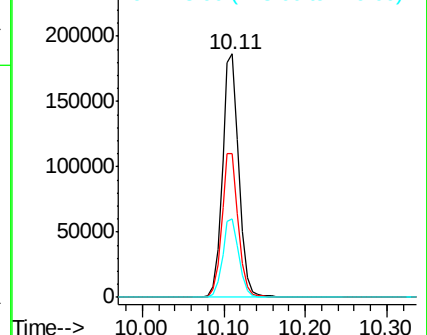
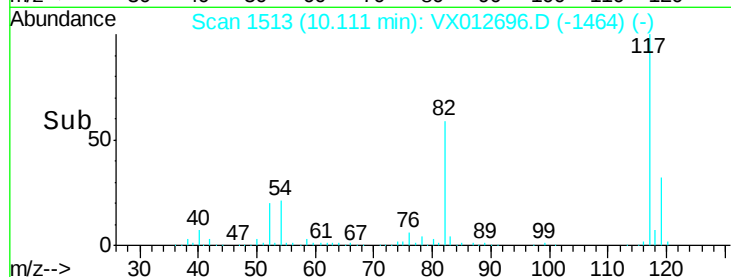
119 32.4 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

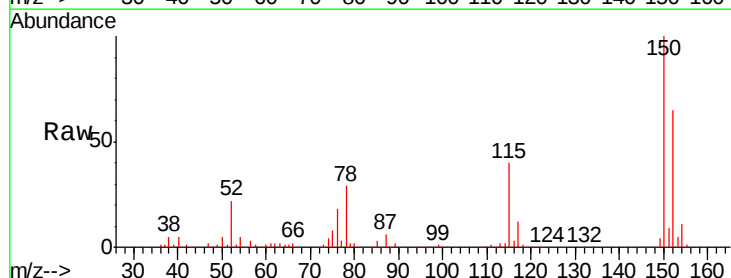
Tgt Ion:152 Resp: 100927

Ion Ratio Lower Upper

152 100

115 64.8 44.1 132.3

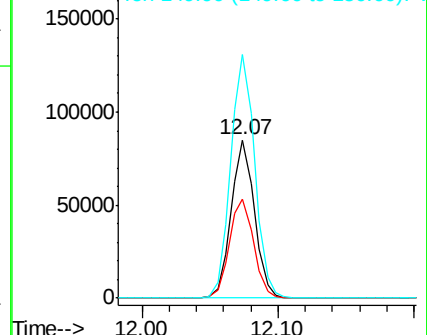
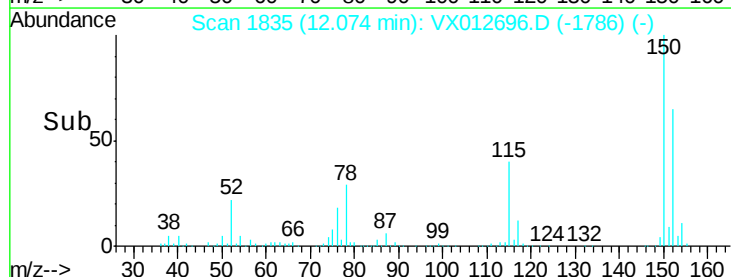
150 158.7 0.0 343.8

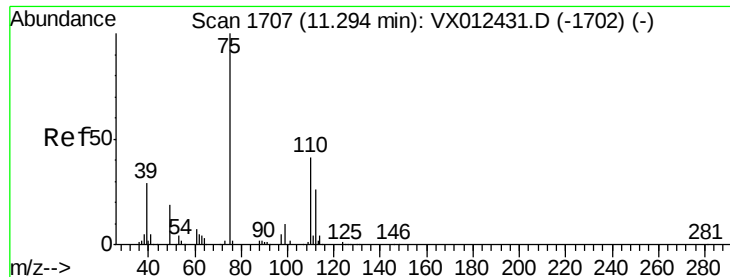


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.221 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

Instrument :

MSVOA_X

ClientSampled :

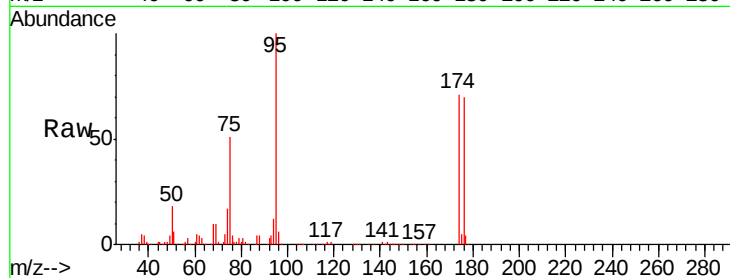
VX0930WBL01

Tgt Ion: 75 Resp: 64665

Ion Ratio Lower Upper

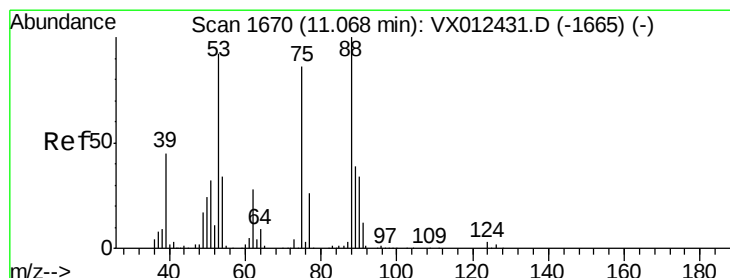
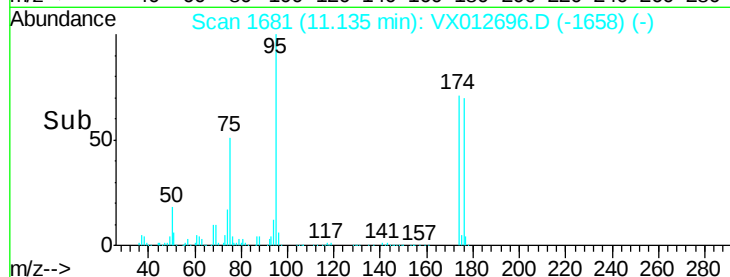
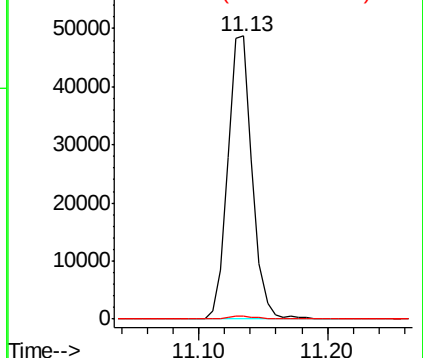
75 100

77 1.1 19.7 59.0#



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: 69.413 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012696.D

Acq: 30 Sep 2019 11:33

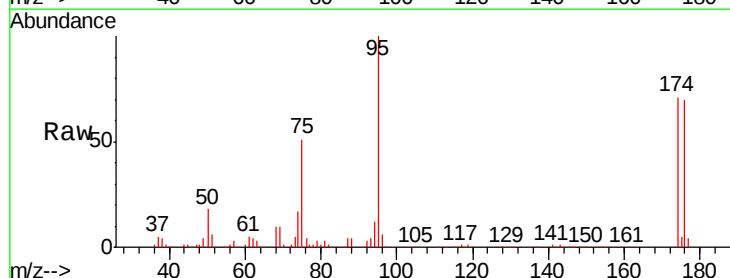
Tgt Ion: 75 Resp: 64665

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

