

Data File : VX001569.D
Acq On : 09 May 2018 21:34
Operator : JC/MD
Sample : J2732-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RAV-RMW-2

Quant Time: May 10 04:19:10 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	294799	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	251070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126961	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	192124	61.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.56%	
35) Dibromofluoromethane	5.51	113	150017	57.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.42%	
50) Toluene-d8	8.72	98	521406	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
62) 4-Bromofluorobenzene	11.15	95	163661	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	620	Below Cal		97
6) Chloroethane	1.62	64	6946	3.52 ug/l	#	55
13) Acrolein	2.31	56	54	Below Cal	#	1
16) Acetone	2.45	43	5126	3.60 ug/l		93
20) Methylene Chloride	2.86	84	792	0.28 ug/l	#	87
31) Cyclohexane	5.67	56	3855	0.96 ug/l	#	19
36) 1,1-Dichloropropene	5.67	75	13289	3.54 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	18796	4.70 ug/l	#	17
54) cis-1,3-Dichloropropene	8.84	75	19	2.27 ug/l	#	34
76) 1,2,3-Trichloropropane	11.14	75	81870	31.80 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	81870	96.97 ug/l	#	7

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

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RAV-RMW-2

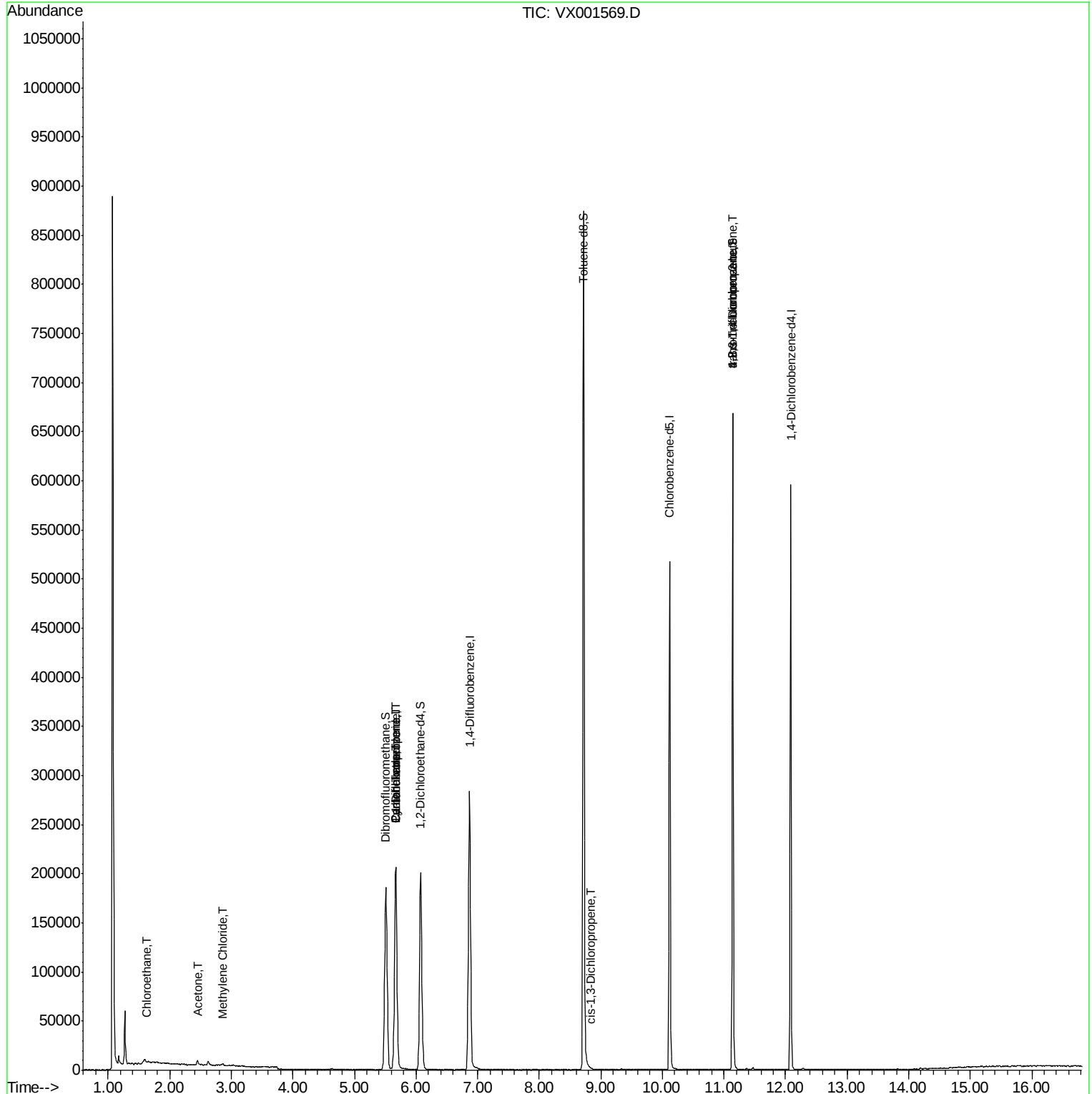
Quant Time: May 10 04:19:10 2018

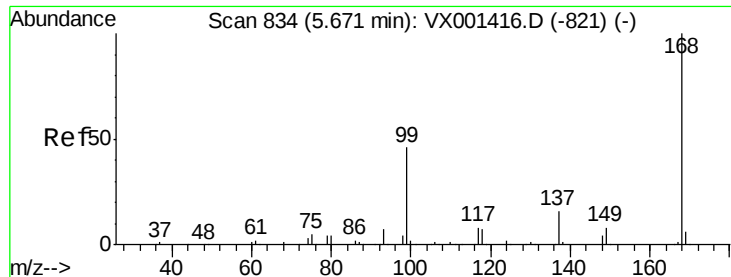
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Instrument :

MSVOA_X

ClientSampled :

