

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033018\
 Data File : VX000569.D
 Acq On : 30 Mar 2018 19:14
 Operator : JC/MD
 Sample : J2131-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 4534-37

Quant Time: Mar 31 05:02:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	150843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	266915	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	274781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144464	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	107973	54.84	ug/l	0.00
Spiked Amount			Recovery	=	109.68%	
35) Dibromofluoromethane	5.51	113	82434	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	8.73	98	340289	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.15	95	128718	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	

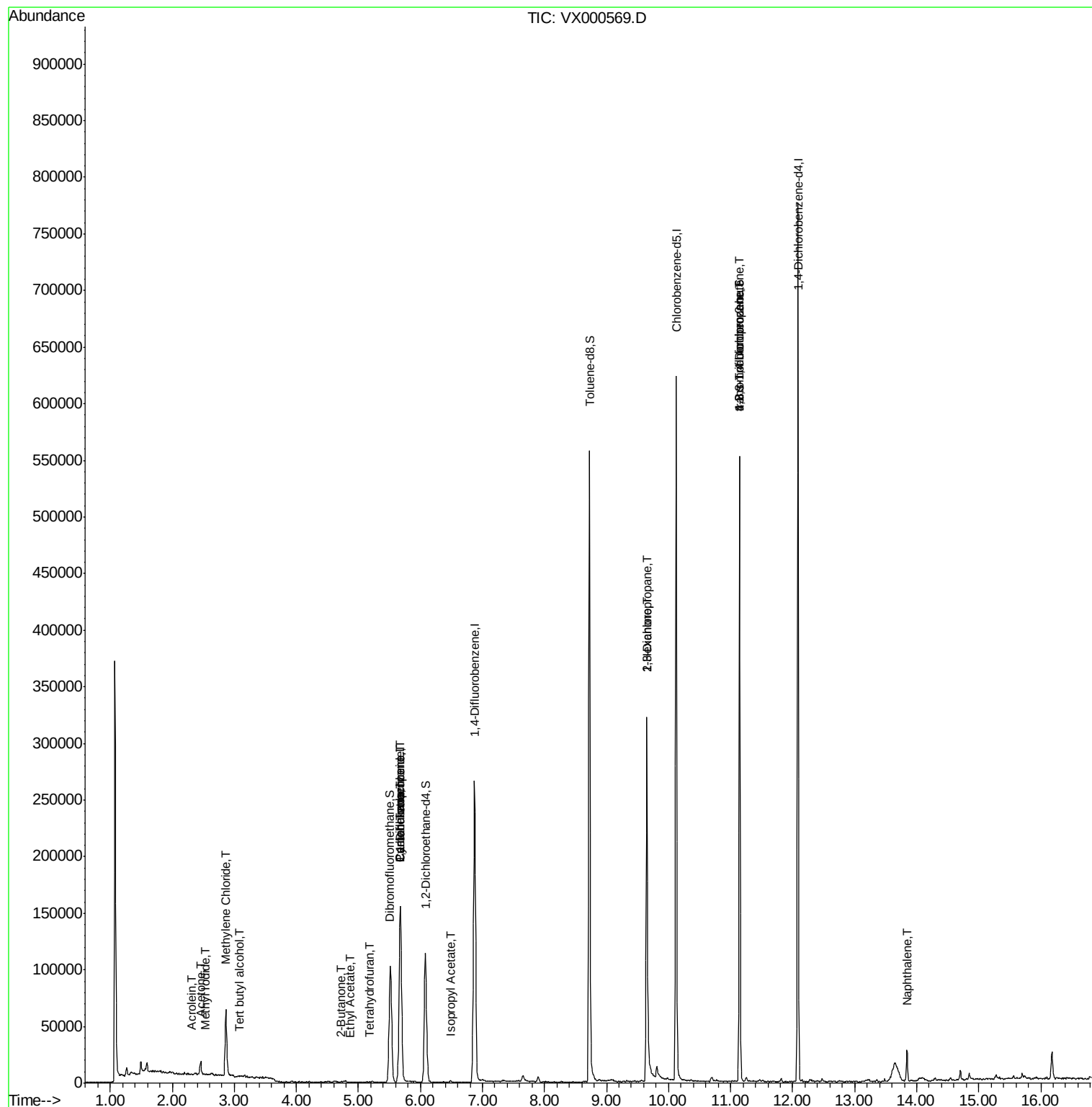
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	421	Below Cal	#	79
10) Methyl Iodide	2.53	142	22	4.29	ug/l #	1
11) Tert butyl alcohol	3.08	59	1142	1.69	ug/l #	29
13) Acrolein	2.30	56	550	16.97	ug/l #	66
14) Allyl chloride	2.75	41	110	Below Cal	#	67
16) Acetone	2.45	43	13291	8.11	ug/l	98
20) Methylene Chloride	2.87	84	27806	14.70	ug/l	90
25) 2-Butanone	4.71	43	533	0.29	ug/l #	49
29) Tetrahydrofuran	5.18	42	318	0.28	ug/l #	67
31) Cyclohexane	5.67	56	3444	1.39	ug/l #	58
36) 1,1-Dichloropropene	5.68	75	11514	4.61	ug/l #	53
37) Ethyl Acetate	4.87	43	714	0.21	ug/l #	69
38) Carbon Tetrachloride	5.68	117	15247	5.81	ug/l #	16
43) Isopropyl Acetate	6.48	43	1712	0.34	ug/l #	74
57) 1,3-Dichloropropane	9.65	76	1144	0.34	ug/l #	46
59) 2-Hexanone	9.65	43	82268	24.62	ug/l #	44
74) N-amyl acetate	6.48	43	1712	Below Cal	#	72
76) 1,2,3-Trichloropropane	11.15	75	69871	22.50	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	69871	72.86	ug/l #	9
95) Naphthalene	13.84	128	17197	1.46	ug/l	98

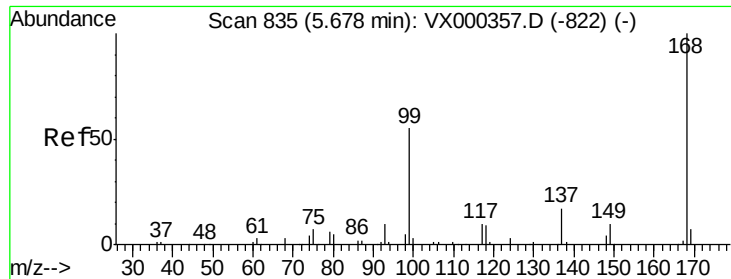
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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QLast Update : Wed Mar 21 04:52:42 2018
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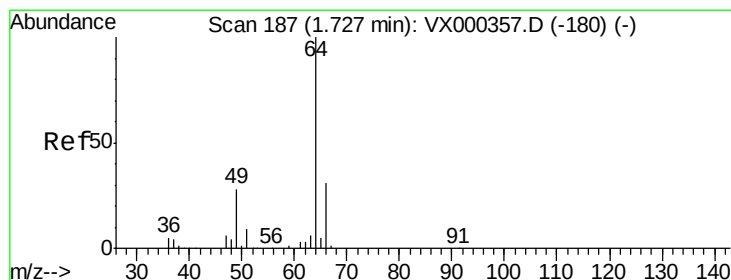
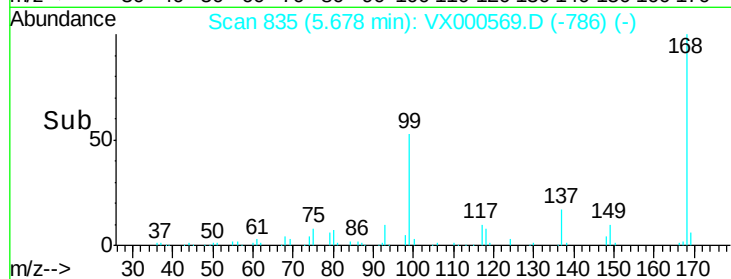
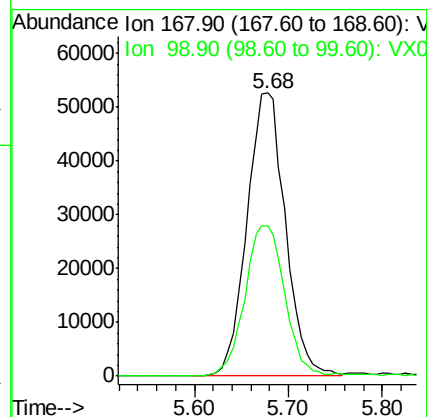
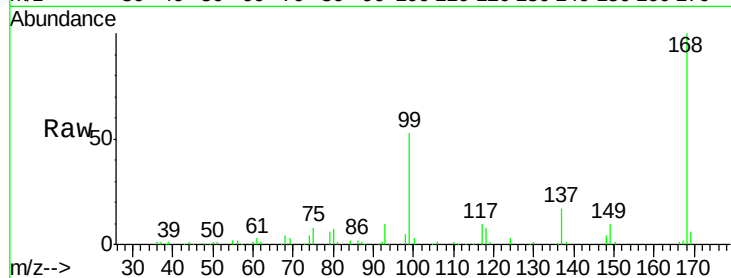




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.00 min
Lab File: VX000569.D
Acq: 30 Mar 2018 19:14

