

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008889.D
 Acq On : 12 Apr 2019 16:17
 Operator : JC/SP
 Sample : K2366-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW124-20190409

Quant Time: Apr 13 04:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	191402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309537	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	265535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112653	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	128437	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
35) Dibromofluoromethane	5.50	113	92629	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	8.71	98	387099	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.13	95	127953	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	

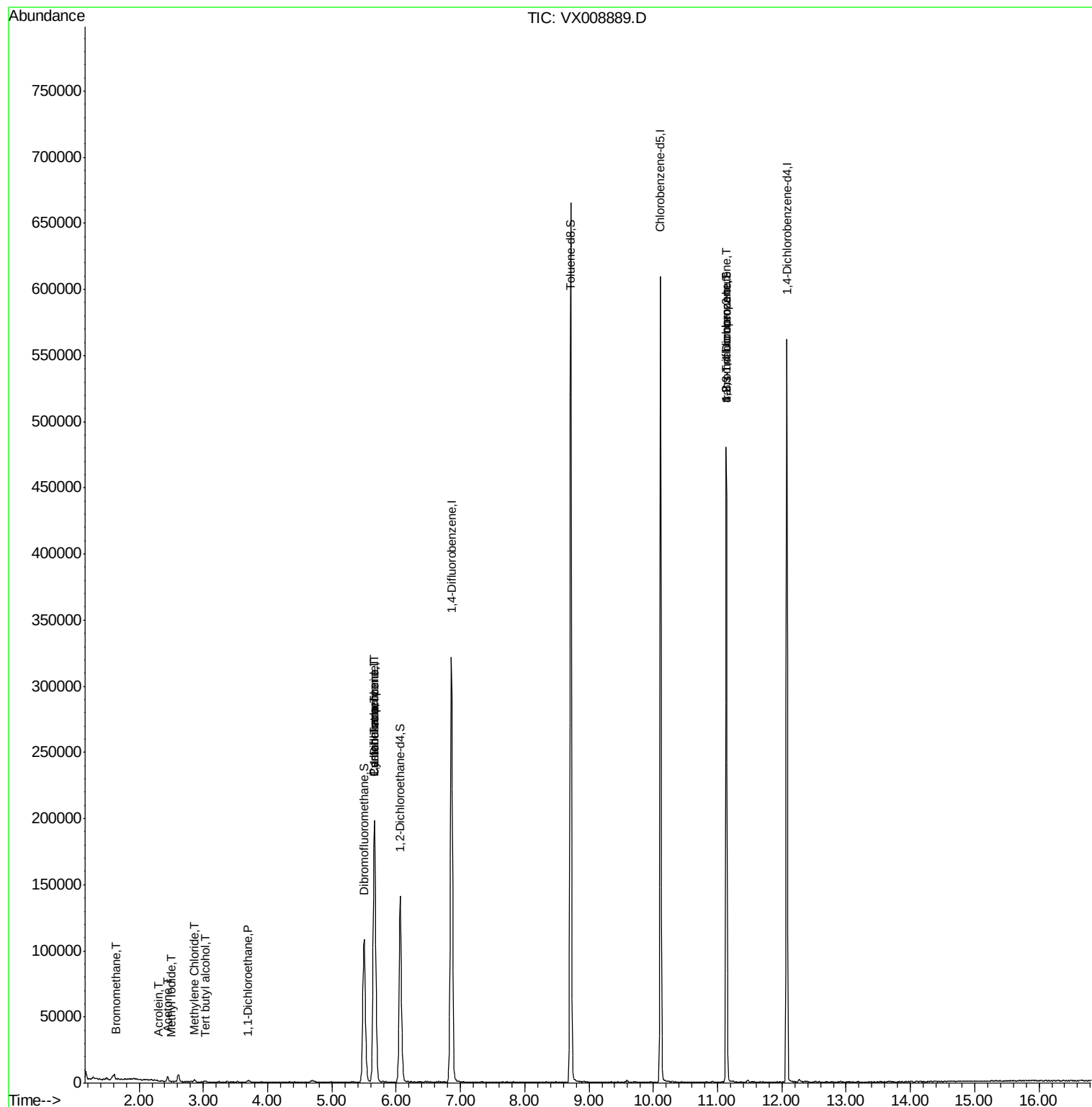
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	466	Below Cal	#	70
5) Bromomethane	1.64	94	102	1.952	ug/l #	58
6) Chloroethane	1.71	64	82	Below Cal	#	76
10) Methyl Iodide	2.50	142	44	4.024	ug/l #	42
11) Tert butyl alcohol	3.03	59	697	1.066	ug/l #	89
13) Acrolein	2.30	56	207	0.639	ug/l #	65
16) Acetone	2.44	43	4563	2.838	ug/l	90
17) Carbon Disulfide	2.57	76	679	Below Cal	#	75
20) Methylene Chloride	2.86	84	768	0.285	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	1208	0.250	ug/l #	85
28) Bromochloromethane	5.04	49	26	Below Cal	#	22
31) Cyclohexane	5.65	56	4258	0.883	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15593	4.608	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18596	6.640	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	65154	21.054	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65154	58.035	ug/l #	9

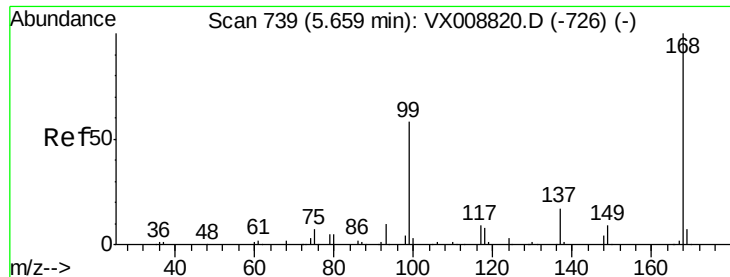
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041219\
Data File : VX008889.D
Acq On : 12 Apr 2019 16:17
Operator : JC/SP
Sample : K2366-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-SW124-20190409

Quant Time: Apr 13 04:59:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

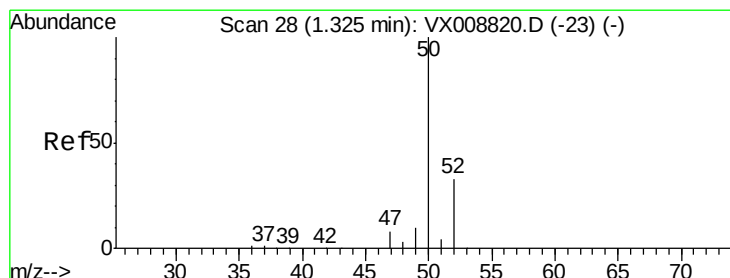
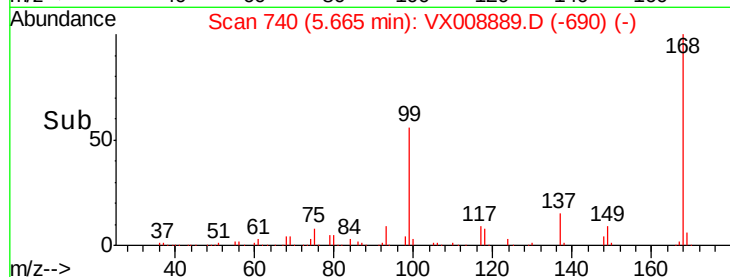
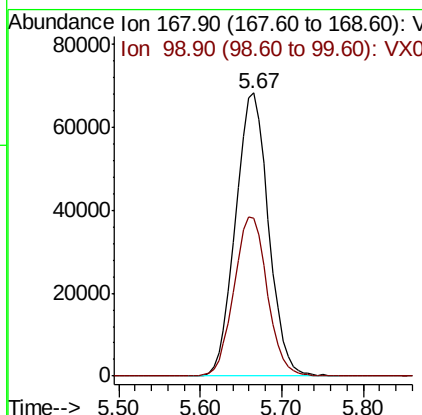
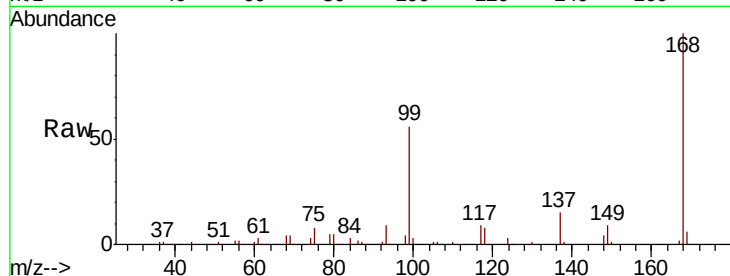




