

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX033018\
 Data File : VX000577.D
 Acq On : 30 Mar 2018 22:38
 Operator : JC/MD
 Sample : J2131-08 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RT1495

Quant Time: Mar 31 05:05:48 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	128626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	222897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	224002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	121011	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	91271	54.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.72%	
35) Dibromofluoromethane	5.51	113	70386	50.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.24%	
50) Toluene-d8	8.73	98	284519	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.15	95	101298	42.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.60%	

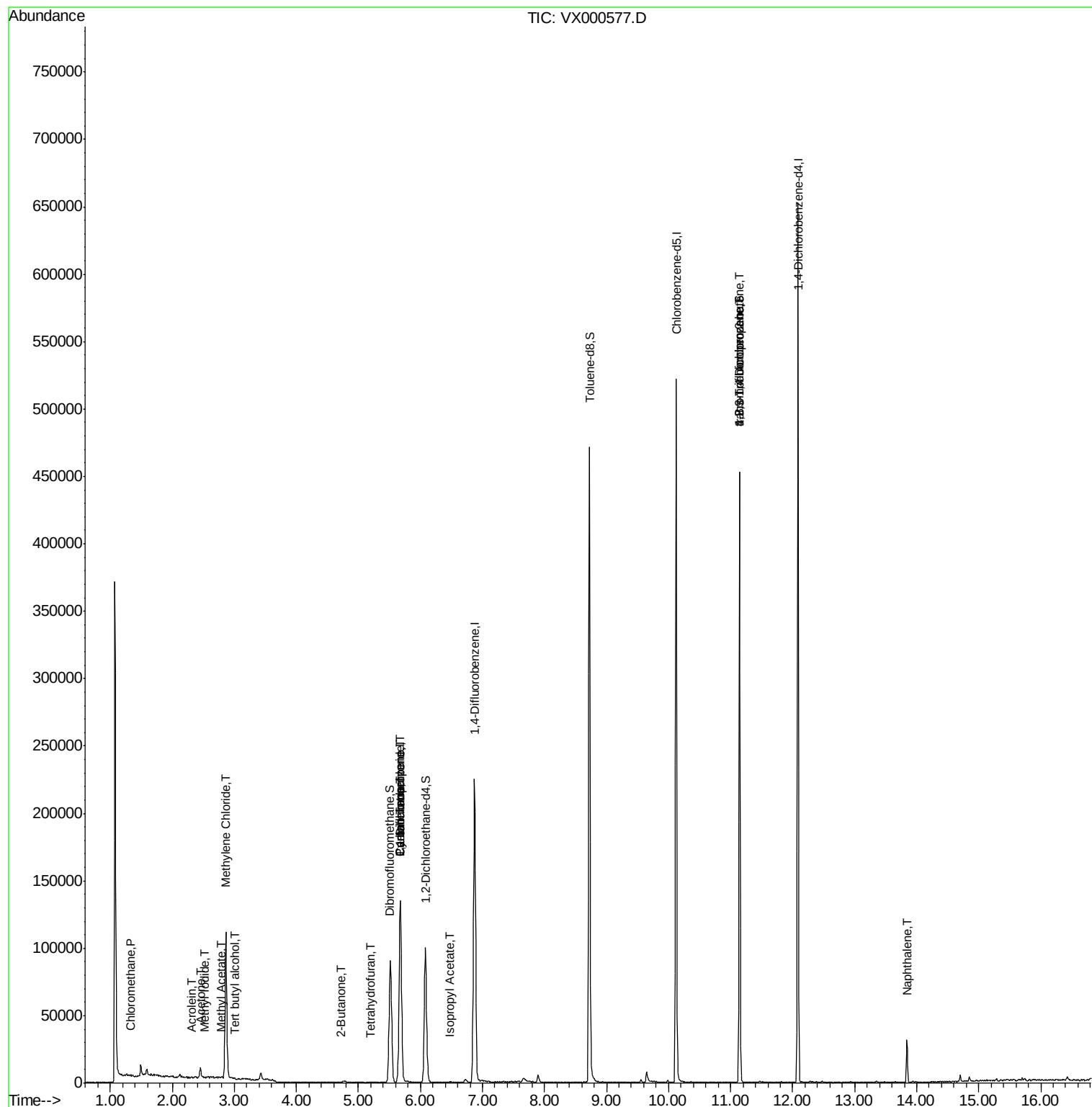
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	491	0.33	ug/l	95
6) Chloroethane	1.70	64	541	Below Cal	#	44
10) Methyl Iodide	2.52	142	214	4.40	ug/l	50
11) Tert butyl alcohol	3.02	59	121	0.21	ug/l	72
13) Acrolein	2.30	56	200	15.60	ug/l	85
14) Allyl chloride	2.72	41	96	Below Cal	#	1
16) Acetone	2.45	43	7266	5.20	ug/l	96
18) Methyl Acetate	2.78	43	615	0.21	ug/l	97
20) Methylene Chloride	2.86	84	49541	30.71	ug/l	96
25) 2-Butanone	4.71	43	583	0.37	ug/l	84
29) Tetrahydrofuran	5.19	42	208	0.22	ug/l	31
31) Cyclohexane	5.67	56	3087	1.46	ug/l	24
36) 1,1-Dichloropropene	5.67	75	9867	4.73	ug/l	53
38) Carbon Tetrachloride	5.67	117	12729	5.81	ug/l	14
43) Isopropyl Acetate	6.48	43	1194	0.28	ug/l	78
74) N-amyl acetate	6.48	43	1194	Below Cal	#	72
76) 1,2,3-Trichloropropane	11.15	75	57647	22.17	ug/l	35
81) trans-1,4-Dichloro-2-buten	11.15	75	57647	71.76	ug/l	9
95) Naphthalene	13.84	128	18153	1.84	ug/l	99

