

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092719\
 Data File : VX012689.D
 Acq On : 27 Sep 2019 10:55
 Operator : JC/SP
 Sample : VX0927WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBL01

Quant Time: Sep 28 03:58:10 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	163007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	285913	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98246	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	116802	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	5.48	113	86108	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	8.71	98	341154	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.13	95	120048	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	

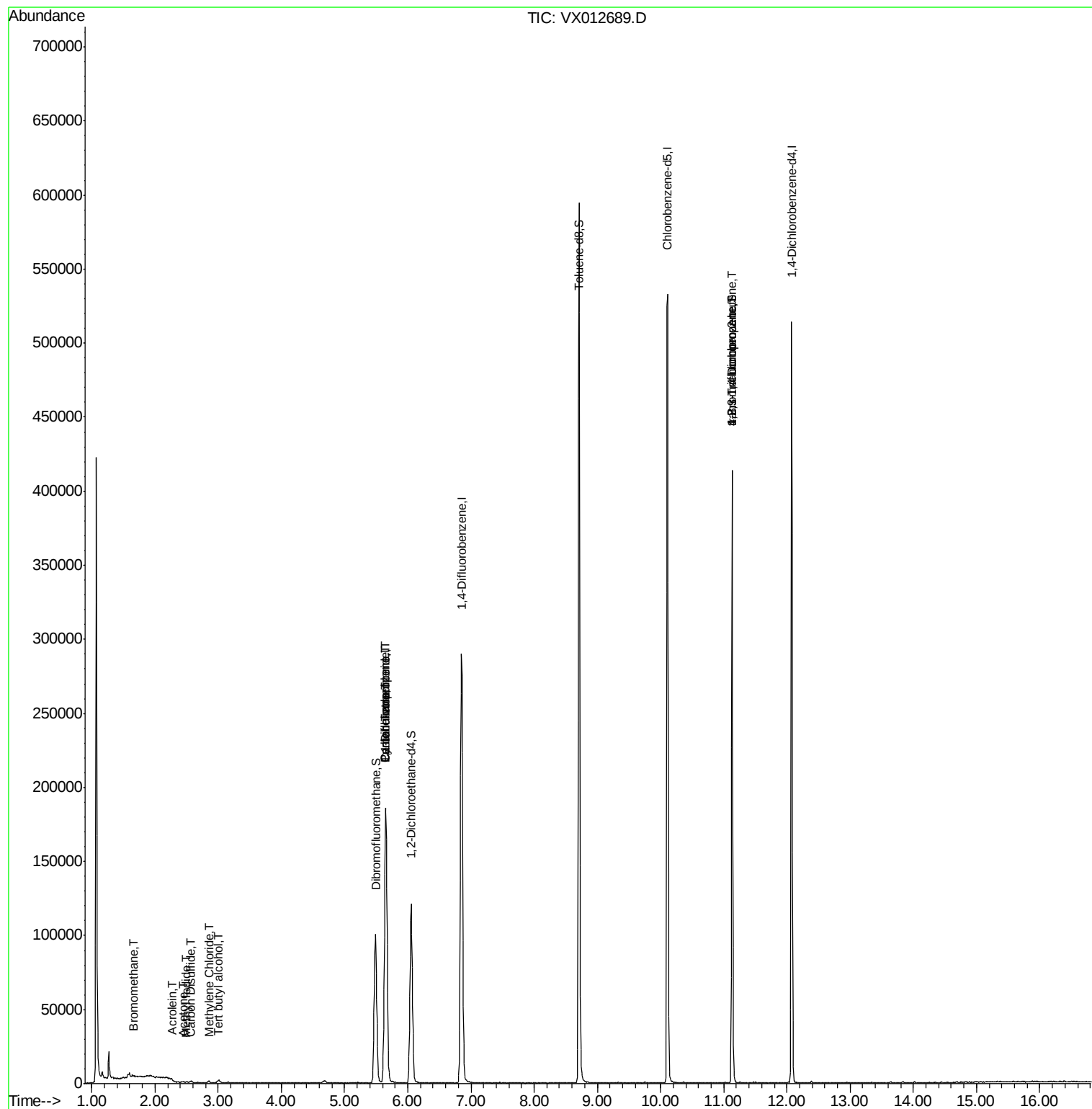
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	562	0.683	ug/l #	4
10) Methyl Iodide	2.50	142	389	5.139	ug/l #	65
11) Tert butyl alcohol	3.01	59	1354	2.283	ug/l #	72
13) Acrolein	2.28	56	142	10.645	ug/l #	1
16) Acetone	2.44	43	758	0.603	ug/l #	89
17) Carbon Disulfide	2.56	76	1029	0.209	ug/l	98
20) Methylene Chloride	2.84	84	513	0.241	ug/l #	79
31) Cyclohexane	5.64	56	4218	1.277	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14320	5.196	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18519	6.615	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	63628	24.483	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	63628	70.163	ug/l #	8

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

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Quant Time: Sep 28 03:58:10 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# 782

Delta R.T. 0.01 min

Lab File: VX012689.D

Acq: 27 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

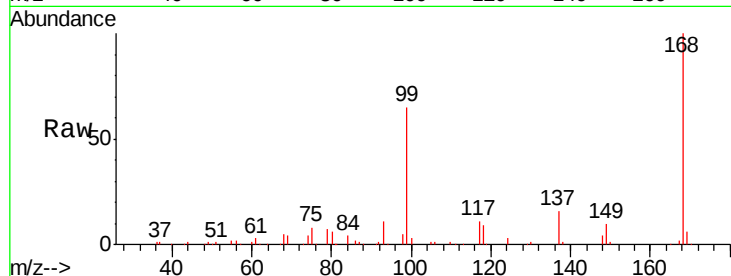
VX0927WBL01

Tgt Ion:168 Resp: 163007

Ion Ratio Lower Upper

168 100

99 64.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.65

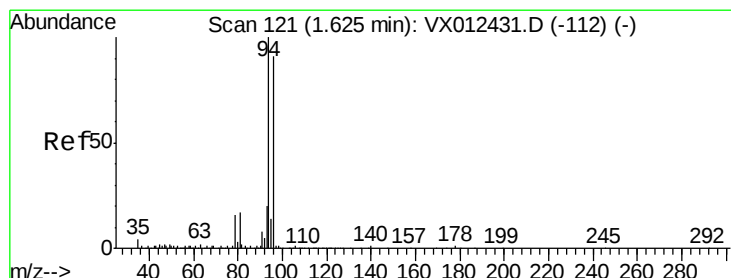
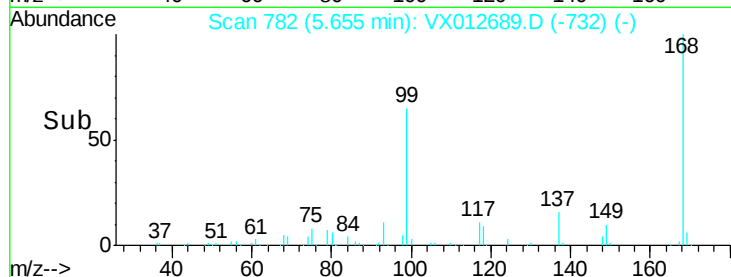
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: 0.683 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.04 min