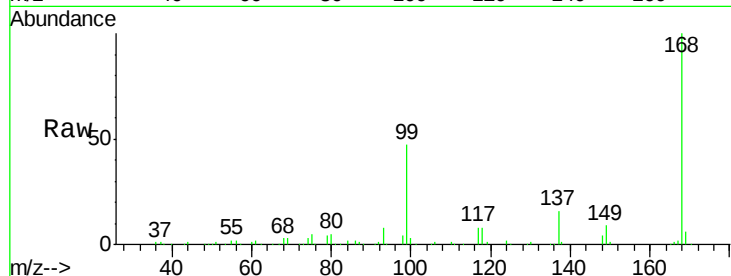
RAV-RMW-2

Tgt Ion: 168 Resp: 218141

Ion Ratio Lower Upper

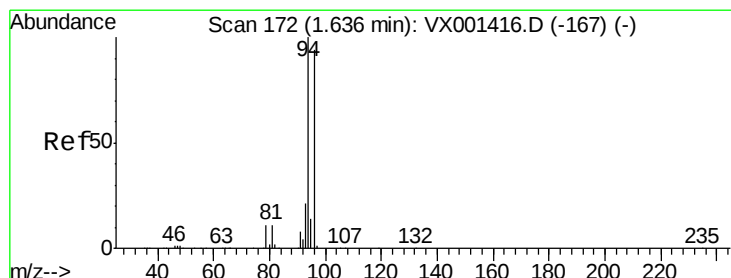
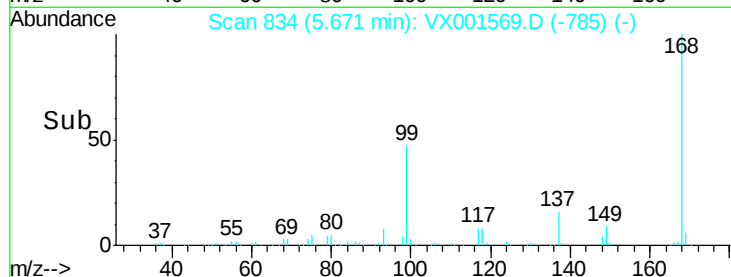
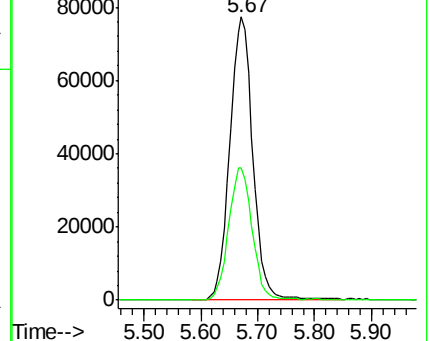
168 100

99 46.5 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001569.D

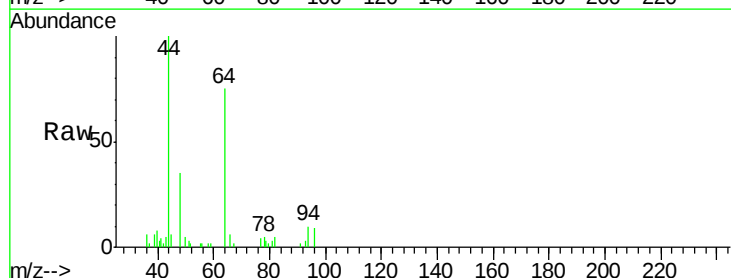
Acq: 09 May 2018 21:34

Tgt Ion: 94 Resp: 620

Ion Ratio Lower Upper

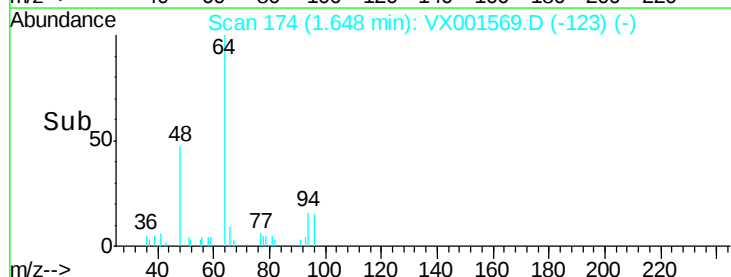
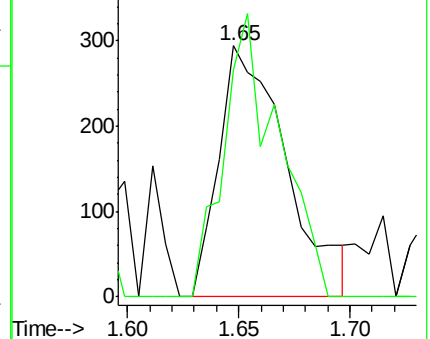
94 100

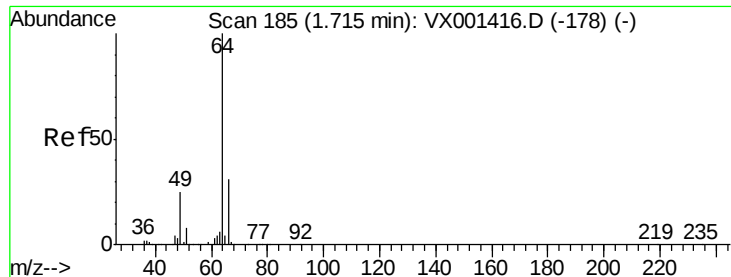
96 90.5 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 3.52 ug/l

RT: 1.62 min Scan# 170

Delta R.T. -0.09 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

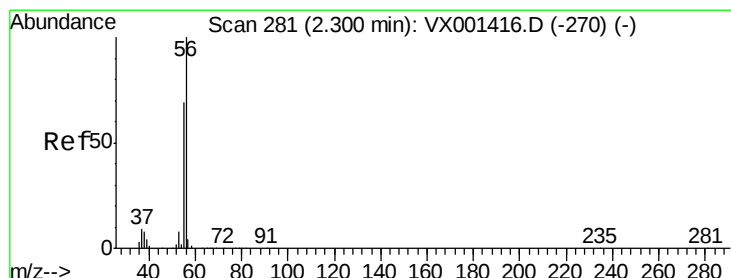
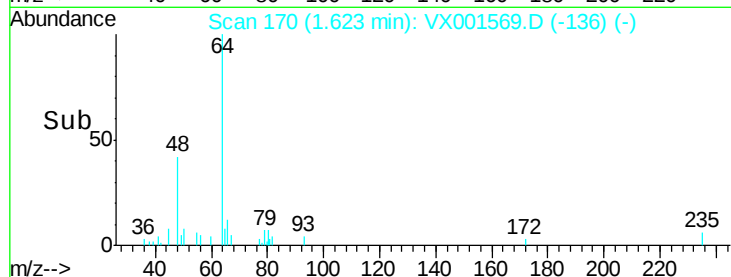
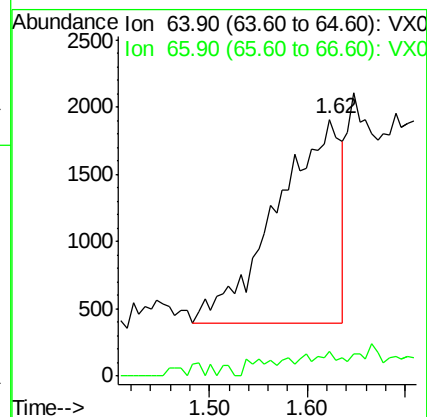
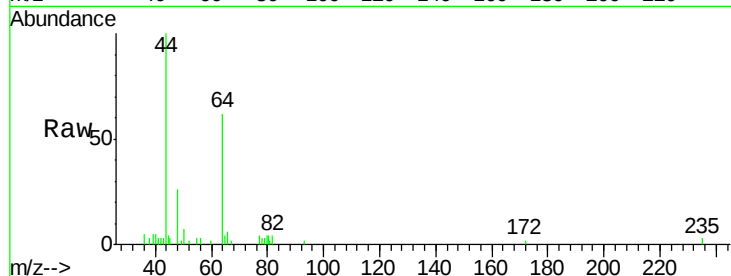
RAV-RMW-2