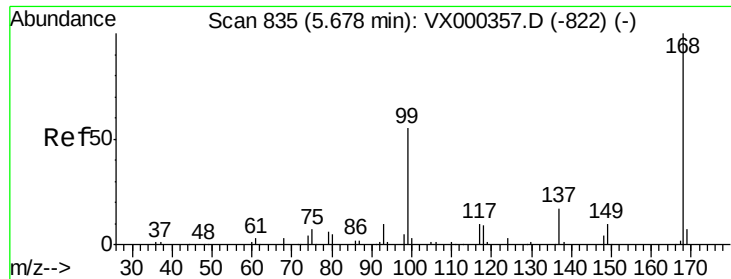
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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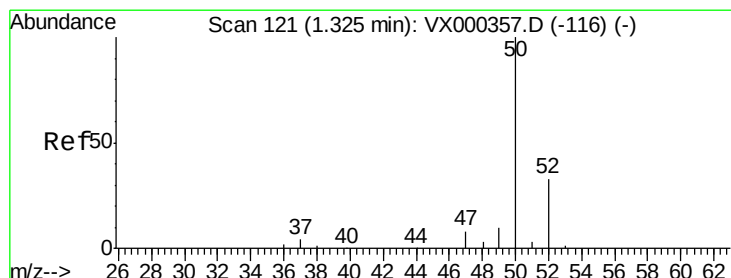
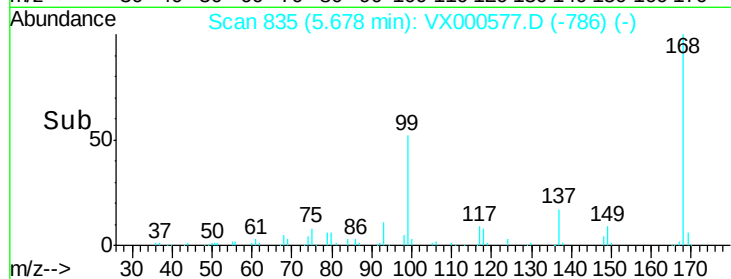
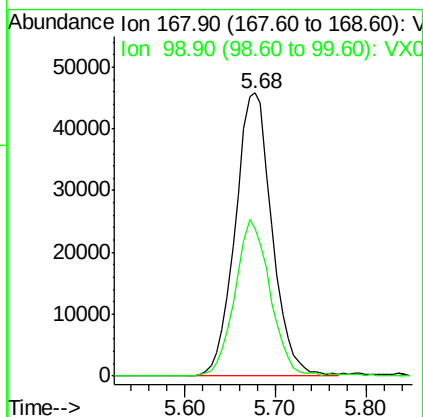
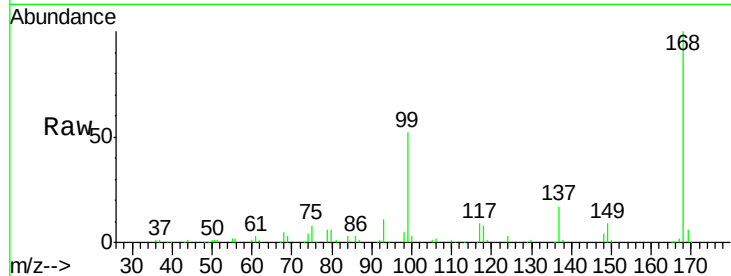




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.00 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

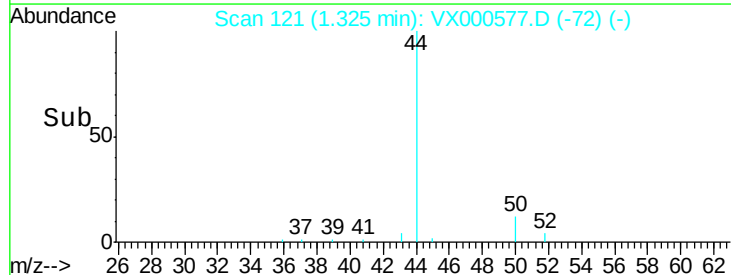
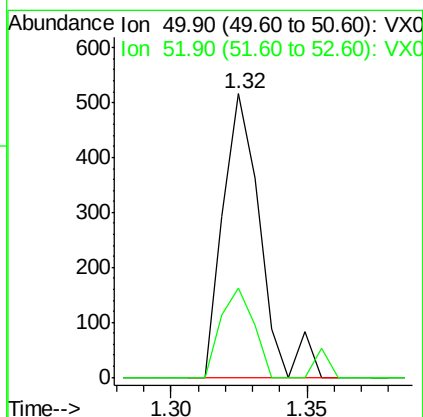
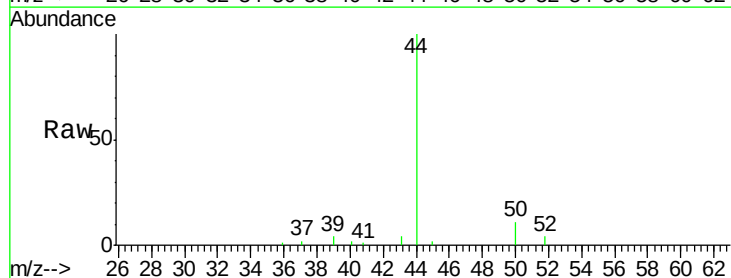
Instrument :
MSVOA_X
ClientSampleId :
RT1495

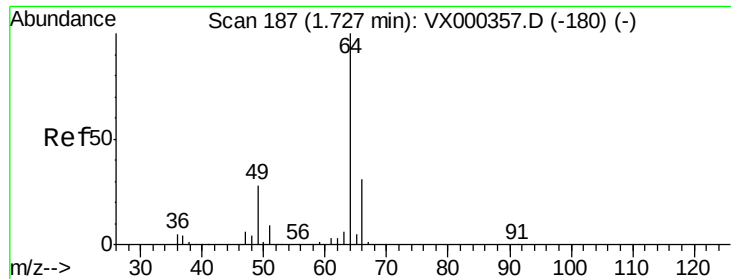
Tgt Ion: 168 Resp: 128626
Ion Ratio Lower Upper
168 100
99 52.0 45.8 68.6



#3
Chloromethane
Concen: 0.33 ug/l
RT: 1.32 min Scan# 121
Delta R.T. -0.00 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

Tgt Ion: 50 Resp: 491
Ion Ratio Lower Upper
50 100
52 31.6 27.5 41.3





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

Instrument :

MSVOA_X

ClientSampleId :

