

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005504.D
 Acq On : 23 Oct 2018 07:13
 Operator : JC/MD
 Sample : J5603-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GT104

Quant Time: Oct 23 07:40:27 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	217833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135646	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	139971	57.90	ug/l	0.00
Spiked Amount			Recovery	=	115.80%	
35) Dibromofluoromethane	5.49	113	110323	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
50) Toluene-d8	8.71	98	379679	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
62) 4-Bromofluorobenzene	11.14	95	122765	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	

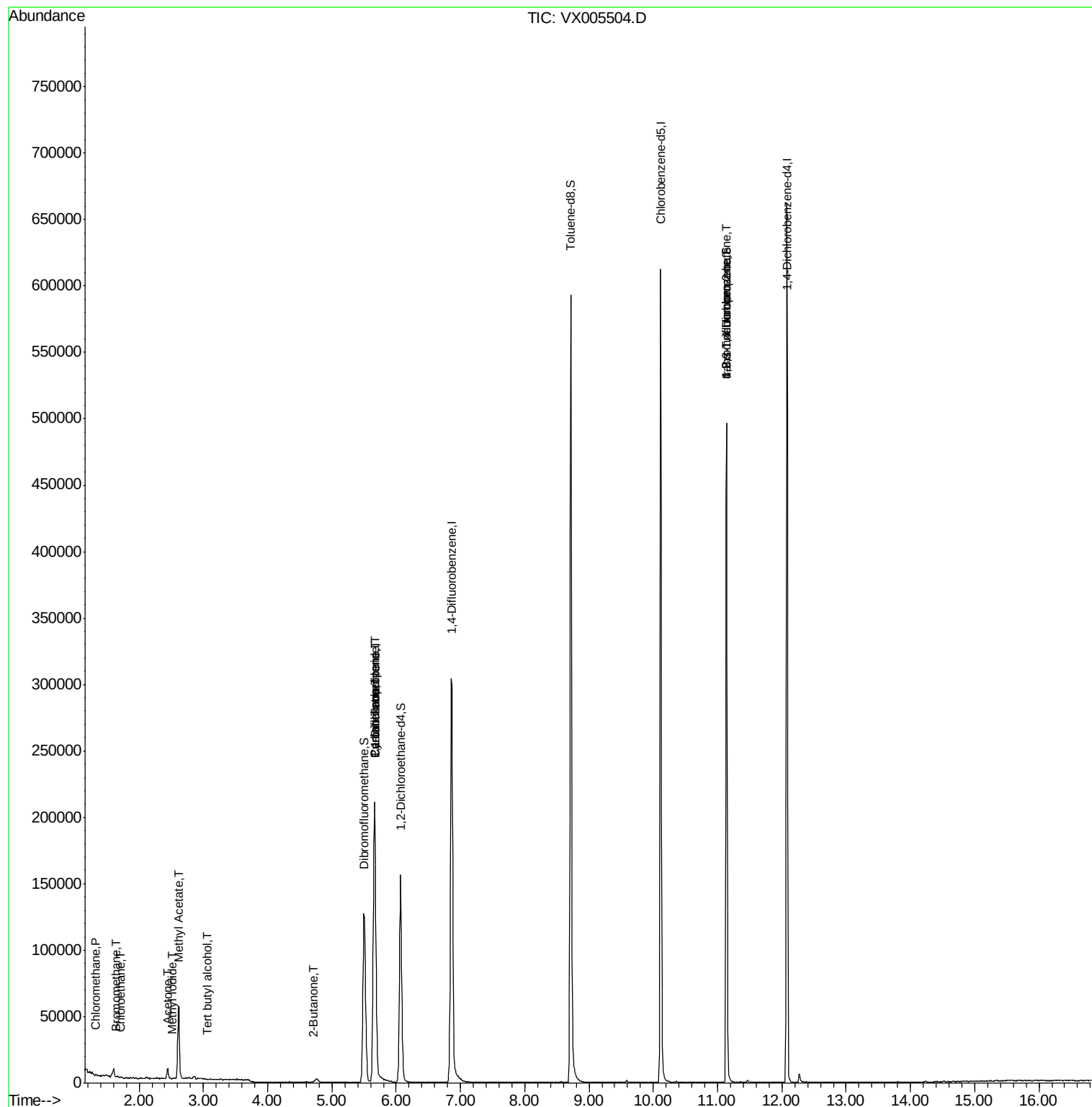
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	531	0.215	ug/l	99
5) Bromomethane	1.65	94	211	0.732	ug/l #	34
6) Chloroethane	1.71	64	143	0.422	ug/l #	44
10) Methyl Iodide	2.51	142	21	2.498	ug/l #	23
11) Tert butyl alcohol	3.06	59	232	0.340	ug/l #	1
13) Acrolein	2.29	56	102	Below Cal	#	1
16) Acetone	2.45	43	7850	5.616	ug/l	94
18) Methyl Acetate	2.62	43	13796	3.469	ug/l #	51
20) Methylene Chloride	2.85	84	811	Below Cal	#	91
25) 2-Butanone	4.71	43	700	0.342	ug/l #	47
31) Cyclohexane	5.66	56	4114	1.238	ug/l #	8
36) 1,1-Dichloropropene	5.66	75	14863	4.950	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19326	6.406	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	61929	23.537	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	61929	71.516	ug/l #	10

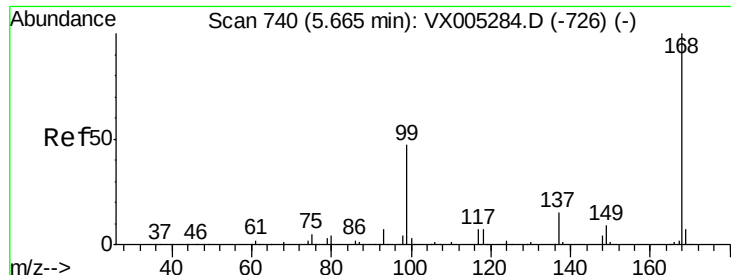
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 07:40:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
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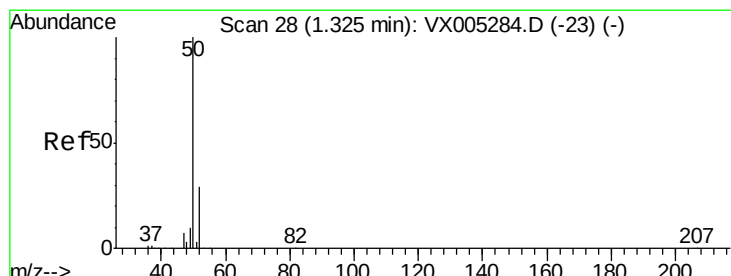
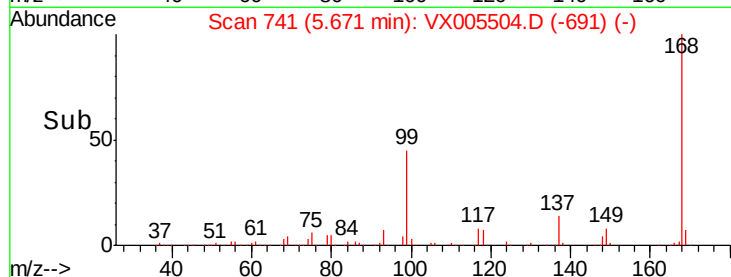
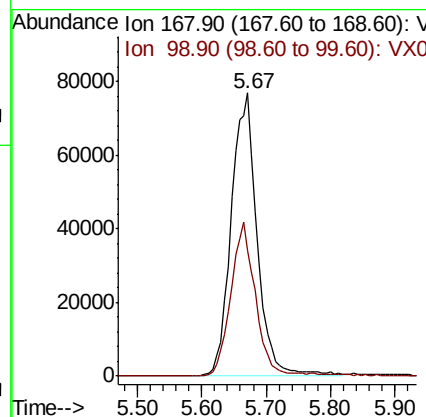
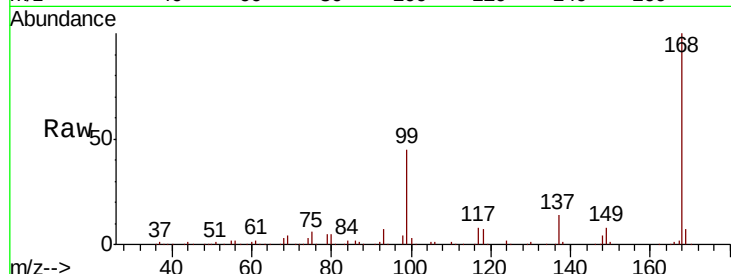