Lab File: VX012689.D

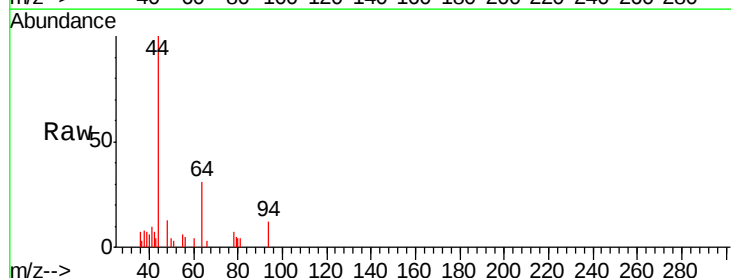
Acq: 27 Sep 2019 10:55

Tgt Ion: 94 Resp: 562

Ion Ratio Lower Upper

94 100

96 0.0 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

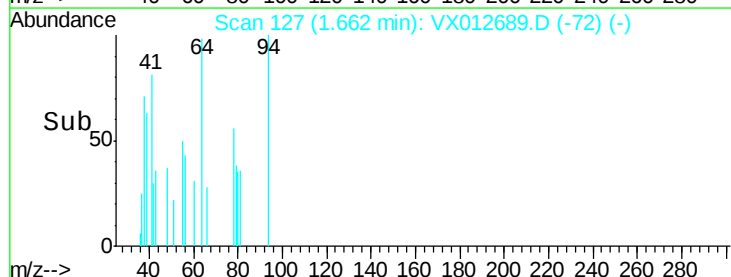
150

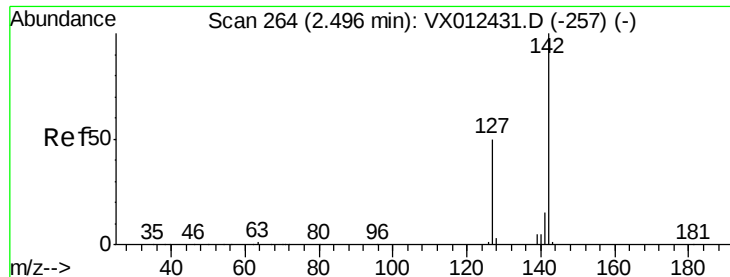
100

50

0

Time--> 1.60 1.65 1.70





#10

Methyl Iodide

Concen: 5.139 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012689.D

Acq: 27 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VX0927WBL01

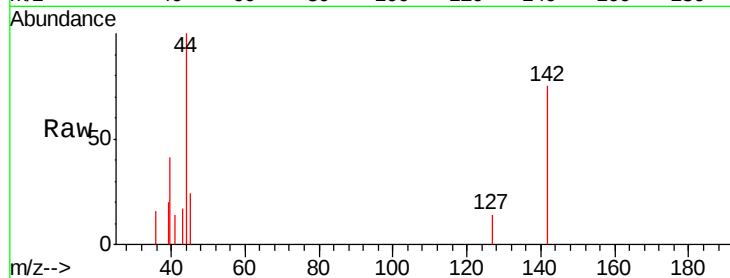
Tgt Ion:142 Resp: 389

Ion Ratio Lower Upper

142 100

127 27.2 40.8 61.2#

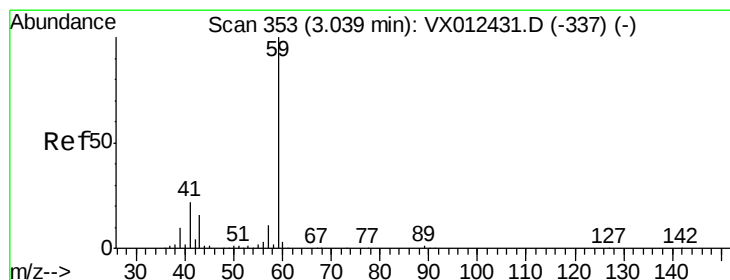
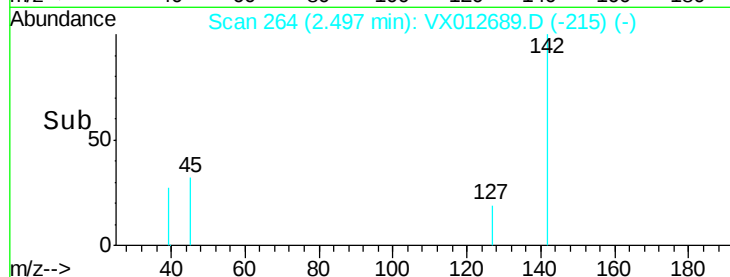
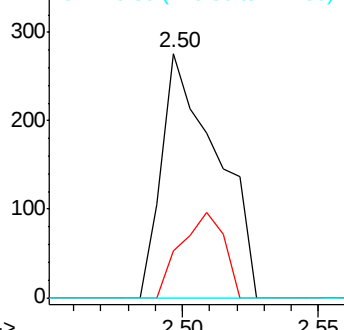
141 0.0 12.1 18.1#



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: 2.283 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX012689.D

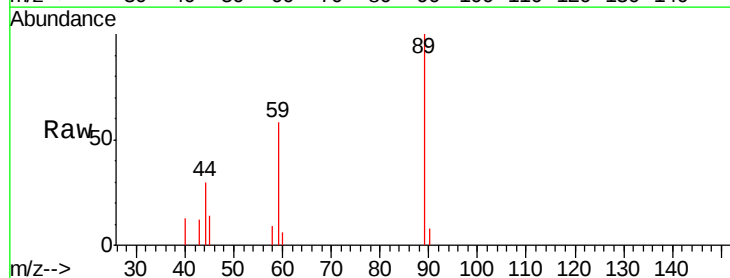
Acq: 27 Sep 2019 10:55

Tgt Ion: 59 Resp: 1354

Ion Ratio Lower Upper

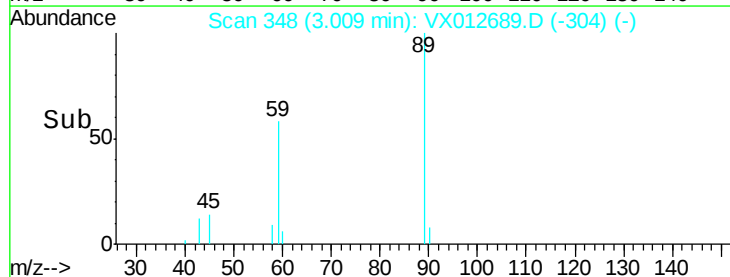
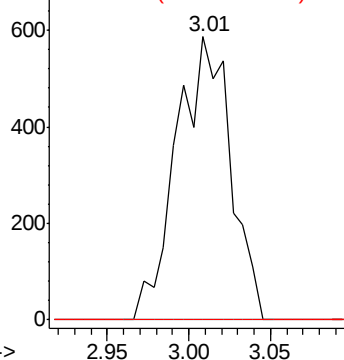
59 100