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

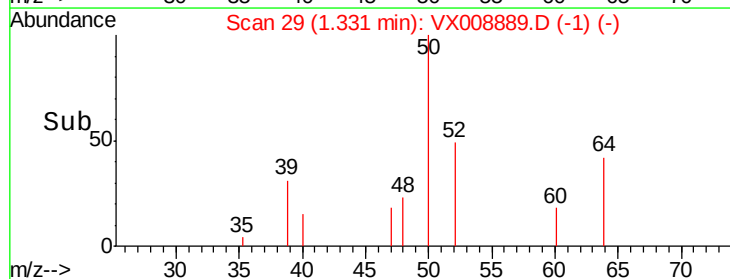
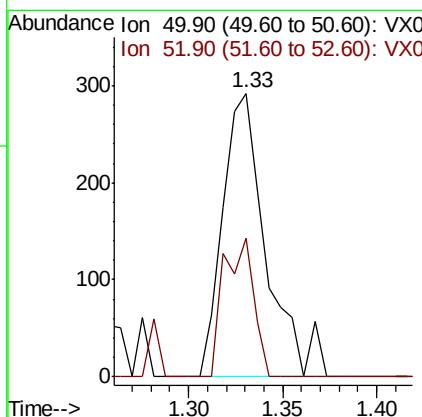
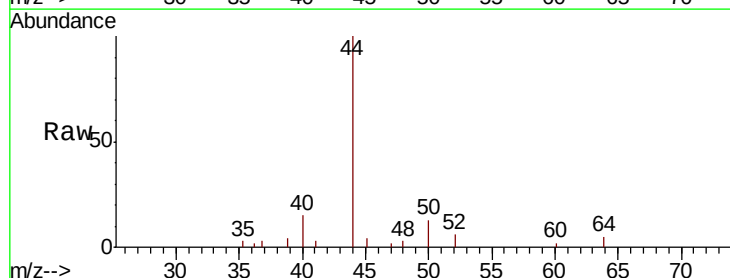
Instrument :
MSVOA_X
ClientSampleId :
SA-SW124-20190409

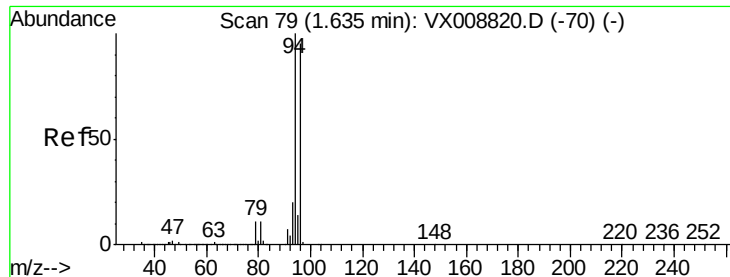
Tot Ion:168 Resp: 191402
Ion Ratio Lower Upper
168 100
99 55.8 46.7 70.1



#3
Chloromethane
Concen: Below Cal
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

Tgt Ion: 50 Resp: 466
Ion Ratio Lower Upper
50 100
52 49.0 25.8 38.8#





#5

Bromomethane

Concen: 1.952 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008889.D

Acq: 12 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

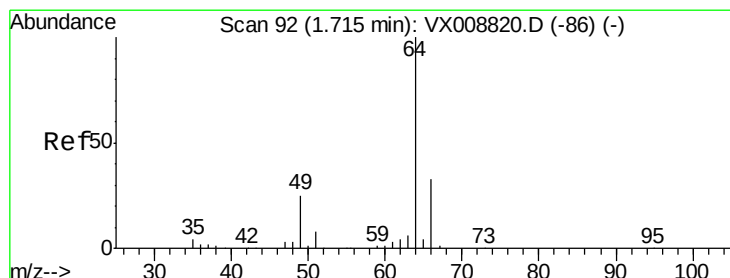
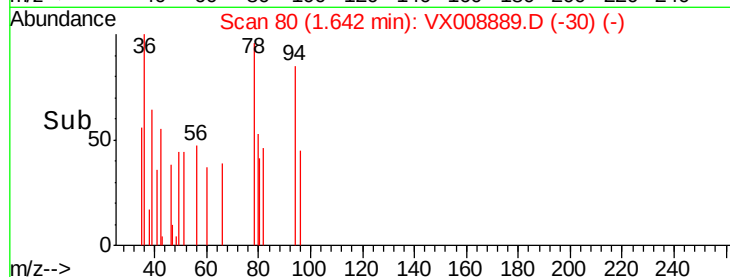
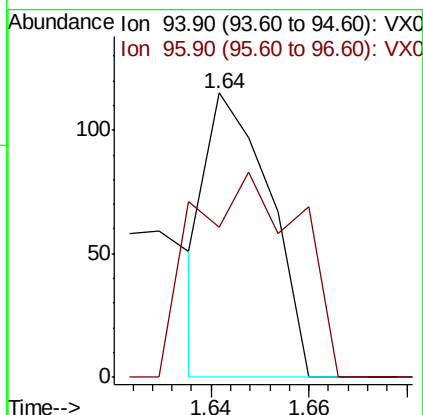
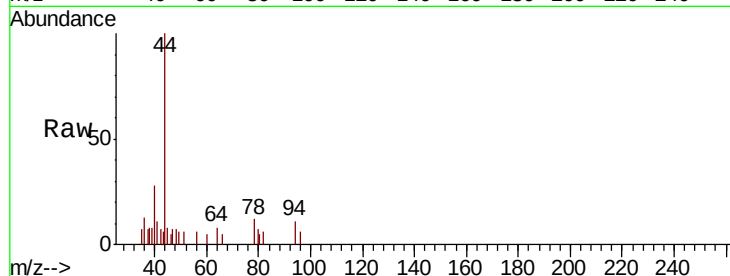
SA-SW124-20190409

Tot Ion: 94 Resp: 102

Ion Ratio Lower Upper

94 100

96 53.0 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008889.D

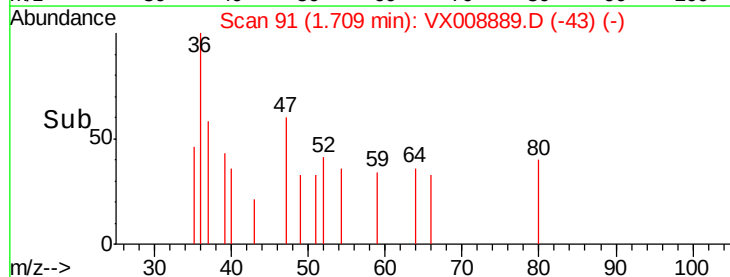
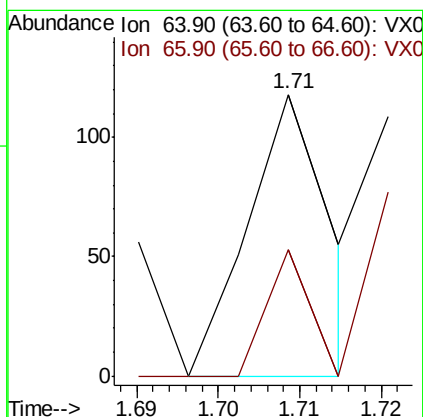
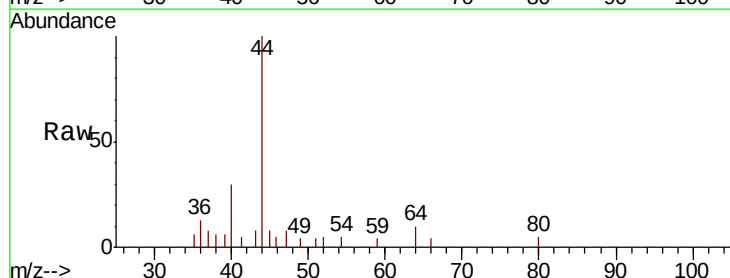
Acq: 12 Apr 2019 16:17