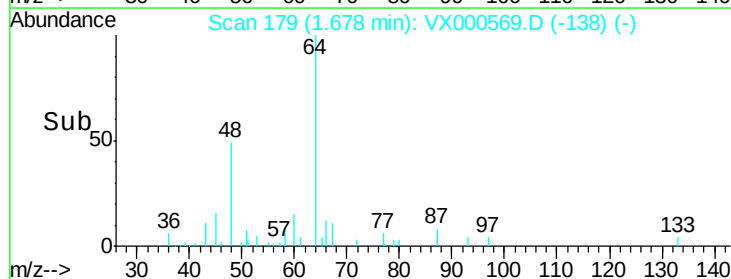
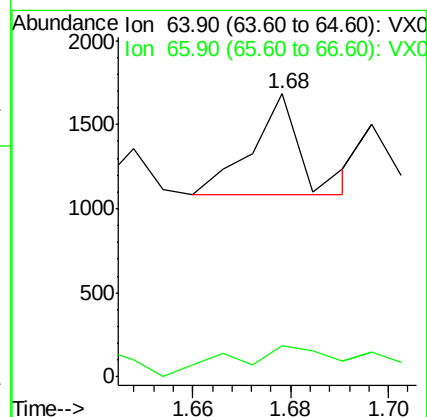
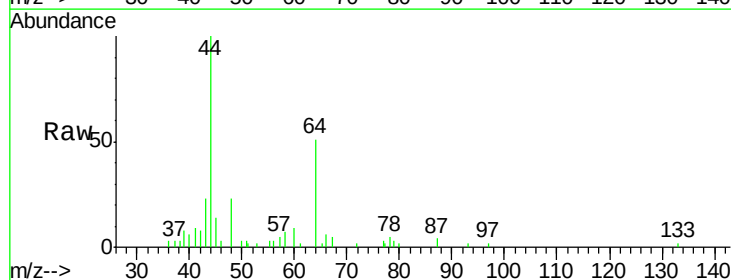
Instrument :
MSVOA_X
ClientSampleId :
4534-37

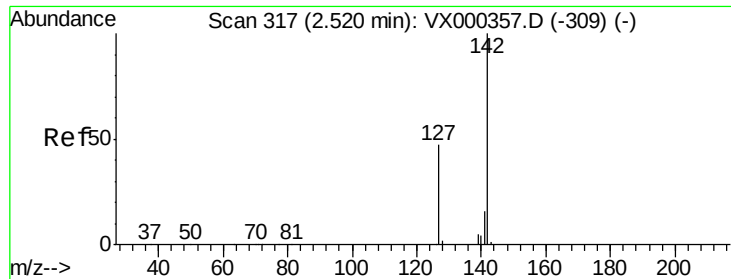
Tgt Ion:168 Resp: 150843
Ion Ratio Lower Upper
168 100
99 53.1 45.8 68.6



#6
Chloroethane
Concen: Below Cal
RT: 1.68 min Scan# 179
Delta R.T. -0.05 min
Lab File: VX000569.D
Acq: 30 Mar 2018 19:14

Tgt Ion: 64 Resp: 421
Ion Ratio Lower Upper
64 100
66 19.3 24.8 37.2#

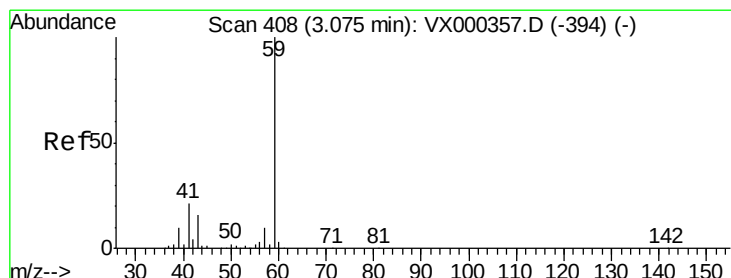
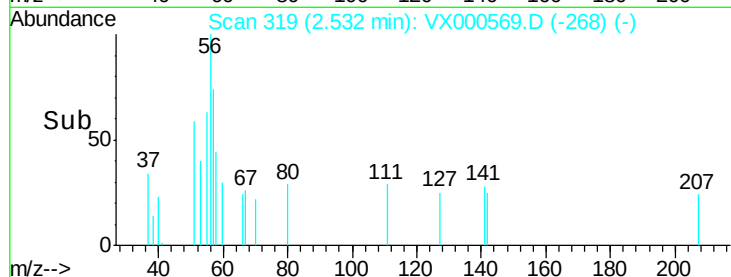
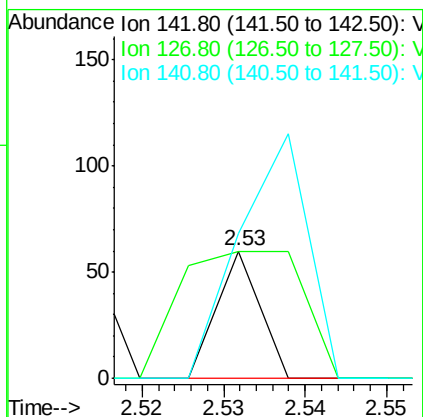
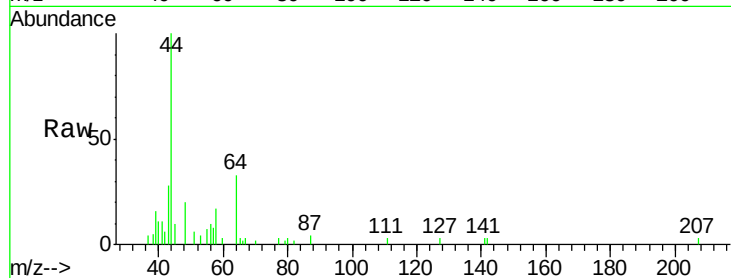




#10
Methyl Iodide
Concen: 4.29 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX000569.D
Acq: 30 Mar 2018 19:14

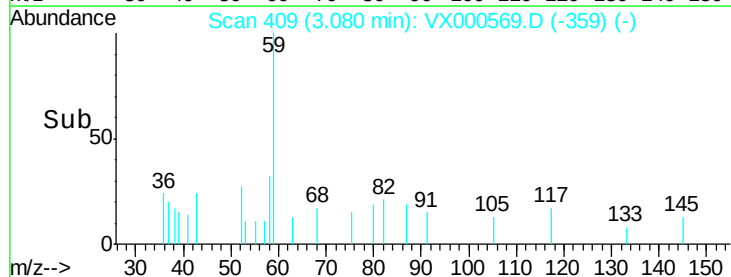
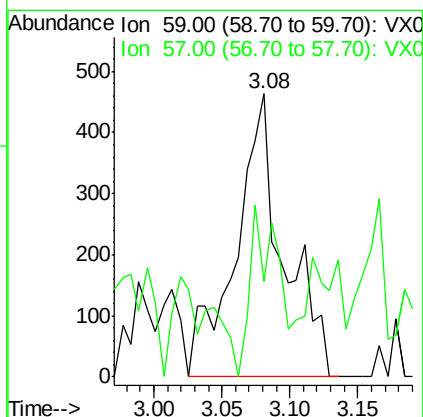
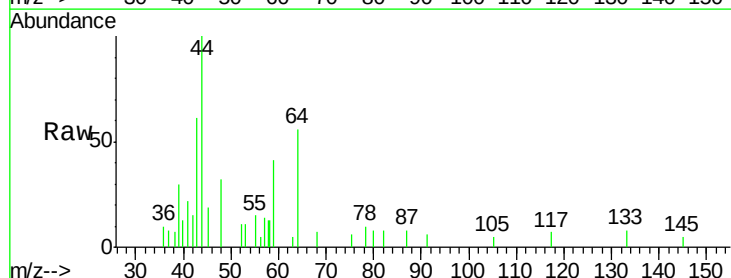
Instrument :
MSVOA_X
ClientSampled :
4534-37

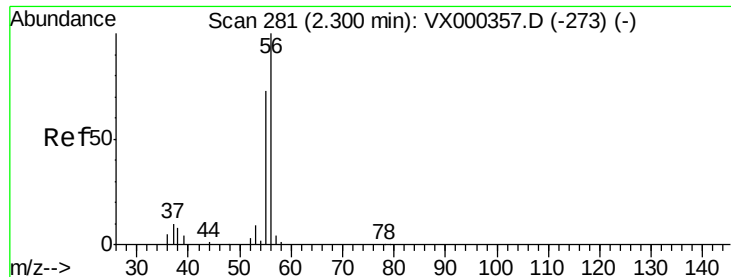
Tgt Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 286.4 39.2 58.8#
141 304.5 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.69 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000569.D
Acq: 30 Mar 2018 19:14

Tgt Ion: 59 Resp: 1142
Ion Ratio Lower Upper
59 100
57 37.1 8.4 12.6#





#13

Acrolein

Concen: 16.97 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

Instrument :

MSVOA_X

ClientSampled :

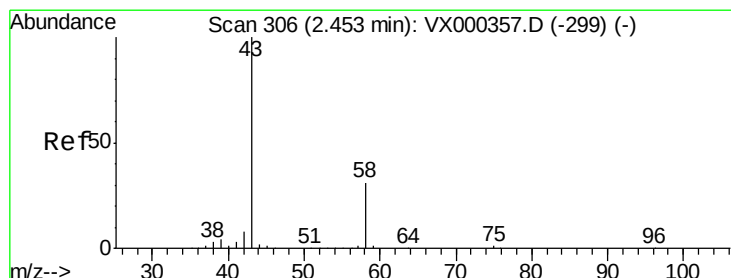
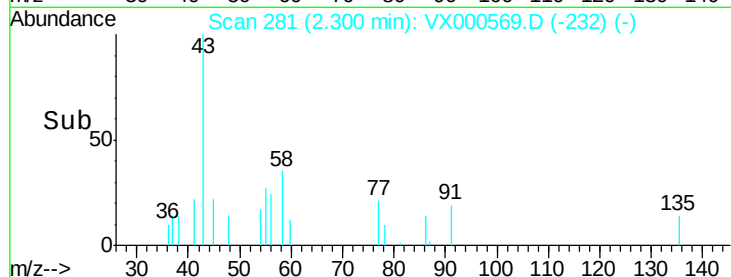
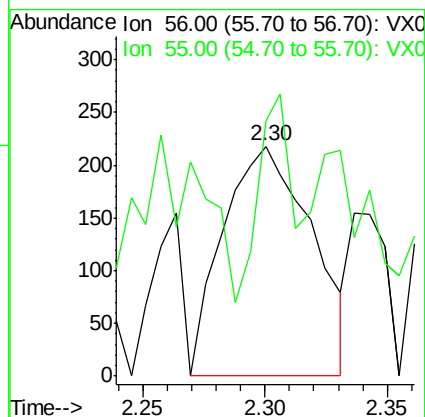
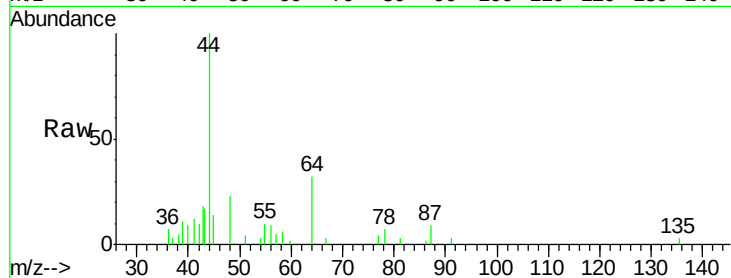
4534-37