Tgt Ion: 64 Resp: 6946

Ion Ratio Lower Upper

64 100

66 6.7 25.1 37.7#



#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001569.D

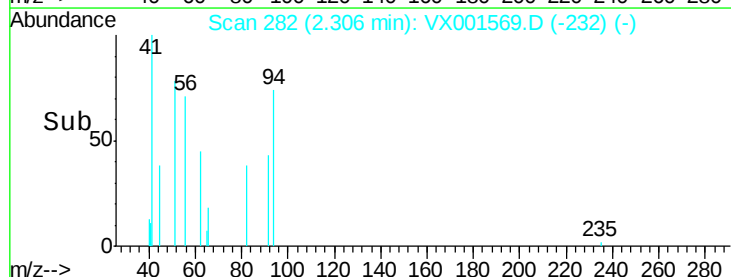
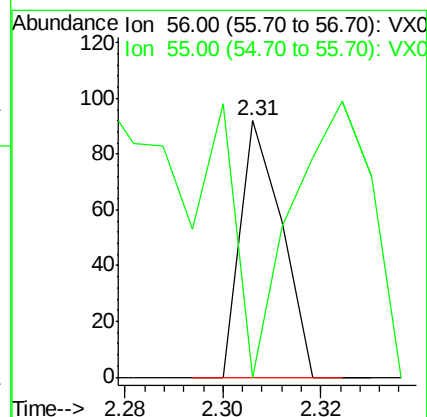
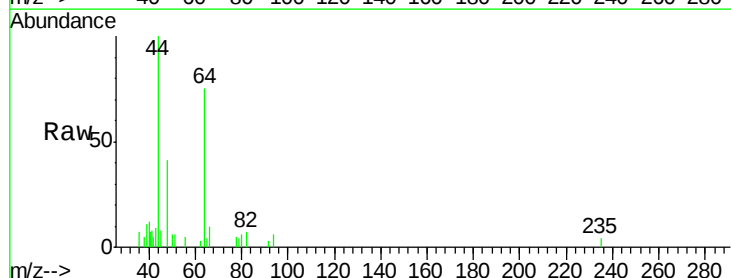
Acq: 09 May 2018 21:34

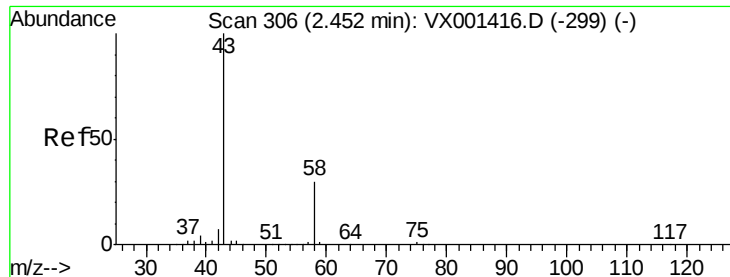
Tgt Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 205.6 54.5 81.7#





#16

Acetone

Concen: 3.60 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

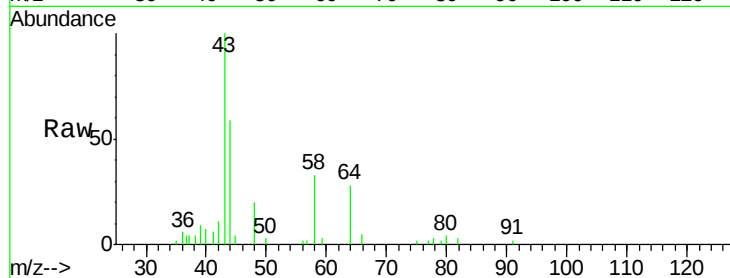
RAV-RMW-2

Tgt Ion: 43 Resp: 5126

Ion Ratio Lower Upper

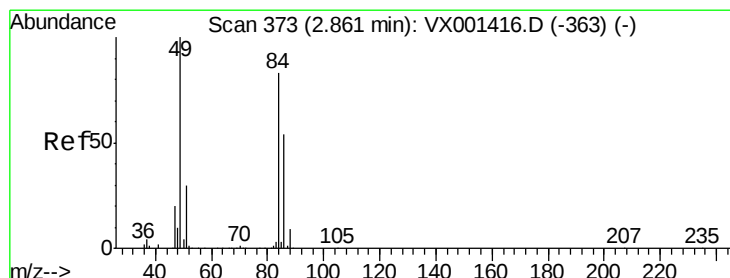
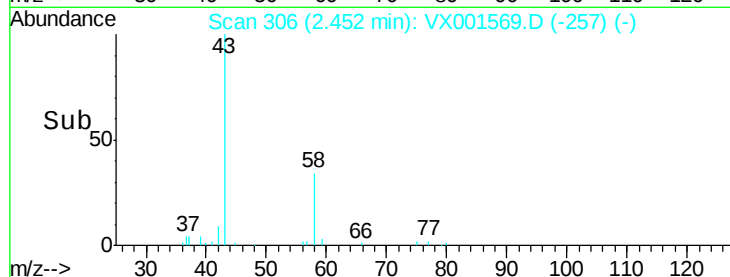
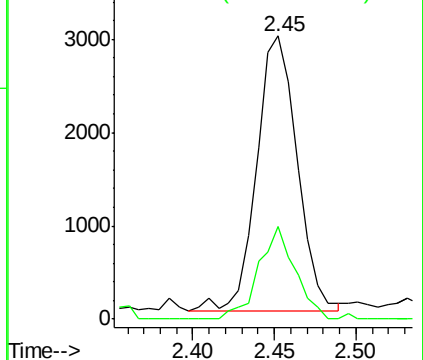
43 100

58 33.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.28 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Tgt Ion: 84 Resp: 792

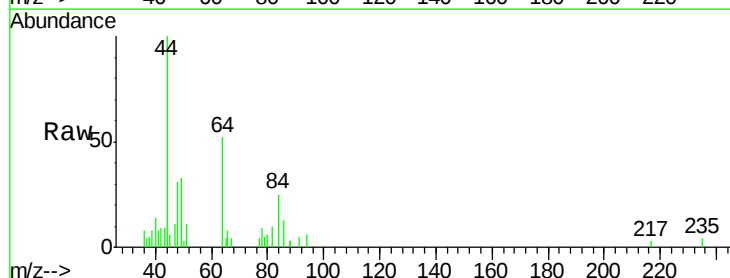
Ion Ratio Lower Upper

84 100

49 132.4 96.6 144.8

51 42.3 29.0 43.4

86 50.4 52.2 78.4#

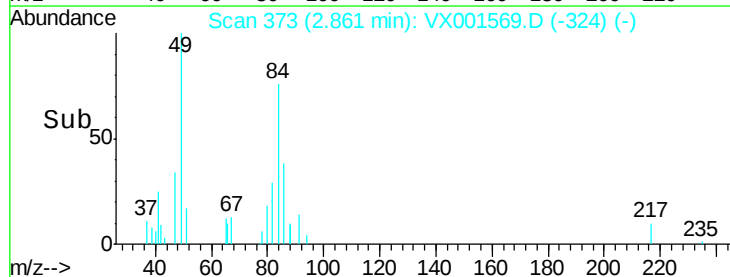
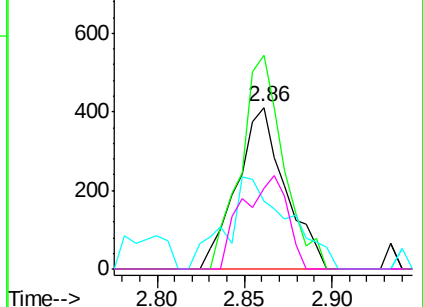