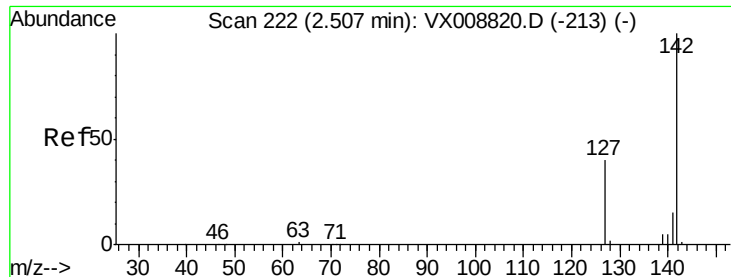
Tgt Ion: 64 Resp: 82

Ion Ratio Lower Upper

64 100

66 44.9 25.4 38.0#

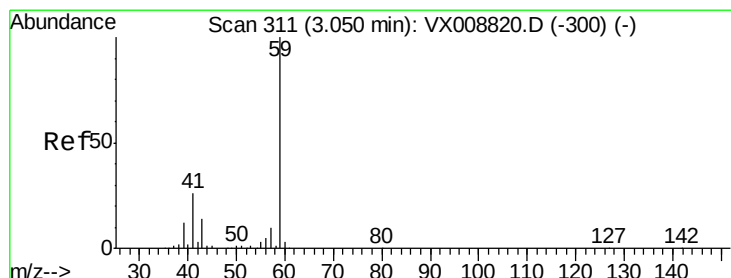
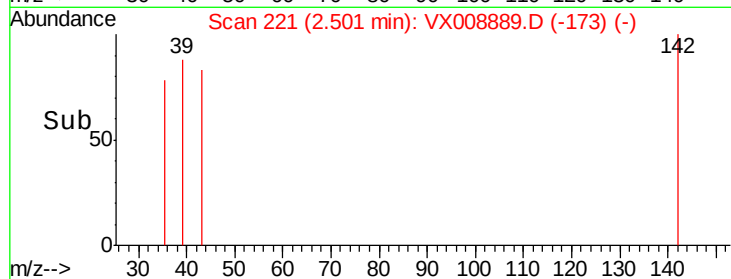
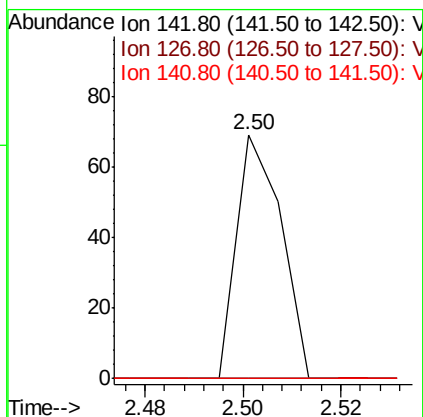
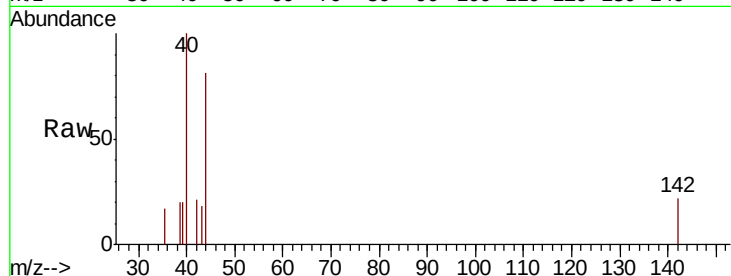




#10
Methvl Iodide
Concen: 4.024 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

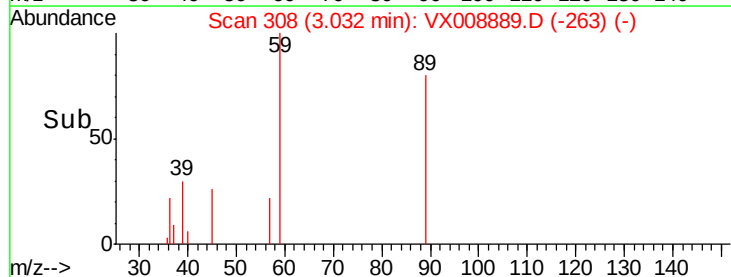
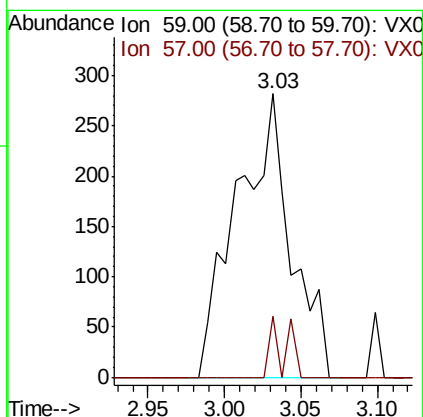
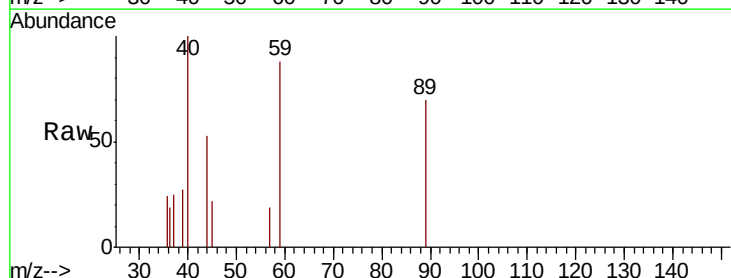
Instrument :
MSVOA_X
ClientSampleId :
SA-SW124-20190409

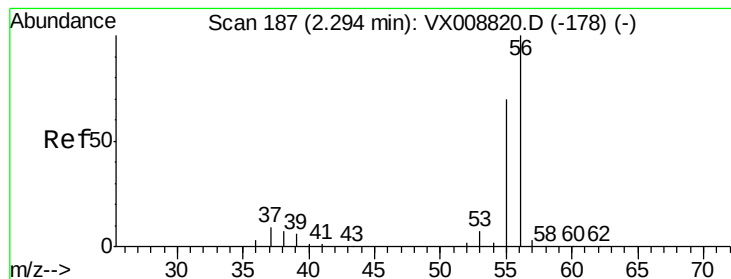
Tot Ion:142 Resp: 44
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.066 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

Tgt Ion: 59 Resp: 697
Ion Ratio Lower Upper
59 100
57 6.3 8.3 12.5#





#13

Acrolein

Concen: 0.639 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008889.D

Acq: 12 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

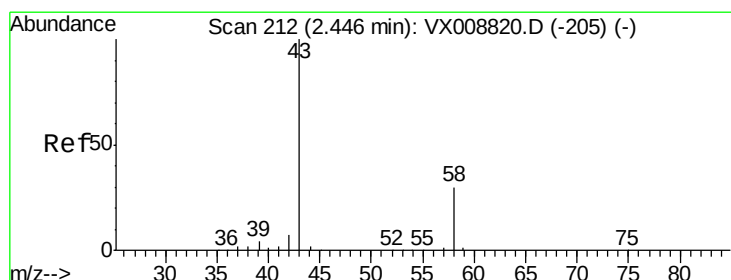
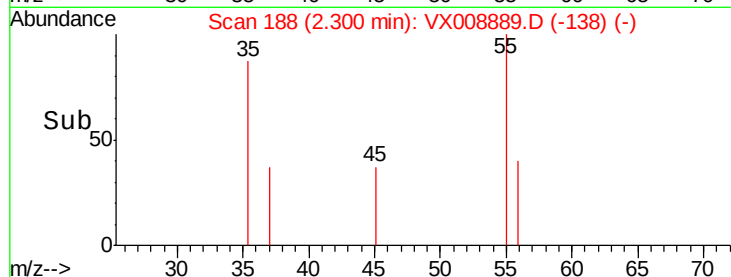
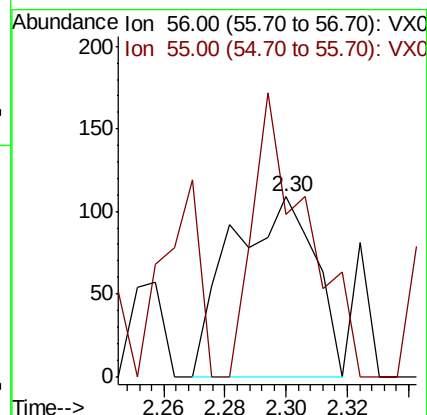
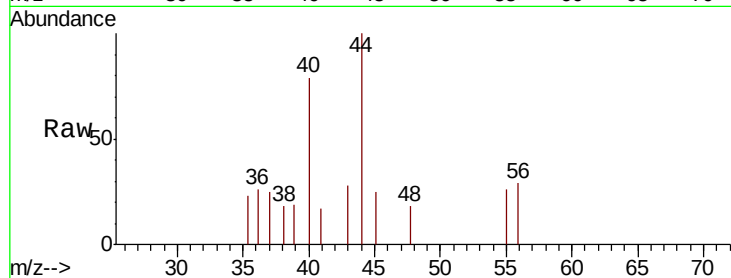
SA-SW124-20190409

