

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005503.D
 Acq On : 23 Oct 2018 06:46
 Operator : JC/MD
 Sample : J5603-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GT102

Quant Time: Oct 23 07:40:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135474	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	141837	57.23	ug/l	0.00
Spiked Amount			Recovery	=	114.46%	
35) Dibromofluoromethane	5.50	113	109261	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
50) Toluene-d8	8.71	98	382817	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	11.14	95	124087	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	

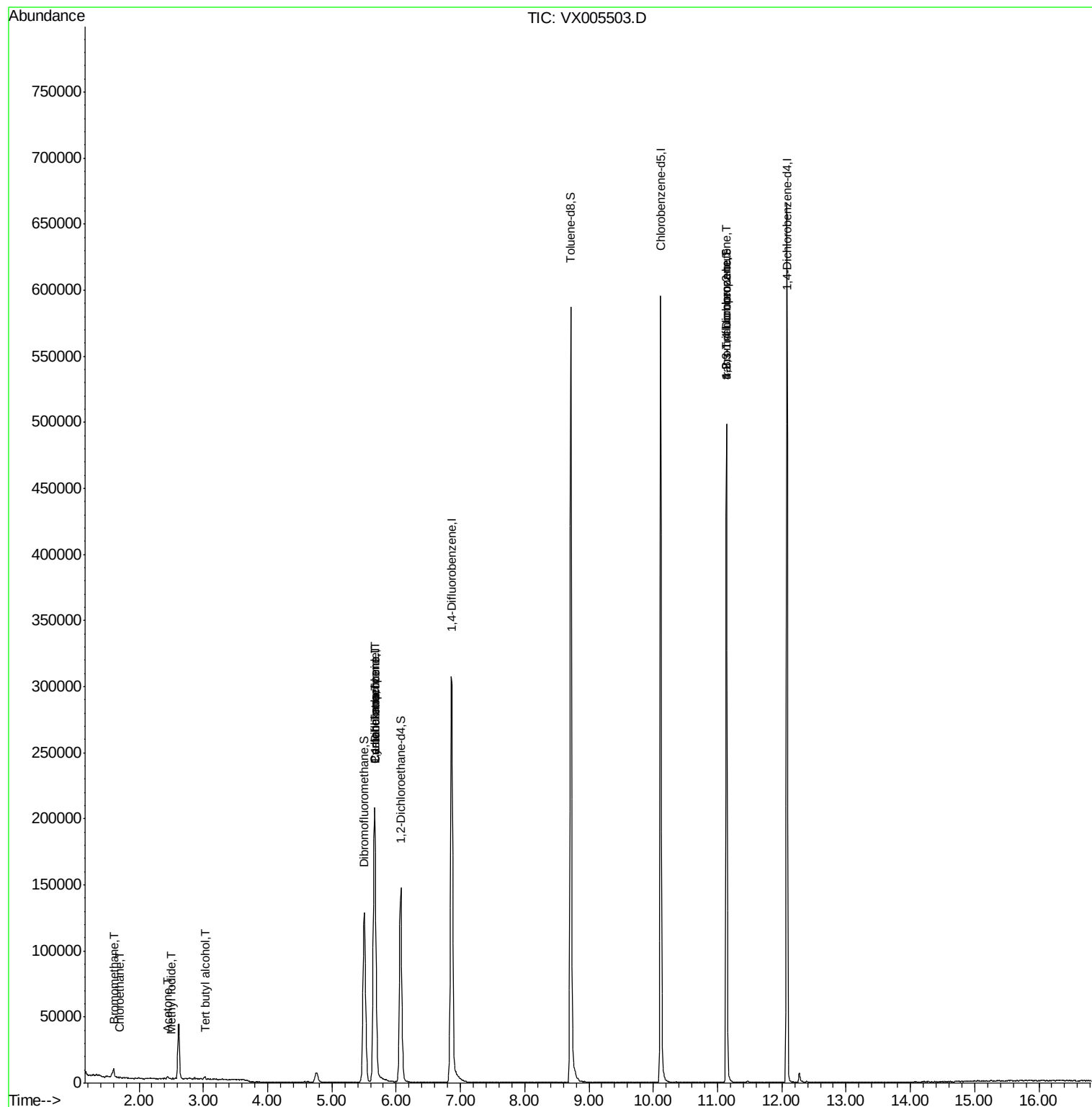
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	181	0.708	ug/l #	62
6) Chloroethane	1.71	64	22	0.348	ug/l #	44
10) Methyl Iodide	2.51	142	117	2.540	ug/l #	41
11) Tert butyl alcohol	3.03	59	1147	1.641	ug/l #	77
13) Acrolein	2.31	56	72	Below Cal	#	40
16) Acetone	2.45	43	1487	1.038	ug/l	96
20) Methylene Chloride	2.87	84	179	Below Cal	#	53
31) Cyclohexane	5.66	56	4300	1.262	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15082	4.871	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20136	6.472	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	63496	24.163	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	63496	73.419	ug/l #	10

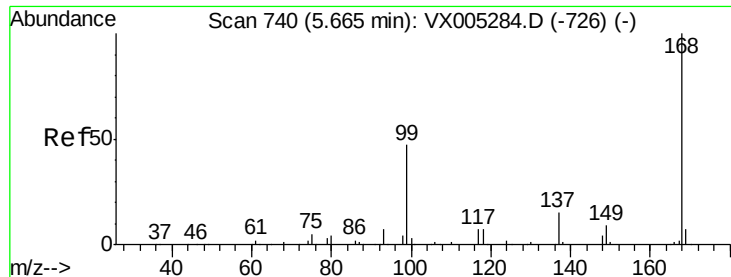
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005503.D
Acq On : 23 Oct 2018 06:46
Operator : JC/MD
Sample : J5603-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RAV-GT102

Quant Time: Oct 23 07:40:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

Instrument :

MSVOA_X

ClientSampleId :

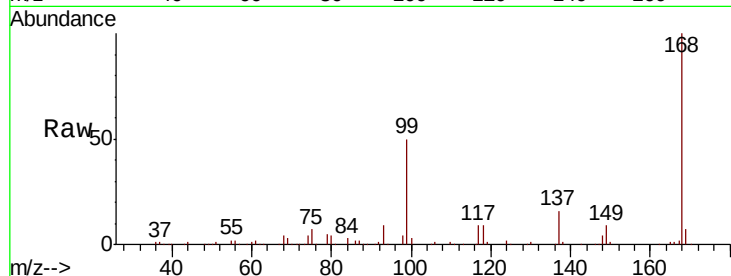
RAV-GT102

Tot Ion:168 Resp: 223317

Ion Ratio Lower Upper

168 100

99 50.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

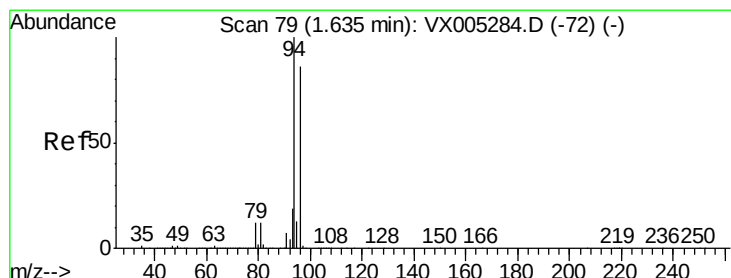
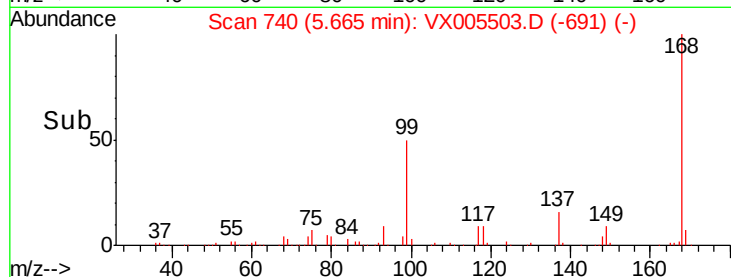
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.708 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.02 min