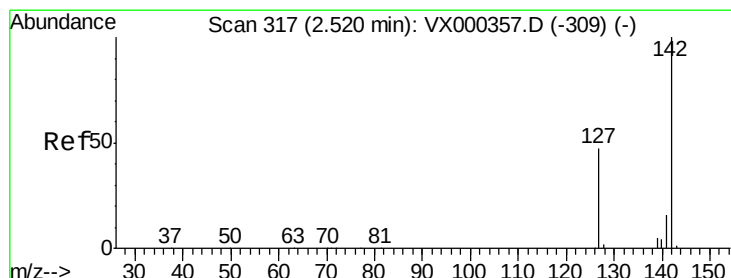
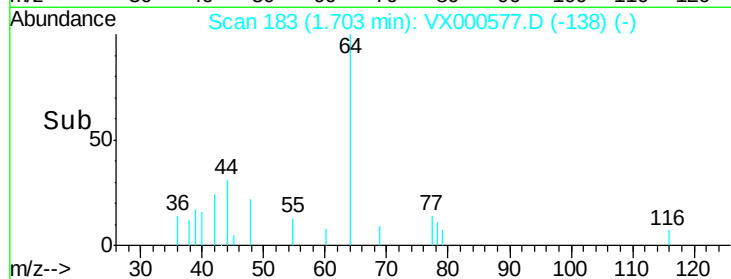
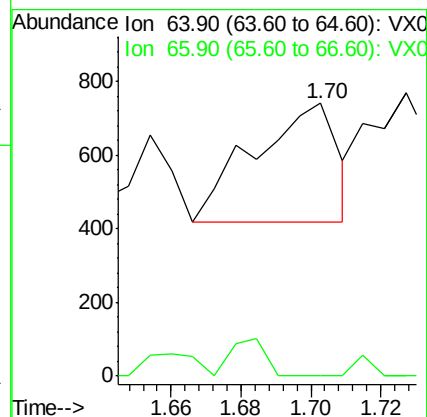
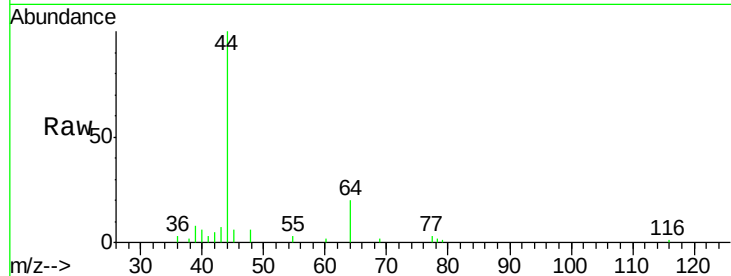
RT1495

Tgt Ion: 64 Resp: 541

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#10

Methyl Iodide

Concen: 4.40 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

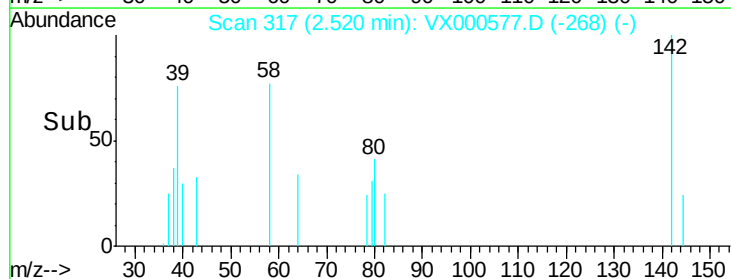
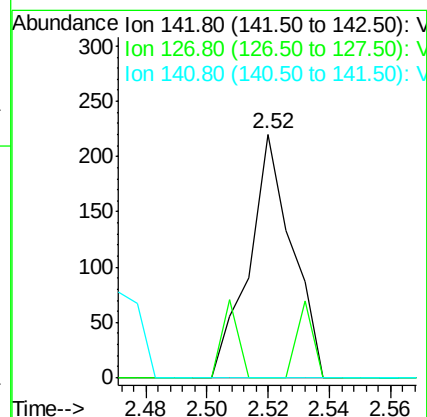
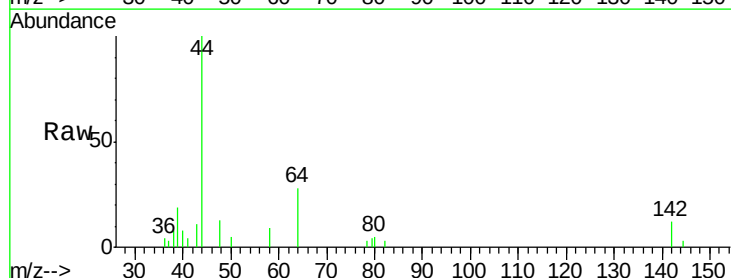
Tgt Ion: 142 Resp: 214

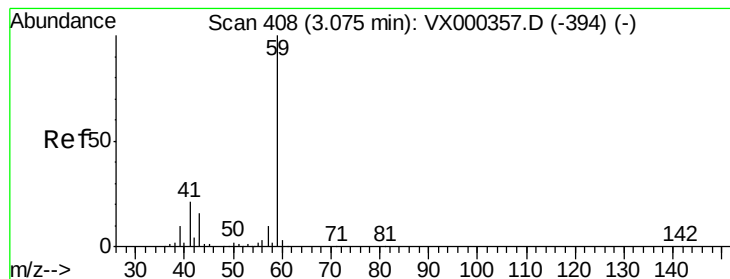
Ion Ratio Lower Upper

142 100

127 12.1 39.2 58.8#

141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 0.21 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.05 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

Instrument :

MSVOA_X

ClientSampled :

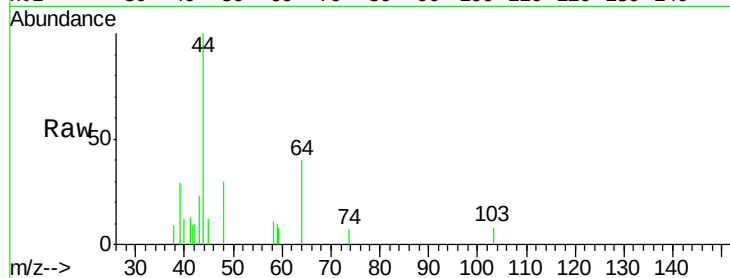
RT1495

Tgt Ion: 59 Resp: 121

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

150

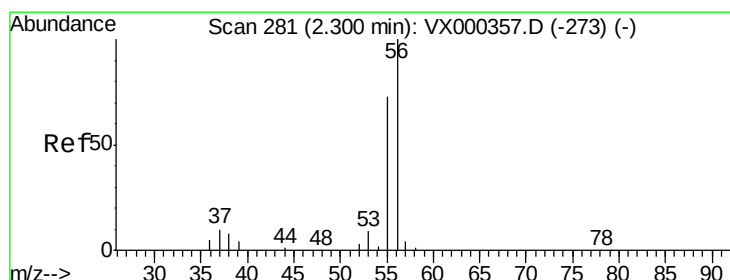
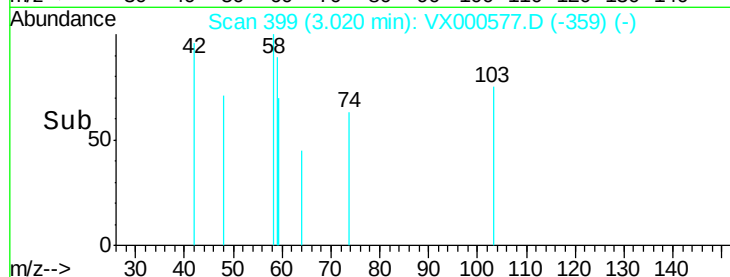
100