Tot Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 101.4 58.0 87.0#



#16

Acetone

Concen: 2.838 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008889.D

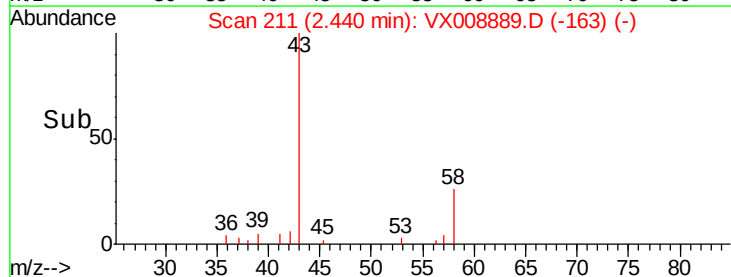
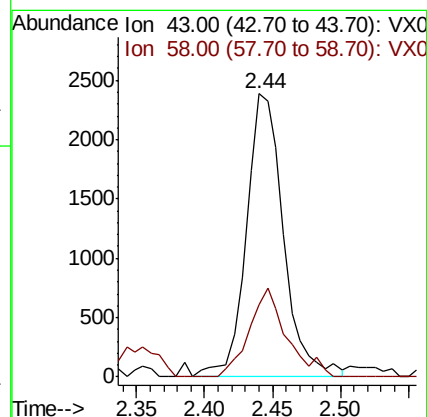
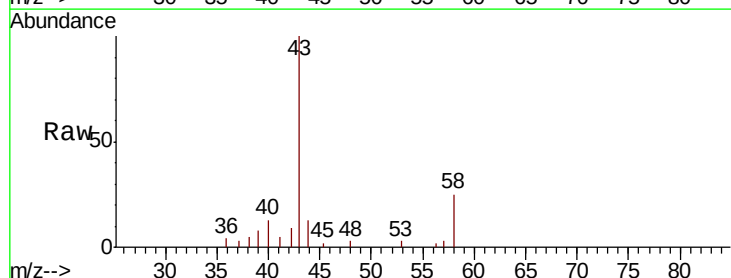
Acq: 12 Apr 2019 16:17

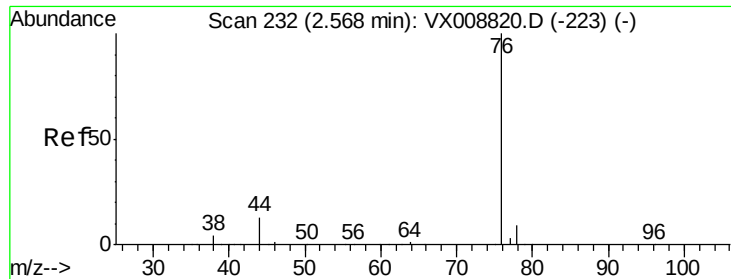
Tgt Ion: 43 Resp: 4563

Ion Ratio Lower Upper

43 100

58 25.5 24.8 37.2

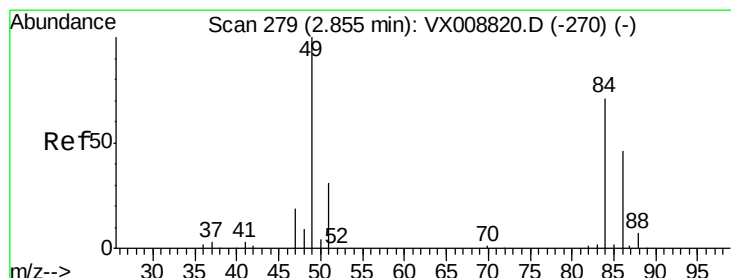
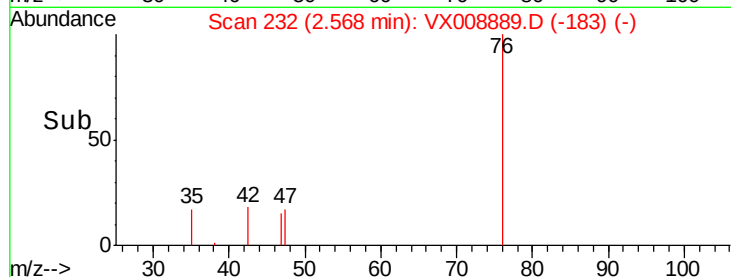
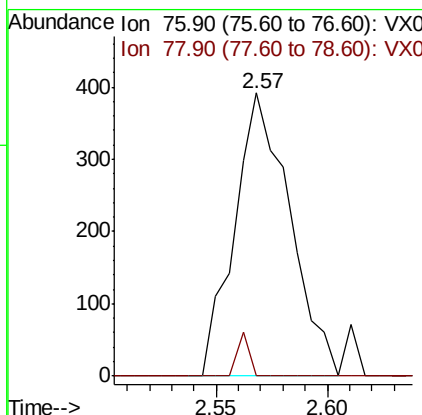
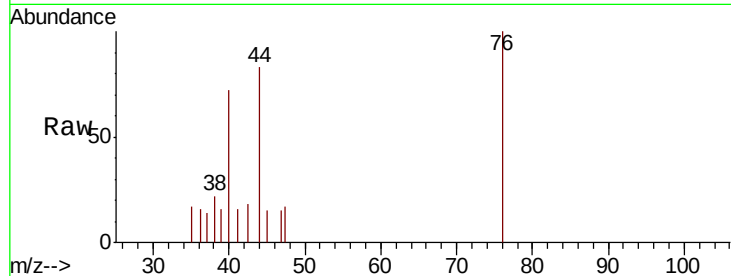




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

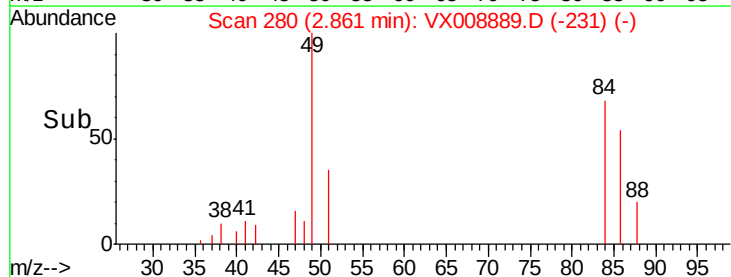
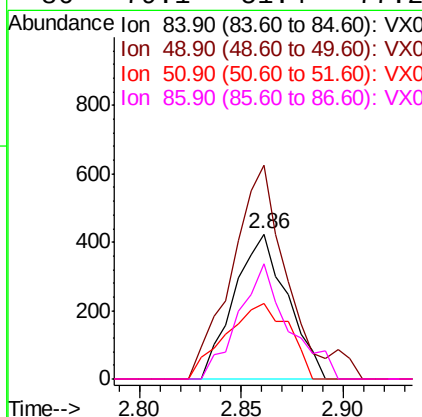
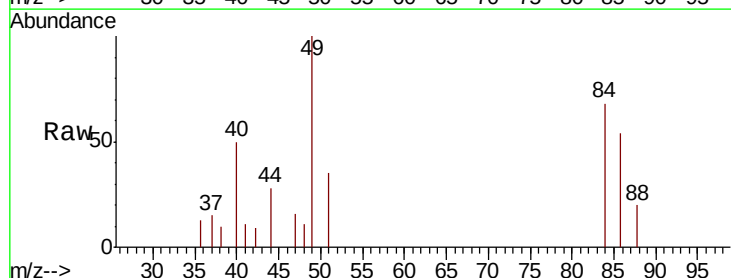
Instrument :
MSVOA_X
ClientSampleId :
SA-SW124-20190409

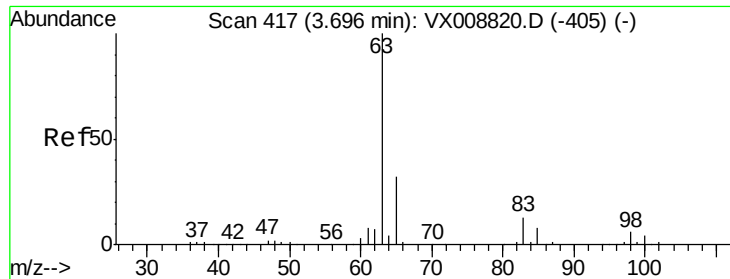
Tot Ion: 76 Resp: 679
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#20
Methylene Chloride
Concen: 0.285 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

Tgt Ion: 84 Resp: 768
Ion Ratio Lower Upper
84 100
49 147.1 109.7 164.5
51 51.8 33.6 50.4#
86 79.1 51.4 77.2#