Lab File: VX005503.D

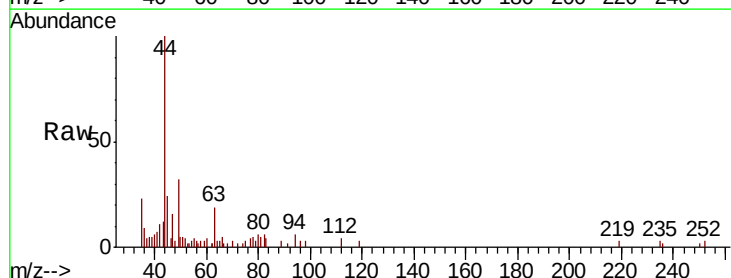
Acq: 23 Oct 2018 06:46

Tgt Ion: 94 Resp: 181

Ion Ratio Lower Upper

94 100

96 56.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.61

200

150

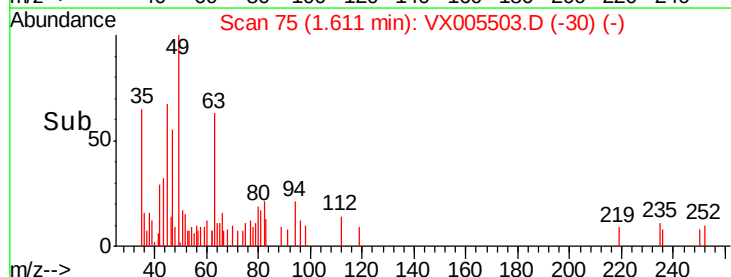
100

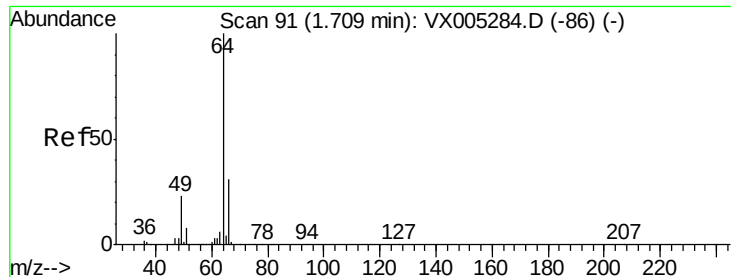
50

0

Time-->

1.58 1.60 1.62 1.64





#6

Chloroethane

Concen: 0.348 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

Instrument :

MSVOA_X

ClientSampleId :

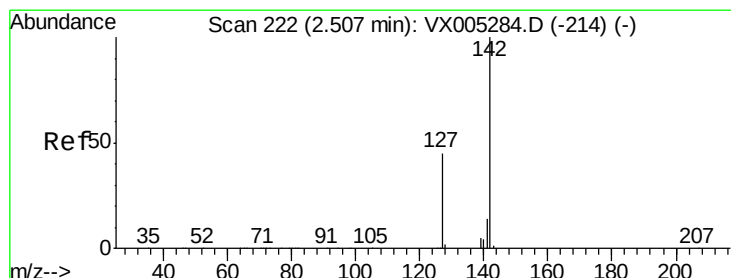
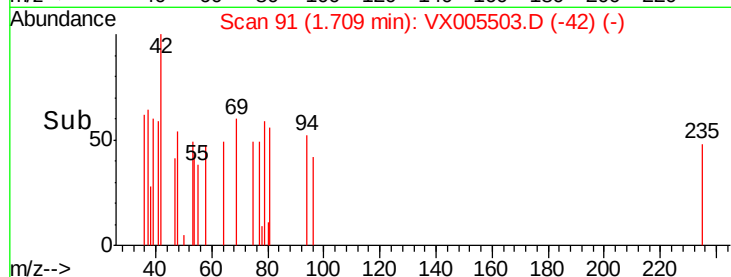
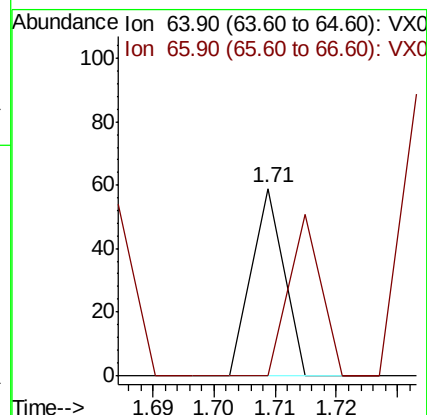
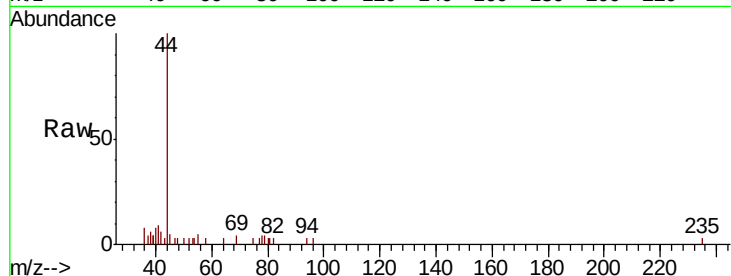
RAV-GT102

Tot Ion: 64 Resp: 22

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 2.540 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

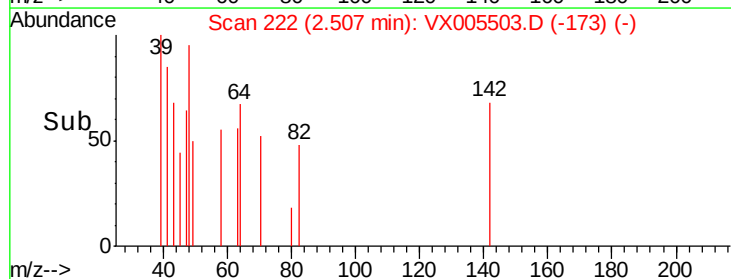
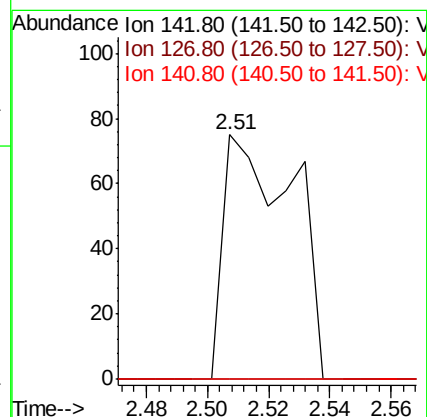
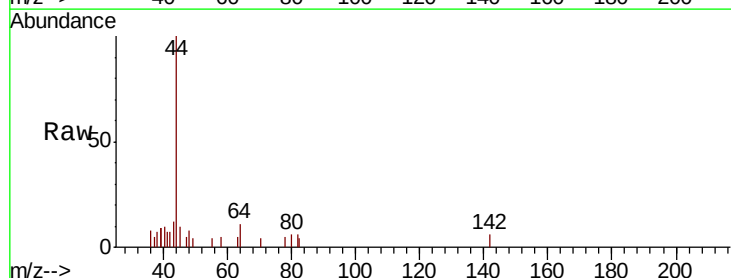
Tgt Ion: 142 Resp: 117