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.01 min
Lab File: VX005504.D
Acq: 23 Oct 2018 07:13

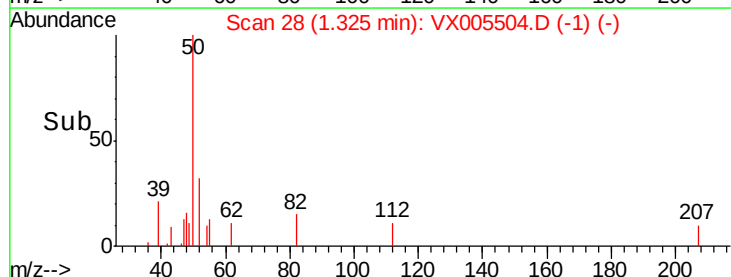
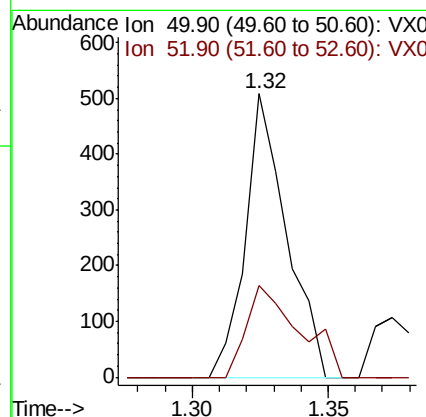
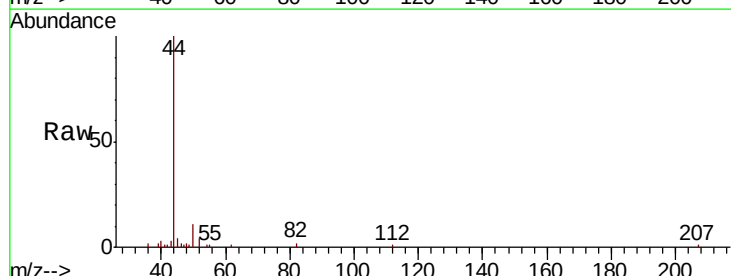
Instrument :
MSVOA_X
ClientSampleId :
RAV-GT104

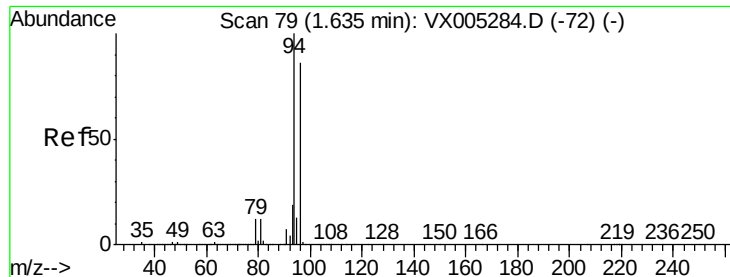
Tot Ion:168 Resp: 217833
Ion Ratio Lower Upper
168 100
99 44.6 39.9 59.9



#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX005504.D
Acq: 23 Oct 2018 07:13

Tgt Ion: 50 Resp: 531
Ion Ratio Lower Upper
50 100
52 32.3 26.2 39.2





#5

Bromomethane

Concen: 0.732 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005504.D

Acq: 23 Oct 2018 07:13

Instrument :

MSVOA_X

ClientSampleId :

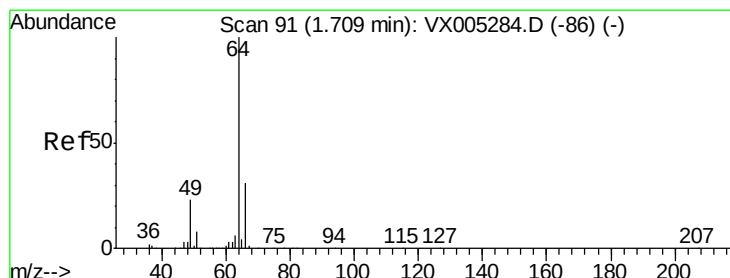
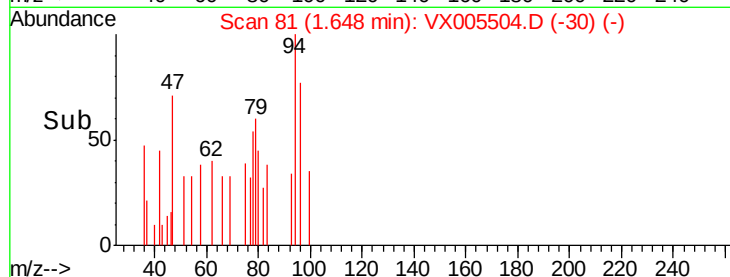
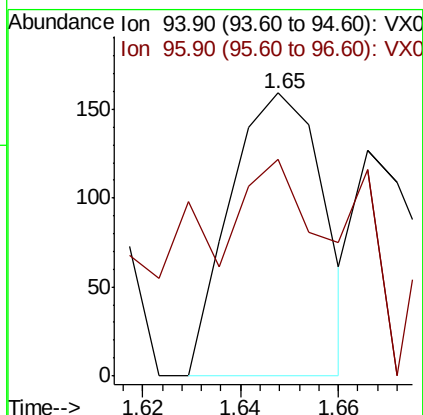
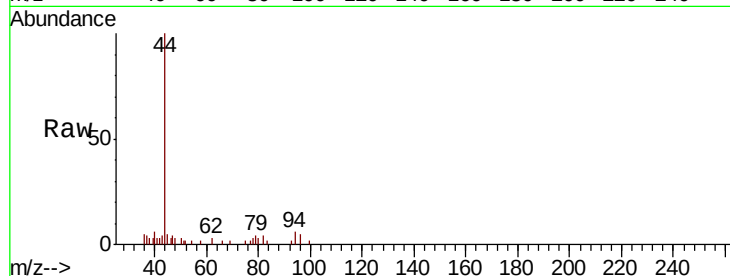
RAV-GT104

Tot Ion: 94 Resp: 211

Ion Ratio Lower Upper

94 100

96 29.6 74.5 111.7#



#6

Chloroethane

Concen: 0.422 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005504.D

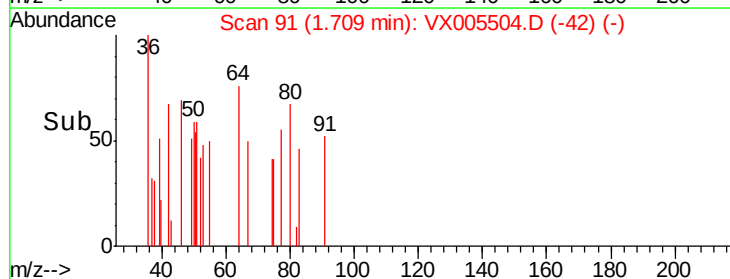
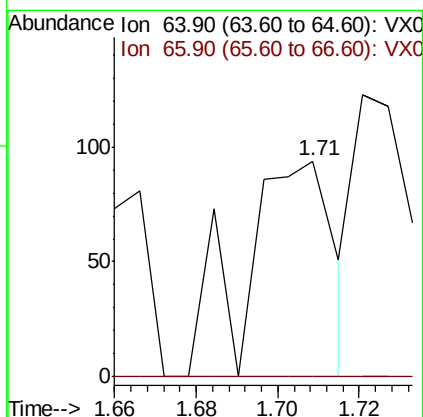
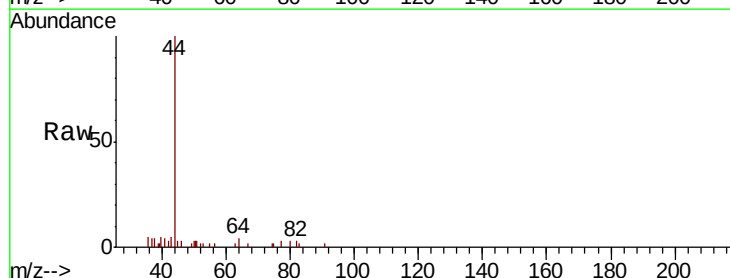
Acq: 23 Oct 2018 07:13