#24

1,1-Dichloroethane

Concen: 0.250 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008889.D

Acq: 12 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

SA-SW124-20190409

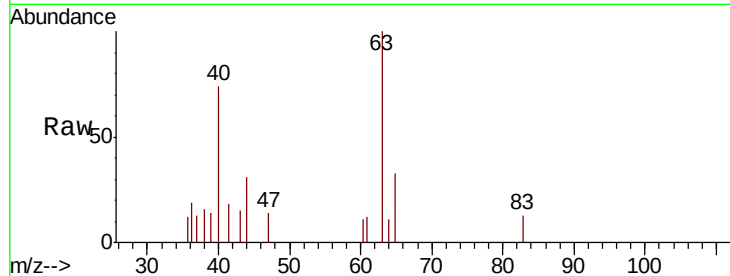
Tot Ion: 63 Resp: 1208

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

600

500

400

300

200

100

0

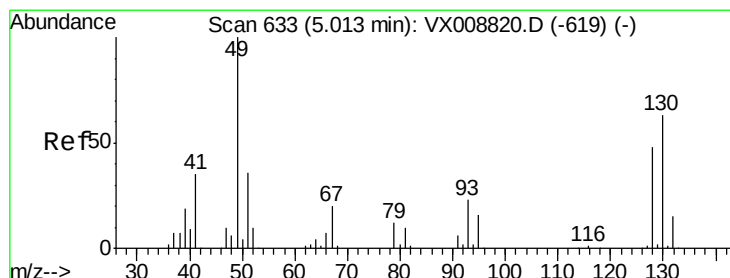
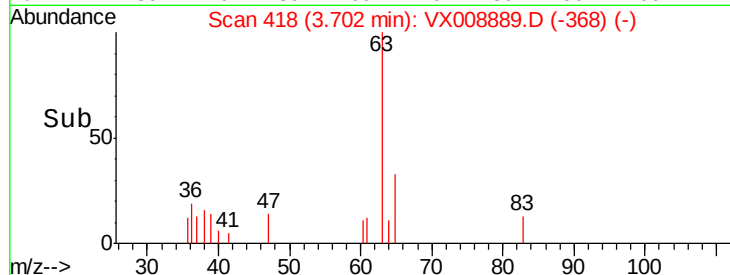
3.60

3.65

3.70

3.75

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX008889.D

Acq: 12 Apr 2019 16:17

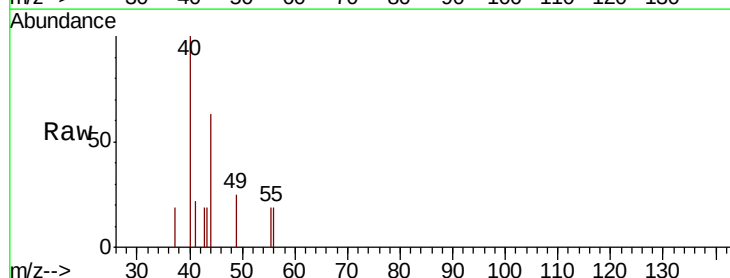
Tgt Ion: 49 Resp: 26

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

80

60

40

20

0

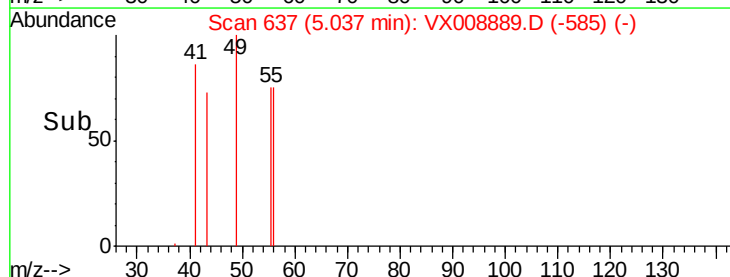
5.02

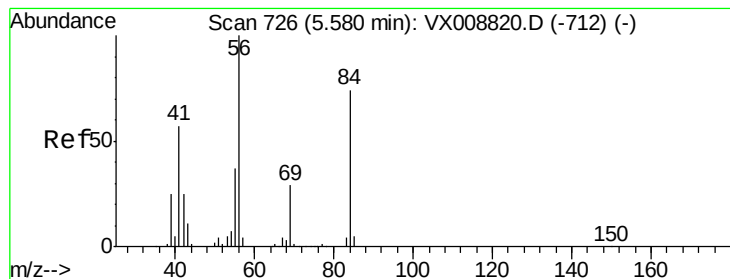
5.03

5.04

5.05

Time-->





#31

Cyclohexane

Concen: 0.883 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008889.D

Acq: 12 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

SA-SW124-20190409

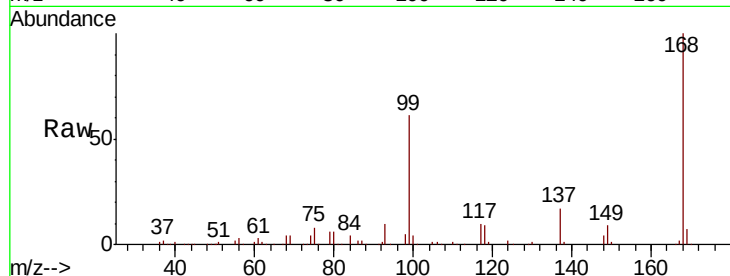
Tot Ion: 56 Resp: 4258

Ion Ratio Lower Upper

56 100

69 156.2 22.6 33.8#

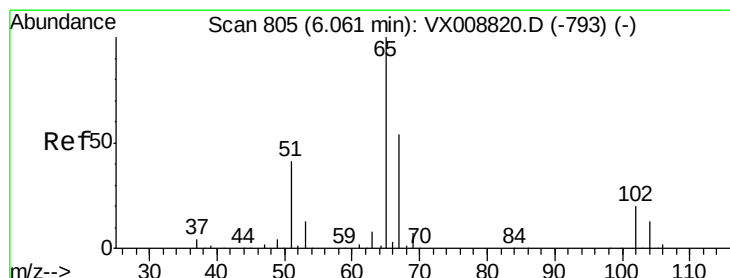
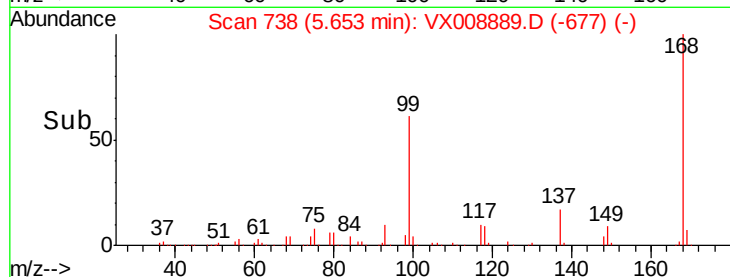
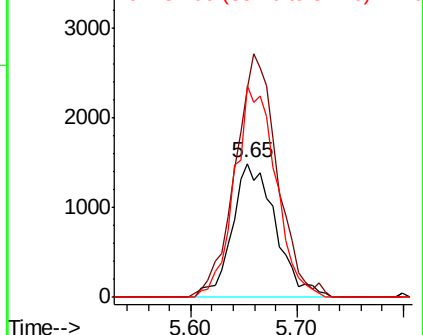
84 157.5 59.3 88.9#



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: 46.007 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008889.D

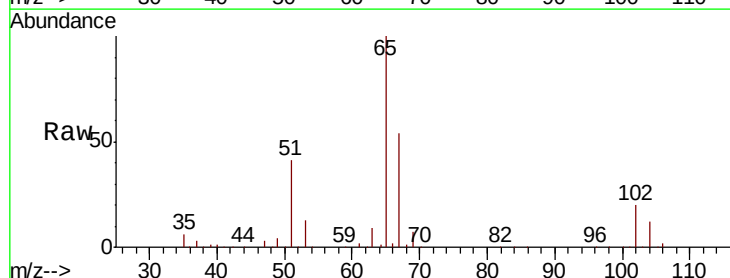
Acq: 12 Apr 2019 16:17

Tgt Ion: 65 Resp: 128437

Ion Ratio Lower Upper

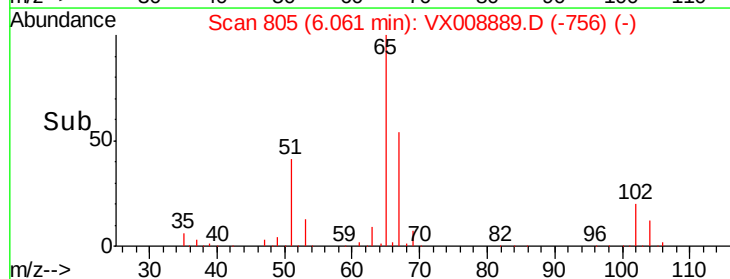
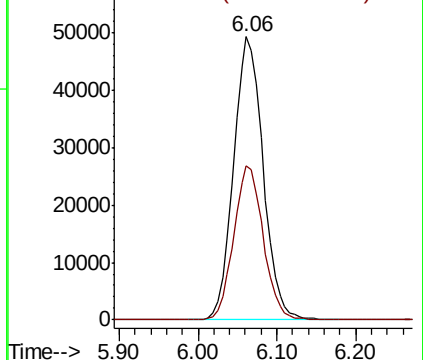
65 100