50

0

3.00 3.02 3.04

Time-->



#13

Acrolein

Concen: 15.60 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000577.D

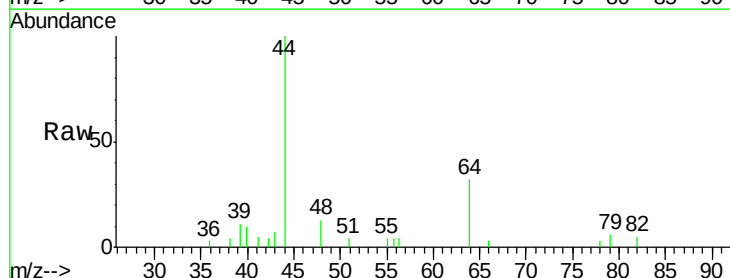
Acq: 30 Mar 2018 22:38

Tgt Ion: 56 Resp: 200

Ion Ratio Lower Upper

56 100

55 86.0 58.8 88.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

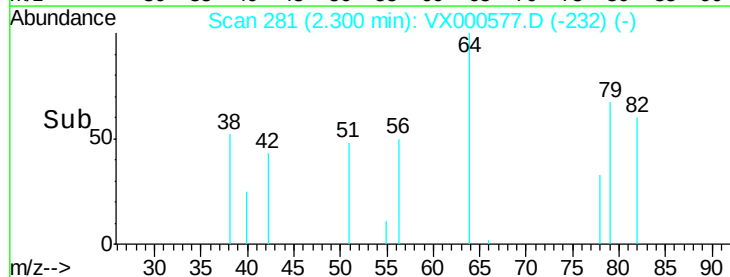
100

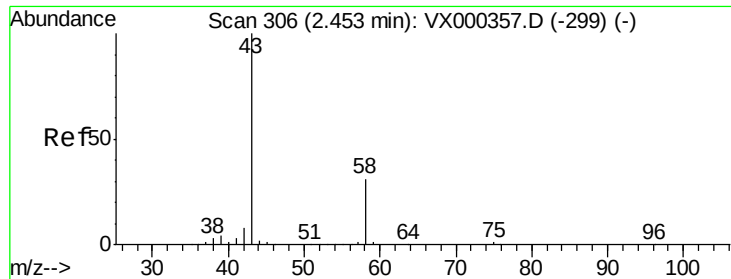
50

0

2.26 2.28 2.30 2.32 2.34

Time-->





#16

Acetone

Concen: 5.20 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

Instrument :

MSVOA_X

ClientSampleId :

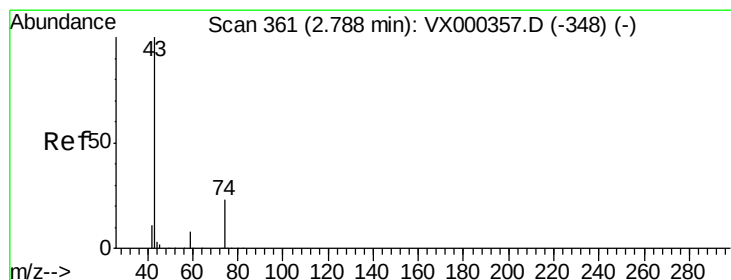
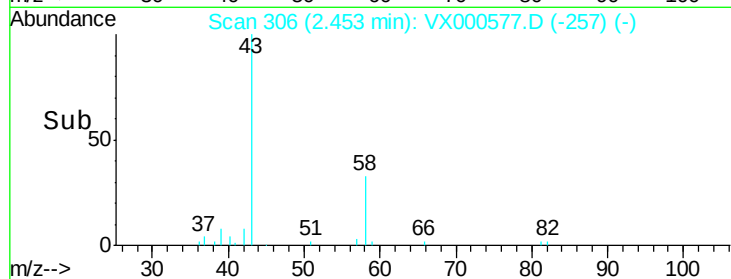
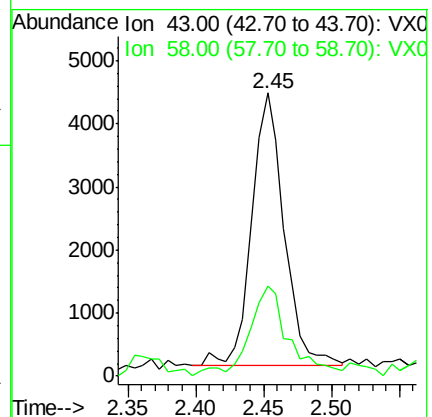
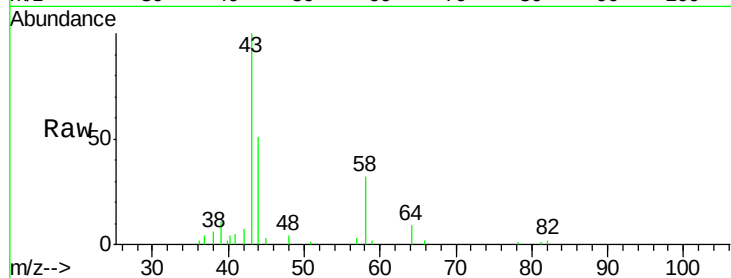
RT1495