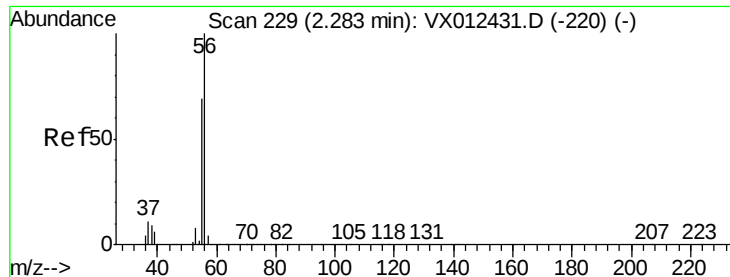
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.645 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX012689.D

Acq: 27 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

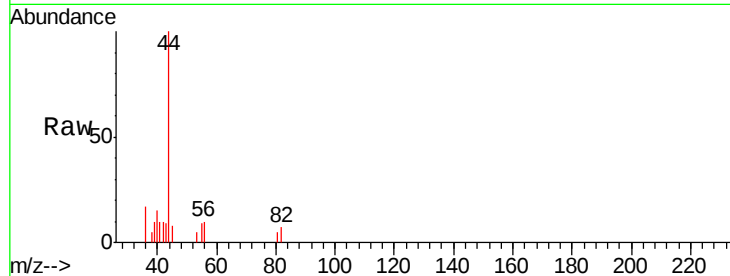
VX0927WBL01

Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

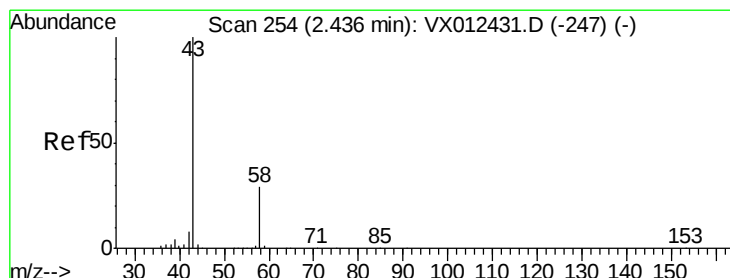
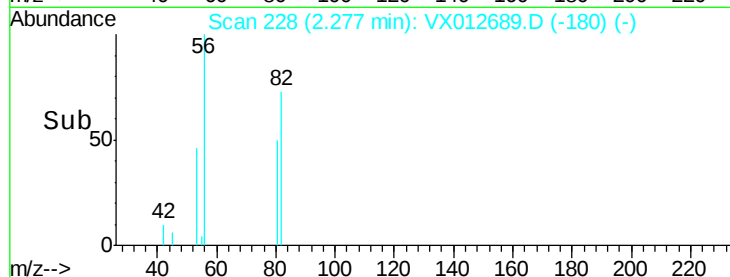
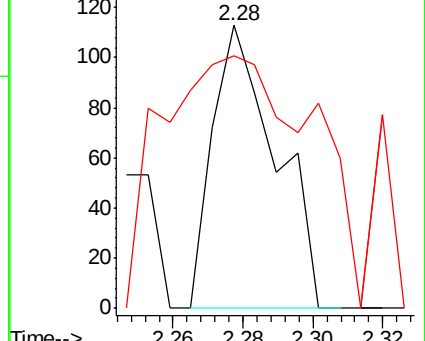
56 100

55 212.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.603 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012689.D

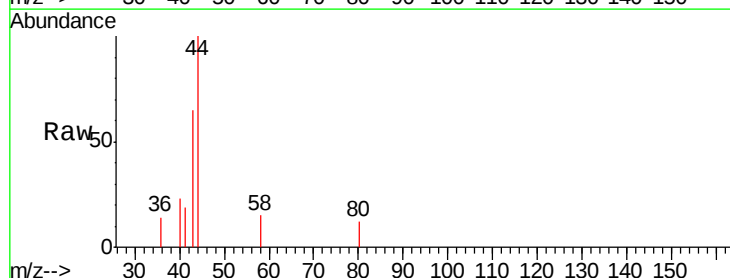
Acq: 27 Sep 2019 10:55

Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

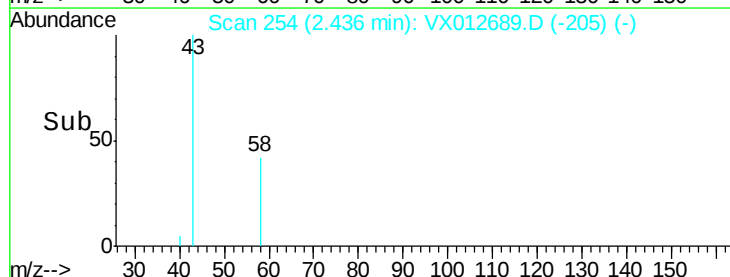
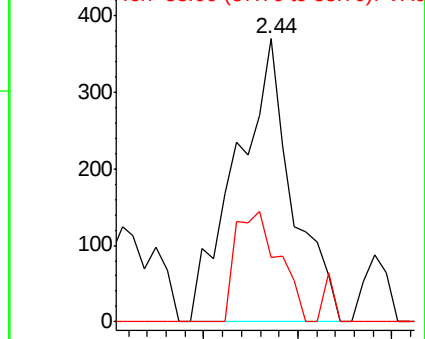
43 100

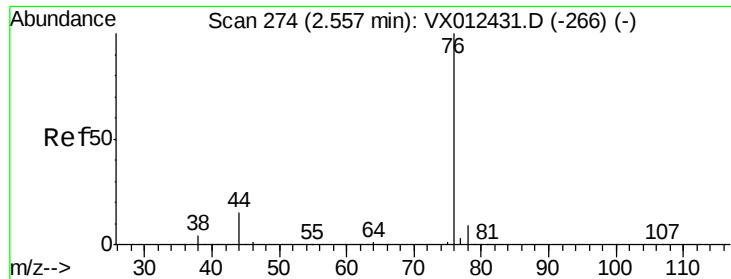
58 23.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012689.D