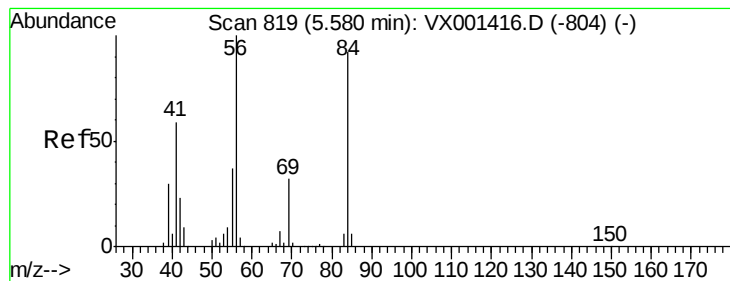
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.96 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

RAV-RMW-2

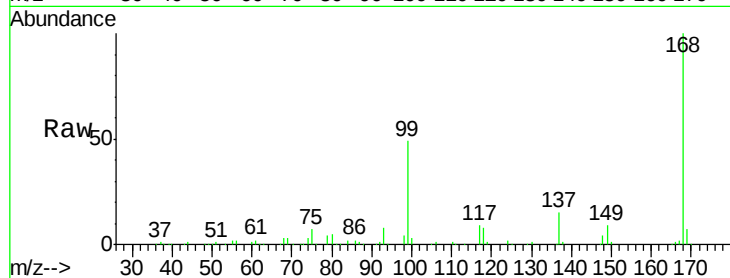
Tgt Ion: 56 Resp: 3855

Ion Ratio Lower Upper

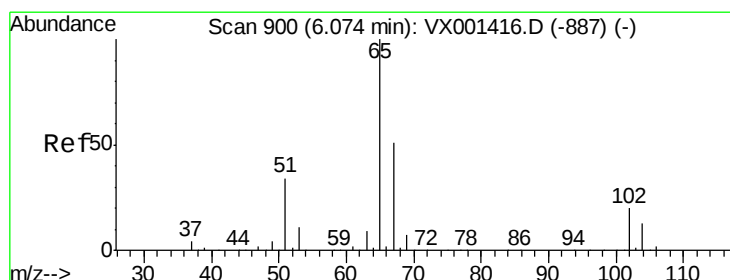
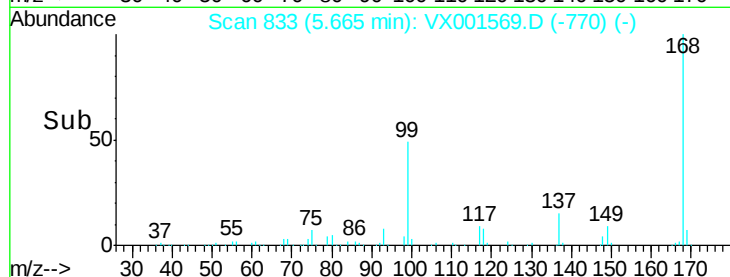
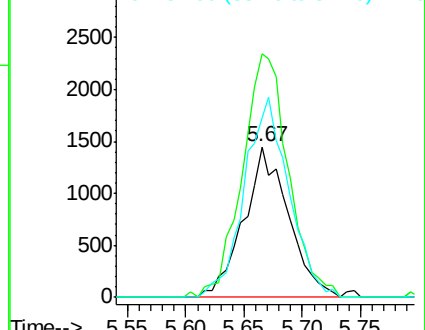
56 100

69 162.0 25.4 38.0#

84 119.9 73.8 110.8#



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: 61.28 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001569.D

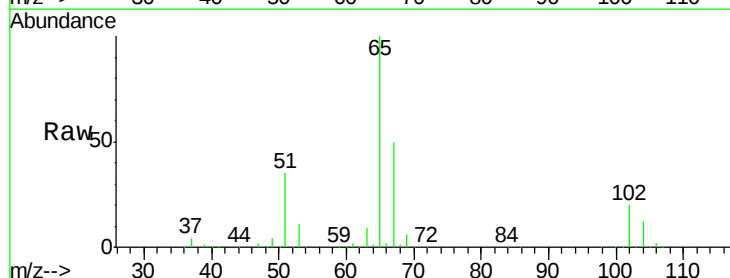
Acq: 09 May 2018 21:34

Tgt Ion: 65 Resp: 192124

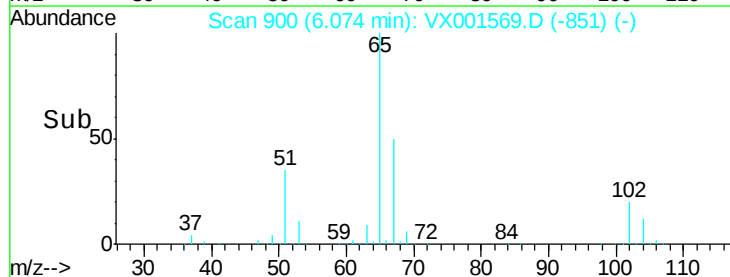
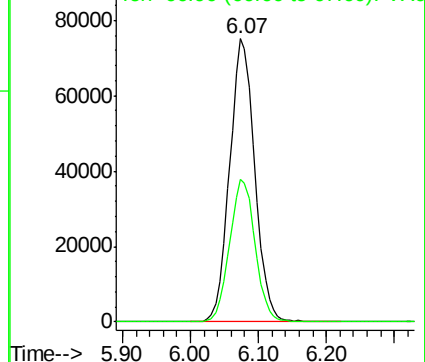
Ion Ratio Lower Upper