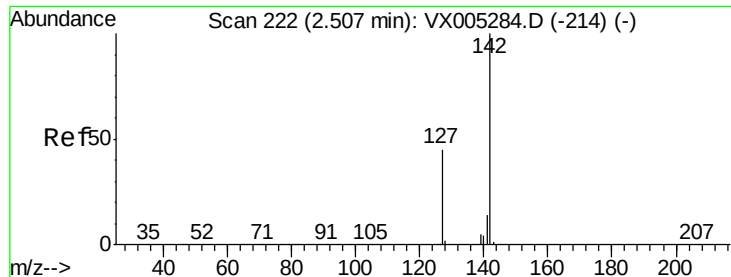
Tgt Ion: 64 Resp: 143

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#

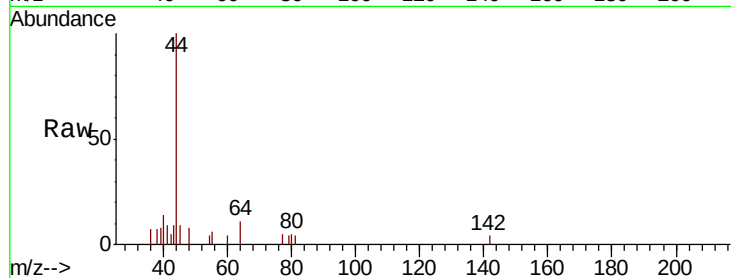




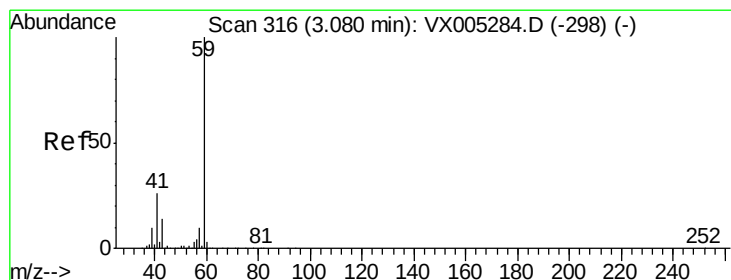
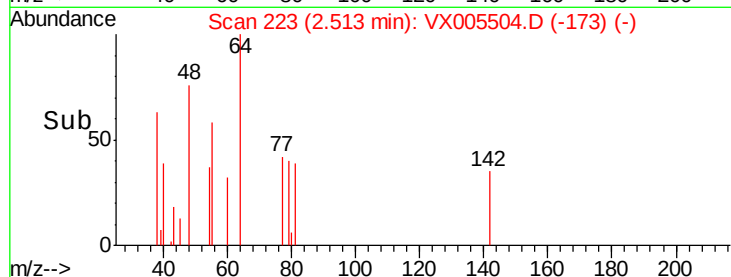
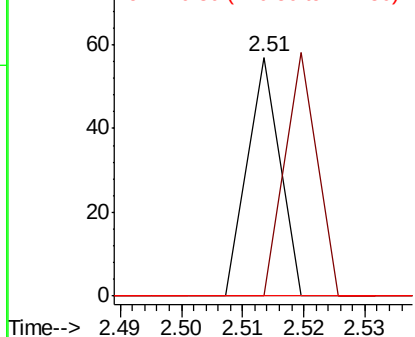
#10
Methvl Iodide
Concen: 2.498 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005504.D
Acq: 23 Oct 2018 07:13

Instrument :
MSVOA_X
ClientSampleId :
RAV-GT104

Tot Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 100.0 33.8 50.6#
141 0.0 11.4 17.0#

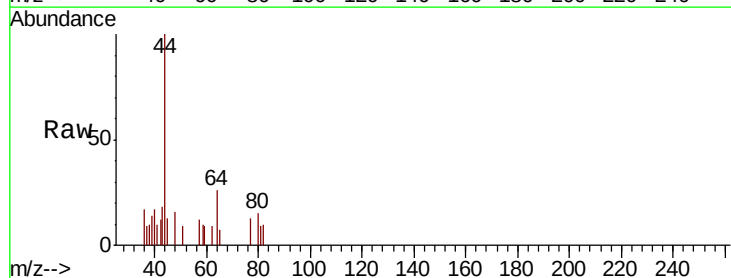


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

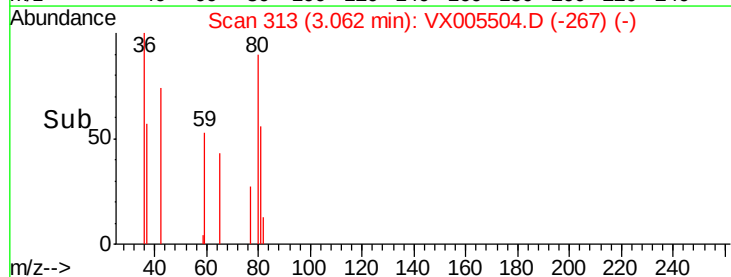
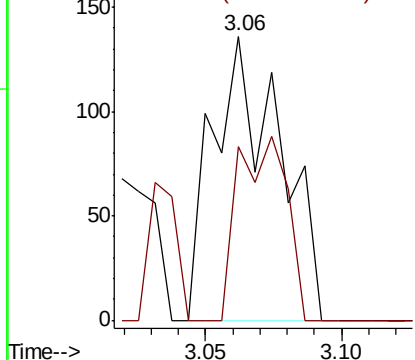


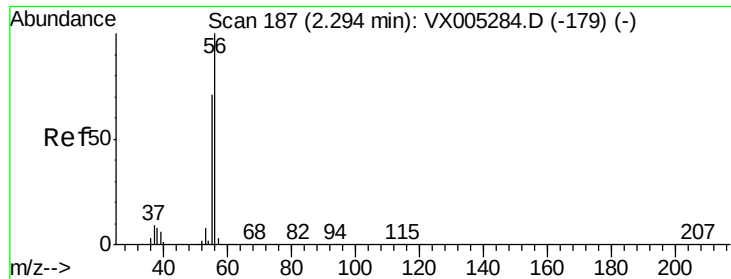
#11
Tert butyl alcohol
Concen: 0.340 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005504.D
Acq: 23 Oct 2018 07:13

Tgt Ion: 59 Resp: 232
Ion Ratio Lower Upper
59 100
57 47.4 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005504.D

Acq: 23 Oct 2018 07:13

Instrument :

MSVOA_X

ClientSampleId :

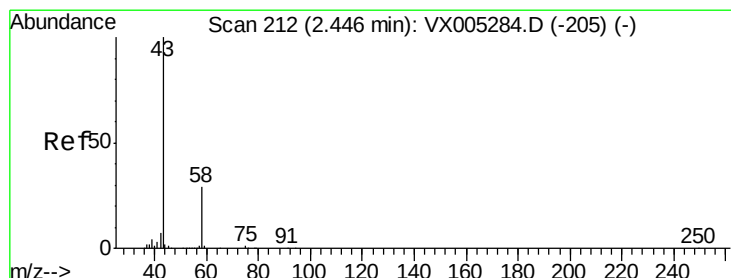
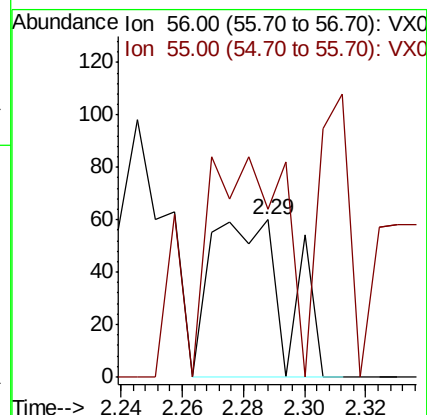
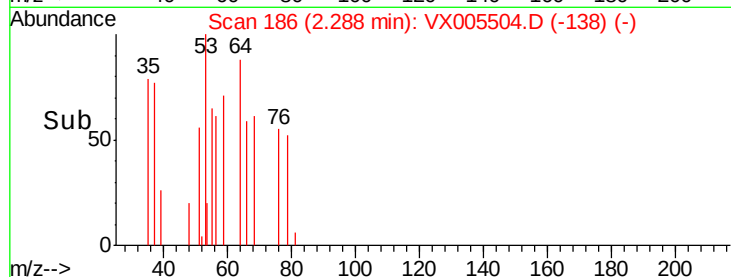
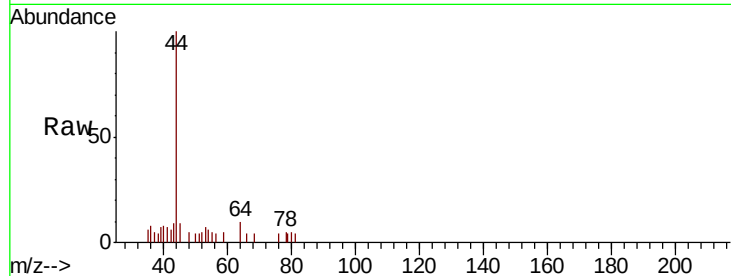
RAV-GT104