Acq: 27 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

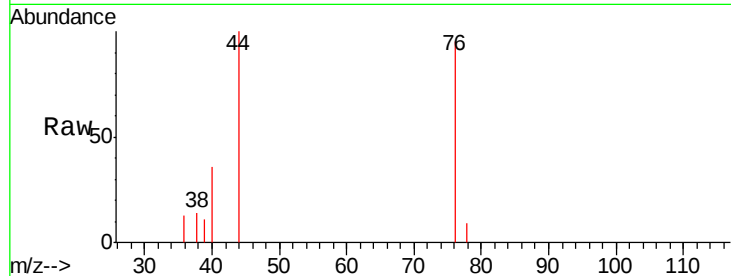
VX0927WBL01

Tgt Ion: 76 Resp: 1029

Ion Ratio Lower Upper

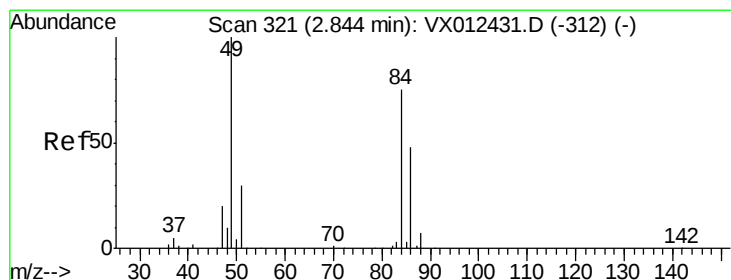
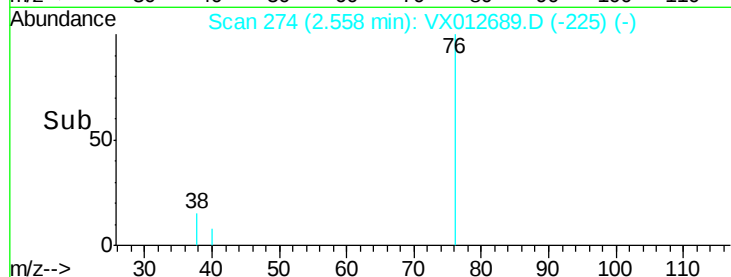
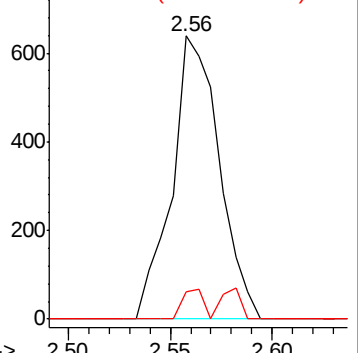
76 100

78 9.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012689.D

Acq: 27 Sep 2019 10:55

Tgt Ion: 84 Resp: 513

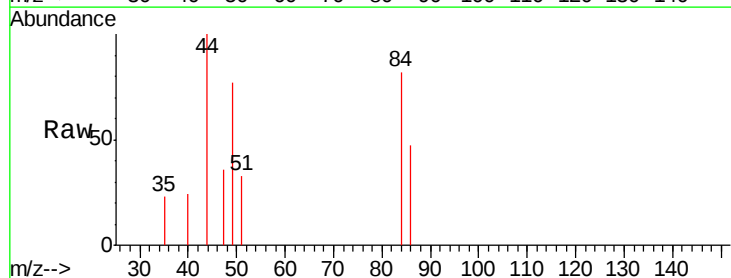
Ion Ratio Lower Upper

84 100

49 94.0 106.8 160.2#

51 40.5 32.3 48.5

86 56.8 51.3 76.9

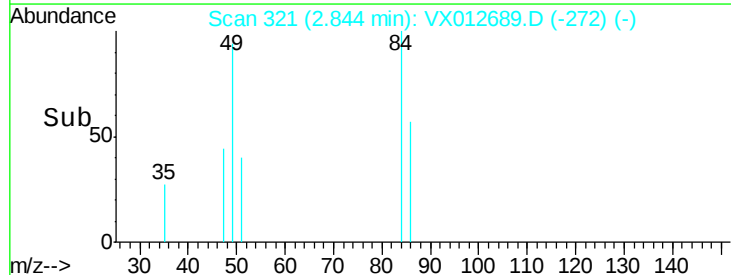
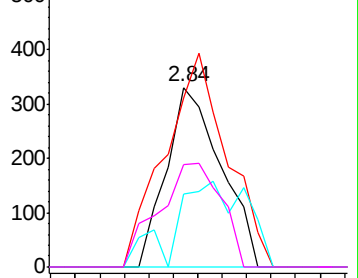


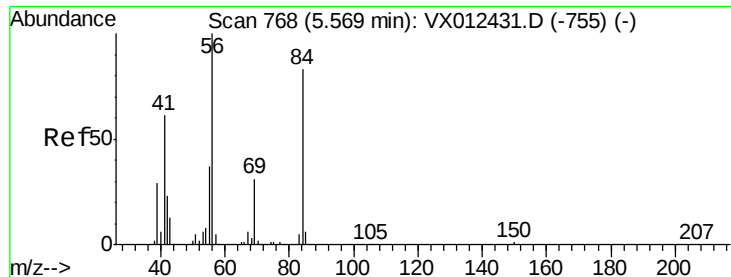
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

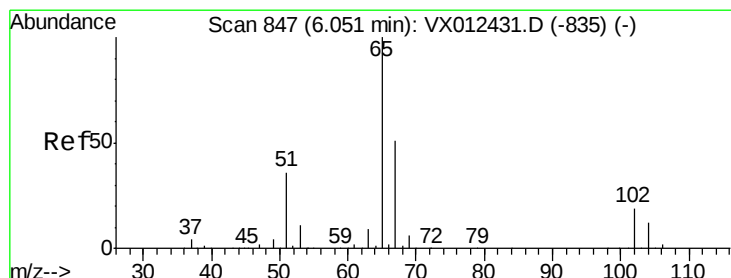
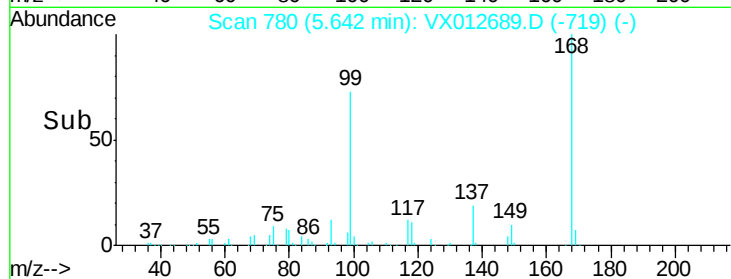
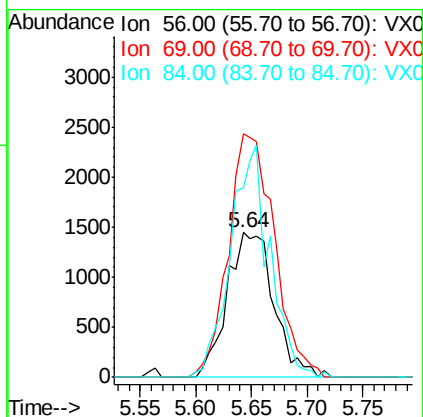
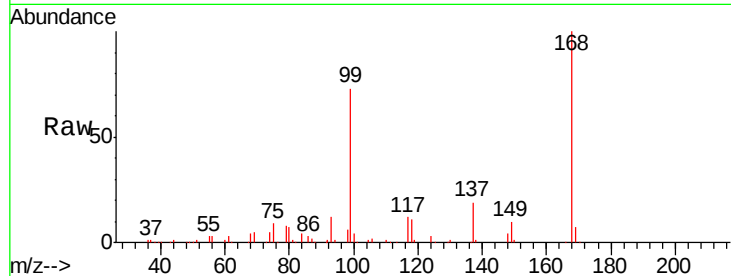