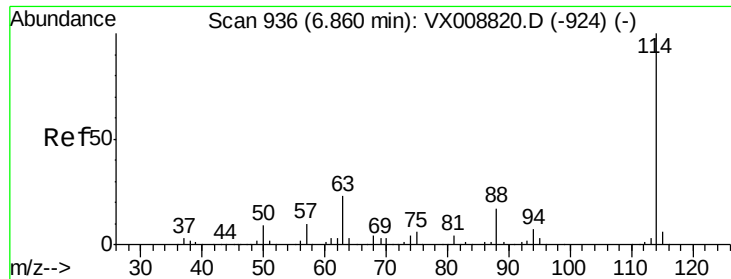
67 54.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

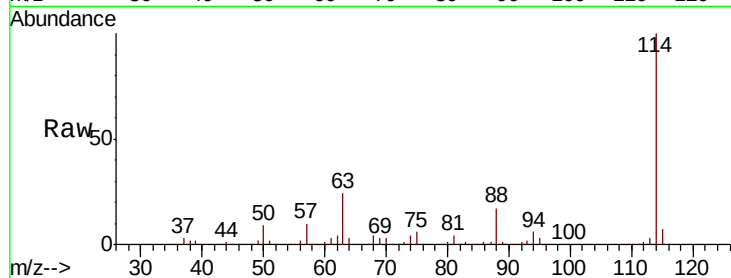




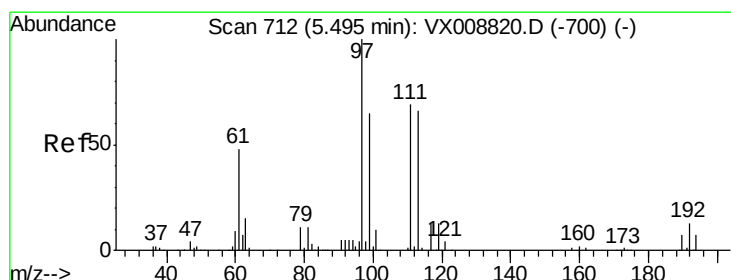
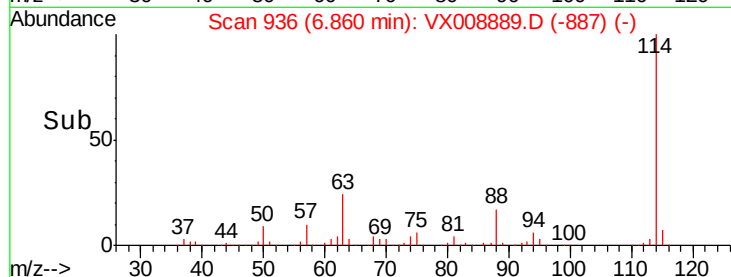
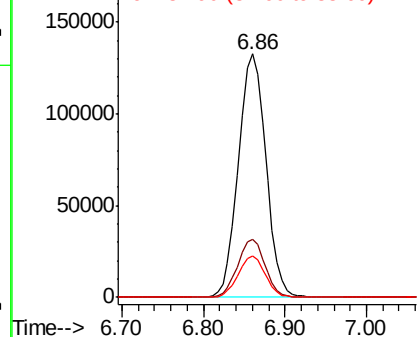
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

Instrument :
MSVOA_X
ClientSampleId :
SA-SW124-20190409

Tot Ion:114 Resp: 309537
Ion Ratio Lower Upper
114 100
63 24.0 0.0 47.2
88 16.9 0.0 34.0

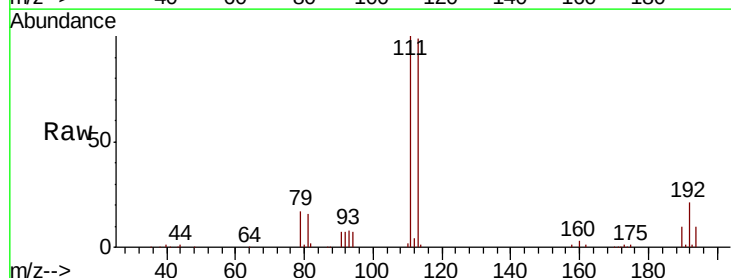


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

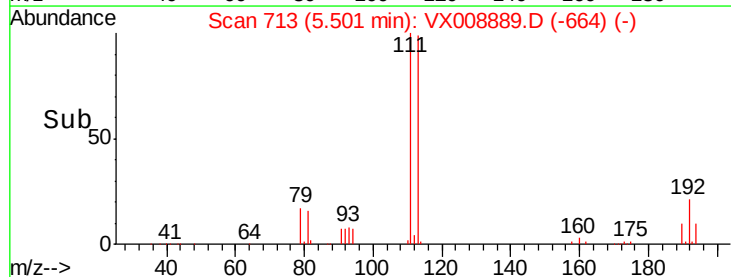
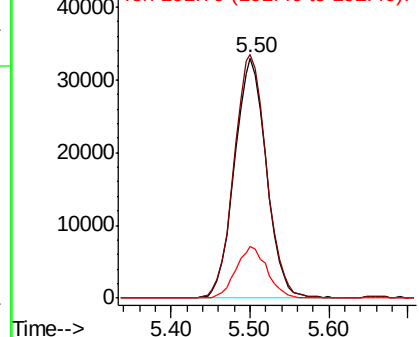


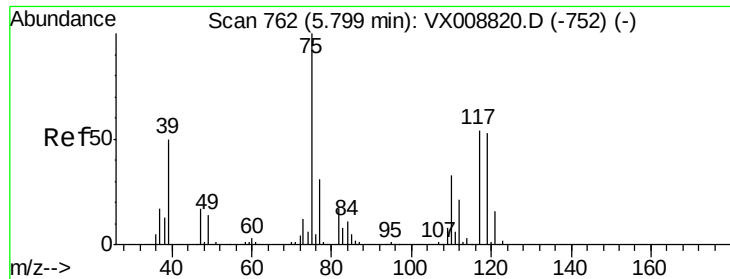
#35
Dibromofluoromethane
Concen: 46.804 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

Tgt Ion:113 Resp: 92629
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.2
192 21.0 16.1 24.1



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

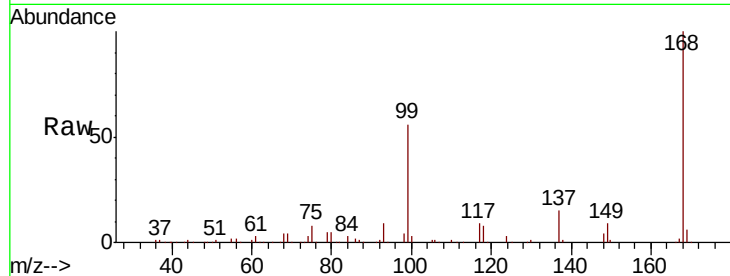




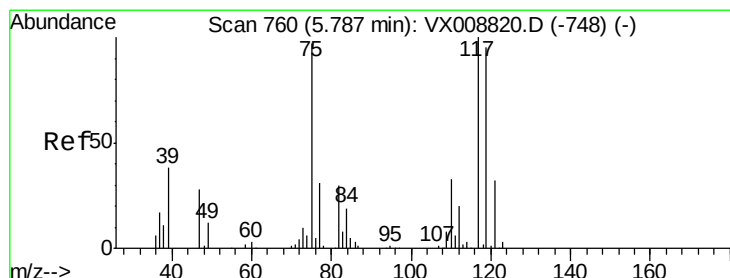
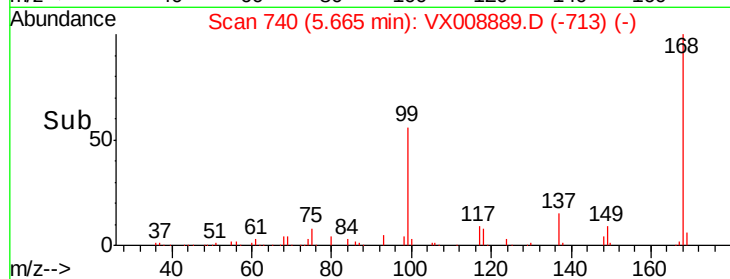
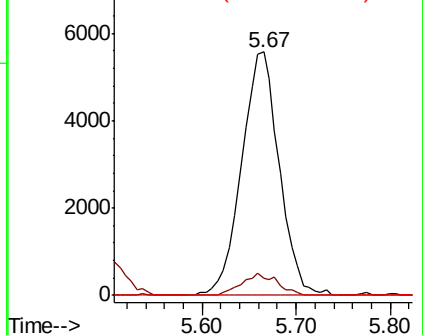
#36
 1,1-Dichloropropene
 Concen: 4.608 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008889.D
 Acq: 12 Apr 2019 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW124-20190409