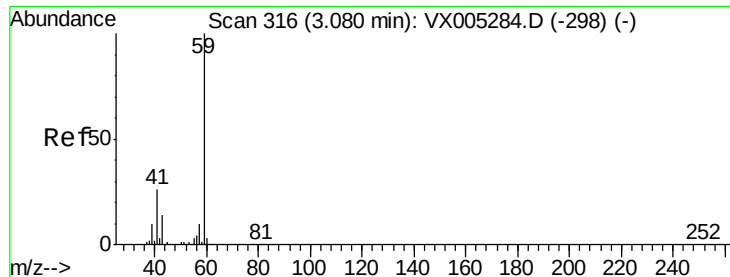
Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

141 0.0 11.4 17.0#

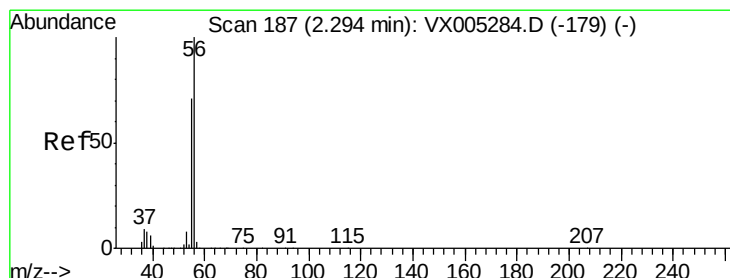
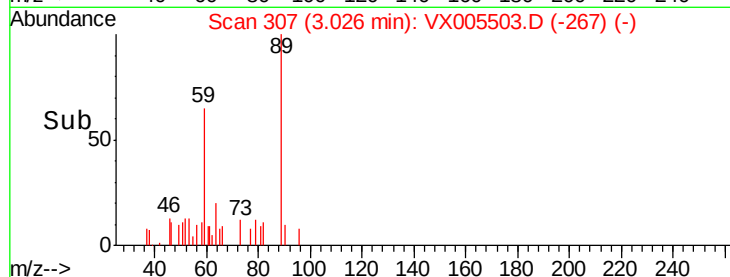
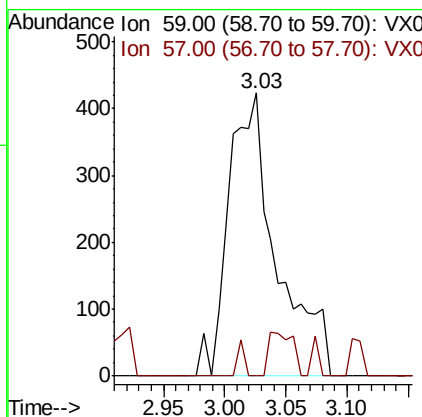
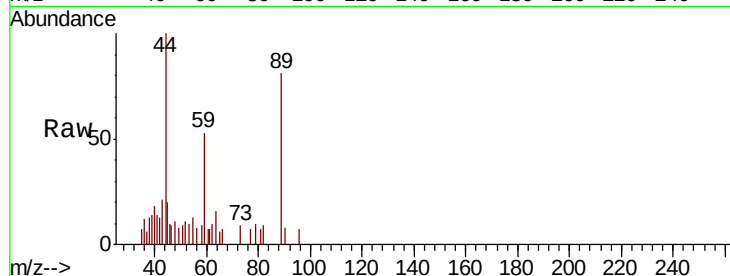




#11
Tert butyl alcohol
Concen: 1.641 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005503.D
Acq: 23 Oct 2018 06:46

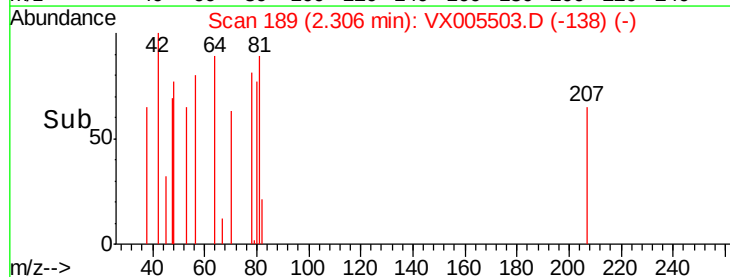
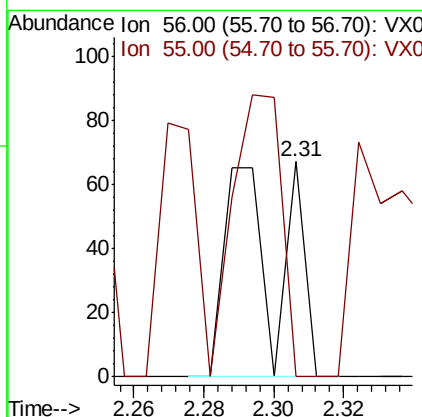
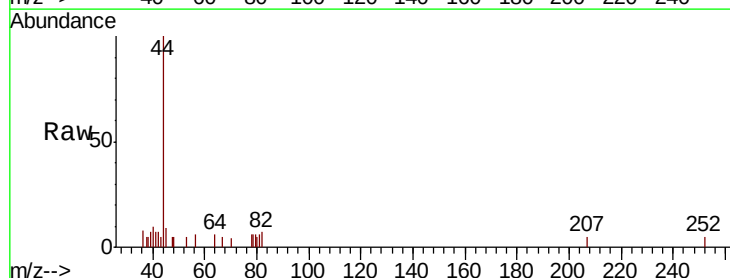
Instrument :
MSVOA_X
ClientSampleId :
RAV-GT102

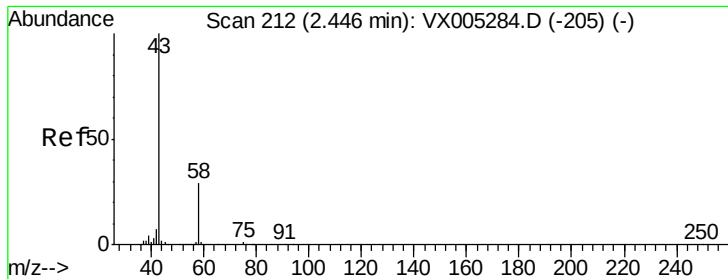
Tot Ion: 59 Resp: 1147
Ion Ratio Lower Upper
59 100
57 1.7 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX005503.D
Acq: 23 Oct 2018 06:46

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 116.7 54.7 82.1#





#16

Acetone

Concen: 1.038 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

Instrument :

MSVOA_X

ClientSampleId :