Tgt Ion: 43 Resp: 7266

Ion Ratio Lower Upper

43 100

58 33.0 24.7 37.1



#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000577.D

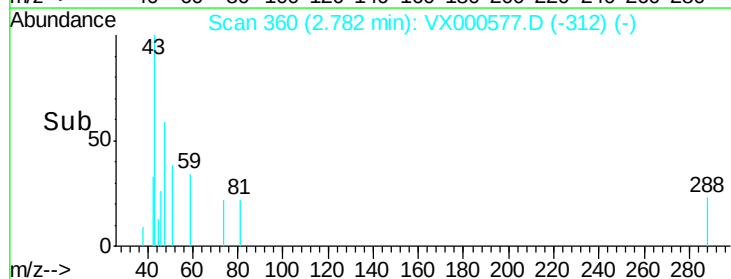
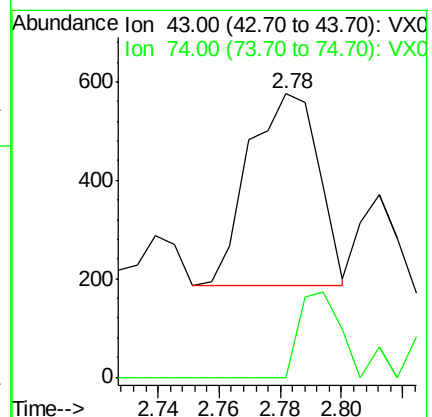
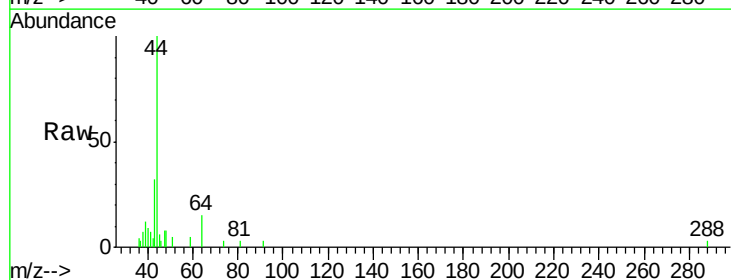
Acq: 30 Mar 2018 22:38

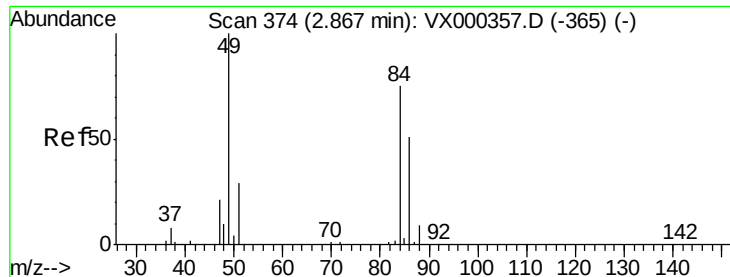
Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

43 100

74 25.9 19.4 29.2

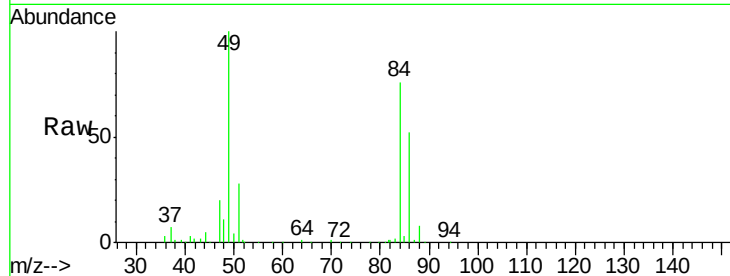




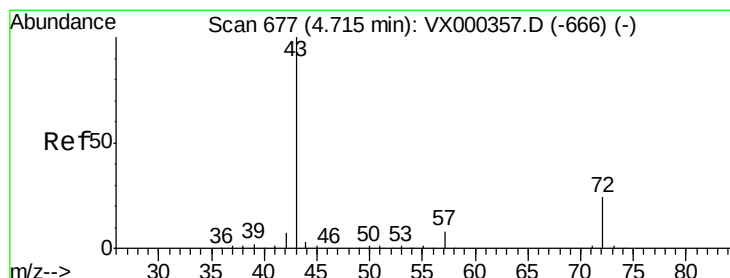
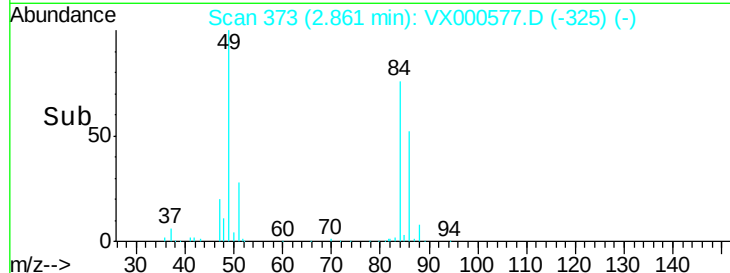
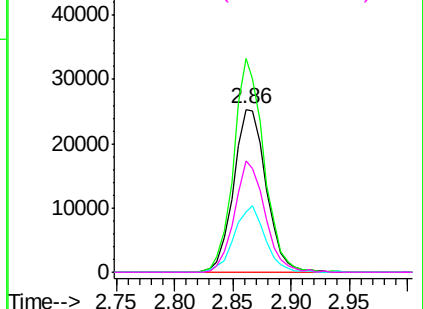
#20
Methylene Chloride
Concen: 30.71 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

Instrument :
MSVOA_X
ClientSampled :
RT1495

Tgt Ion: 84 Resp: 49541
Ion Ratio Lower Upper
84 100
49 131.2 100.6 151.0
51 36.7 31.6 47.4
86 68.3 52.6 78.8

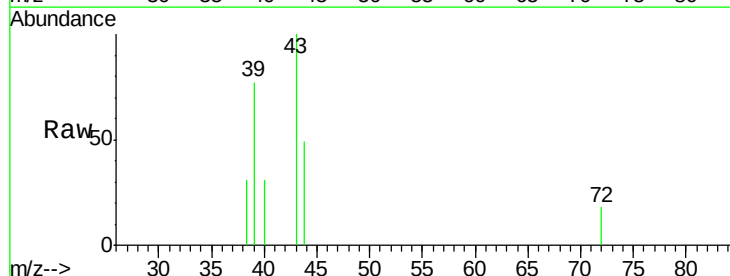


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

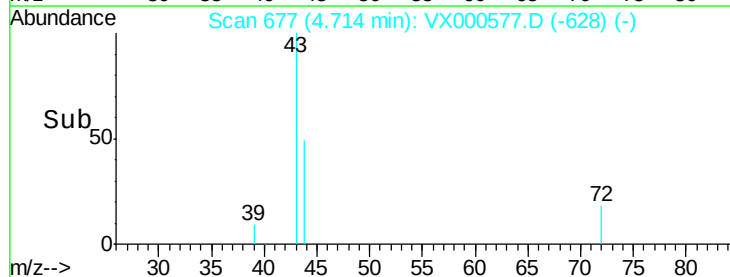
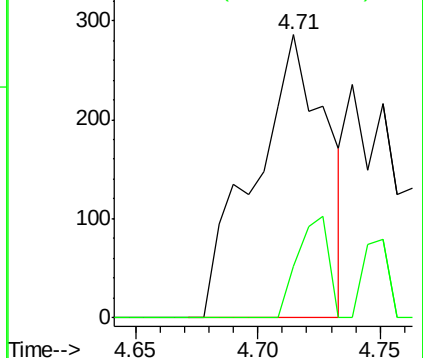