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012689.D
Acq: 27 Sep 2019 10:55

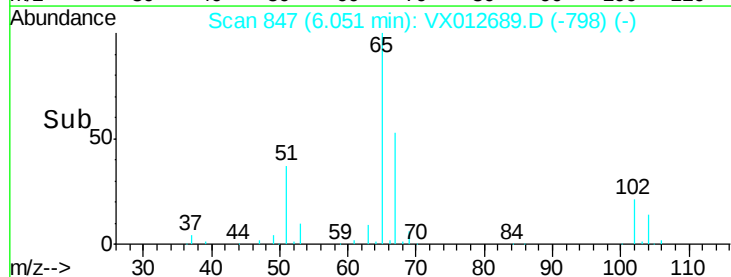
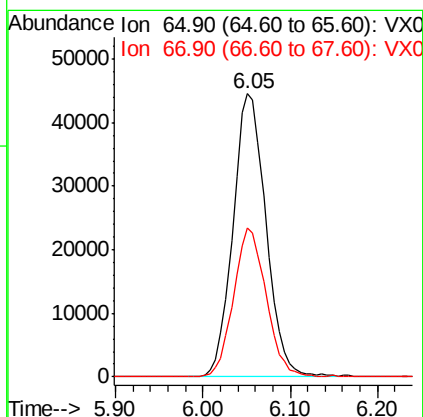
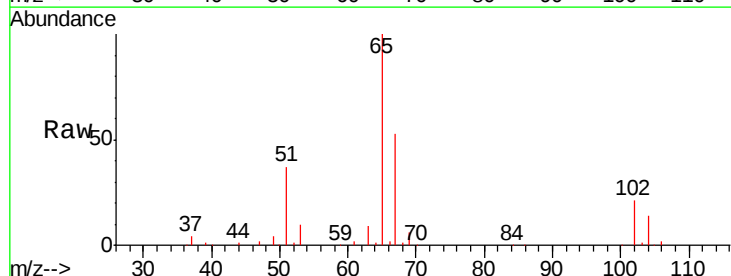
Instrument :
MSVOA_X
ClientSampleId :
VX0927WBL01

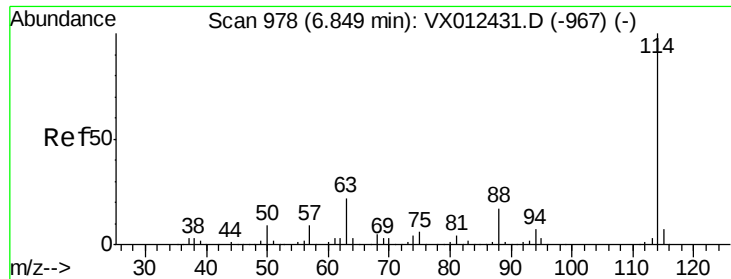
Tgt Ion: 56 Resp: 4218
Ion Ratio Lower Upper
56 100
69 168.3 25.0 37.6#
84 131.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.207 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012689.D
Acq: 27 Sep 2019 10:55

Tgt Ion: 65 Resp: 116802
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.2

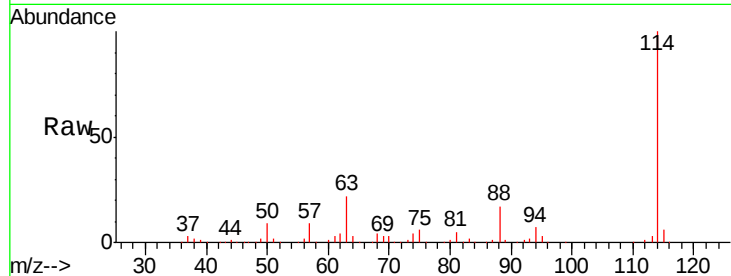




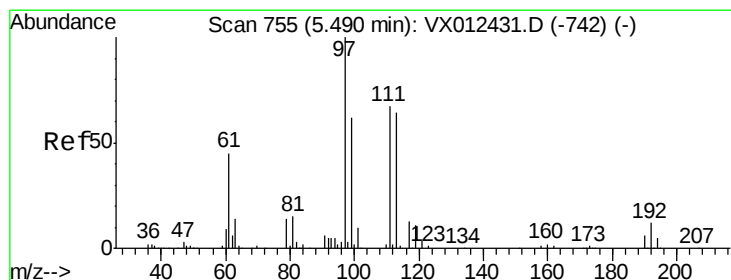
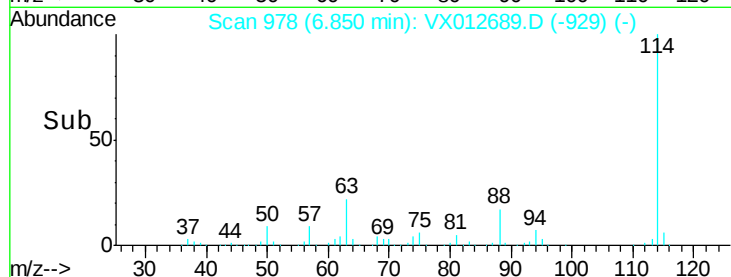
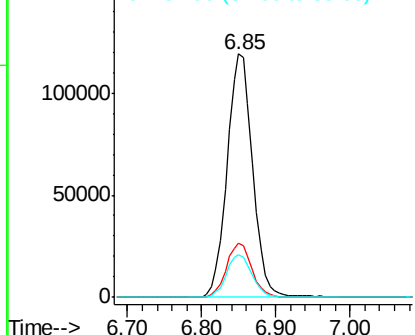
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012689.D
 Acq: 27 Sep 2019 10:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBL01

Tgt Ion:114 Resp: 285913
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 17.5 0.0 33.2

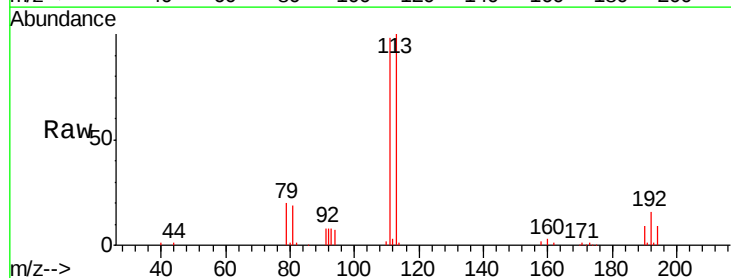


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

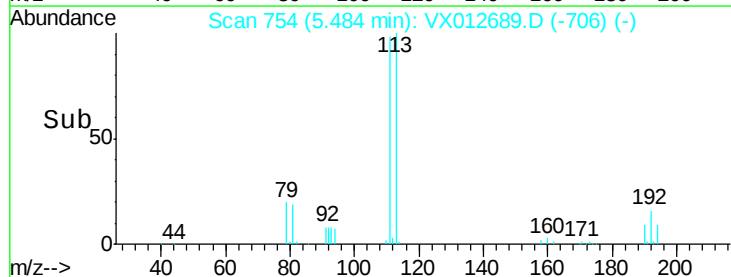
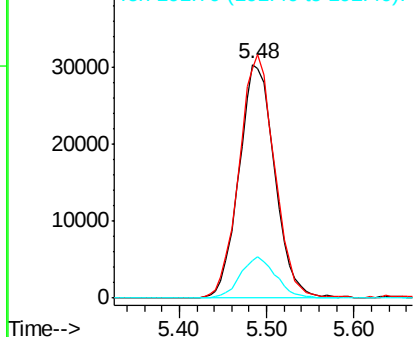