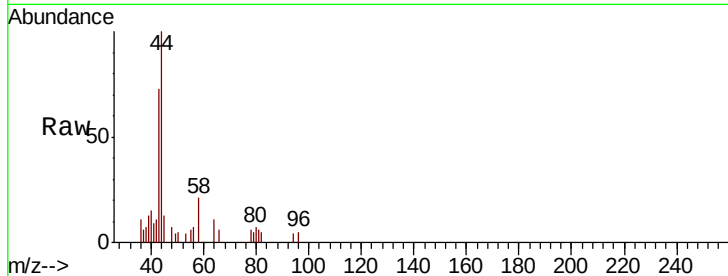
RAV-GT102

Tot Ion: 43 Resp: 1487

Ion Ratio Lower Upper

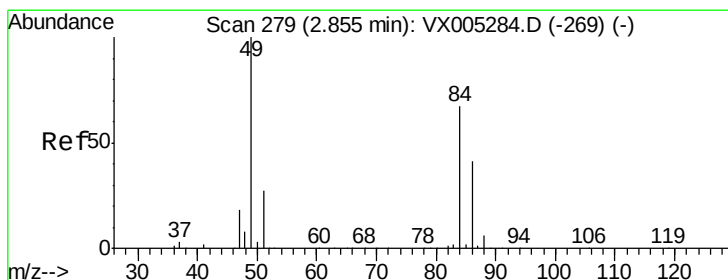
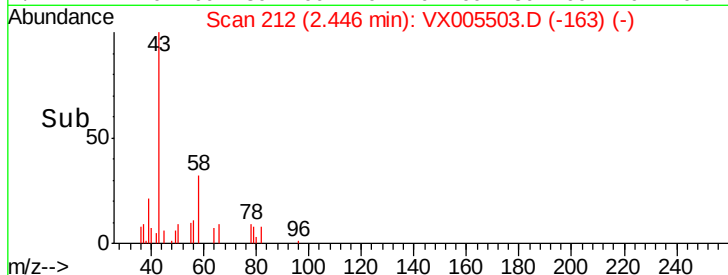
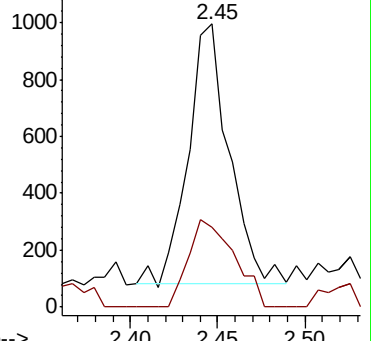
43 100

58 30.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

Tgt Ion: 84 Resp: 179

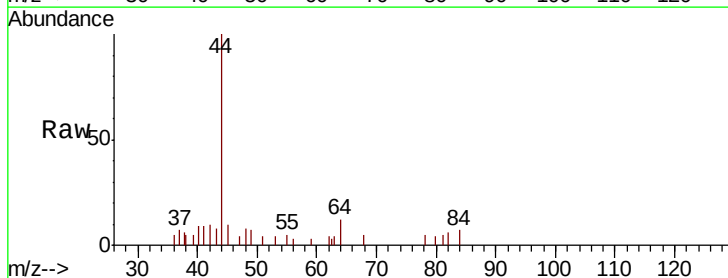
Ion Ratio Lower Upper

84 100

49 96.5 101.2 151.8#

51 4.4 29.5 44.3#

86 0.0 52.3 78.5#

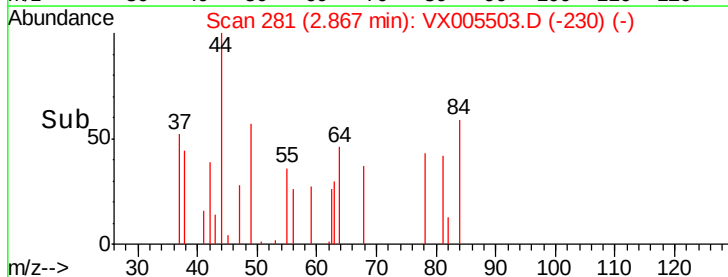
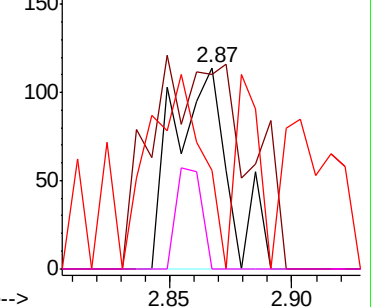


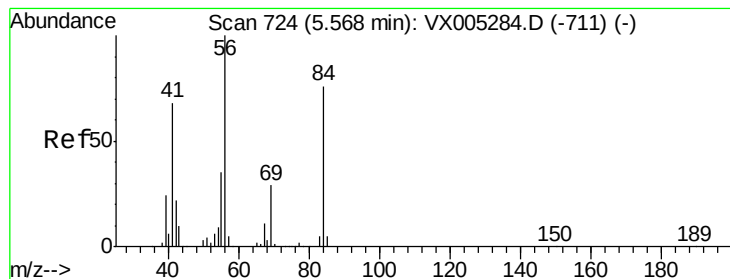
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.262 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

Instrument :

MSVOA_X

ClientSampleId :

RAV-GT102

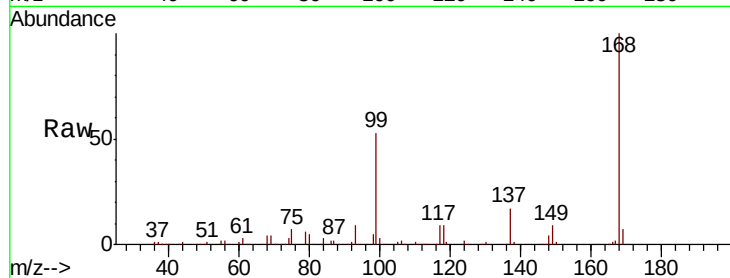
Tot Ion: 56 Resp: 4300

Ion Ratio Lower Upper

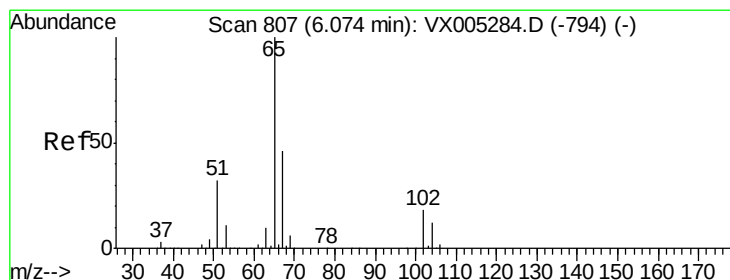
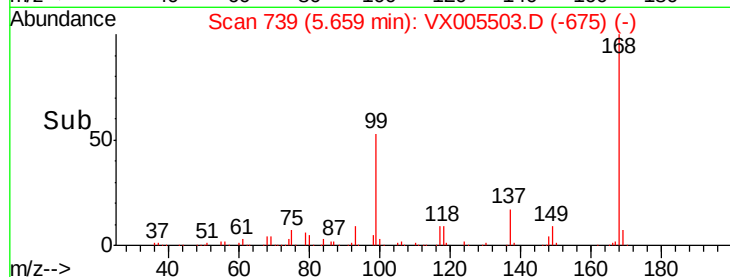
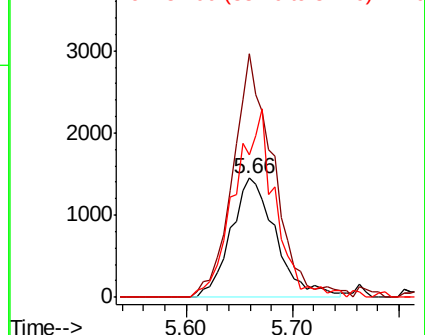
56 100