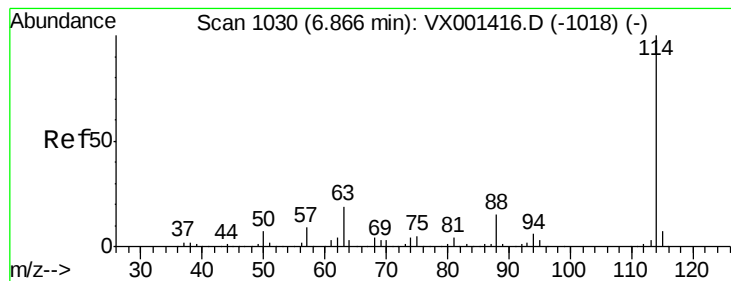
65 100

67 50.9 0.0 101.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

RAV-RMW-2

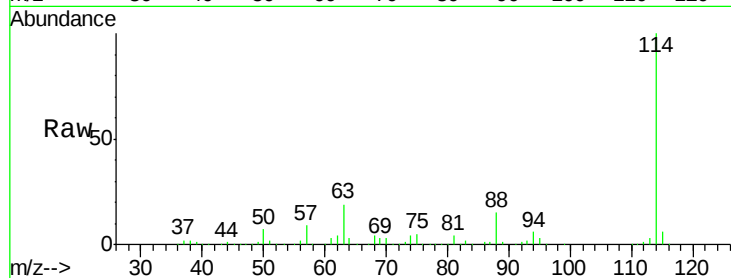
Tgt Ion:114 Resp: 294799

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

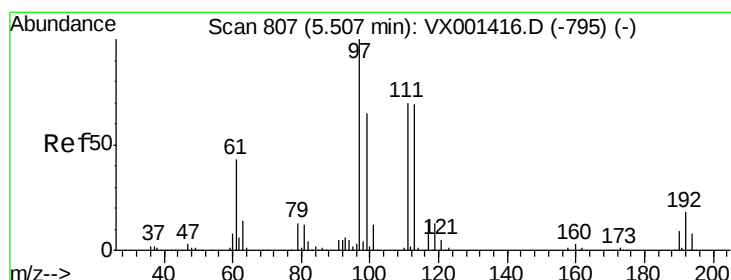
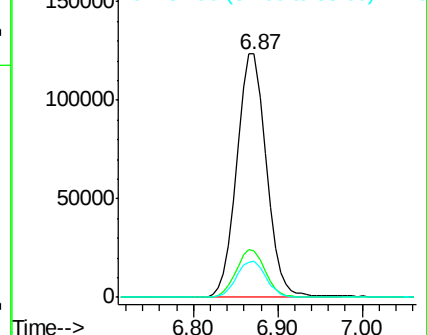
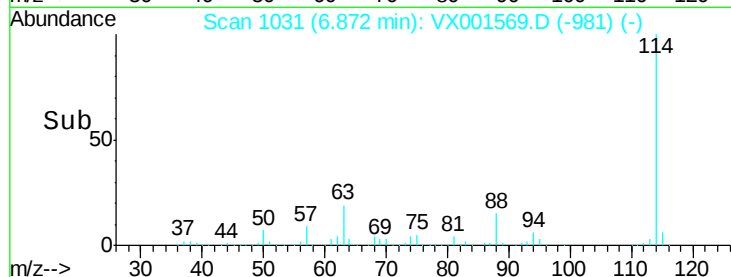
88 14.8 0.0 30.8



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: 57.21 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

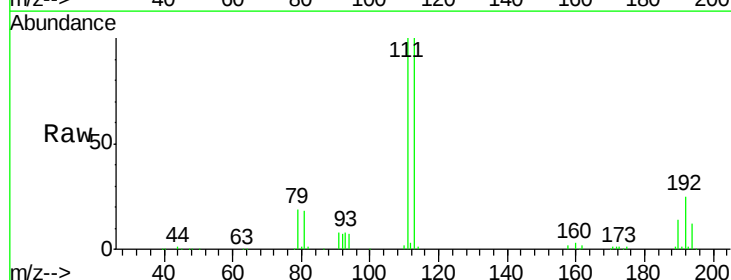
Tgt Ion:113 Resp: 150017

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

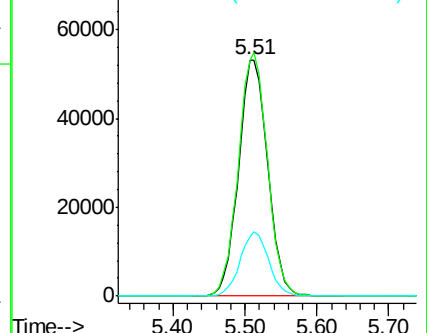
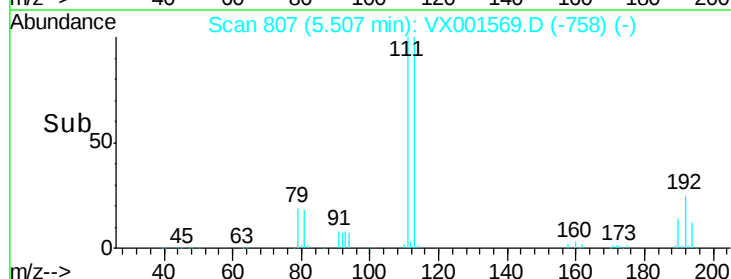
192 26.5 21.4 32.0

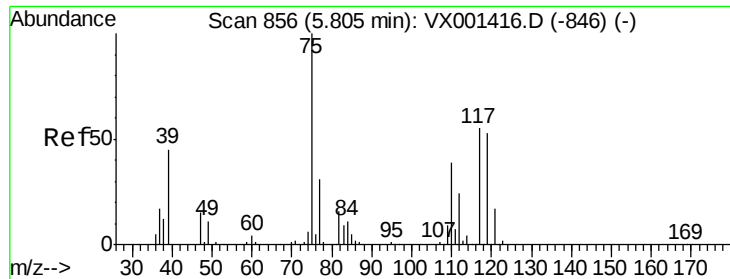


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.54 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

RAV-RMW-2

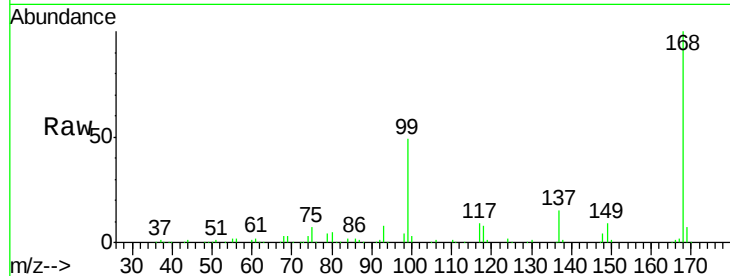
Tgt Ion: 75 Resp: 13289

Ion Ratio Lower Upper

75 100

110 9.5 18.9 56.7#

77 0.0 24.9 37.3#

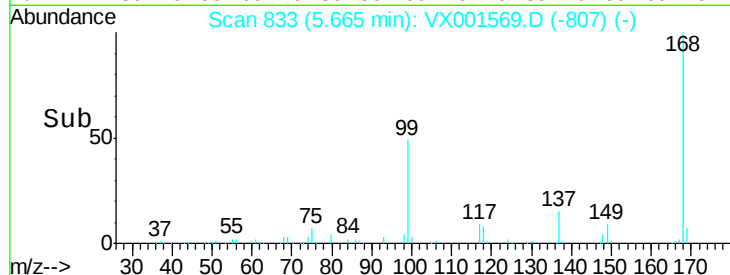


Abundance Ion 74.90 (74.60 to 75.60): VX001569.D (-807) (-)

Ion 109.90 (109.60 to 110.60): VX001569.D (-807) (-)

Ion 76.90 (76.60 to 77.60): VX001569.D (-807) (-)