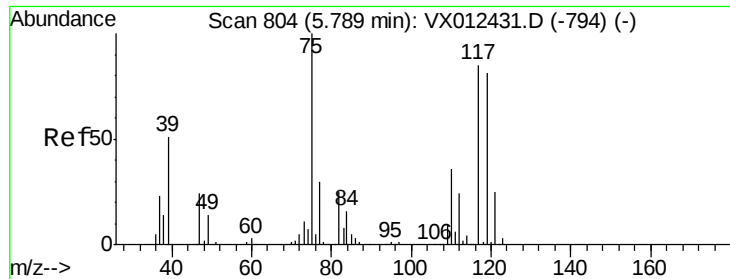
#35
 Dibromofluoromethane
 Concen: 50.570 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012689.D
 Acq: 27 Sep 2019 10:55

Tgt Ion:113 Resp: 86108
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.4 125.2
 192 17.5 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

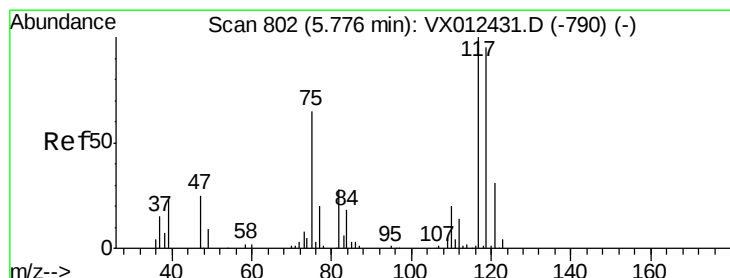
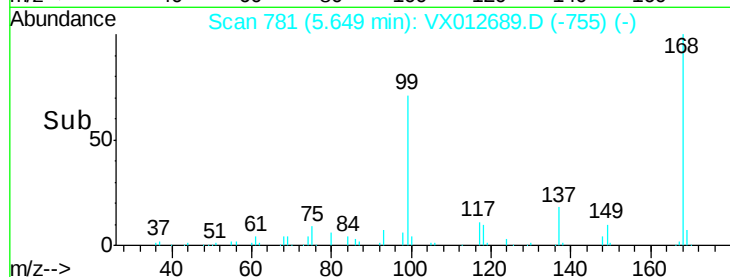
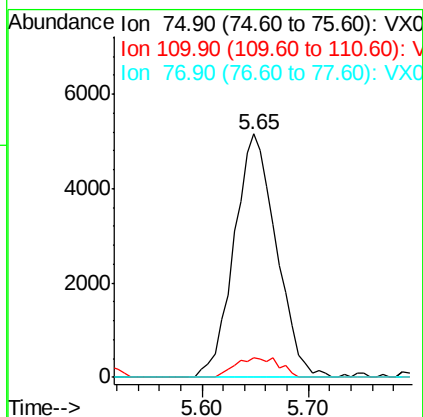
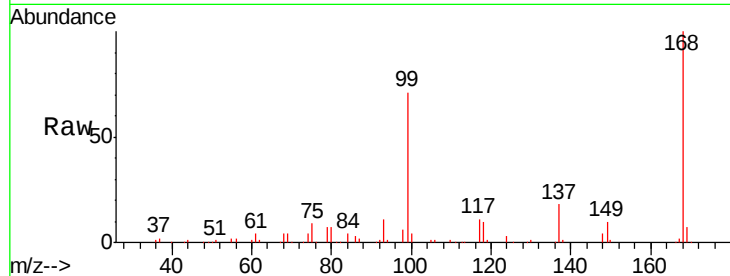




#36
 1,1-Dichloropropene
 Concen: 5.196 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012689.D
 Acq: 27 Sep 2019 10:55

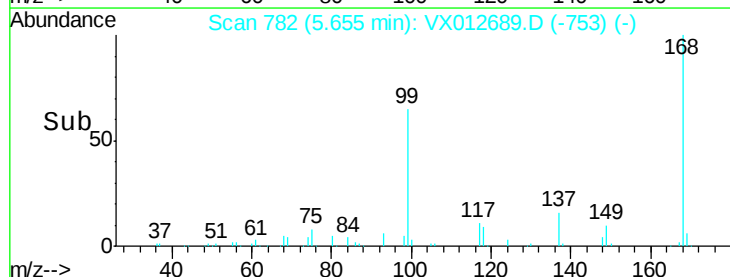
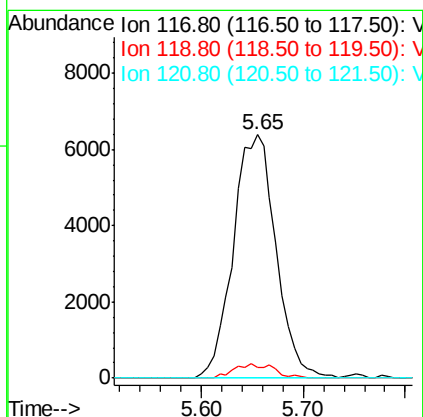
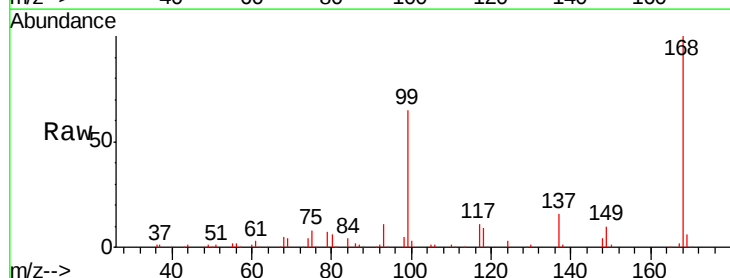
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBL01

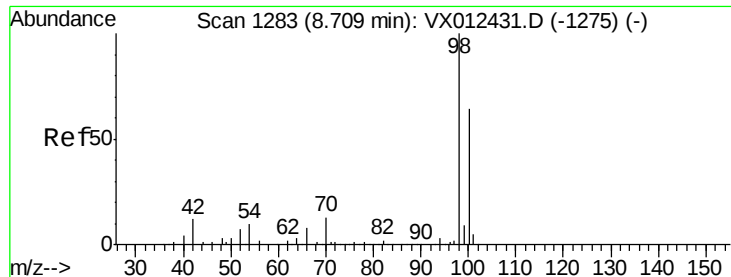
Tgt Ion: 75 Resp: 14320
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.615 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012689.D
 Acq: 27 Sep 2019 10:55