69 204.1 25.4 38.2#

84 119.2 71.4 107.2#



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: 57.227 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX005503.D

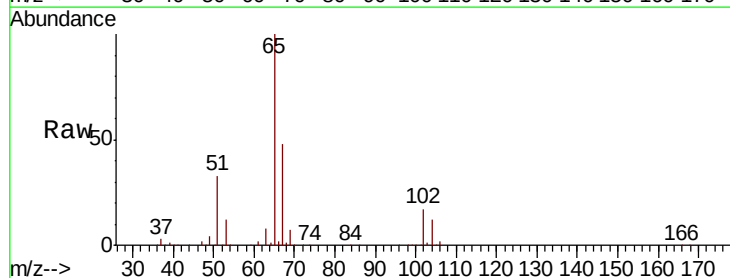
Acq: 23 Oct 2018 06:46

Tgt Ion: 65 Resp: 141837

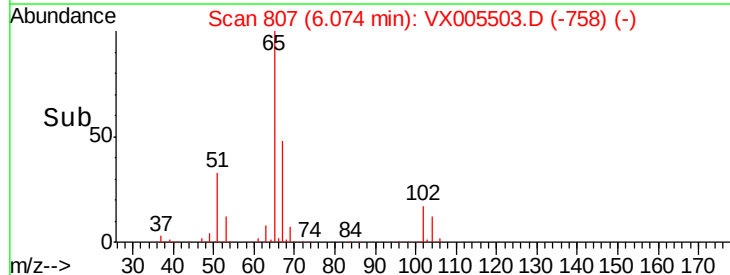
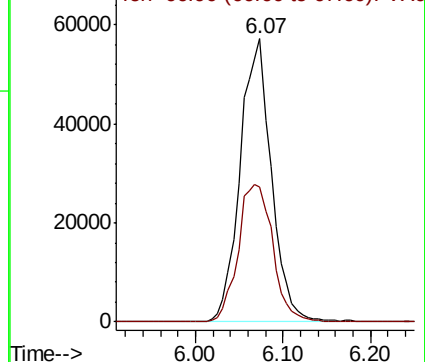
Ion Ratio Lower Upper

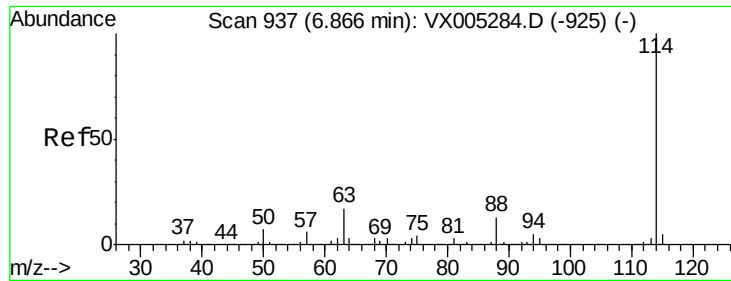
65 100

67 54.0 0.0 106.8



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

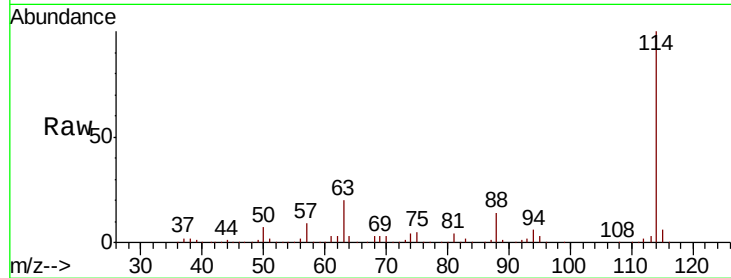




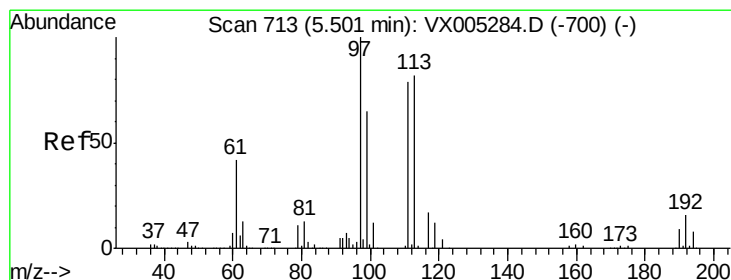
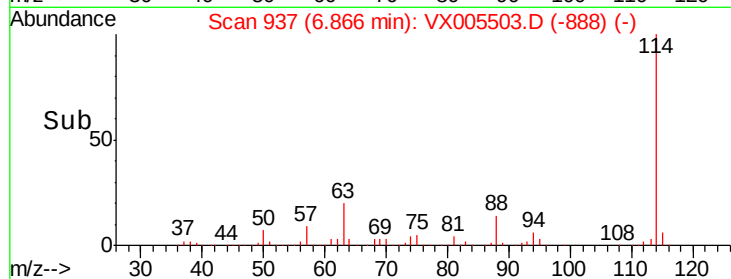
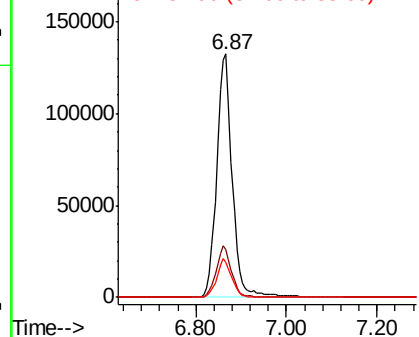
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VX005503.D
 Acq: 23 Oct 2018 06:46

Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GT102

Tot Ion:114 Resp: 319696
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 14.5 0.0 30.4

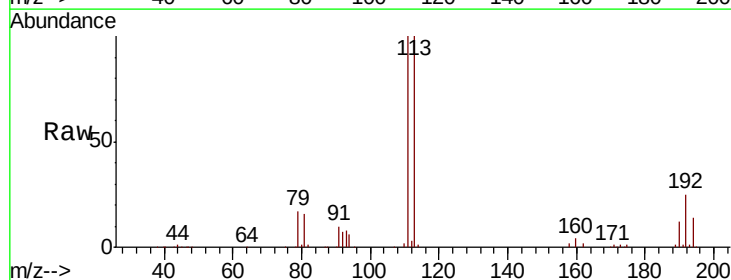


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

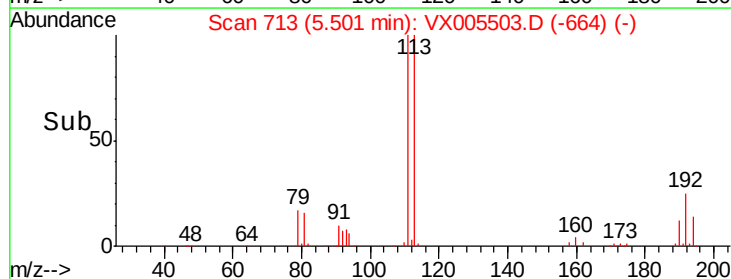
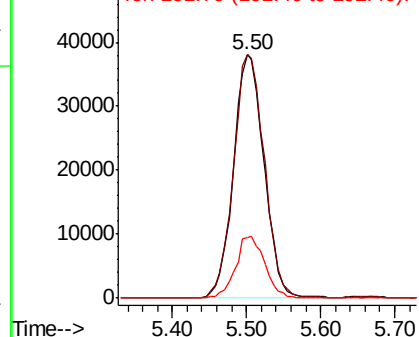