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 158.8 54.7 82.1#



#16

Acetone

Concen: 5.616 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005504.D

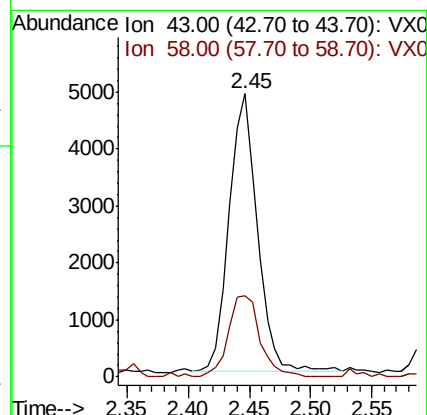
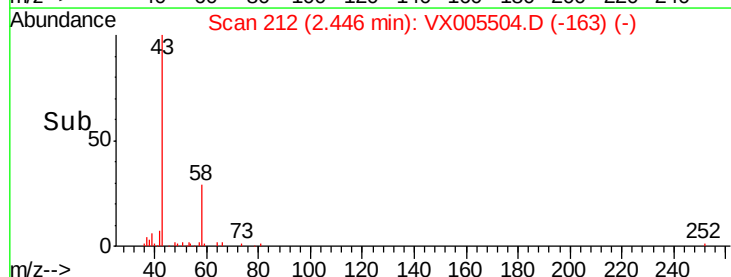
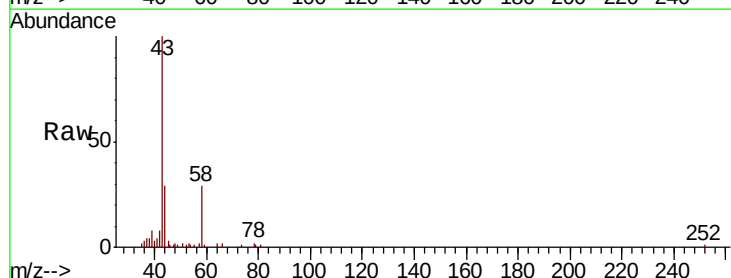
Acq: 23 Oct 2018 07:13

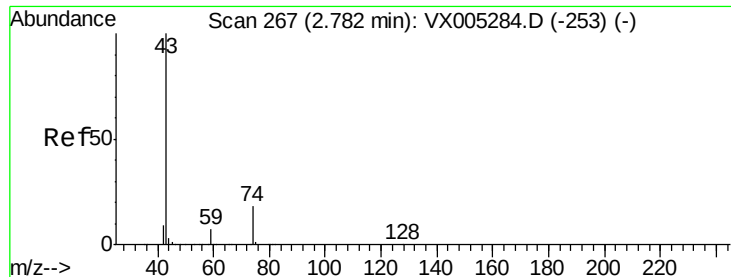
Tgt Ion: 43 Resp: 7850

Ion Ratio Lower Upper

43 100

58 29.3 26.2 39.4

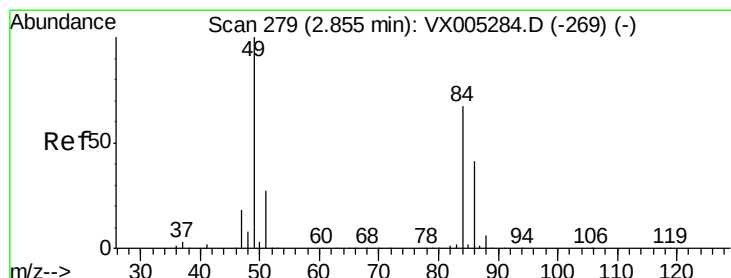
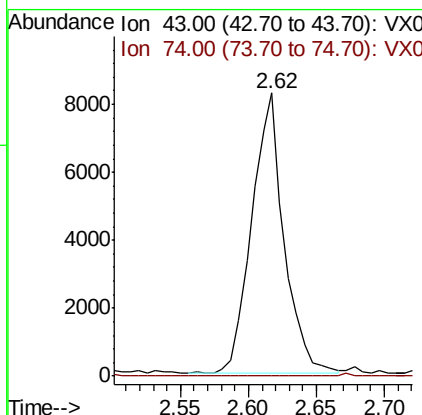
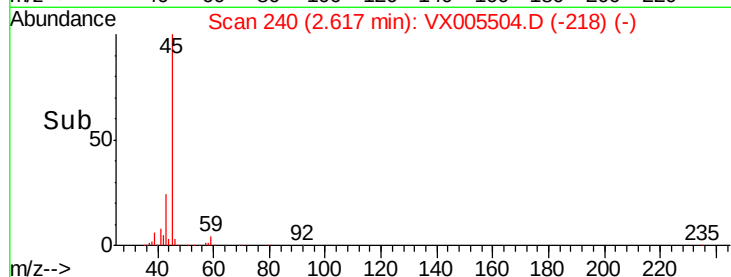
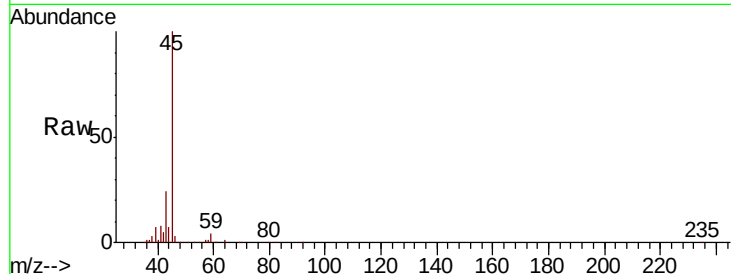




#18
Methyl Acetate
Concen: 3.469 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.16 min
Lab File: VX005504.D
Acq: 23 Oct 2018 07:13

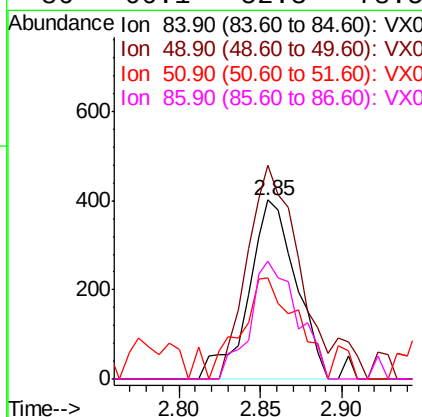
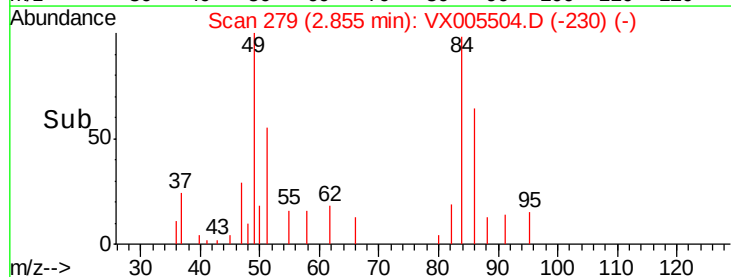
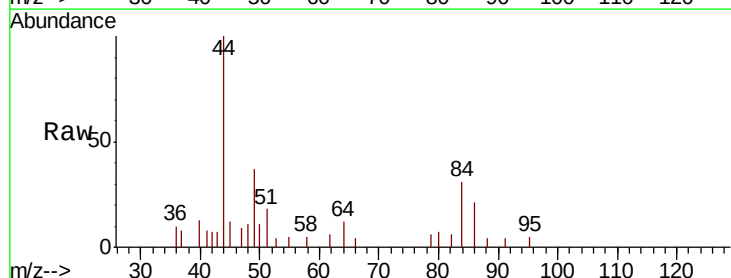
Instrument :
MSVOA_X
ClientSampled :
RAV-GT104

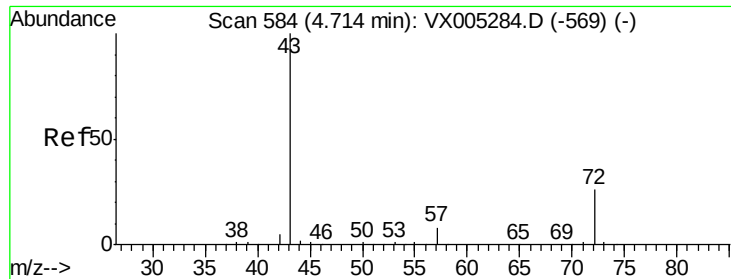
Tot Ion: 43 Resp: 13796
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005504.D
Acq: 23 Oct 2018 07:13