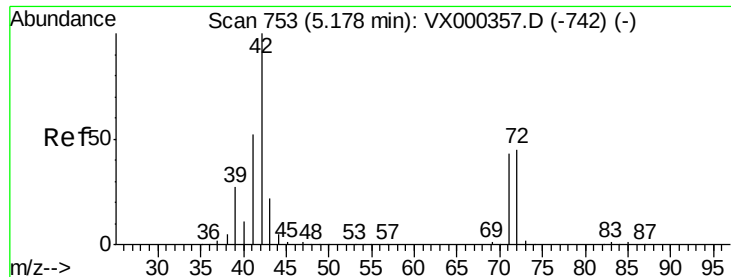
#25
2-Butanone
Concen: 0.37 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
72 18.2 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

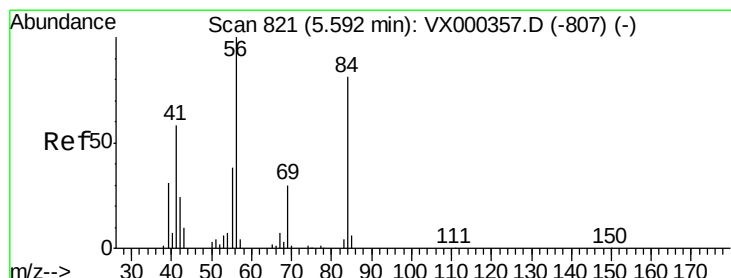
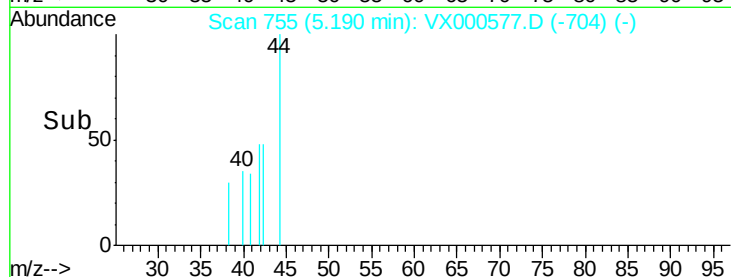
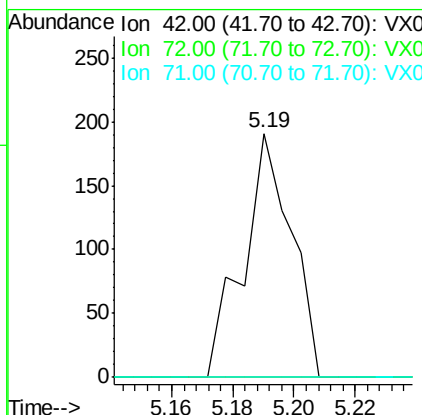
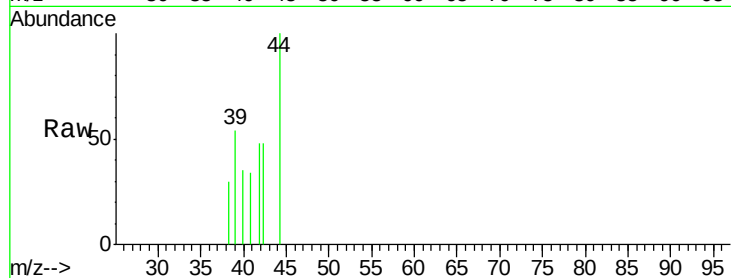




#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

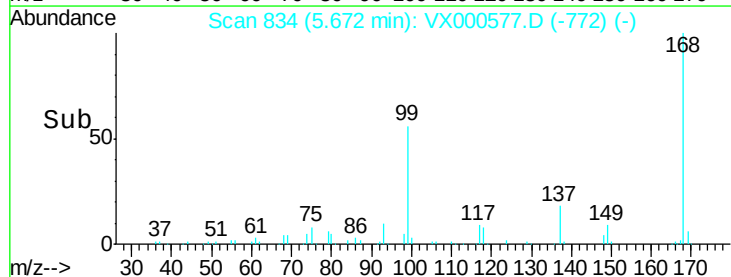
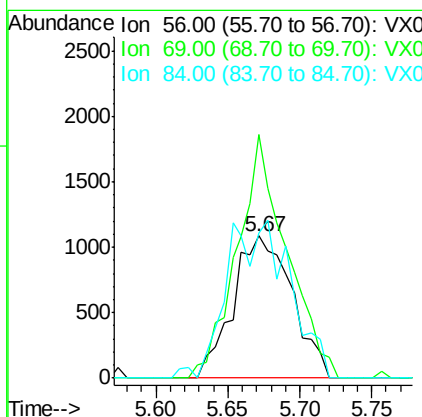
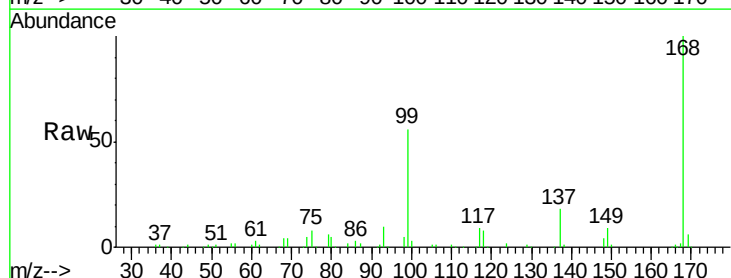
Instrument :
MSVOA_X
ClientSampleId :
RT1495

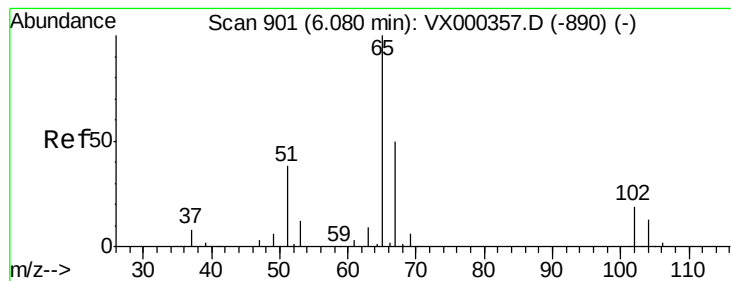
Tgt Ion: 42 Resp: 208
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 0.0 34.4 51.6#



#31
Cyclohexane
Concen: 1.46 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

Tgt Ion: 56 Resp: 3087
Ion Ratio Lower Upper
56 100
69 171.1 23.4 35.0#
84 101.7 71.0 106.4





#33

1,2-Dichloroethane-d4

Concen: 54.36 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

Instrument :