Tgt Ion: 117 Resp: 18519
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.7 113.5#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 52.026 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012689.D

Acq: 27 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

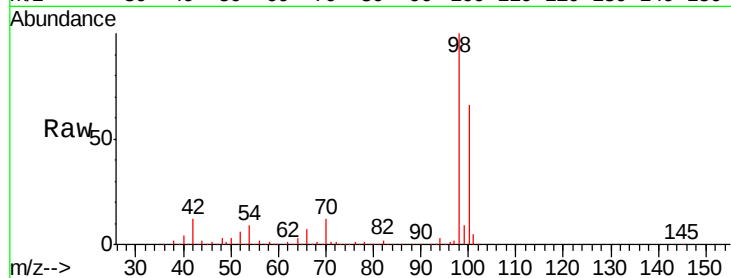
VX0927WBL01

Tgt Ion: 98 Resp: 341154

Ion Ratio Lower Upper

98 100

100 67.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

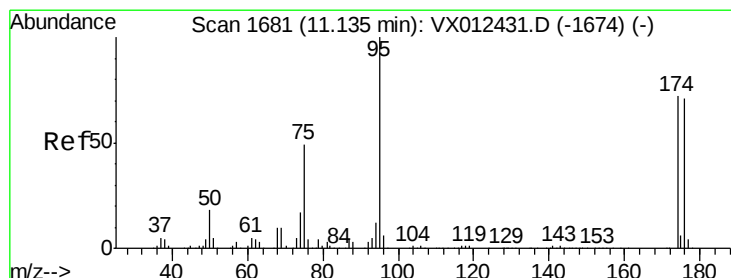
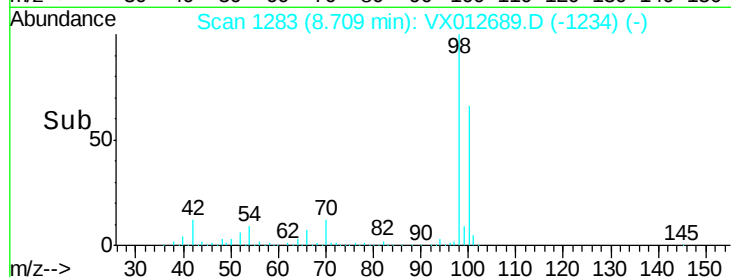
100000

50000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.560 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012689.D

Acq: 27 Sep 2019 10:55

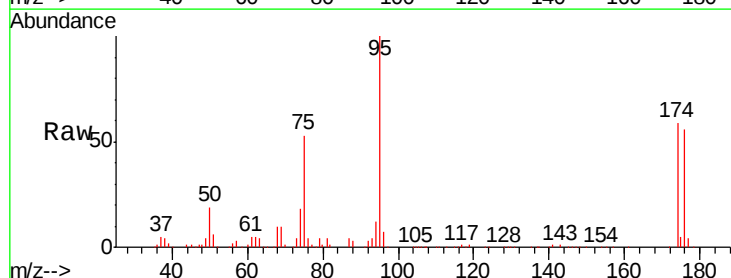
Tgt Ion: 95 Resp: 120048

Ion Ratio Lower Upper

95 100

174 68.0 0.0 140.0

176 64.0 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

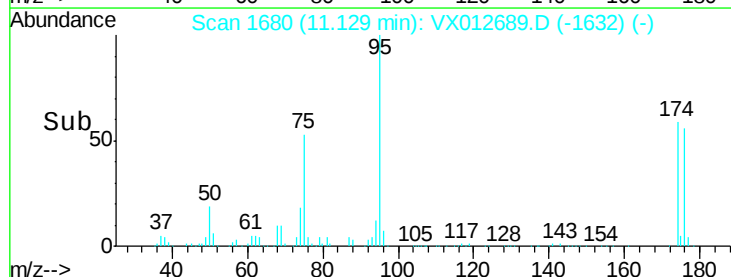
40000

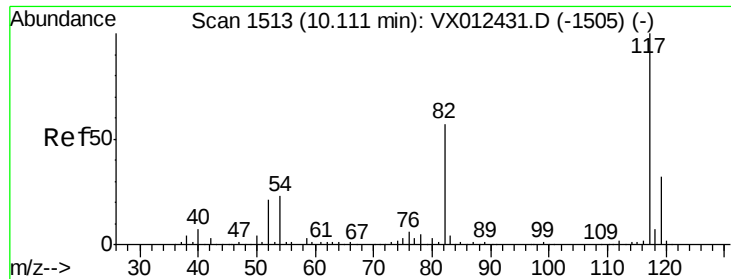
20000

0

Time-->

11.10 11.20

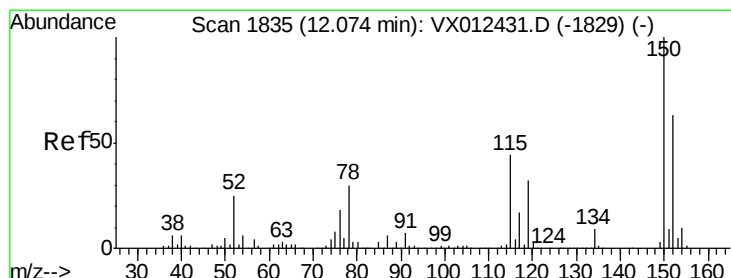
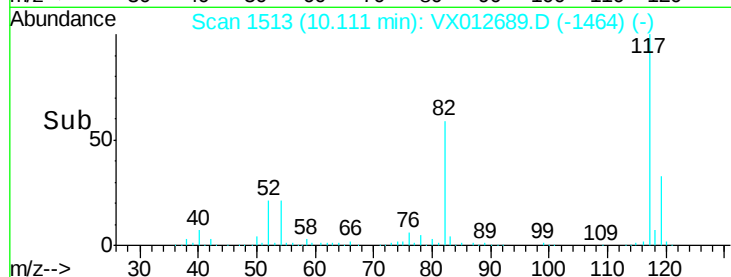
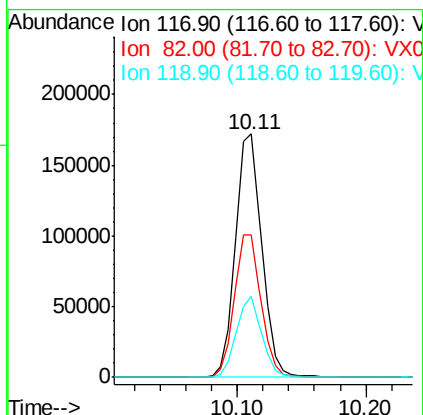
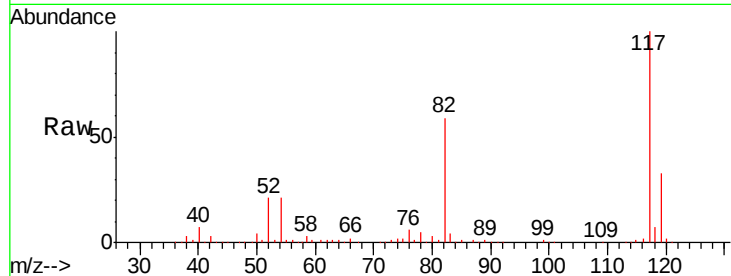