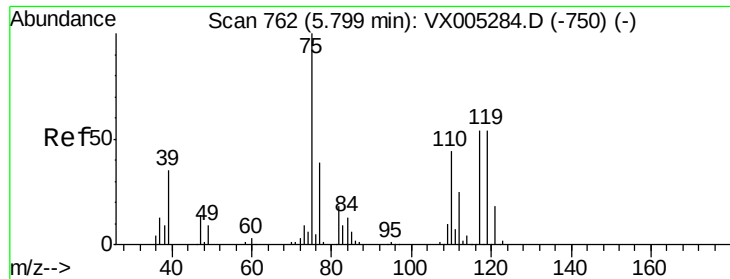
#35
 Dibromofluoromethane
 Concen: 51.601 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005503.D
 Acq: 23 Oct 2018 06:46

Tgt Ion:113 Resp: 109261
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.4 123.6
 192 24.3 19.4 29.2



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: 4.871 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.13 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

Instrument :

MSVOA_X

ClientSampleId :

RAV-GT102

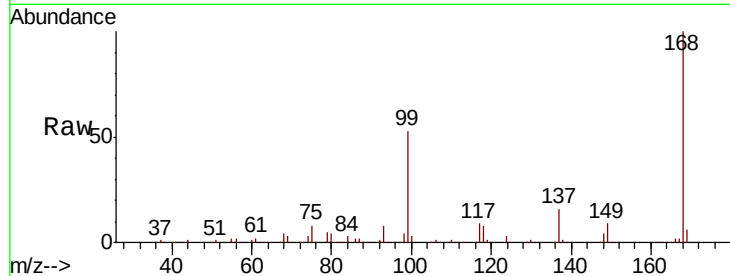
Tot Ion: 75 Resp: 15082

Ion Ratio Lower Upper

75 100

110 10.0 18.0 54.0#

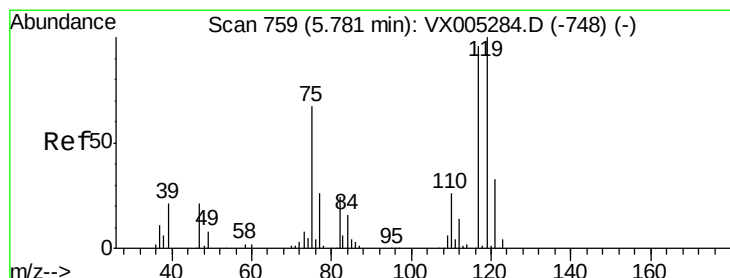
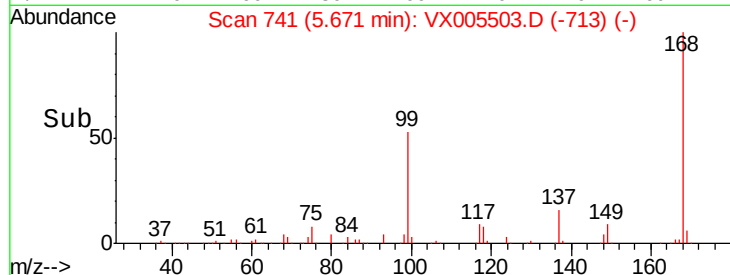
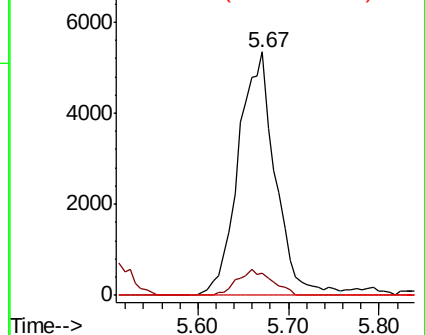
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX005284.D (-750) (-)

Ion 109.90 (109.60 to 110.60): VX005284.D (-750) (-)

Ion 76.90 (76.60 to 77.60): VX005284.D (-750) (-)



#38

Carbon Tetrachloride

Concen: 6.472 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

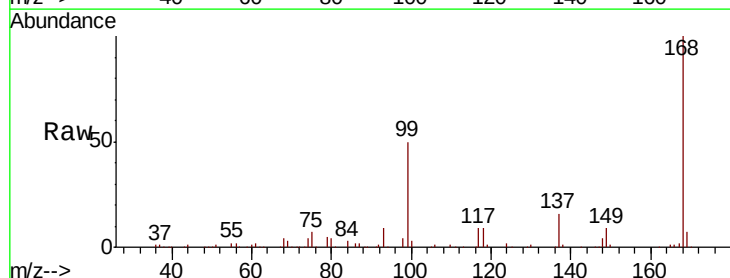
Tgt Ion: 117 Resp: 20136

Ion Ratio Lower Upper

117 100

119 6.3 78.8 118.2#

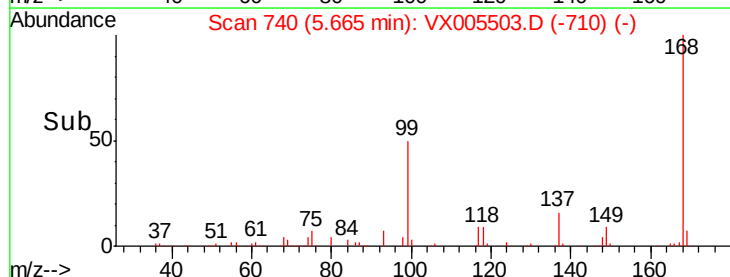
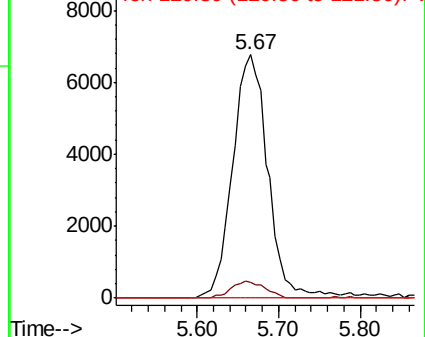
121 0.0 24.9 37.3#

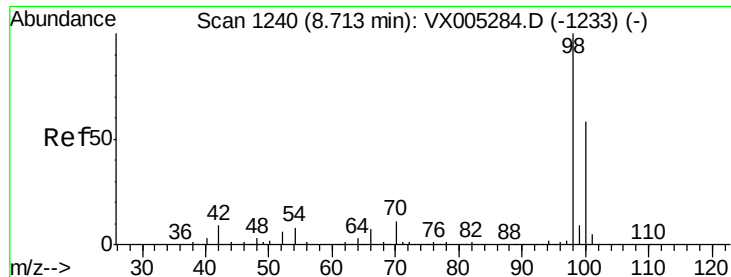


Abundance Ion 116.80 (116.50 to 117.50): VX005284.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005284.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005284.D (-748) (-)