Tgt Ion: 56 Resp: 550

Ion Ratio Lower Upper

56 100

55 44.9 58.8 88.2#



#16

Acetone

Concen: 8.11 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000569.D

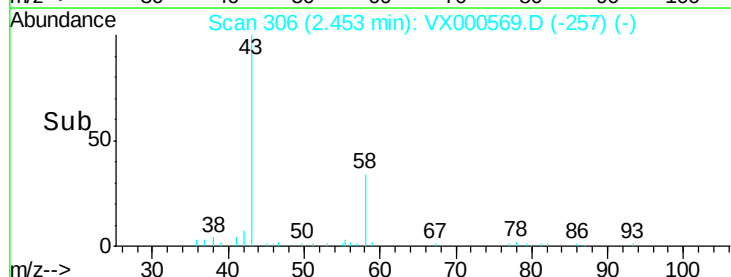
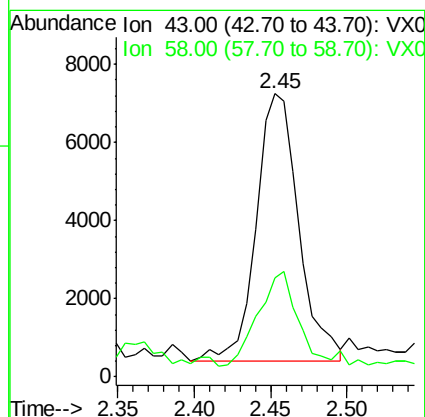
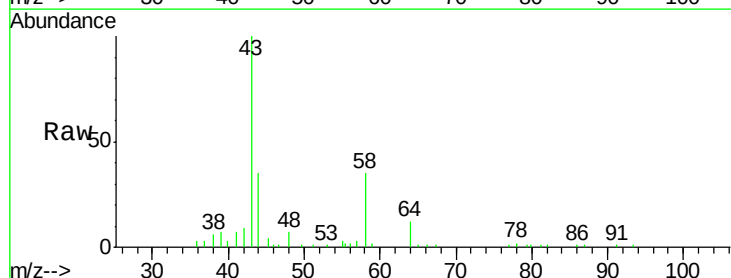
Acq: 30 Mar 2018 19:14

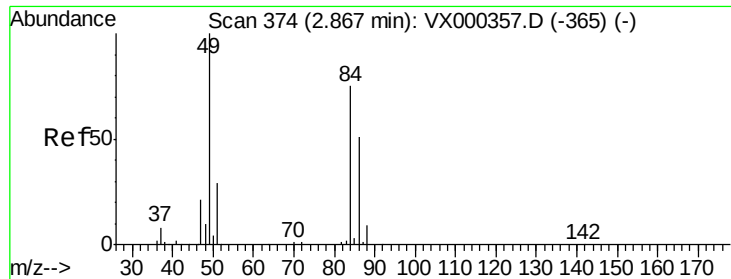
Tgt Ion: 43 Resp: 13291

Ion Ratio Lower Upper

43 100

58 32.0 24.7 37.1

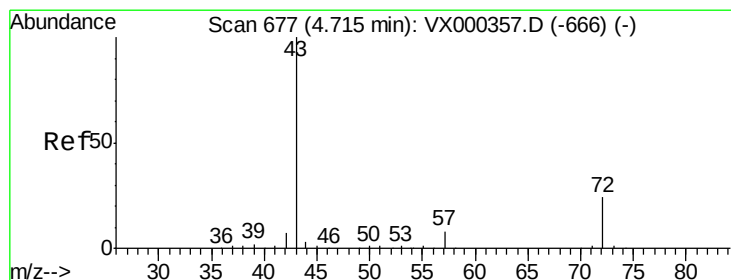
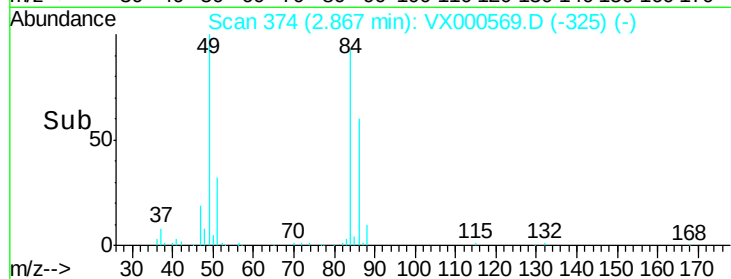
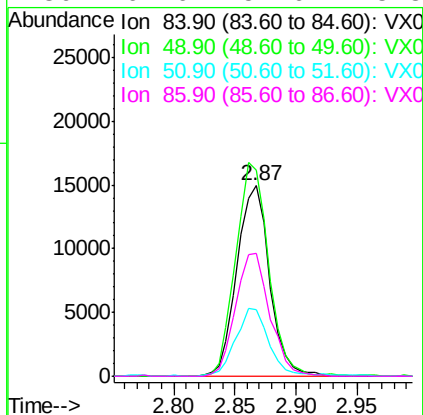
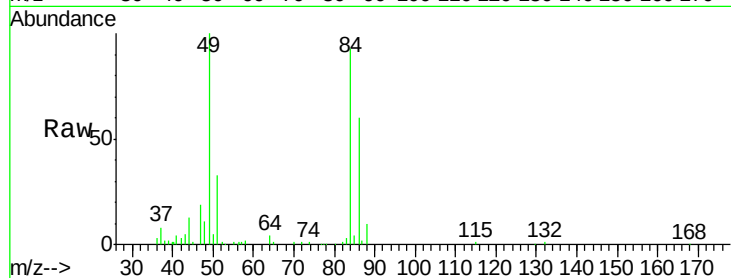




#20
Methylene Chloride
Concen: 14.70 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000569.D
Acq: 30 Mar 2018 19:14

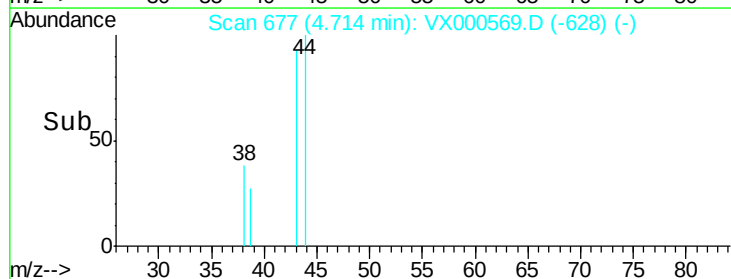
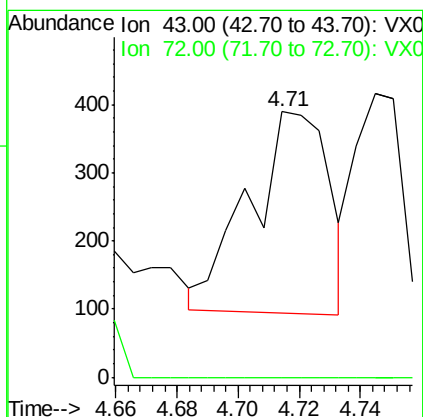
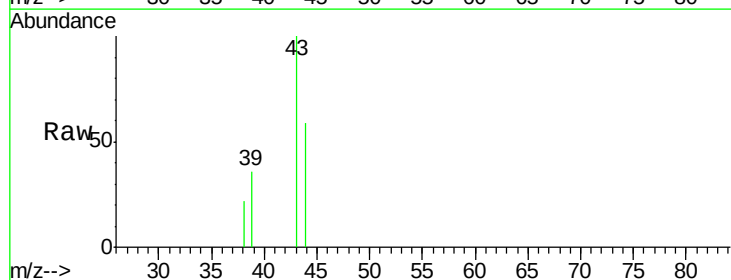
Instrument :
MSVOA_X
ClientSampled :
4534-37

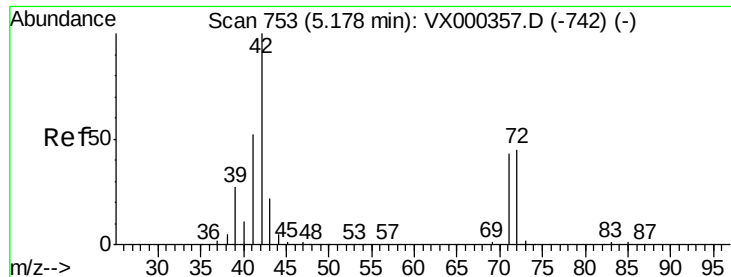
Tgt Ion:	84	Resp:	27806
Ion	Ratio	Lower	Upper
84	100		
49	108.0	100.6	151.0
51	34.8	31.6	47.4
86	64.6	52.6	78.8



#25
2-Butanone
Concen: 0.29 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX000569.D
Acq: 30 Mar 2018 19:14