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012689.D
Acq: 27 Sep 2019 10:55

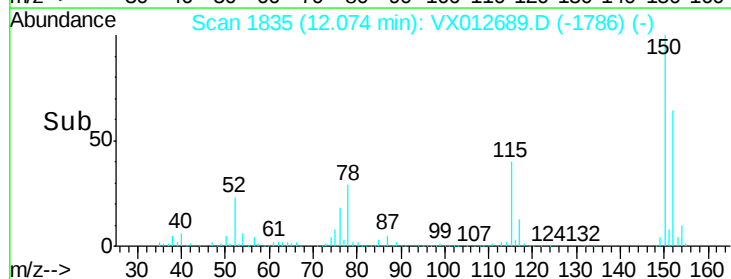
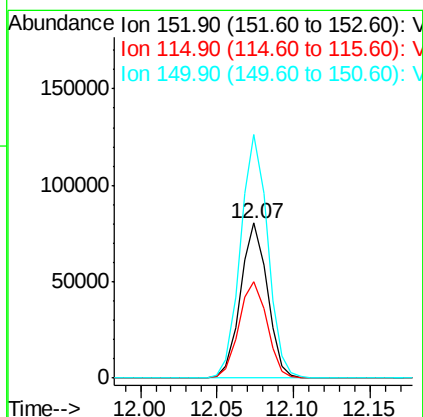
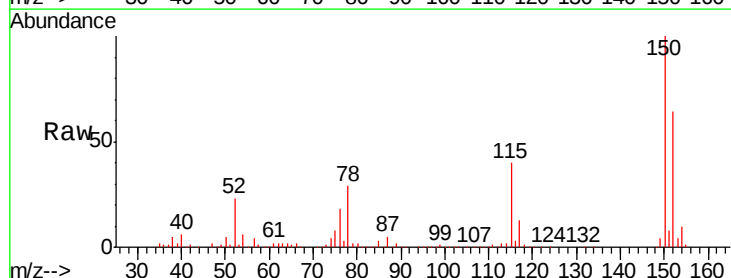
Instrument :
MSVOA_X
ClientSampleId :
VX0927WBL01

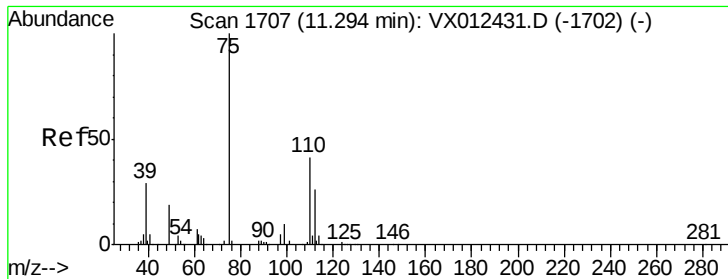
Tgt Ion:117 Resp: 24528
Ion Ratio Lower Upper
117 100
82 58.5 45.9 68.9
119 33.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012689.D
Acq: 27 Sep 2019 10:55

Tgt Ion:152 Resp: 98246
Ion Ratio Lower Upper
152 100
115 64.7 44.1 132.3
150 159.0 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 24.483 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012689.D

Acq: 27 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

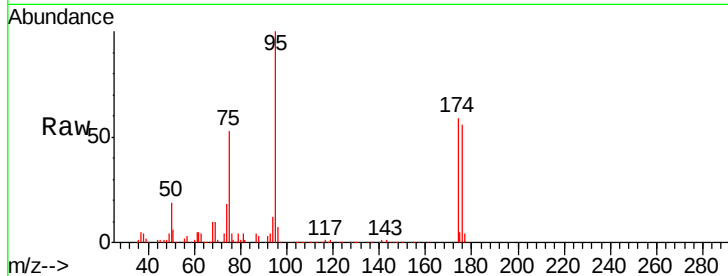
VX0927WBL01

Tgt Ion: 75 Resp: 63628

Ion Ratio Lower Upper

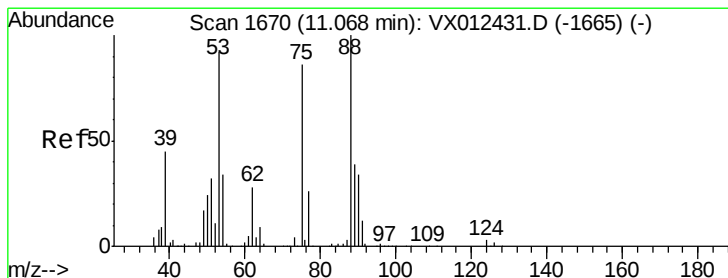
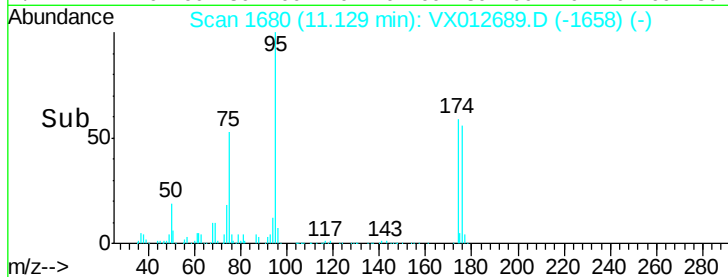
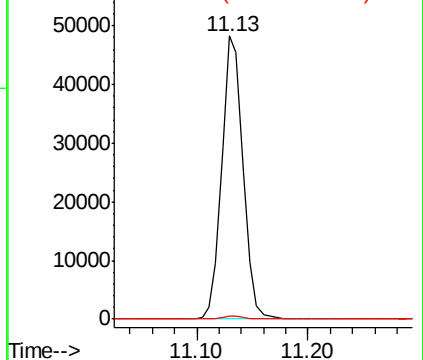
75 100

77 1.2 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: 70.163 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012689.D

Acq: 27 Sep 2019 10:55

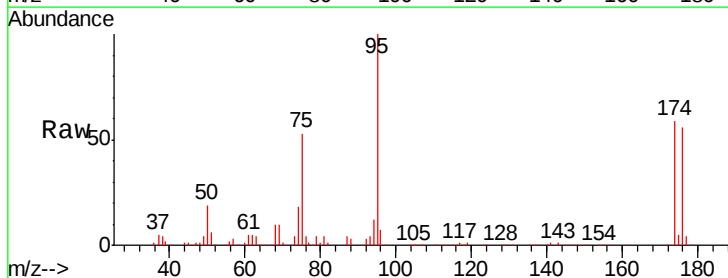
Tgt Ion: 75 Resp: 63628

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