MSVOA_X

ClientSampleId :

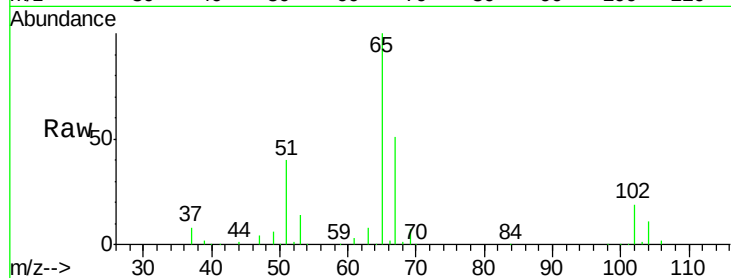
RT1495

Tgt Ion: 65 Resp: 91271

Ion Ratio Lower Upper

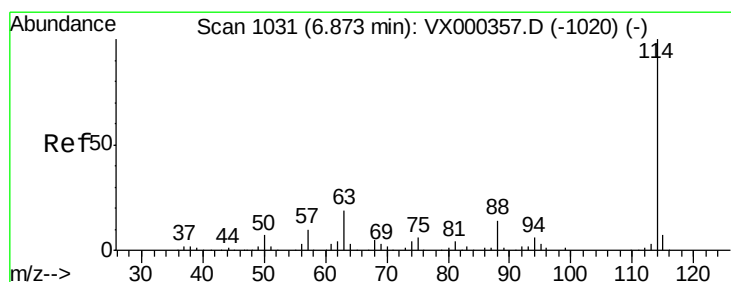
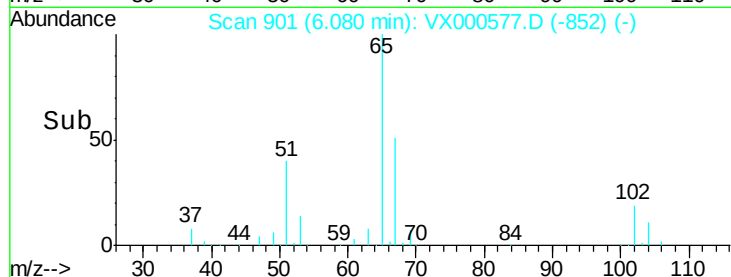
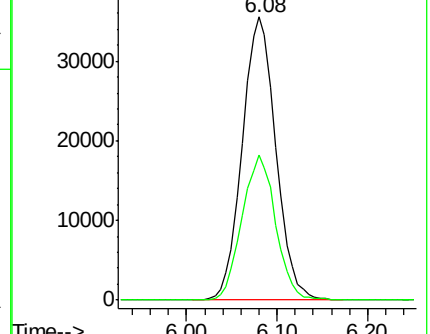
65 100

67 51.3 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

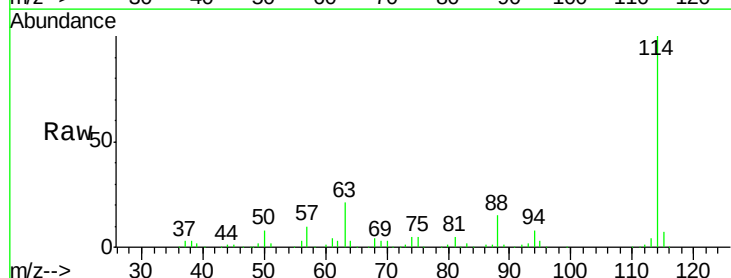
Tgt Ion: 114 Resp: 222897

Ion Ratio Lower Upper

114 100

63 21.4 0.0 38.4

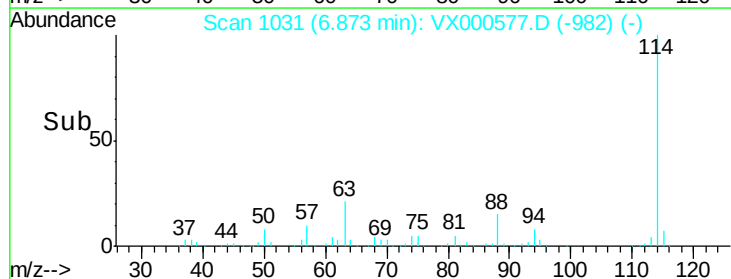
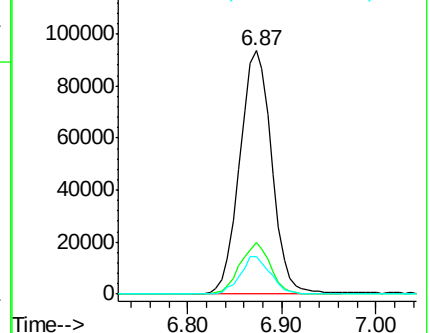
88 15.4 0.0 27.0

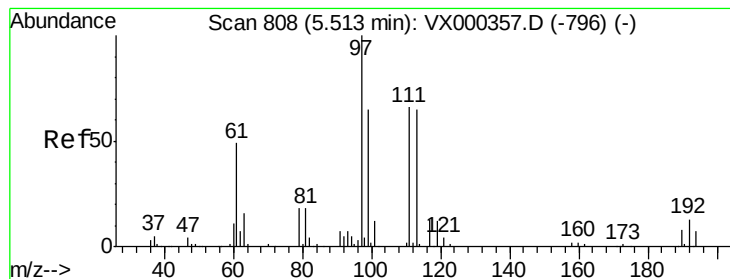


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.12 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

Instrument :

MSVOA_X

ClientSampleId :