Tgt Ion:	43	Resp:	533
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#





#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

4534-37

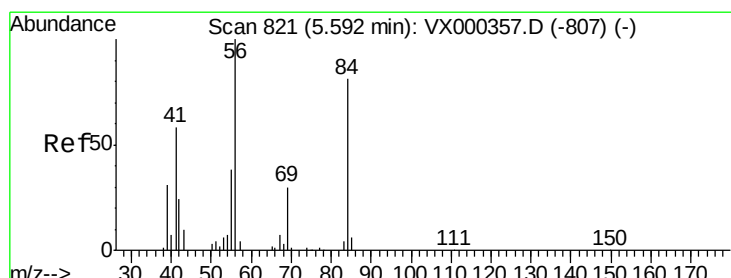
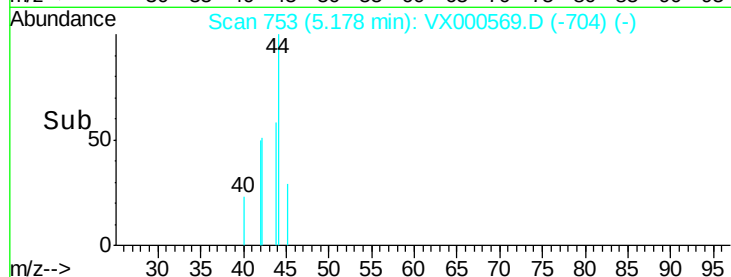
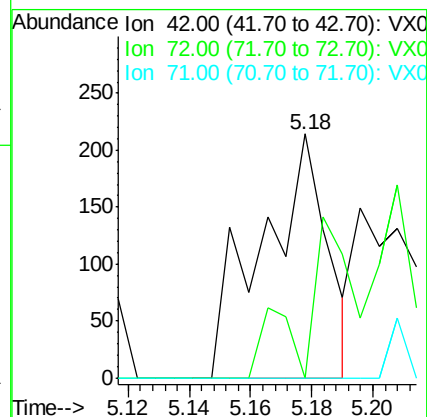
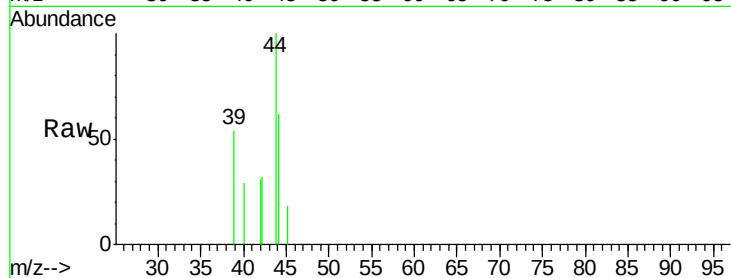
Tgt Ion: 42 Resp: 318

Ion Ratio Lower Upper

42 100

72 48.1 37.9 56.9

71 0.0 34.4 51.6#



#31

Cyclohexane

Concen: 1.39 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

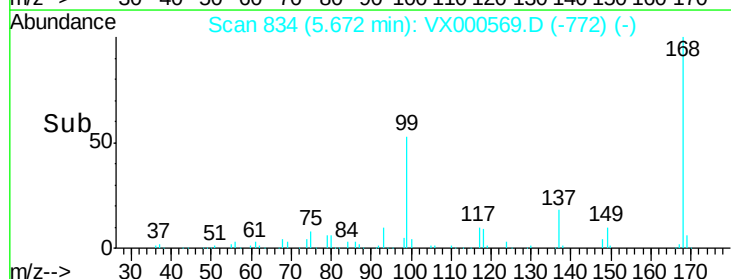
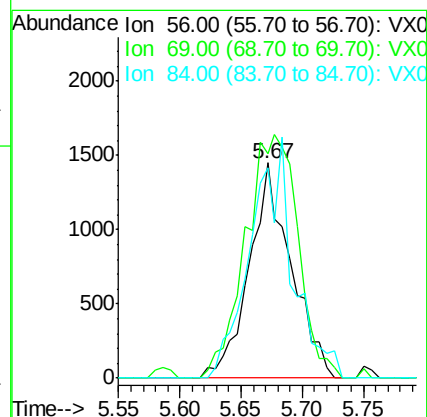
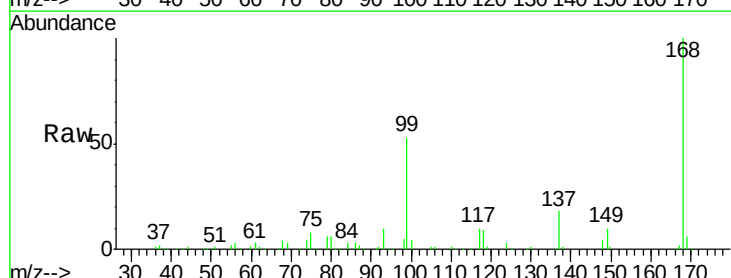
Tgt Ion: 56 Resp: 3444

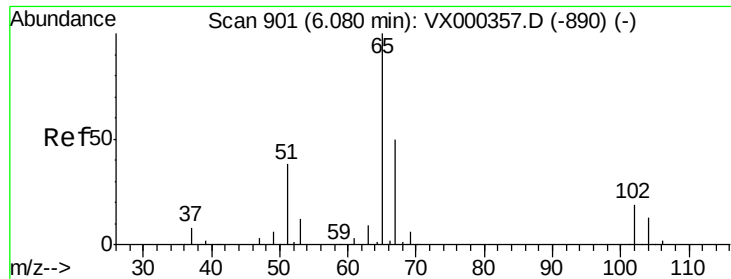
Ion Ratio Lower Upper

56 100

69 104.5 23.4 35.0#

84 97.8 71.0 106.4

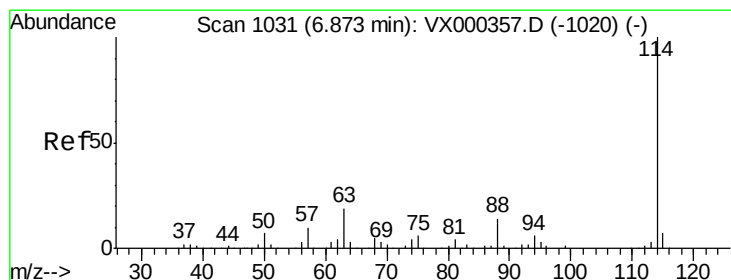
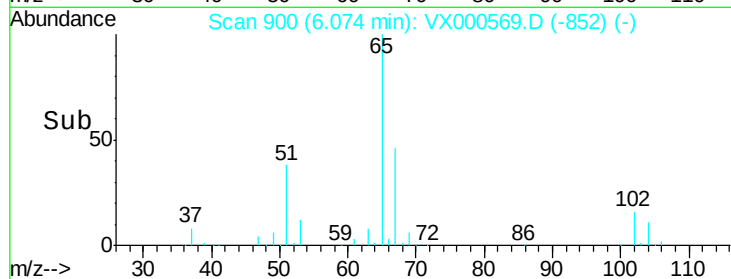
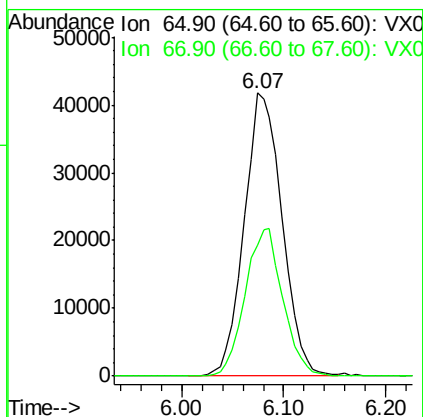
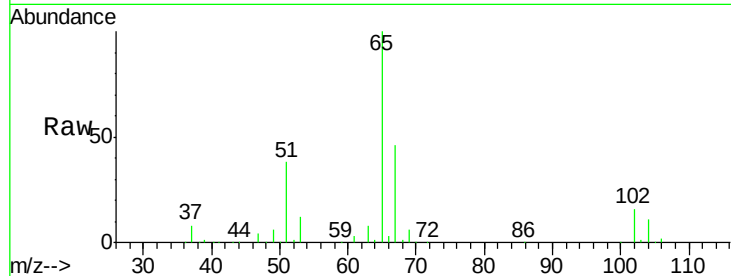




#33
 1,2-Dichloroethane-d4
 Concen: 54.84 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000569.D
 Acq: 30 Mar 2018 19:14

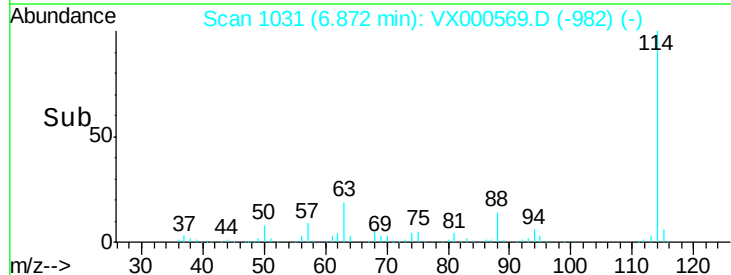
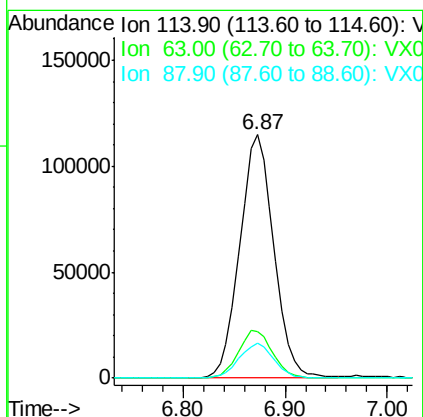
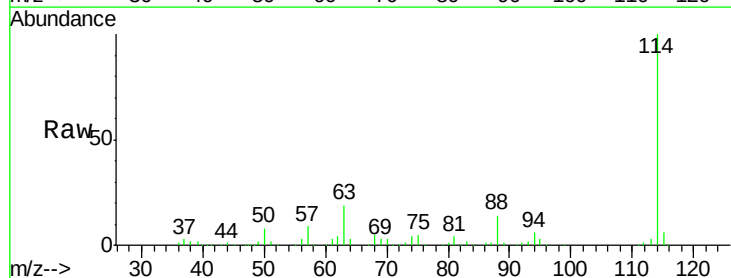
Instrument :
 MSVOA_X
 ClientSampleId :
 4534-37