Tgt Ion: 84 Resp: 811
Ion Ratio Lower Upper
84 100
49 119.5 101.2 151.8
51 56.4 29.5 44.3#
86 66.1 52.3 78.5





#25

2-Butanone

Concen: 0.342 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.00 min

Lab File: VX005504.D

Acq: 23 Oct 2018 07:13

Instrument :

MSVOA_X

ClientSampleId :

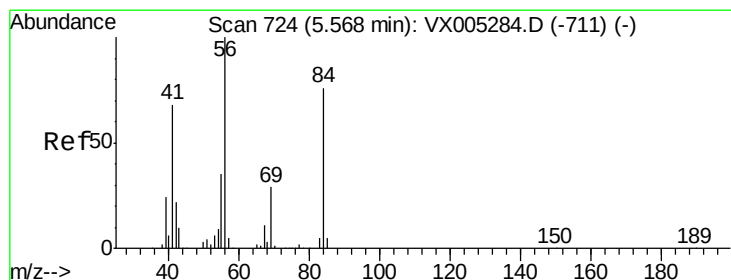
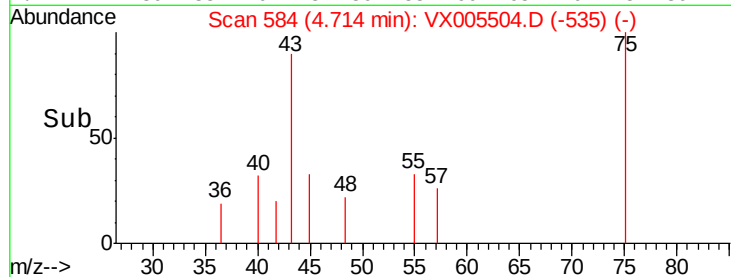
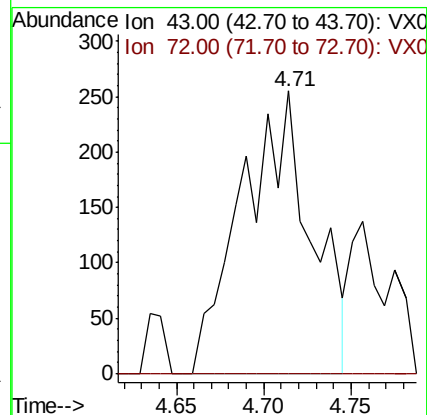
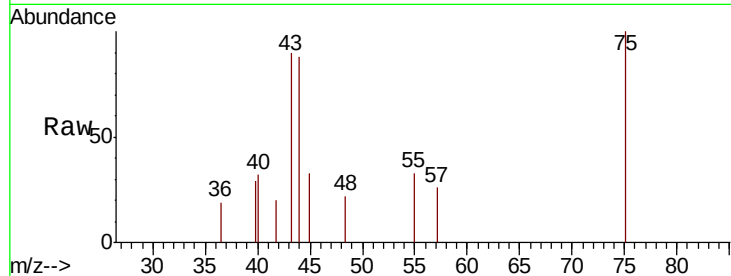
RAV-GT104

Tot Ion: 43 Resp: 700

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#31

Cyclohexane

Concen: 1.238 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005504.D

Acq: 23 Oct 2018 07:13

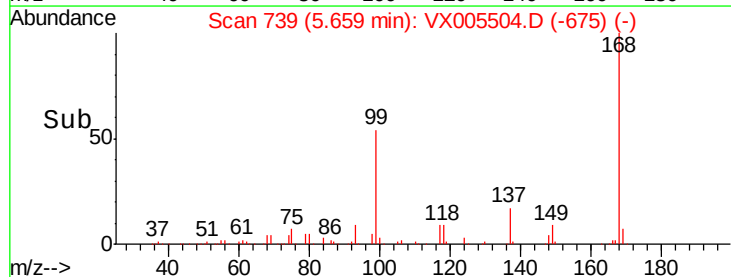
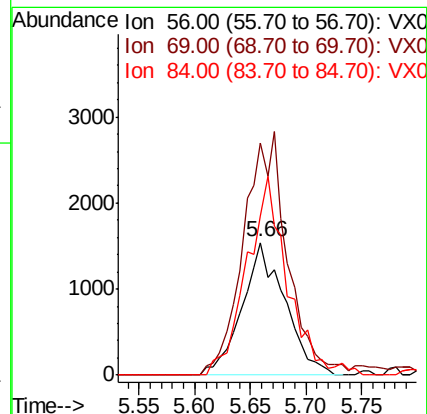
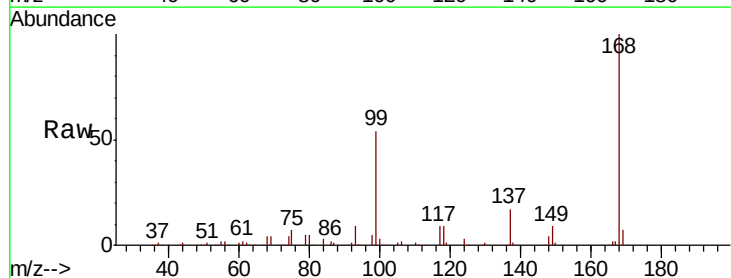
Tgt Ion: 56 Resp: 4114

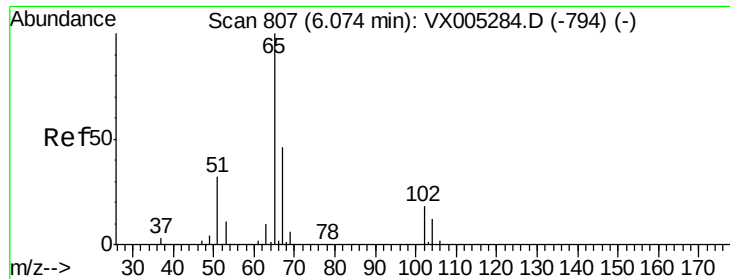
Ion Ratio Lower Upper

56 100

69 175.5 25.4 38.2#

84 120.0 71.4 107.2#

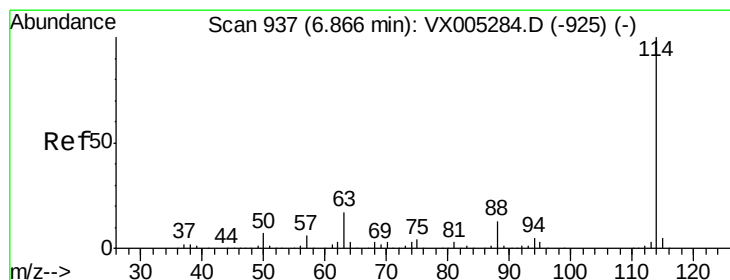
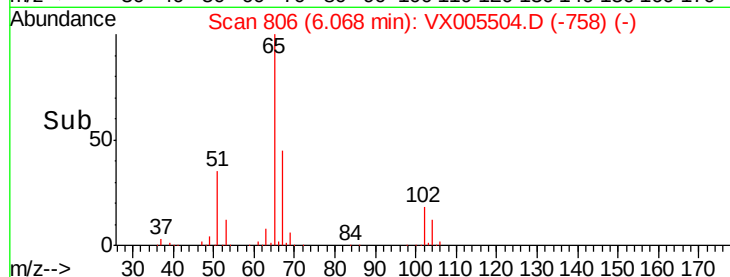
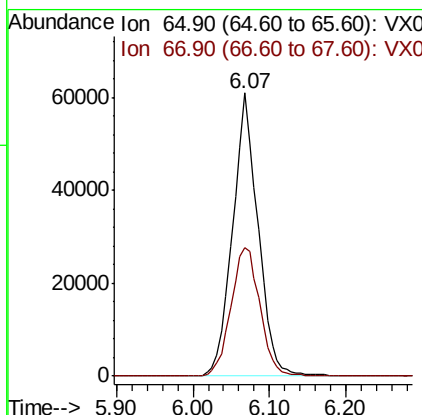
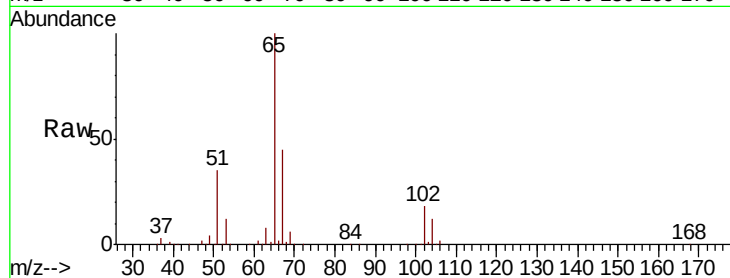