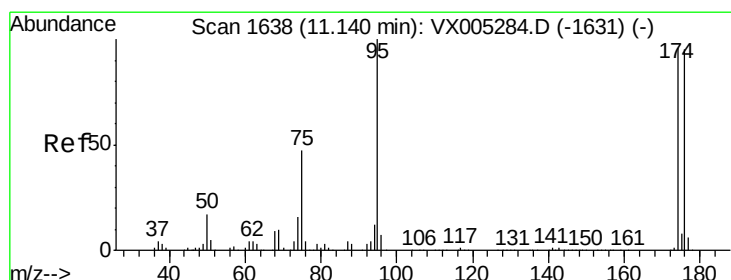
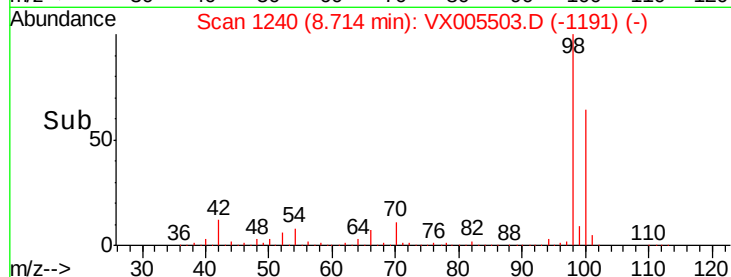
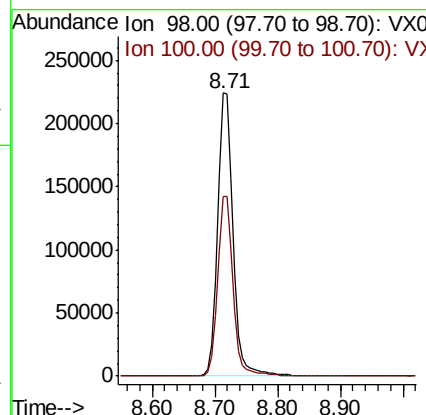
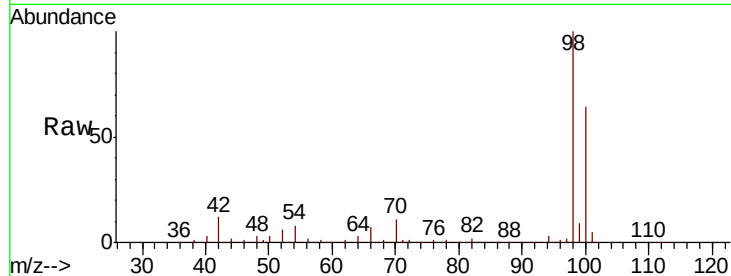




#50
Toluene-d8
Concen: 52.662 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005503.D
Acq: 23 Oct 2018 06:46

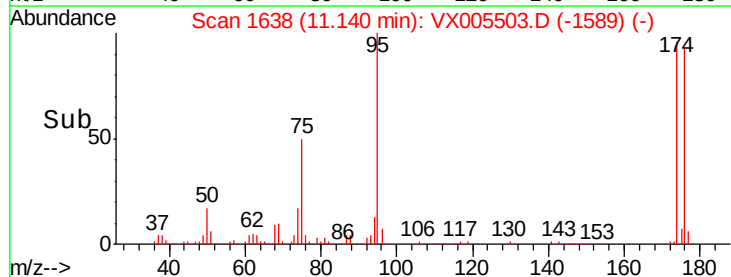
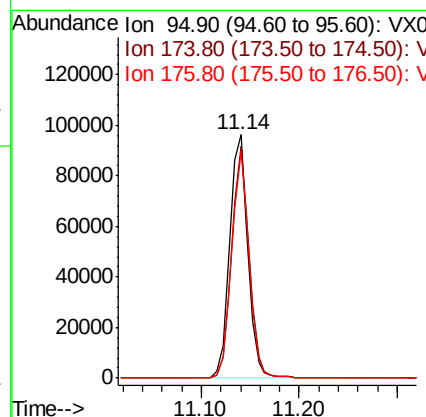
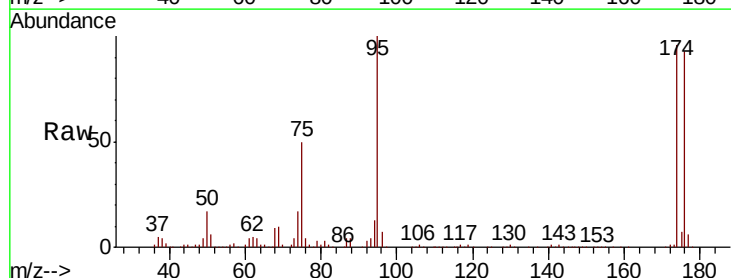
Instrument :
MSVOA_X
ClientSampleId :
RAV-GT102

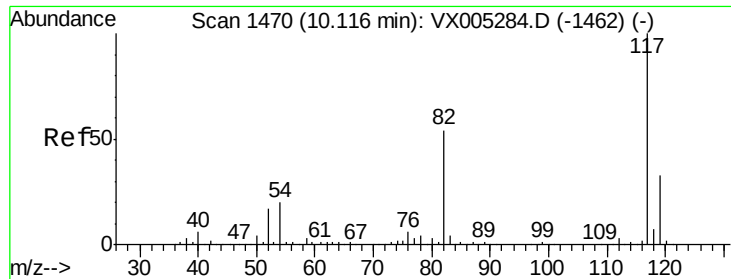
Tot Ion: 98 Resp: 382817
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.440 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005503.D
Acq: 23 Oct 2018 06:46

Tgt Ion: 95 Resp: 124087
Ion Ratio Lower Upper
95 100
174 92.4 0.0 185.2
176 89.8 0.0 178.6

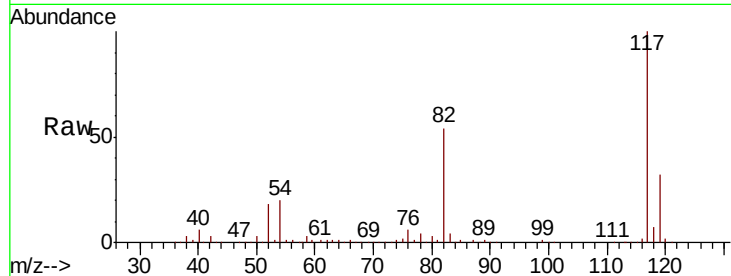




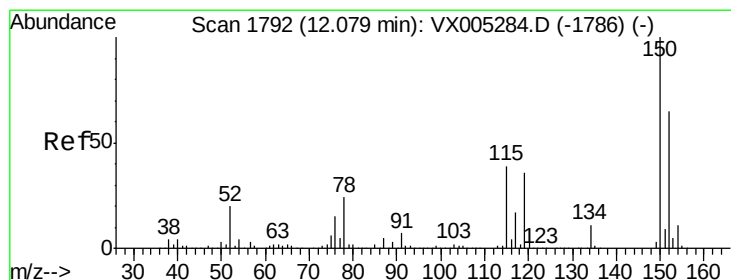
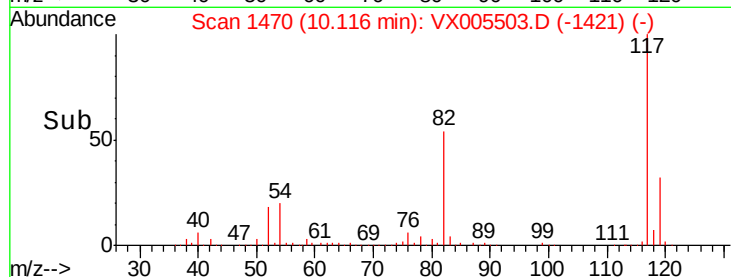
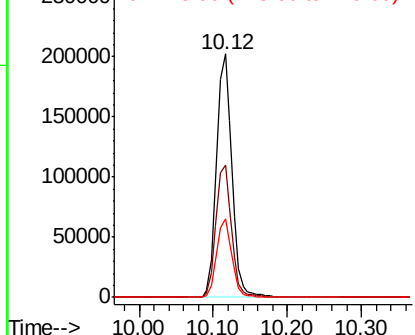
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005503.D
Acq: 23 Oct 2018 06:46