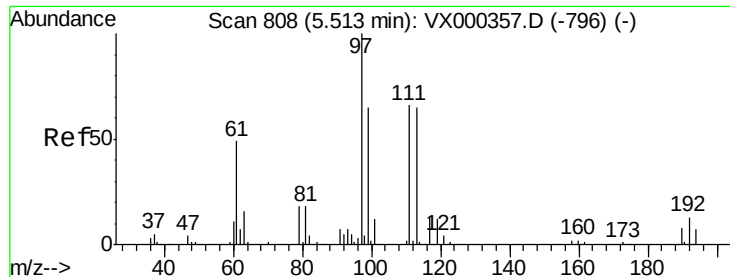
Tgt Ion: 65 Resp: 107973
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000569.D
 Acq: 30 Mar 2018 19:14

Tgt Ion: 114 Resp: 266915
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 14.1 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.02 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

4534-37

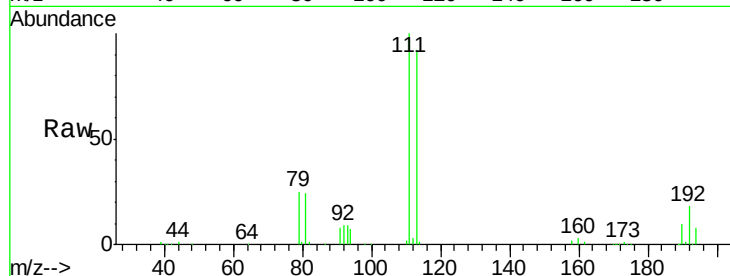
Tgt Ion:113 Resp: 82434

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

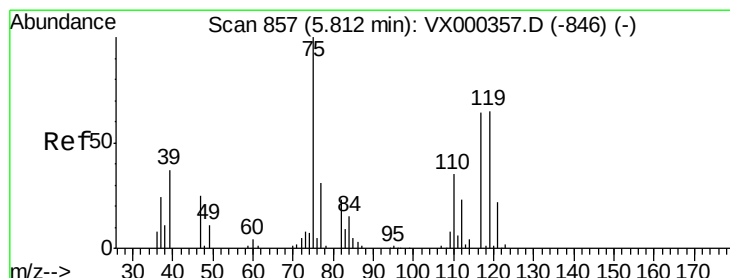
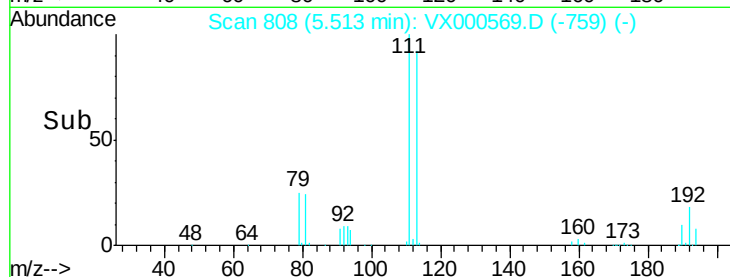
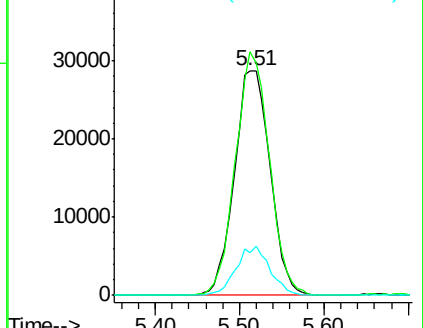
192 20.5 15.8 23.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.61 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

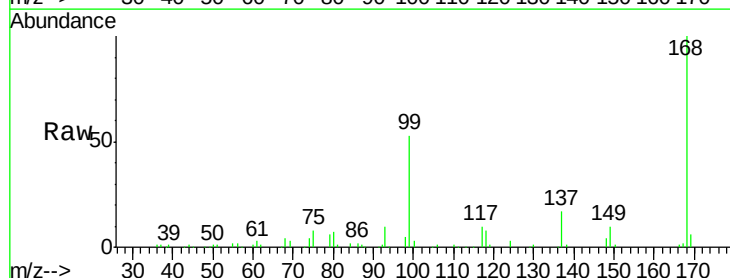
Tgt Ion: 75 Resp: 11514

Ion Ratio Lower Upper

75 100

110 12.8 17.9 53.7#

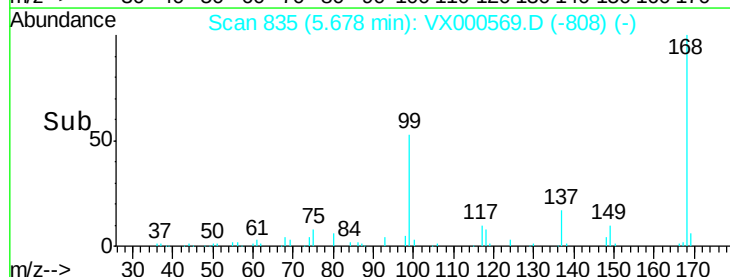
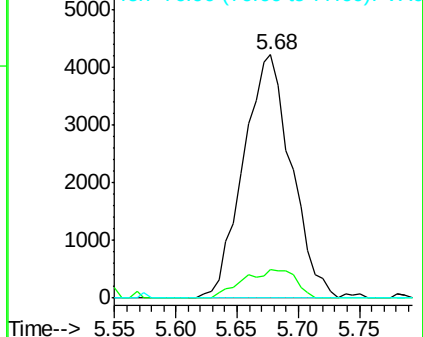
77 0.0 24.0 36.0#

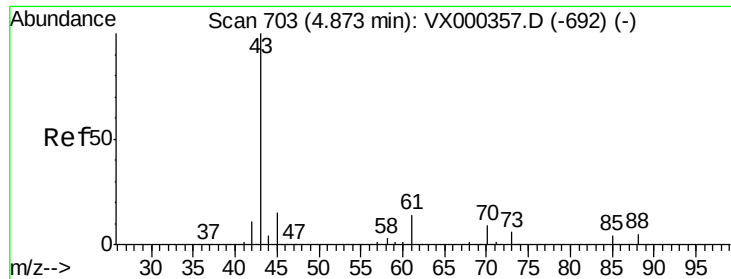


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.21 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

Instrument :

MSVOA_X

ClientSampled :

4534-37

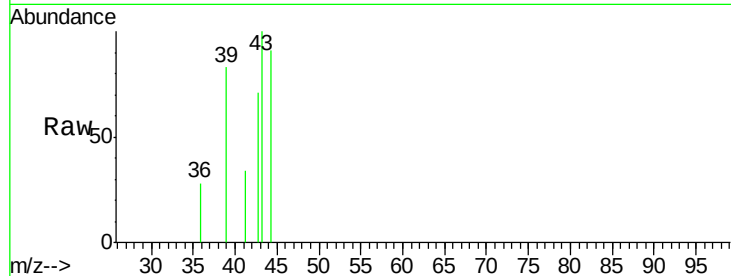
Tgt Ion: 43 Resp: 714

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

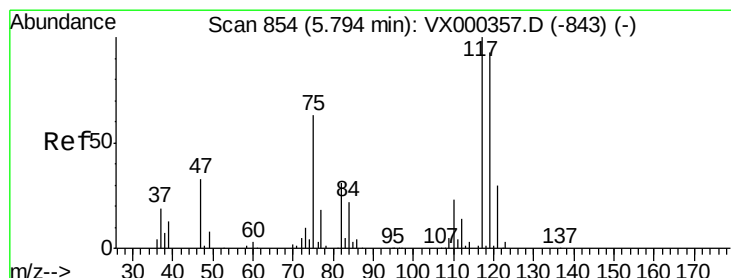
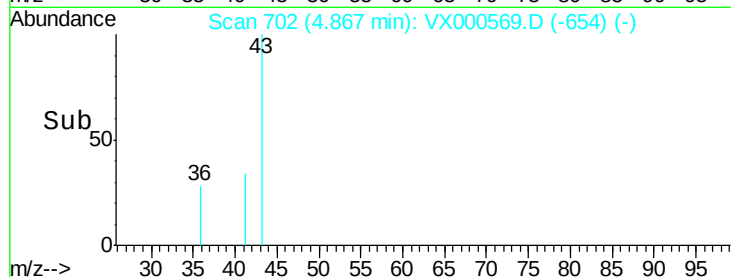
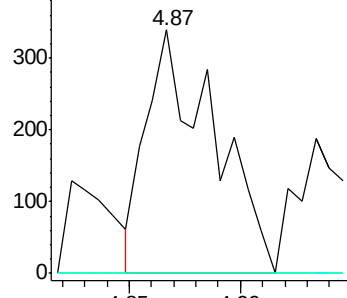
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.81 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

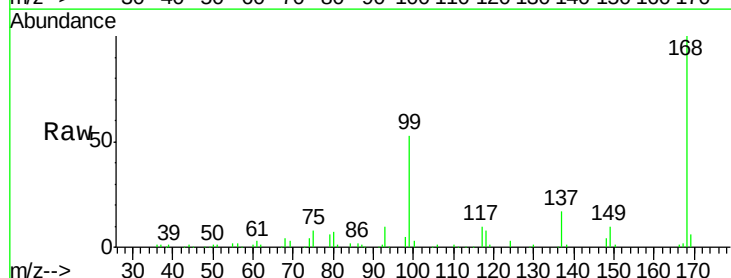
Tgt Ion: 117 Resp: 15247

Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.2#

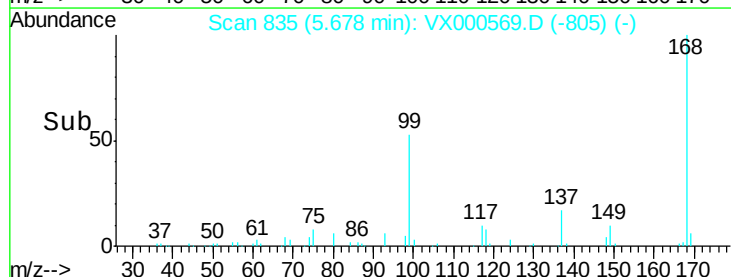
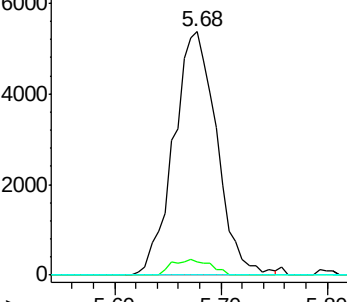
121 0.0 24.8 37.2#