Time-->



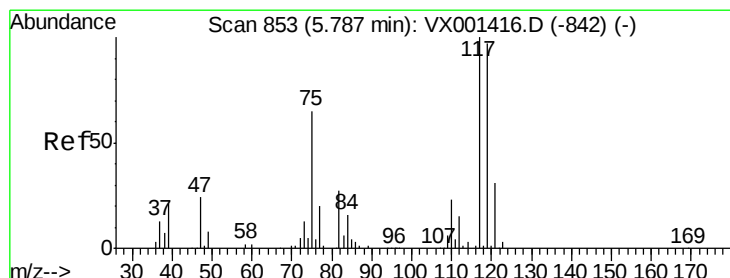
Abundance

Ion 74.90 (74.60 to 75.60): VX001569.D (-807) (-)

Ion 109.90 (109.60 to 110.60): VX001569.D (-807) (-)

Ion 76.90 (76.60 to 77.60): VX001569.D (-807) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.70 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

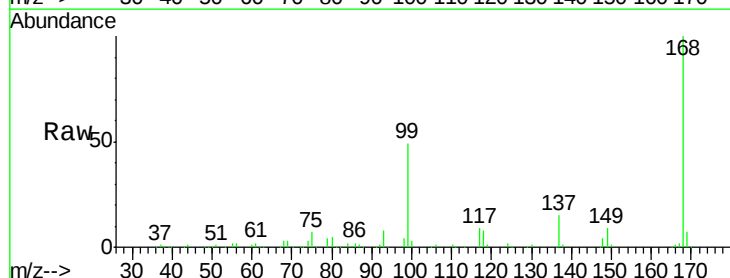
Tgt Ion: 117 Resp: 18796

Ion Ratio Lower Upper

117 100

119 6.3 77.0 115.6#

121 0.0 25.1 37.7#

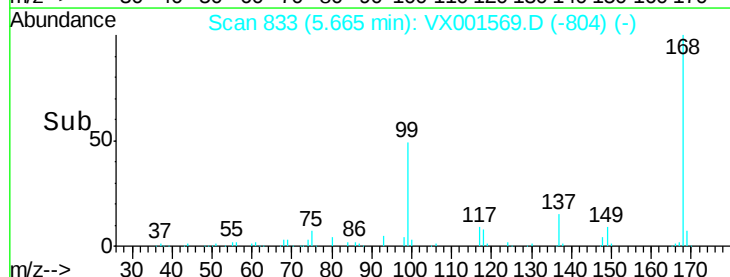


Abundance Ion 116.80 (116.50 to 117.50): VX001569.D (-804) (-)

Ion 118.80 (118.50 to 119.50): VX001569.D (-804) (-)

Ion 120.80 (120.50 to 121.50): VX001569.D (-804) (-)

Time-->



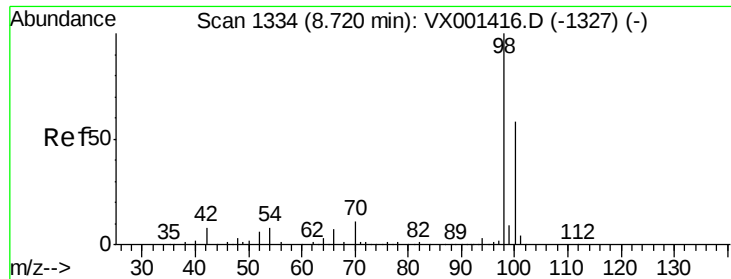
Abundance

Ion 116.80 (116.50 to 117.50): VX001569.D (-804) (-)

Ion 118.80 (118.50 to 119.50): VX001569.D (-804) (-)

Ion 120.80 (120.50 to 121.50): VX001569.D (-804) (-)

Time-->



#50

Toluene-d8

Concen: 54.48 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

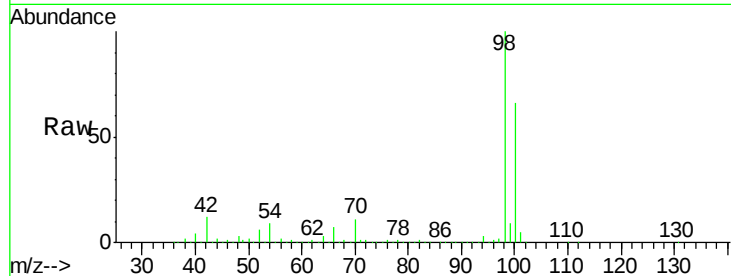
RAV-RMW-2

Tgt Ion: 98 Resp: 521406

Ion Ratio Lower Upper

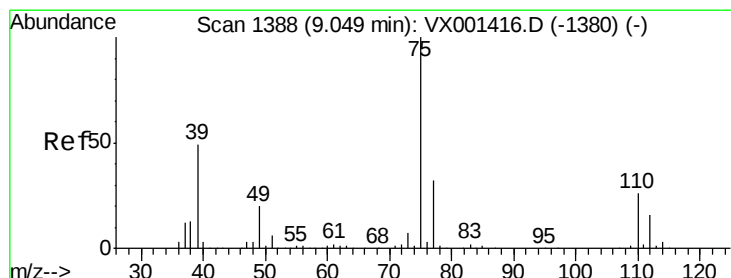
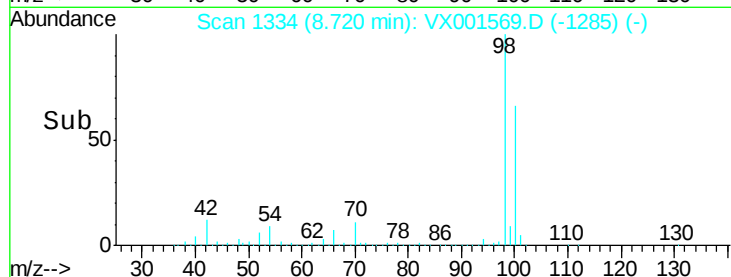
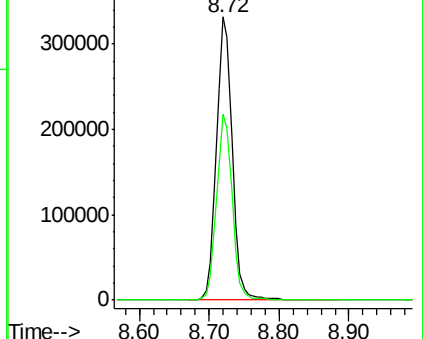
98 100

100 65.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 8.84 min Scan# 1353

Delta R.T. -0.21 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

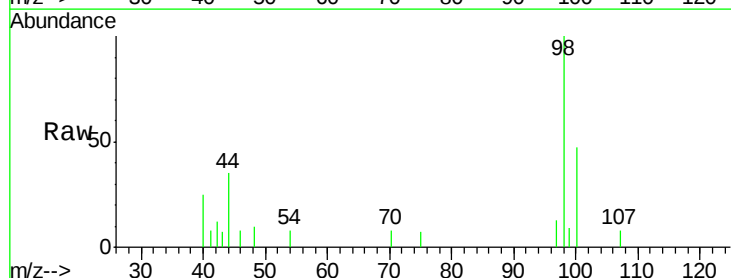
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