Tot Ion	75	Resp	15593
Ion Ratio	Lower	Upper	
75	100		
110	8.5	16.4	49.2#
77	0.0	24.7	37.1#

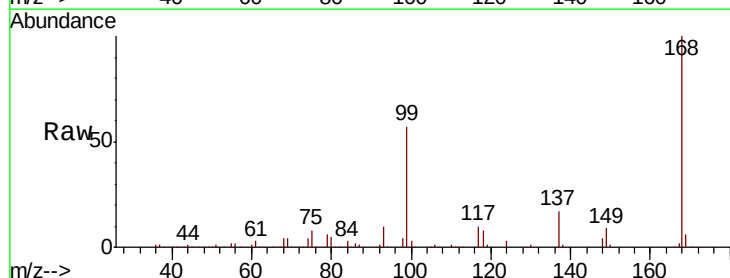


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

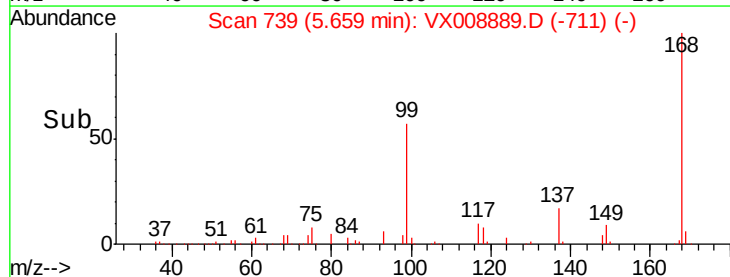
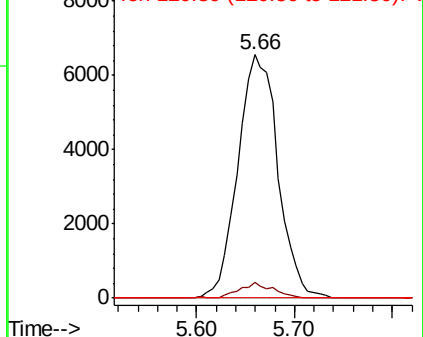


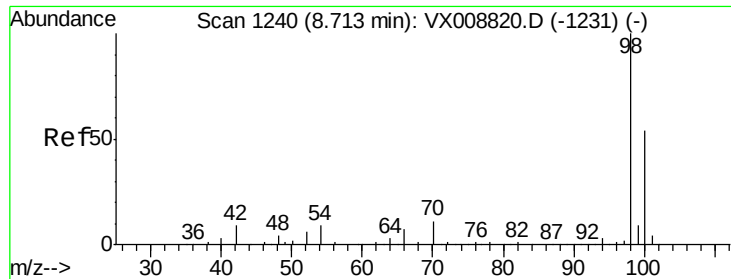
#38
 Carbon Tetrachloride
 Concen: 6.640 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008889.D
 Acq: 12 Apr 2019 16:17

Tgt Ion	117	Resp	18596
Ion Ratio	Lower	Upper	
117	100		
119	6.2	75.0	112.6#
121	0.0	24.3	36.5#



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: 49.124 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008889.D

Acq: 12 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

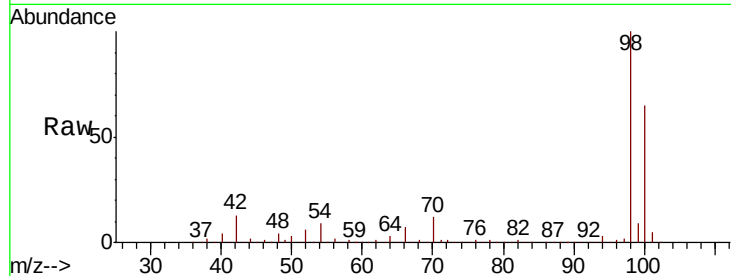
SA-SW124-20190409

Tot Ion: 98 Resp: 387099

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

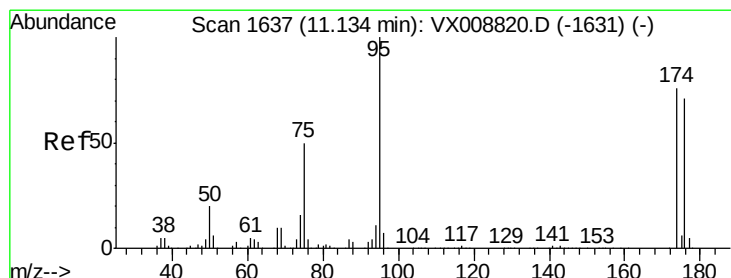
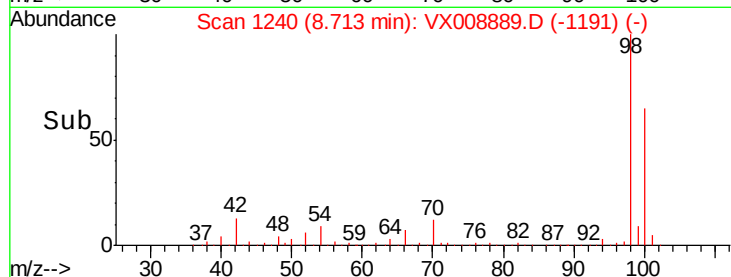
100000

50000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 45.789 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008889.D