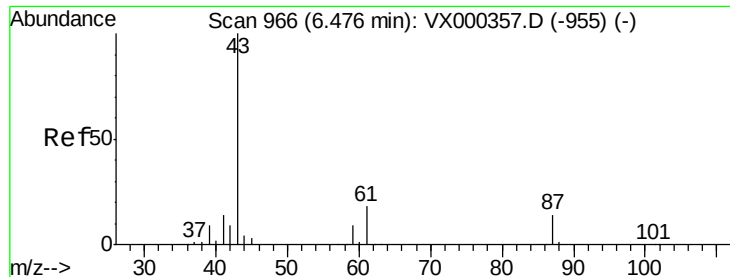


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.34 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

Instrument :

MSVOA_X

ClientSampled :

4534-37

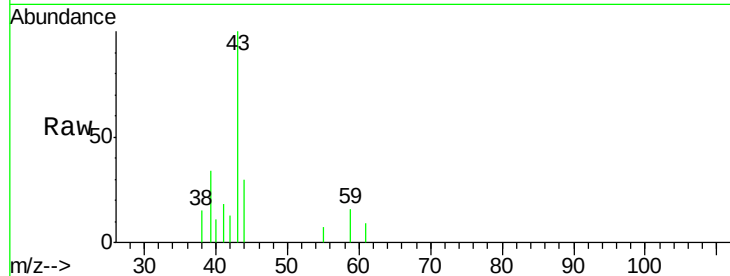
Tgt Ion: 43 Resp: 1712

Ion Ratio Lower Upper

43 100

61 5.4 14.4 21.6#

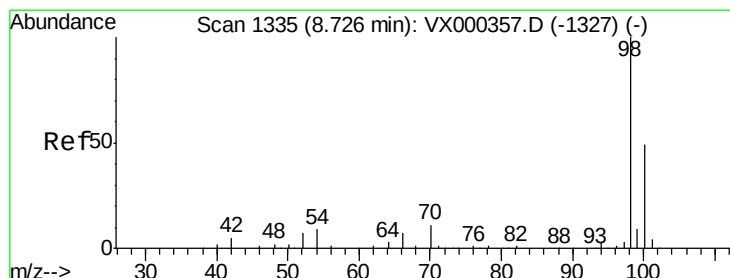
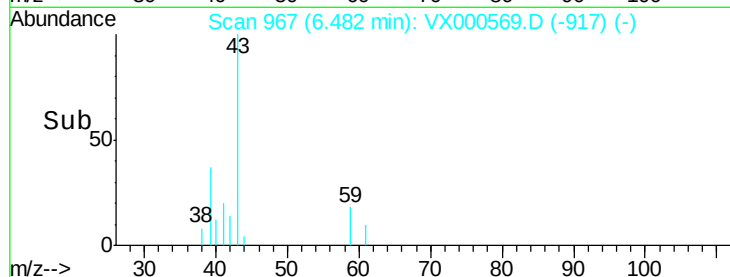
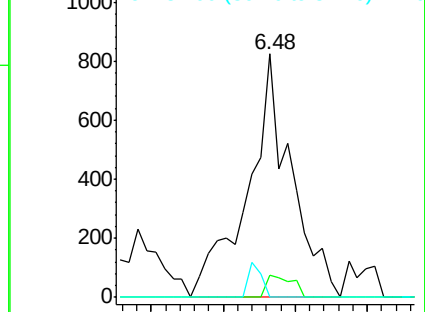
87 4.3 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.85 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000569.D

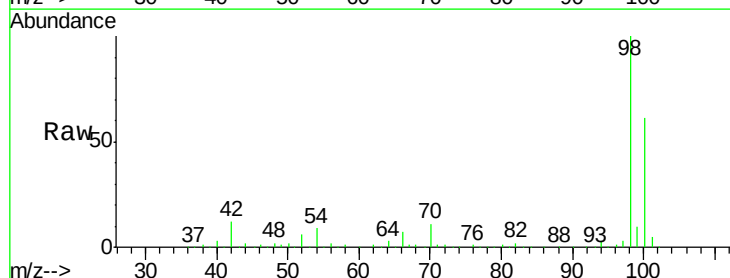
Acq: 30 Mar 2018 19:14

Tgt Ion: 98 Resp: 340289

Ion Ratio Lower Upper

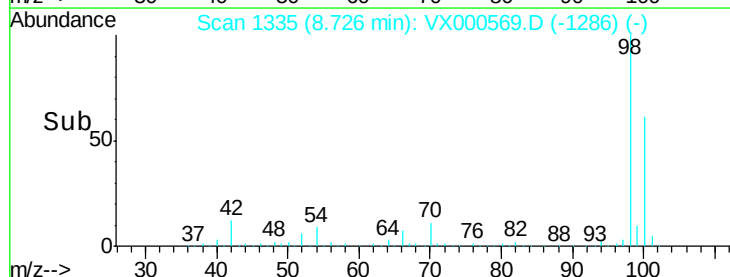
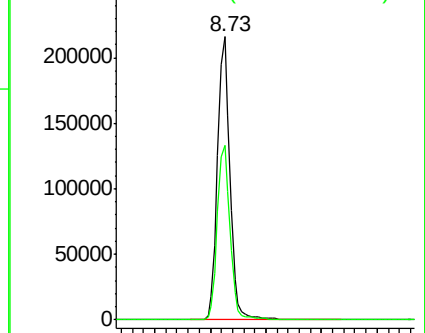
98 100

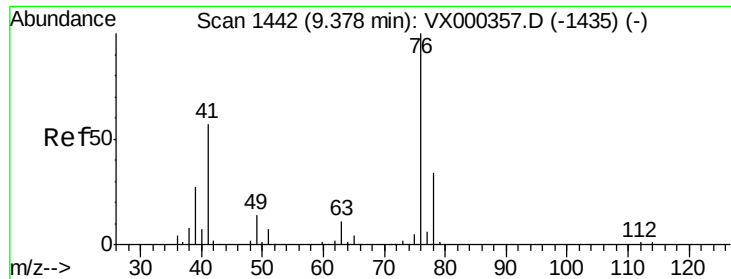
100 62.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

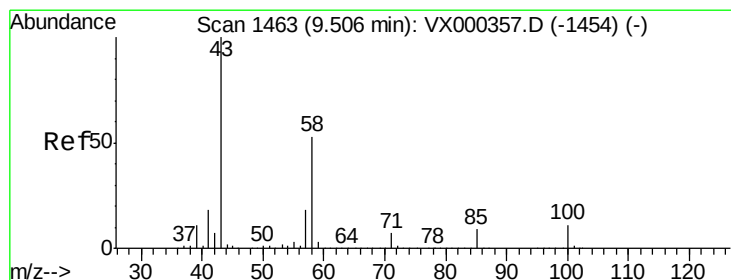
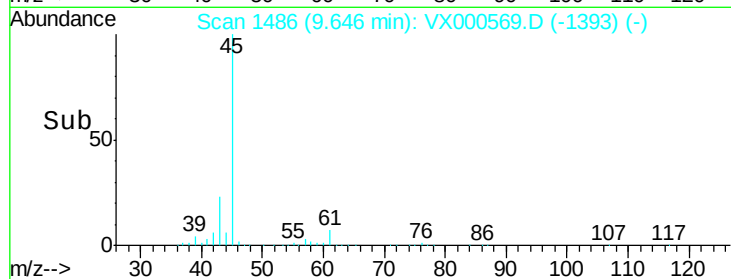
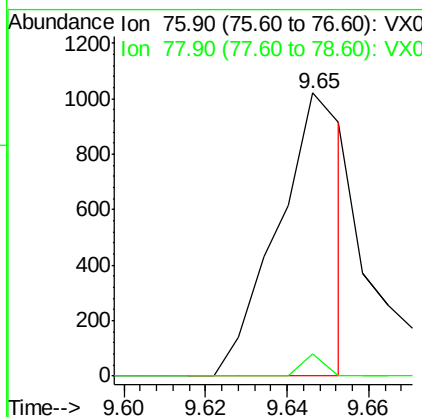
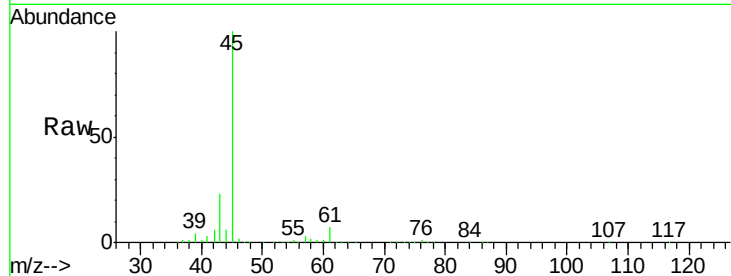




#57
 1,3-Dichloropropane
 Concen: 0.34 ug/l
 RT: 9.65 min Scan# 1486
 Delta R.T. 0.27 min
 Lab File: VX000569.D
 Acq: 30 Mar 2018 19:14