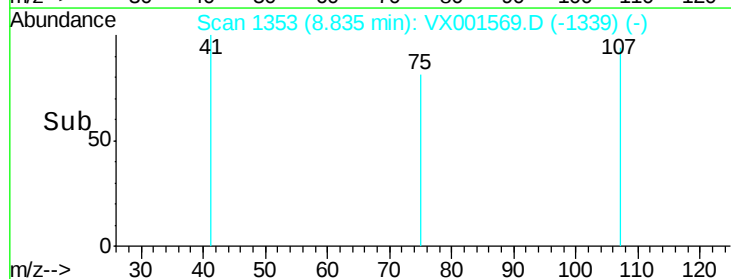
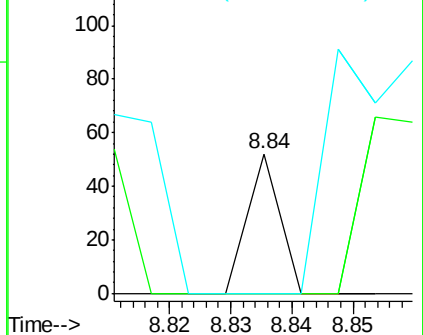
39 0.0 38.9 58.3#

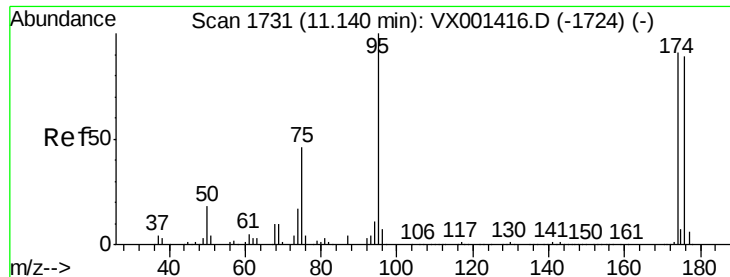


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

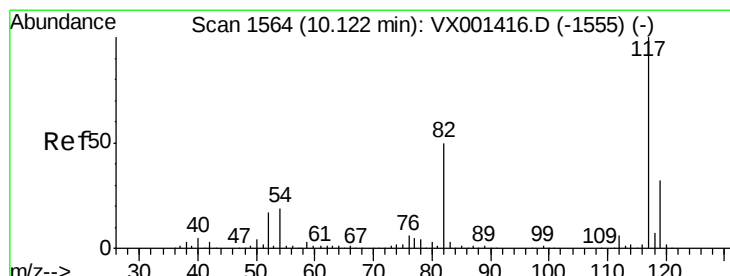
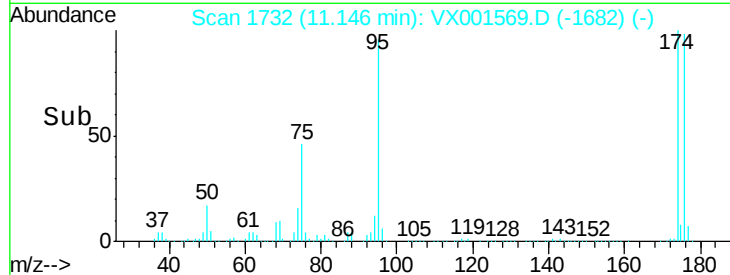
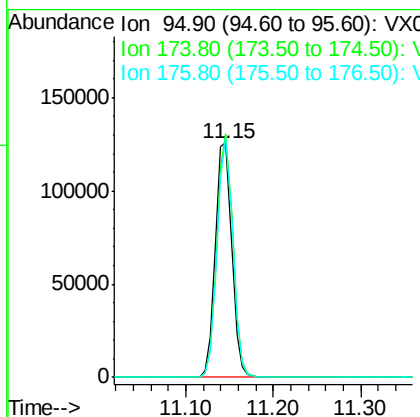
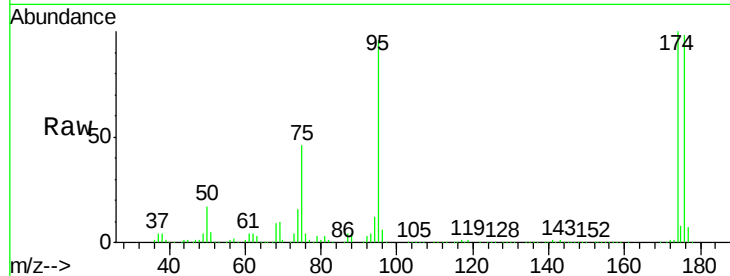




#62
4-Bromofluorobenzene
Concen: 44.54 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001569.D
Acq: 09 May 2018 21:34

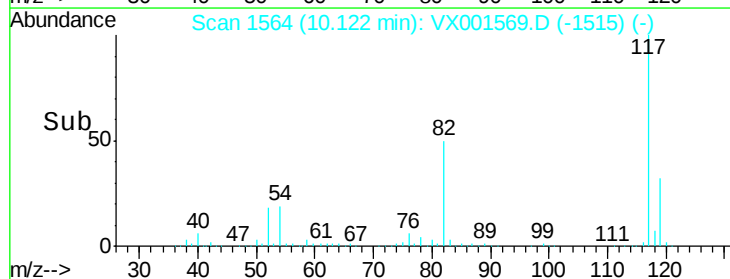
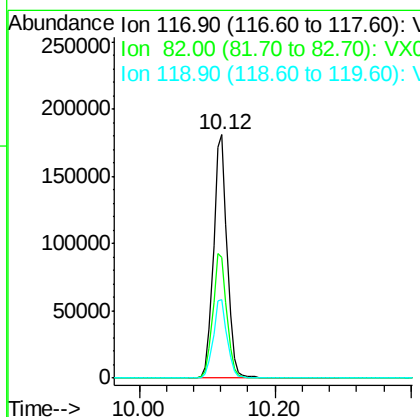
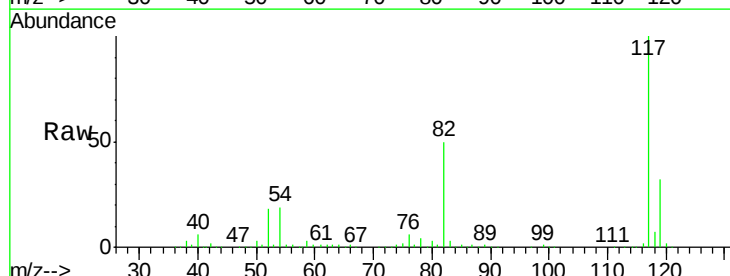
Instrument :
MSVOA_X
ClientSampled :
RAV-RMW-2