#33
 1,2-Dichloroethane-d4
 Concen: 57.896 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005504.D
 Acq: 23 Oct 2018 07:13

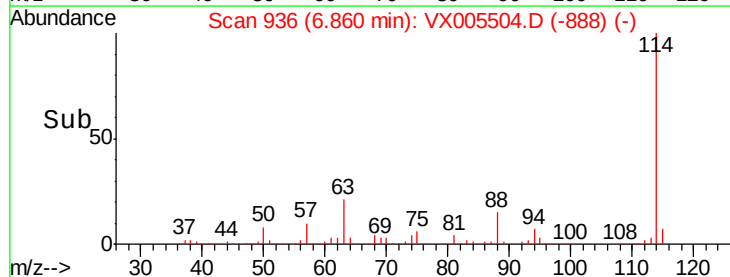
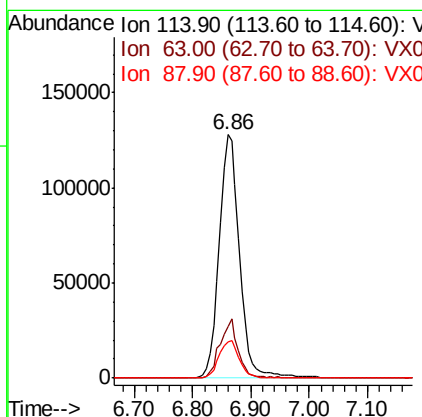
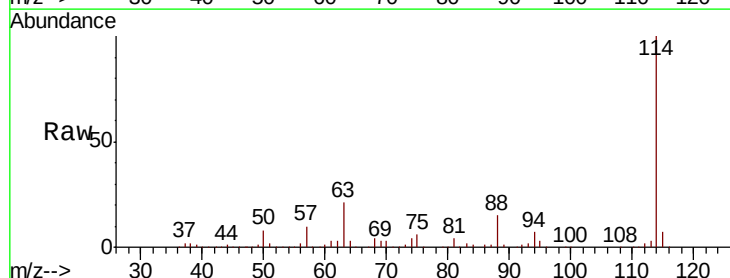
Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GT104

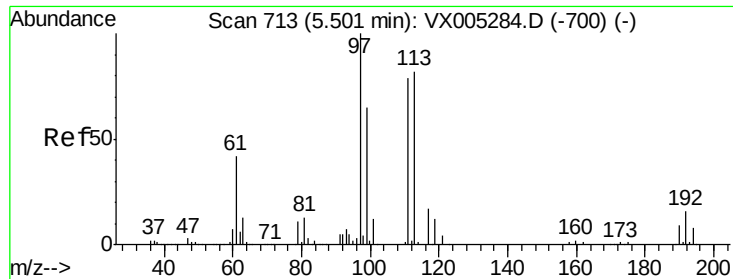
Tot Ion: 65 Resp: 139971
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005504.D
 Acq: 23 Oct 2018 07:13

Tgt Ion: 114 Resp: 310009
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.0
 88 15.2 0.0 30.4

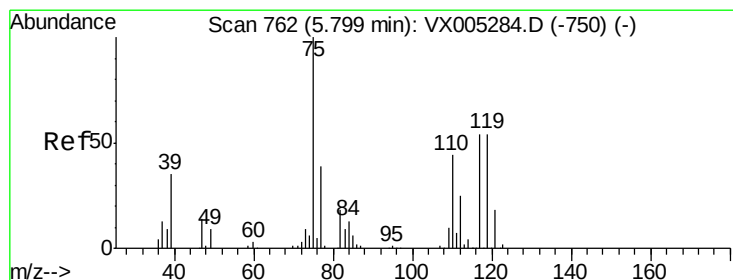
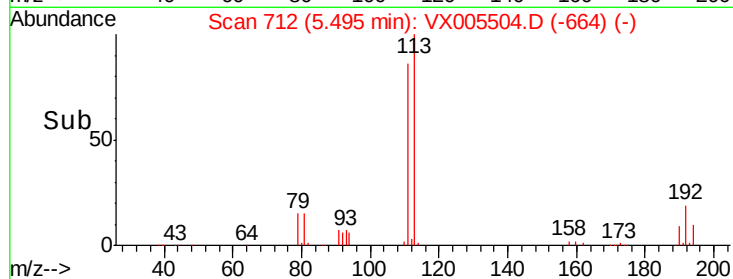
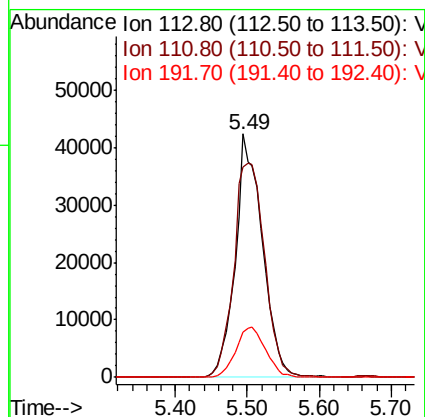
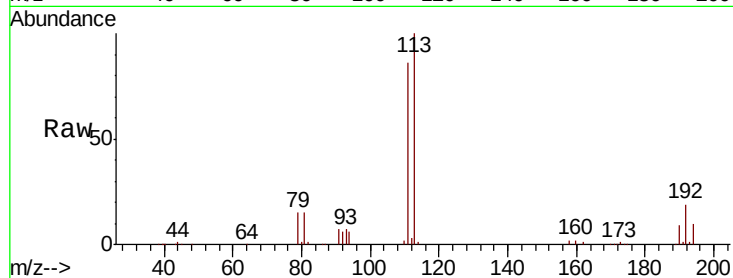




#35
 Dibromofluoromethane
 Concen: 53.730 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005504.D
 Acq: 23 Oct 2018 07:13

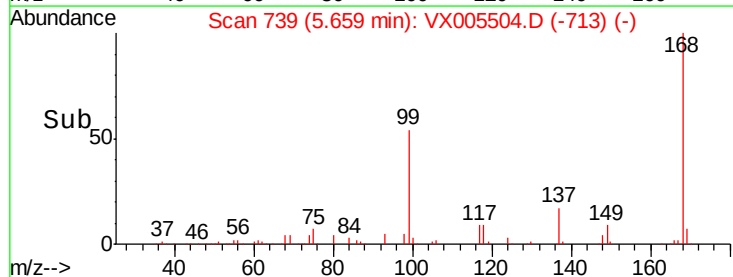
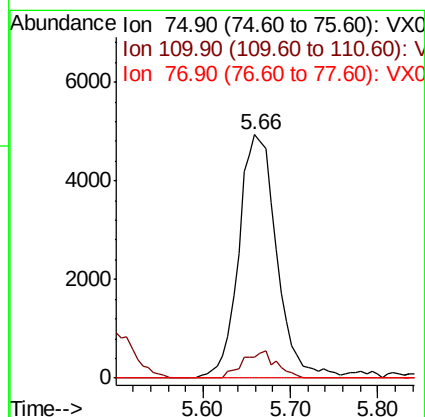
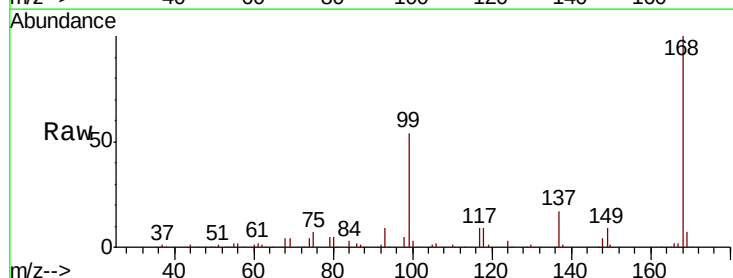
Instrument :
 MSVOA_X
 ClientSampled :
 RAV-GT104

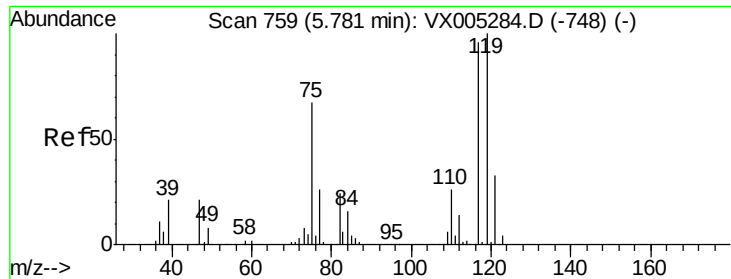
Tot Ion:113 Resp: 110323
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.4 123.6
 192 22.6 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.950 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005504.D
 Acq: 23 Oct 2018 07:13