Acq: 12 Apr 2019 16:17

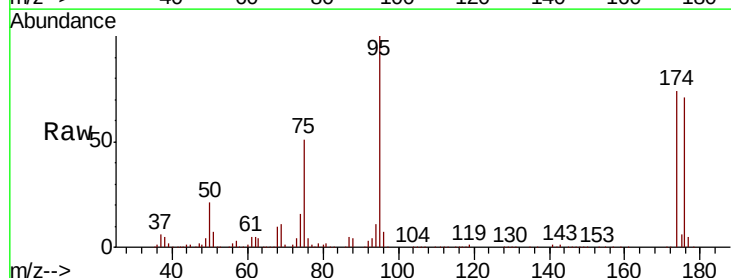
Tgt Ion: 95 Resp: 127953

Ion Ratio Lower Upper

95 100

174 78.9 0.0 151.8

176 76.5 0.0 145.8



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

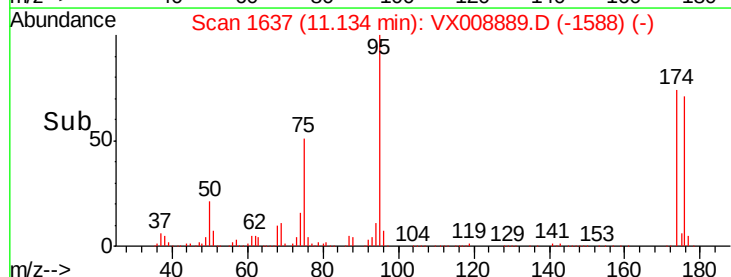
100000

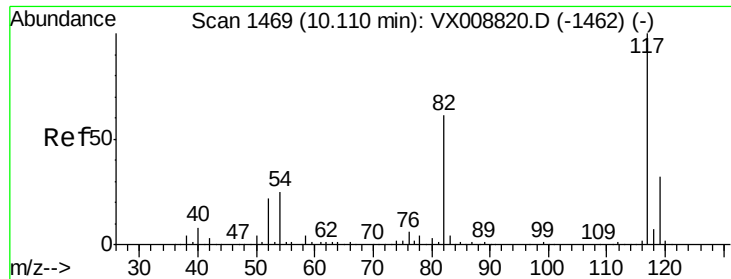
50000

0

11.10 11.13 11.16 11.19 11.22

Time-->

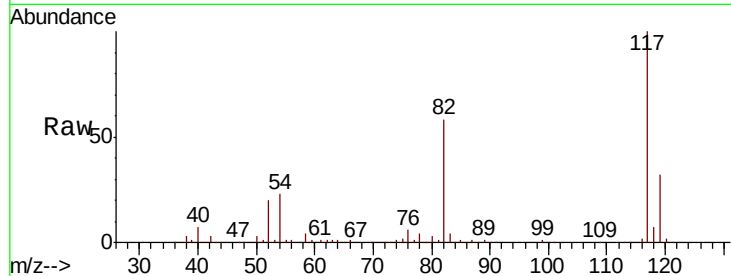




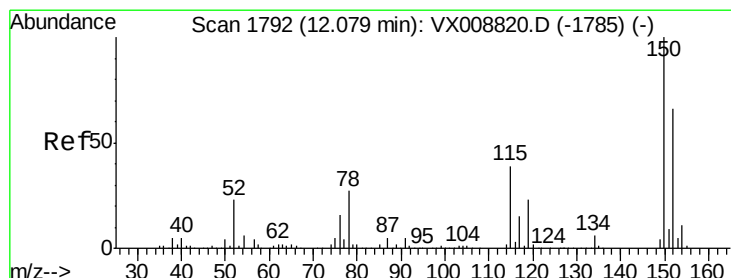
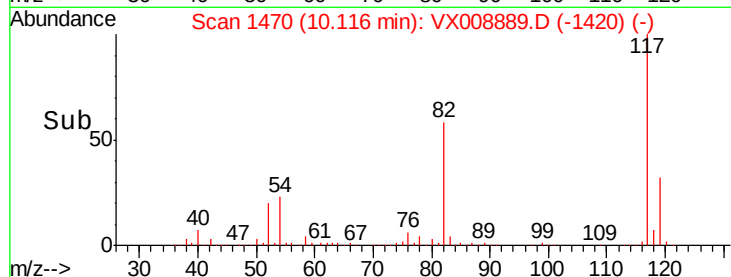
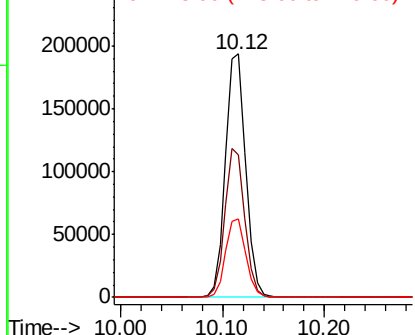
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

Instrument :
MSVOA_X
ClientSampleId :
SA-SW124-20190409

Tot Ion:117 Resp: 265535
Ion Ratio Lower Upper
117 100
82 58.4 49.6 74.4
119 32.1 25.0 37.4

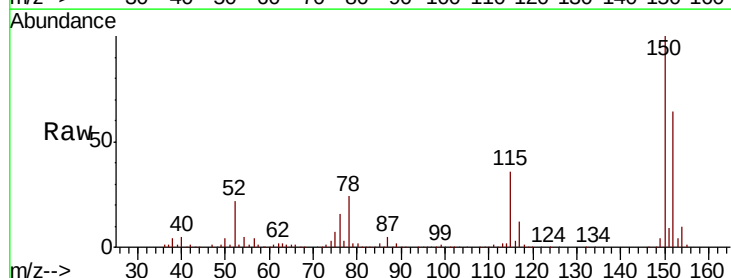


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

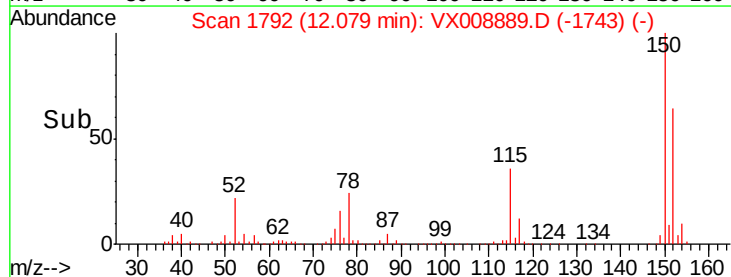
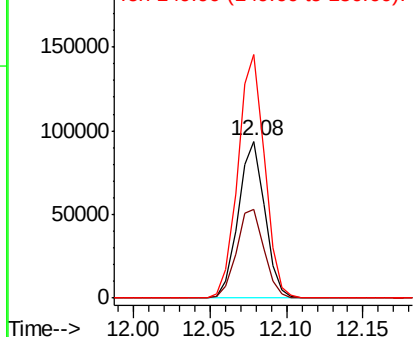


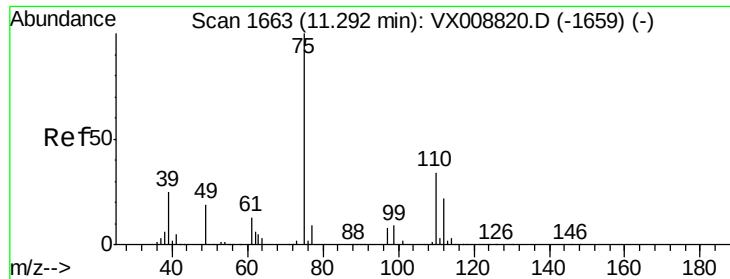
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008889.D
Acq: 12 Apr 2019 16:17

Tgt Ion:152 Resp: 112653
Ion Ratio Lower Upper
152 100
115 58.8 43.5 130.5
150 157.1 0.0 348.8



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: 21.054 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008889.D

Acq: 12 Apr 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

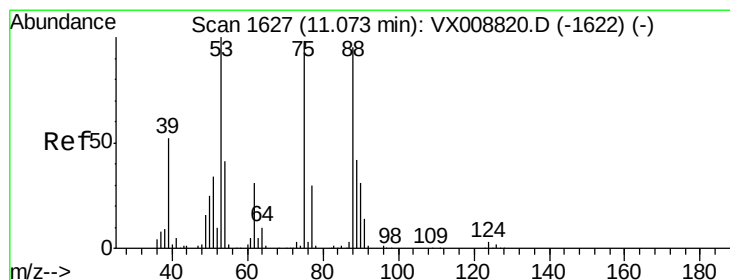
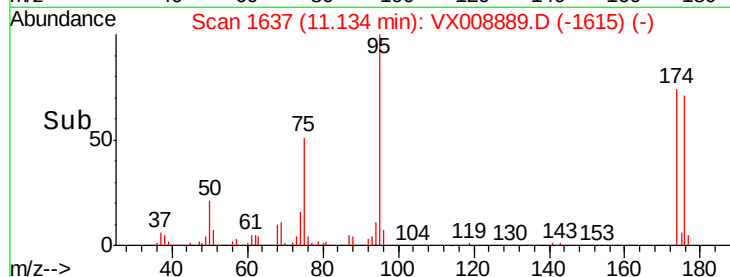
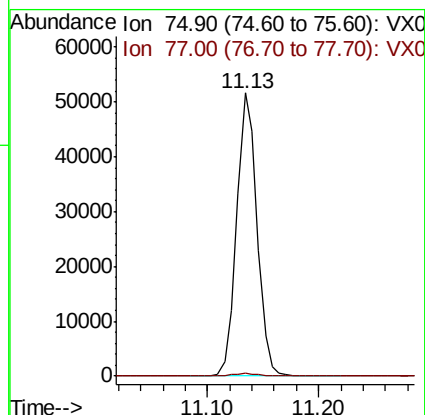
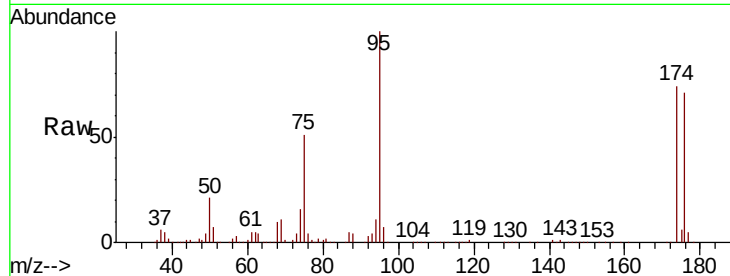
SA-SW124-20190409

Tot Ion: 75 Resp: 65154

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.035 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008889.D

Acq: 12 Apr 2019 16:17

Tgt Ion: 75 Resp: 65154

Ion Ratio Lower Upper

75 100

53 0.2 81.3 121.9#

89 0.0 35.6 53.4#