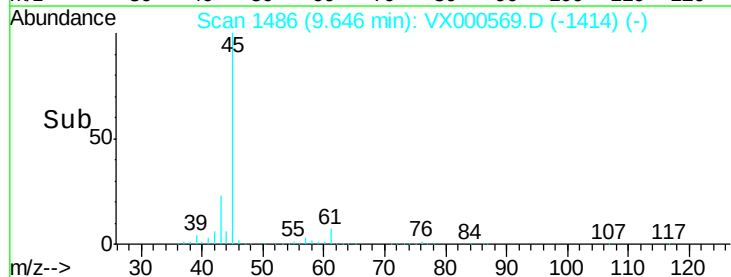
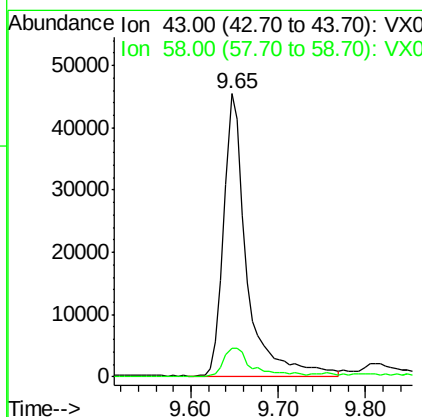
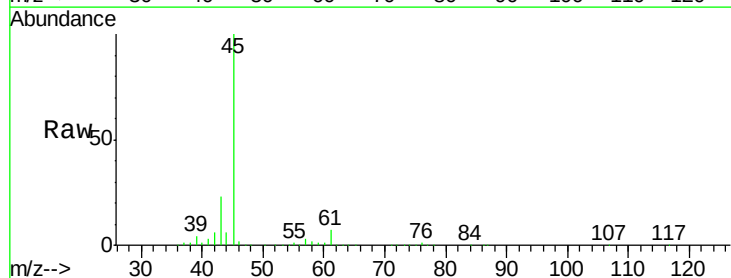
Instrument :
 MSVOA_X
 ClientSampleId :
 4534-37

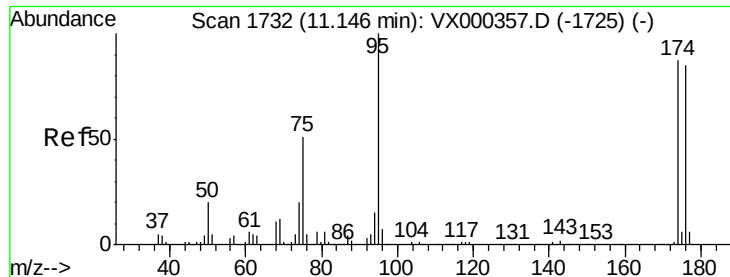
Tgt Ion: 76 Resp: 1144
 Ion Ratio Lower Upper
 76 100
 78 2.5 26.4 39.6#



#59
 2-Hexanone
 Concen: 24.62 ug/l
 RT: 9.65 min Scan# 1486
 Delta R.T. 0.14 min
 Lab File: VX000569.D
 Acq: 30 Mar 2018 19:14

Tgt Ion: 43 Resp: 82268
 Ion Ratio Lower Upper
 43 100
 58 13.4 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 44.50 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

Instrument :

MSVOA_X

ClientSampled :

4534-37

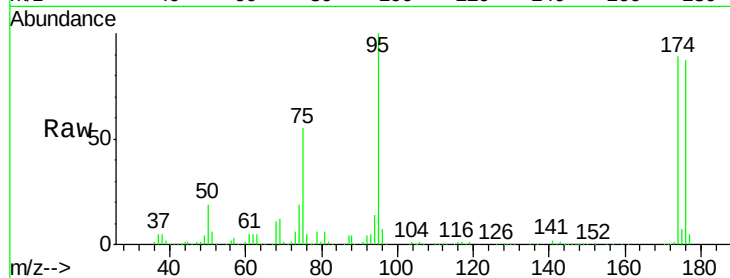
Tgt Ion: 95 Resp: 128718

Ion Ratio Lower Upper

95 100

174 87.3 0.0 173.6

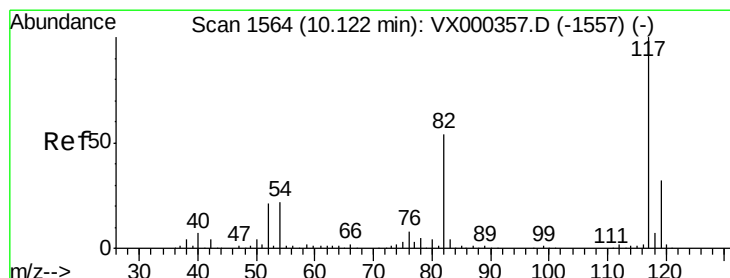
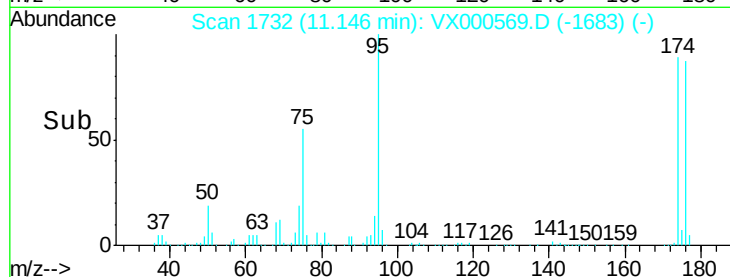
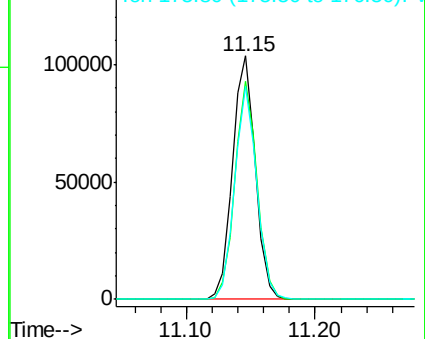
176 85.0 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000357.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000357.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000357.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

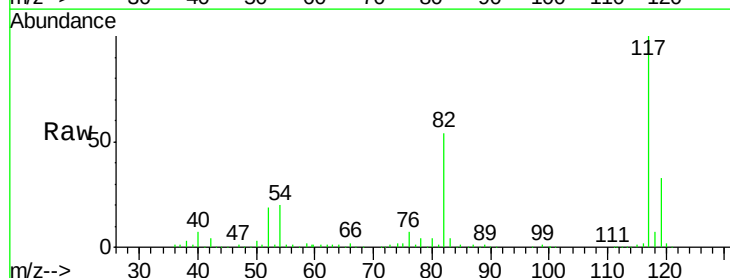
Tgt Ion: 117 Resp: 274781

Ion Ratio Lower Upper

117 100

82 53.8 43.8 65.8

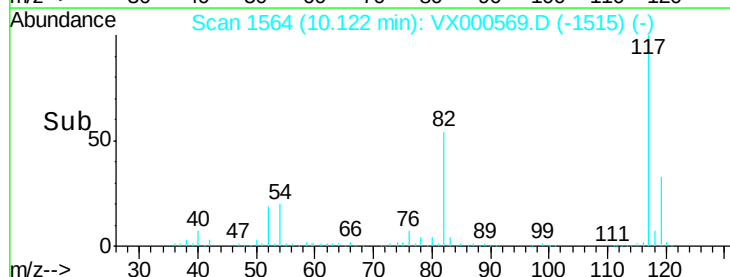
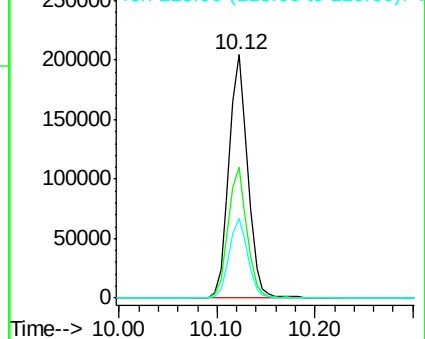
119 32.7 24.9 37.3

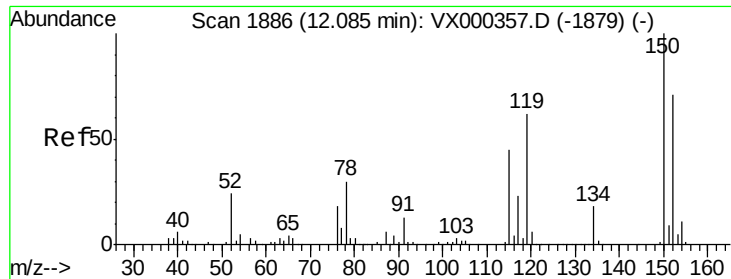


Abundance Ion 116.90 (116.60 to 117.60): VX000357.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000357.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000357.D (-1557) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

4534-37

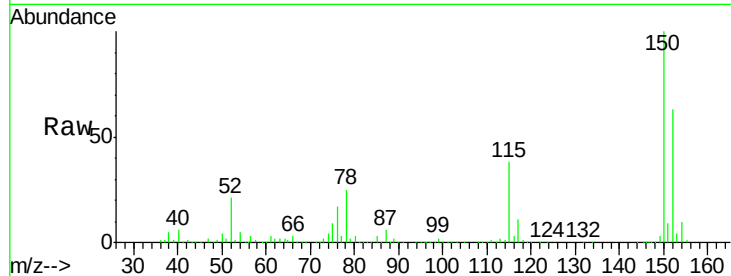
Tgt Ion:152 Resp: 144464

Ion Ratio Lower Upper

152 100

115 58.9 39.8 119.3

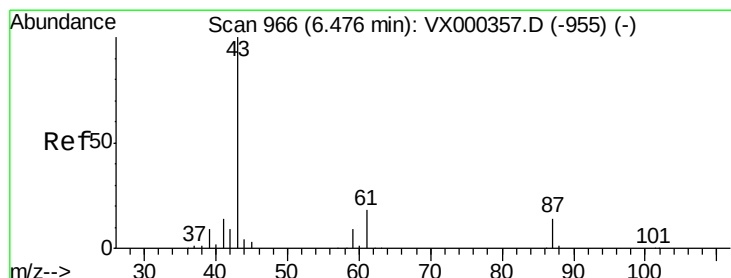
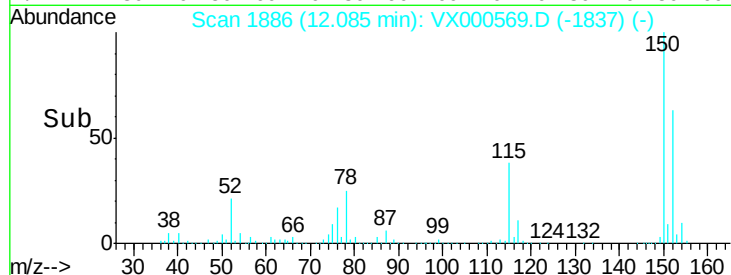
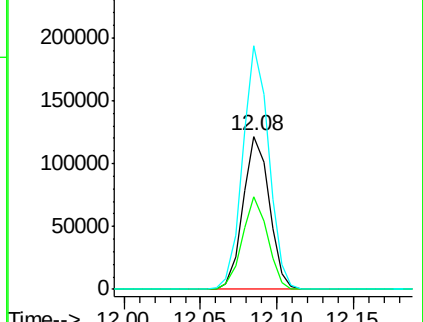
150 157.5 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