Tgt Ion: 75 Resp: 14863
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.406 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005504.D

Acq: 23 Oct 2018 07:13

Instrument :

MSVOA_X

ClientSampleId :

RAV-GT104

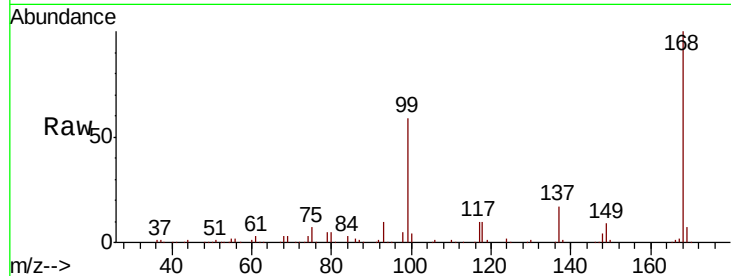
Tot Ion:117 Resp: 19326

Ion Ratio Lower Upper

117 100

119 5.0 78.8 118.2#

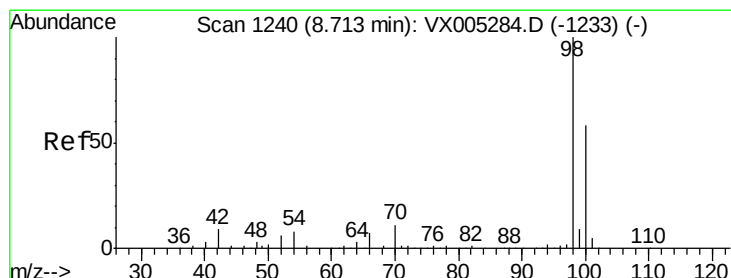
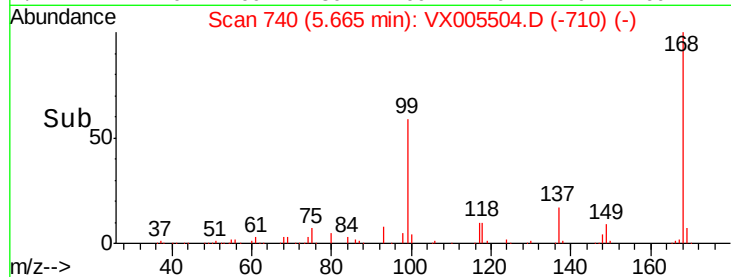
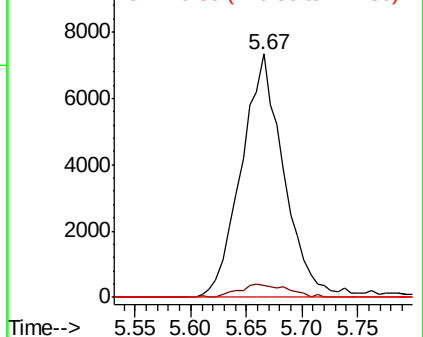
121 0.0 24.9 37.3#



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: 53.863 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005504.D

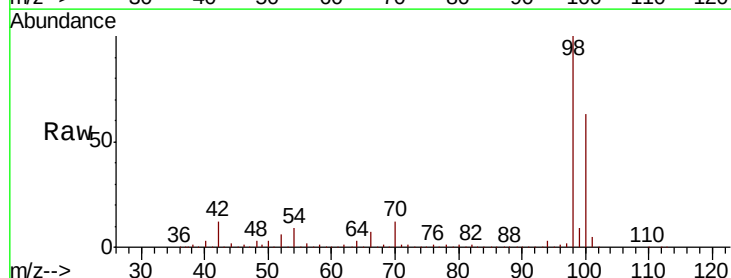
Acq: 23 Oct 2018 07:13

Tgt Ion: 98 Resp: 379679

Ion Ratio Lower Upper

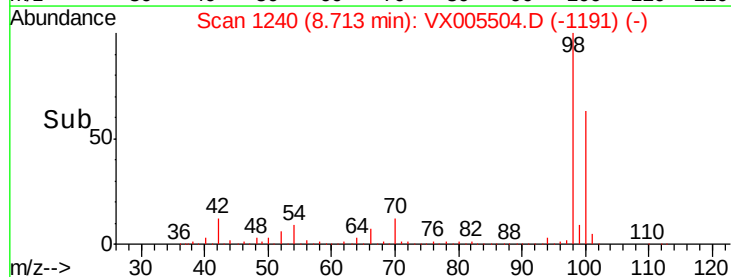
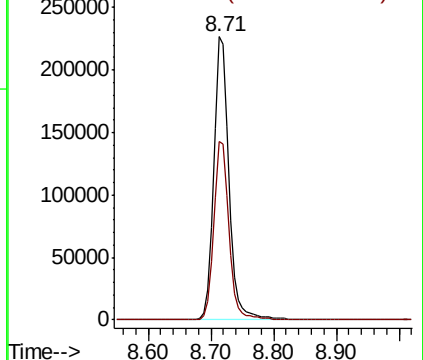
98 100

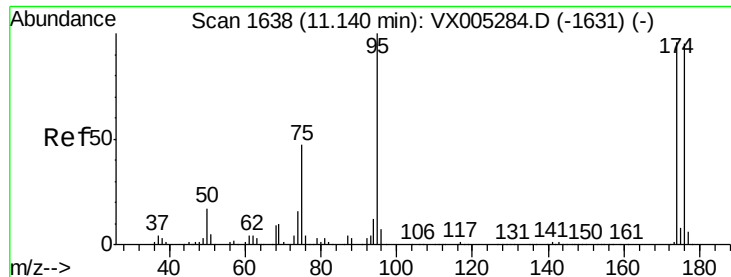
100 63.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

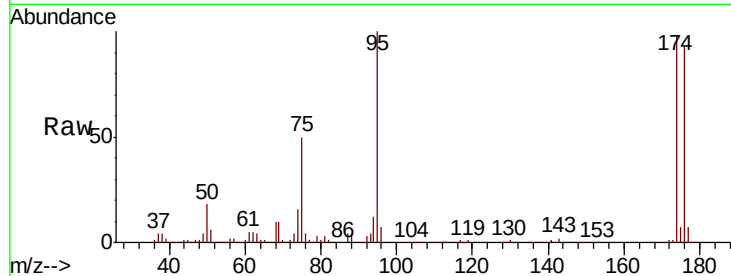




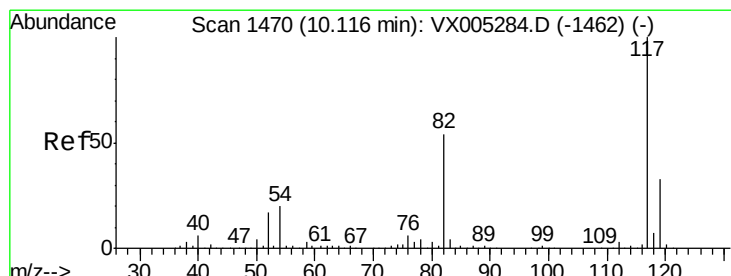
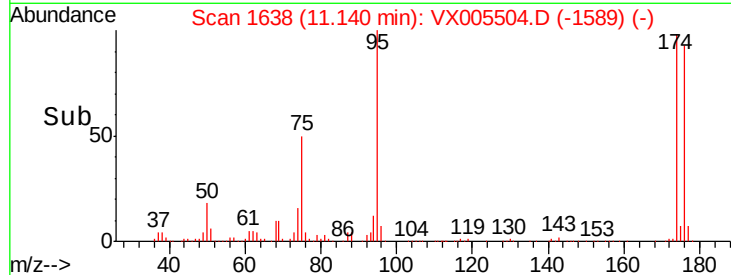
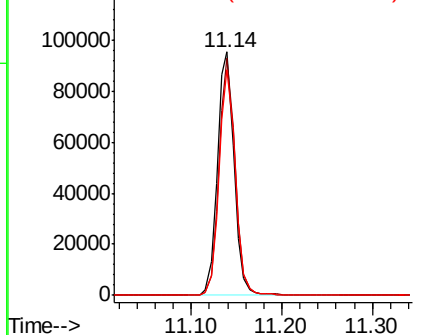
#62
 4-Bromofluorobenzene
 Concen: 46.360 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005504.D
 Acq: 23 Oct 2018 07:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RAV-GT104

Tot Ion: 95 Resp: 122765
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 185.2
 176 90.6 0.0 178.6