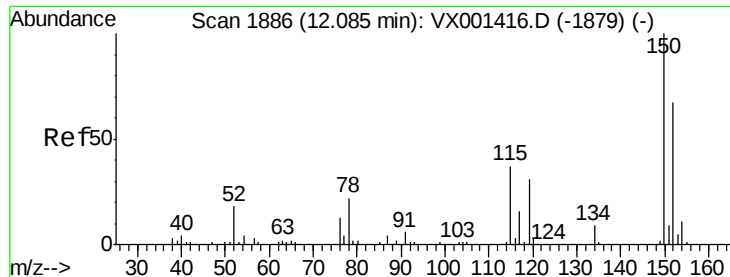
Tgt Ion: 95 Resp: 163661
Ion Ratio Lower Upper
95 100
174 100.2 0.0 202.0
176 96.8 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001569.D
Acq: 09 May 2018 21:34

Tgt Ion: 117 Resp: 251070
Ion Ratio Lower Upper
117 100
82 49.7 40.0 60.0
119 32.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Instrument :

MSVOA_X

ClientSampled :

RAV-RMW-2

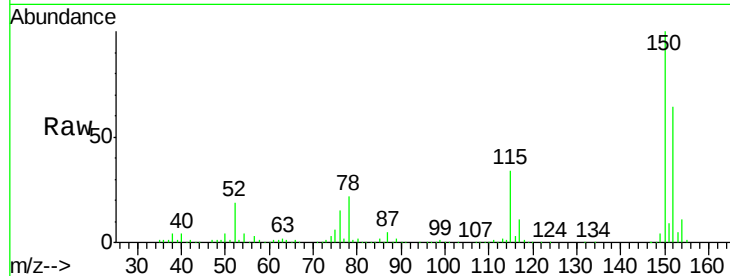
Tgt Ion: 152 Resp: 126961

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

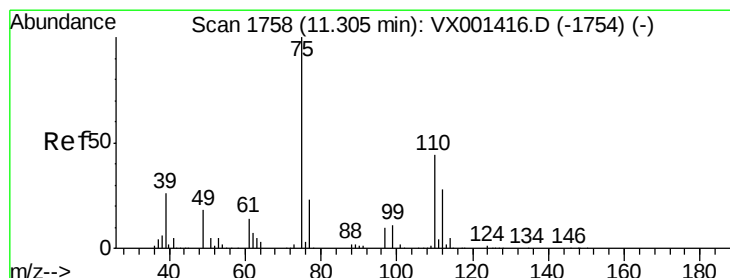
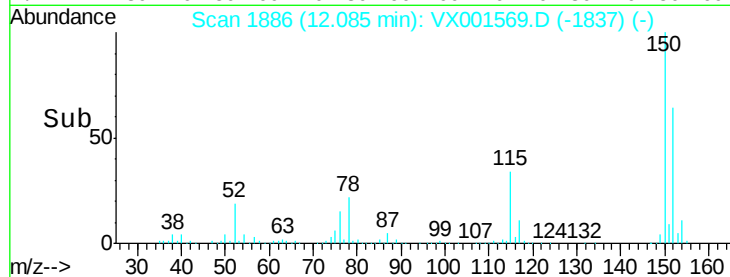
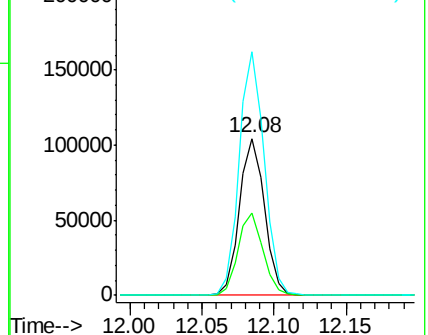
150 155.4 0.0 349.4



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: 31.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001569.D

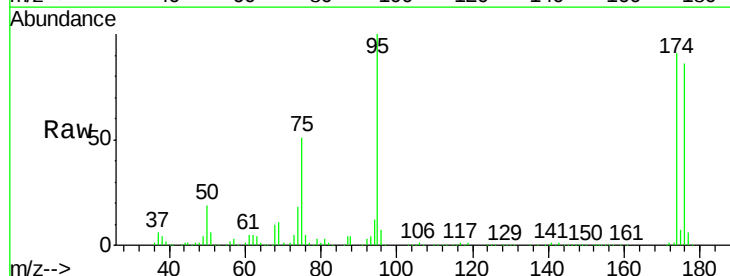
Acq: 09 May 2018 21:34

Tgt Ion: 75 Resp: 81870

Ion Ratio Lower Upper

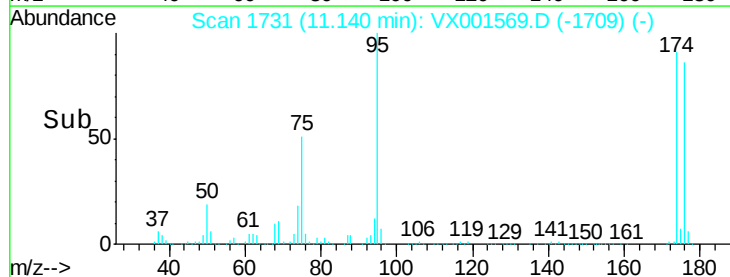
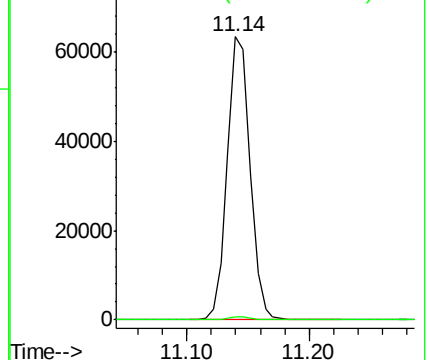
75 100

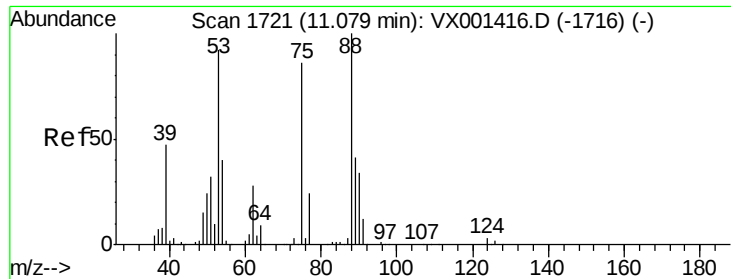
77 1.2 19.6 58.7#



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: 96.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001569.D

Acq: 09 May 2018 21:34

Instrument :

MSVOA_X

ClientSampleId :

RAV-RMW-2

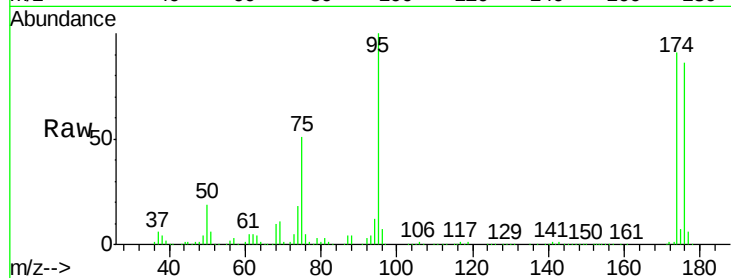
Tgt Ion: 75 Resp: 81870

Ion Ratio Lower Upper

75 100

53 0.2 84.5 126.7#

89 0.0 39.5 59.3#



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