Instrument :
MSVOA_X
ClientSampled :
RAV-GT102

Tot Ion:117 Resp: 286701
Ion Ratio Lower Upper
117 100
82 54.4 47.8 71.6
119 32.5 29.3 43.9

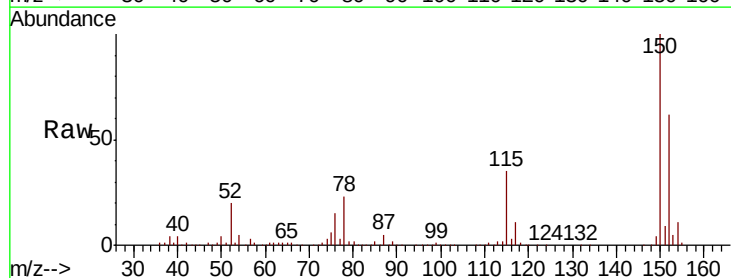


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

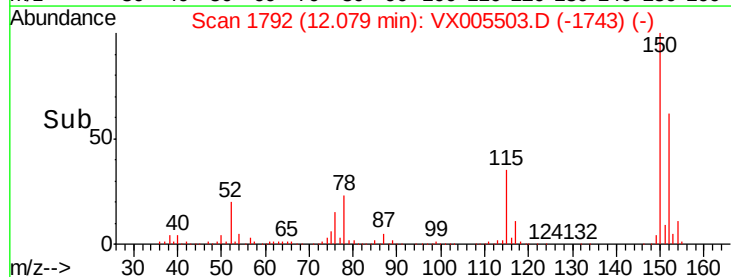
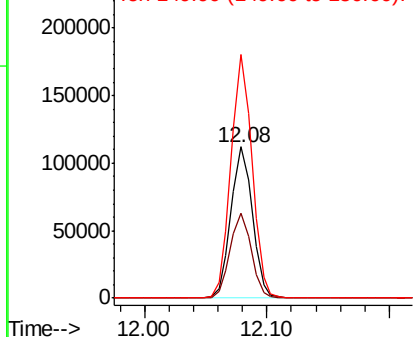


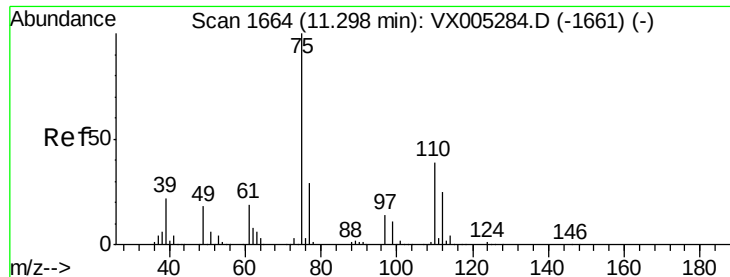
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005503.D
Acq: 23 Oct 2018 06:46

Tgt Ion:152 Resp: 135474
Ion Ratio Lower Upper
152 100
115 55.6 39.0 117.0
150 158.1 0.0 351.0



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: 24.163 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

Instrument :

MSVOA_X

ClientSampled :

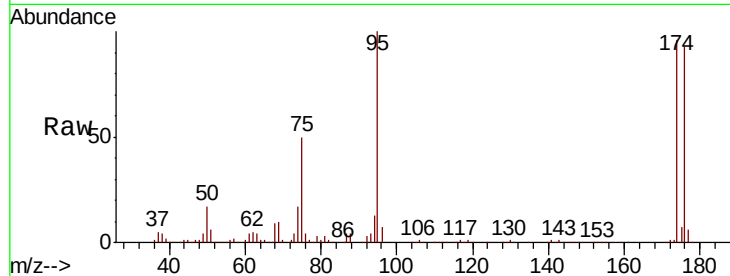
RAV-GT102

Tot Ion: 75 Resp: 63496

Ion Ratio Lower Upper

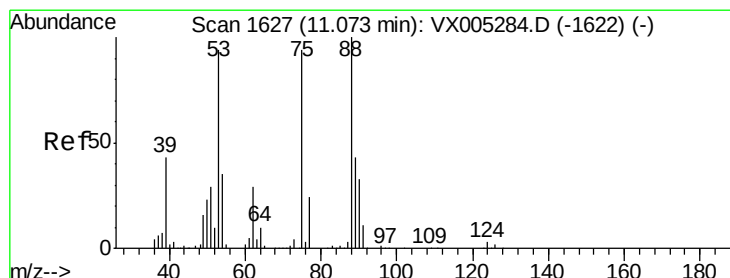
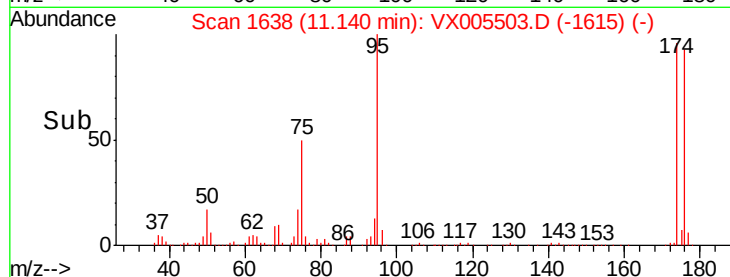
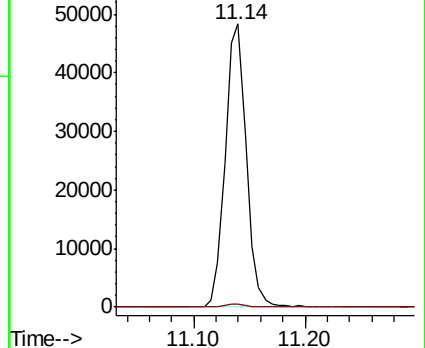
75 100

77 1.2 20.2 60.6#



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: 73.419 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005503.D

Acq: 23 Oct 2018 06:46

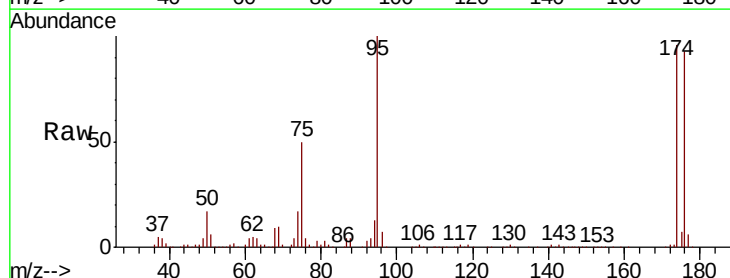
Tgt Ion: 75 Resp: 63496

Ion Ratio Lower Upper

75 100

53 0.4 80.1 120.1#

89 0.0 37.2 55.8#



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