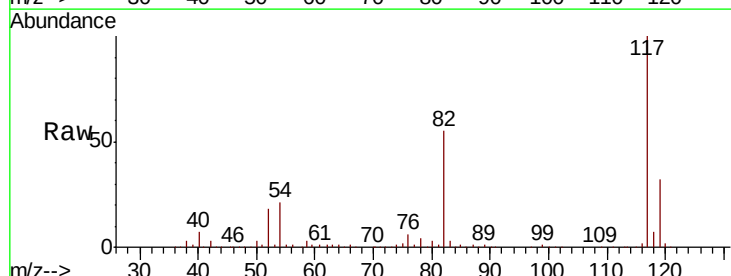


Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

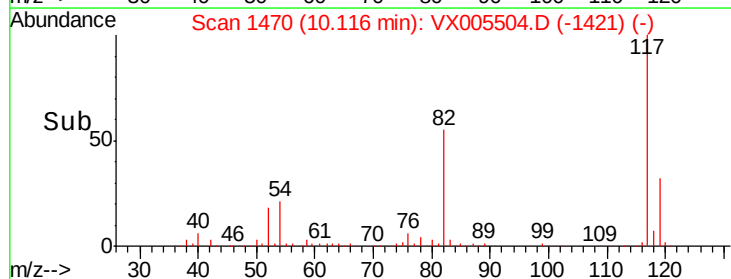
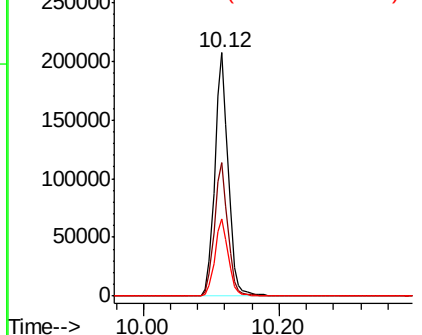


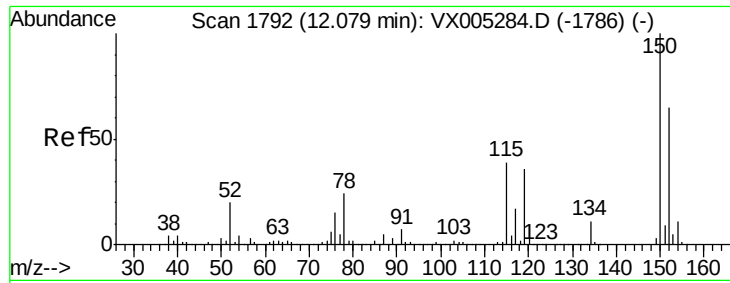
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VX005504.D
 Acq: 23 Oct 2018 07:13

Tgt Ion: 117 Resp: 283865
 Ion Ratio Lower Upper
 117 100
 82 54.7 47.8 71.6
 119 31.7 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: VX005504.D

Acq: 23 Oct 2018 07:13

Instrument :

MSVOA_X

ClientSampleId :

RAV-GT104

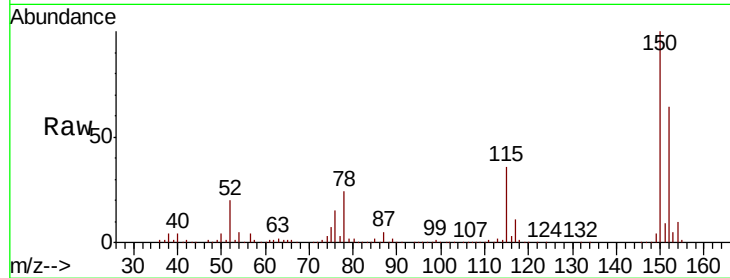
Tot Ion:152 Resp: 135646

Ion Ratio Lower Upper

152 100

115 56.0 39.0 117.0

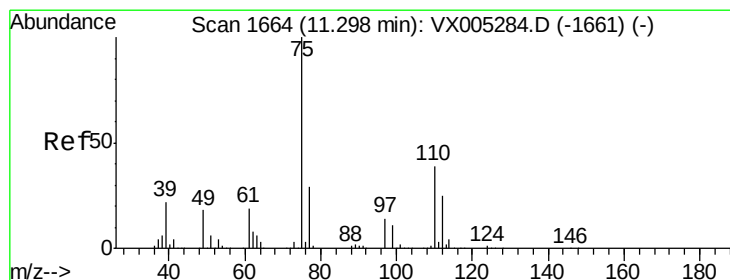
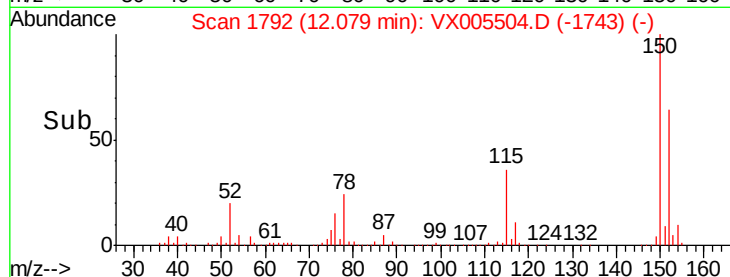
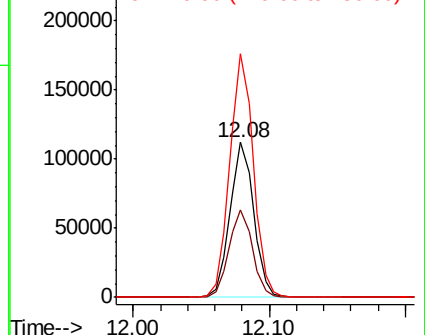
150 157.0 0.0 351.0



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: 23.537 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005504.D

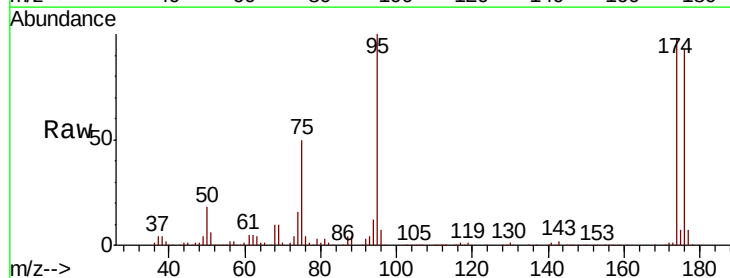
Acq: 23 Oct 2018 07:13

Tgt Ion: 75 Resp: 61929

Ion Ratio Lower Upper

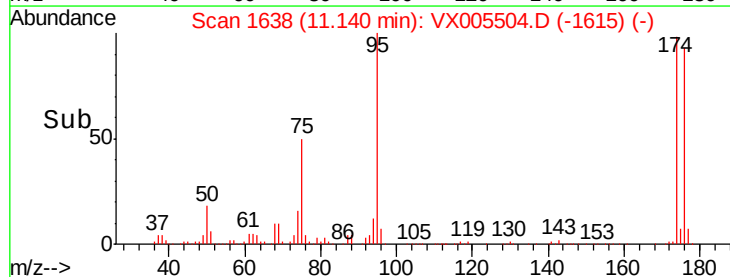
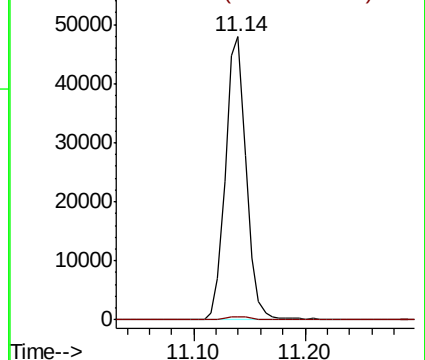
75 100

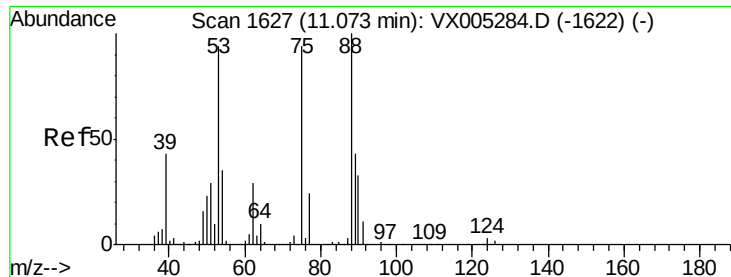
77 1.3 20.2 60.6#



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: 71.516 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005504.D

Acq: 23 Oct 2018 07:13

Instrument :

MSVOA_X

ClientSampleId :

RAV-GT104

Tot Ion: 75 Resp: 61929

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#