Tgt Ion: 43 Resp: 1712

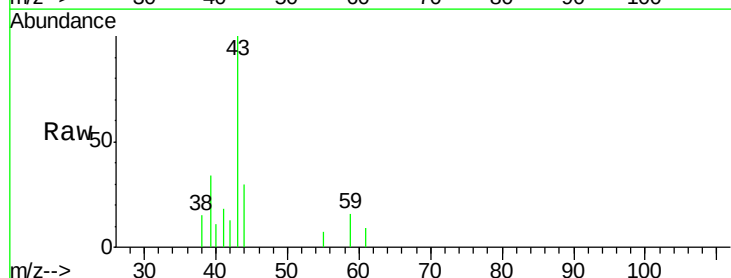
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 2.6 0.0 0.0#

61 5.4 14.4 21.6#

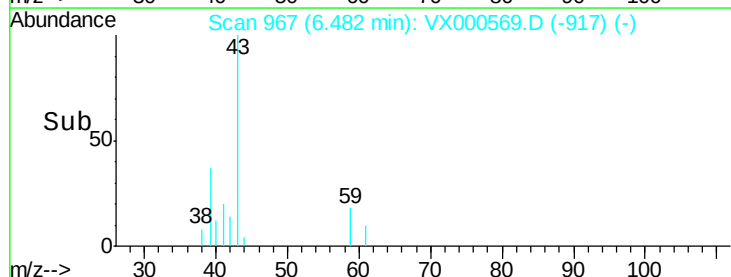
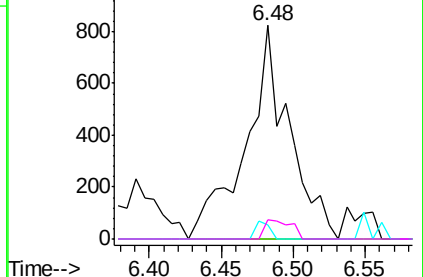


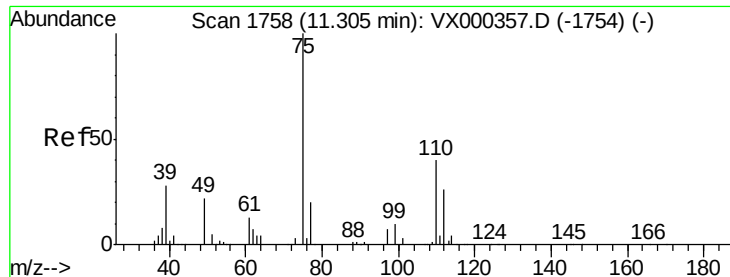
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.50 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

Instrument :

MSVOA_X

ClientSampleId :

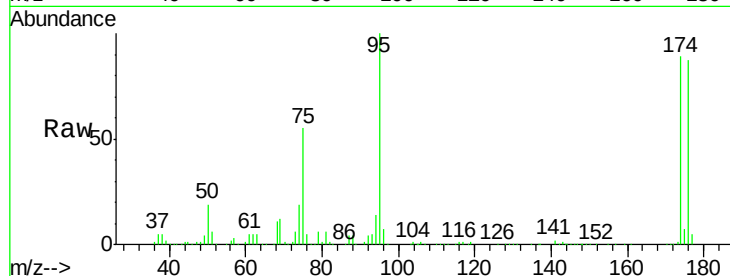
4534-37

Tgt Ion: 75 Resp: 69871

Ion Ratio Lower Upper

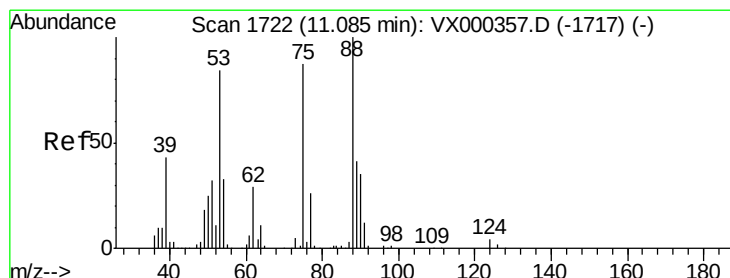
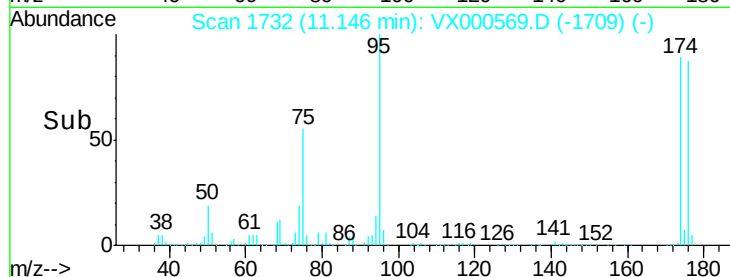
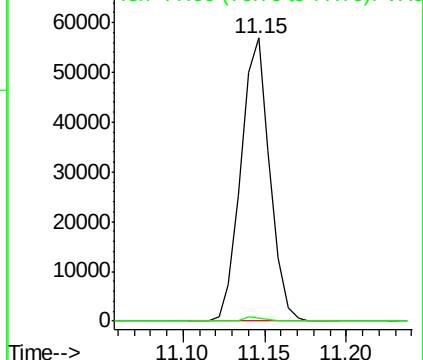
75 100

77 1.1 21.4 64.2#



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: 72.86 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000569.D

Acq: 30 Mar 2018 19:14

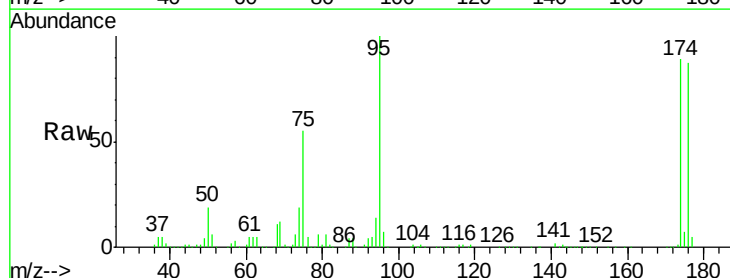
Tgt Ion: 75 Resp: 69871

Ion Ratio Lower Upper

75 100

53 0.1 80.7 121.1#

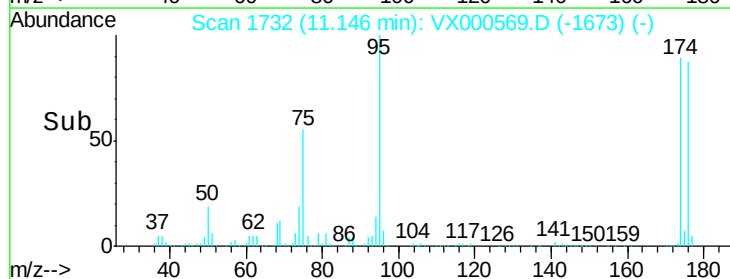
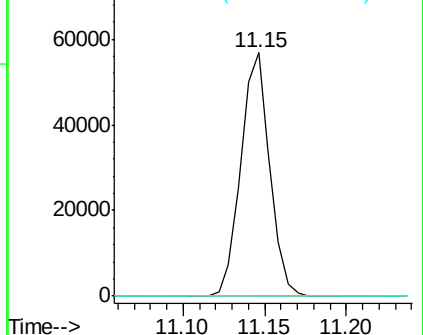
89 0.1 39.4 59.0#

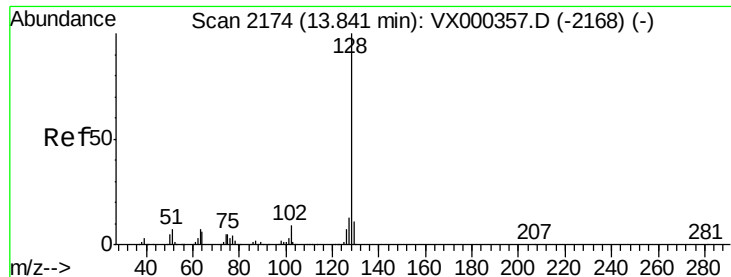


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

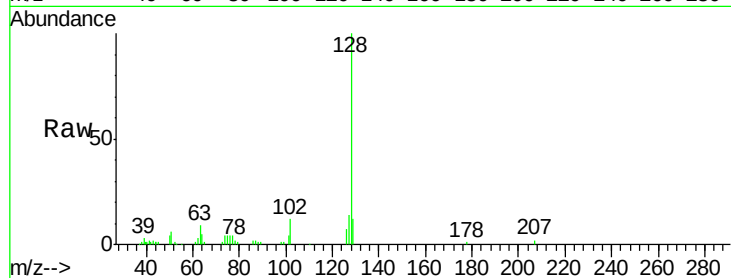




#95
Naphthalene
Concen: 1.46 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000569.D
Acq: 30 Mar 2018 19:14

Instrument :
MSVOA_X
ClientSampleId :
4534-37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.6	15.8
129	11.8	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