RT1495

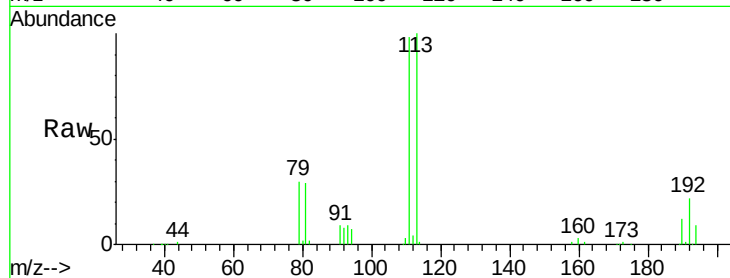
Tgt Ion:113 Resp: 70386

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

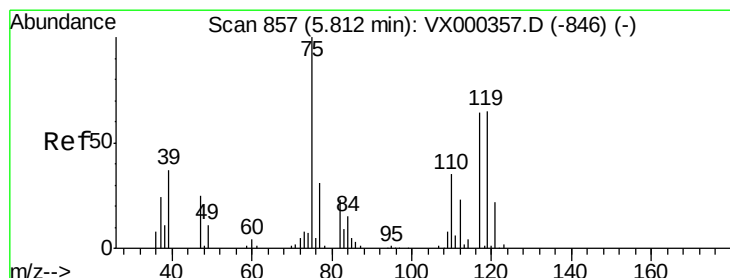
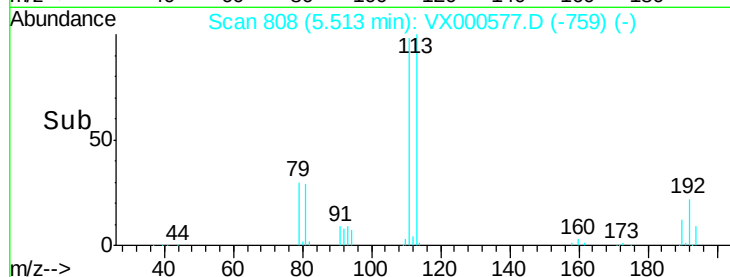
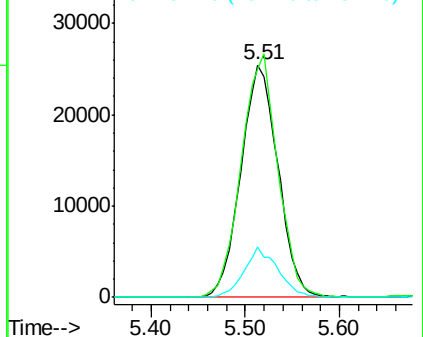
192 19.7 15.8 23.6



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: 4.73 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

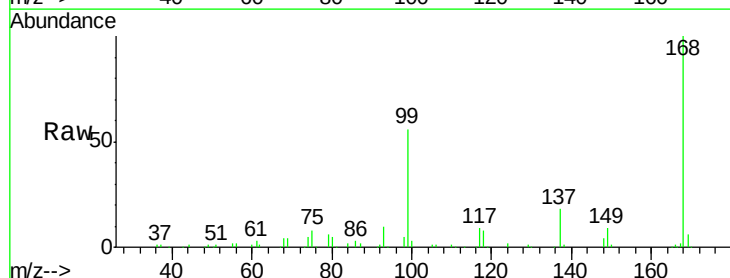
Tgt Ion: 75 Resp: 9867

Ion Ratio Lower Upper

75 100

110 12.0 17.9 53.7#

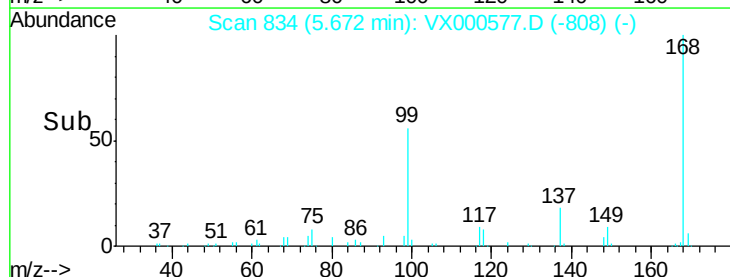
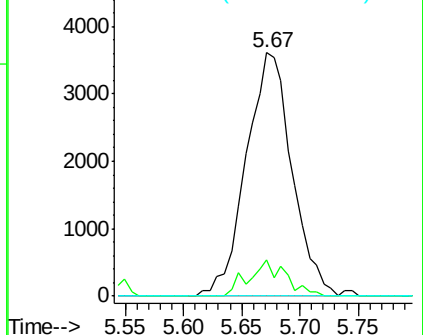
77 0.0 24.0 36.0#

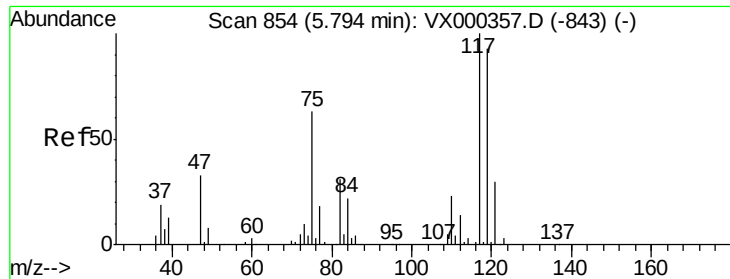


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.81 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

Instrument :

MSVOA_X

ClientSampleId :

RT1495

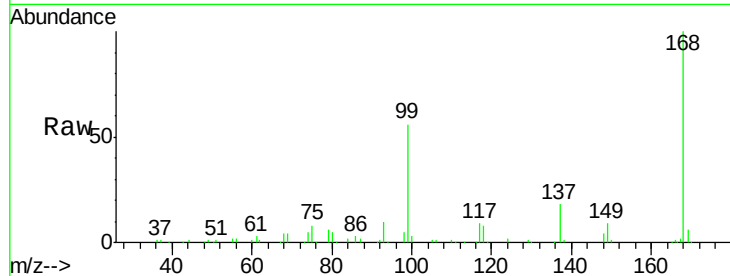
Tgt Ion: 117 Resp: 12729

Ion Ratio Lower Upper

117 100

119 3.0 77.4 116.2#

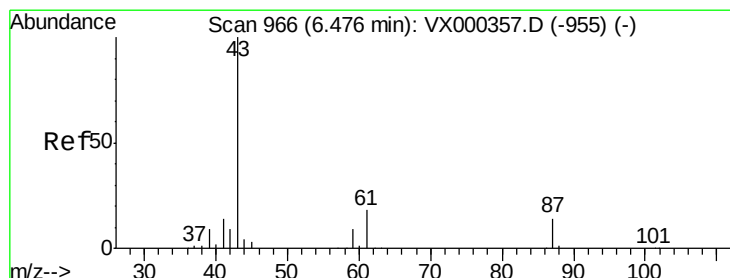
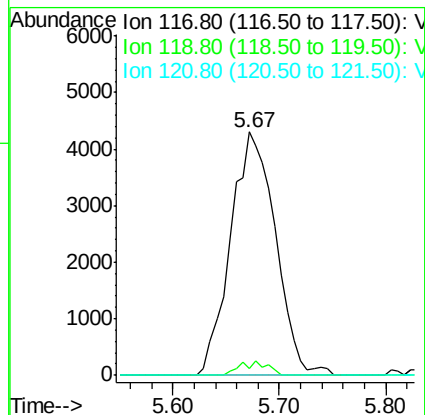
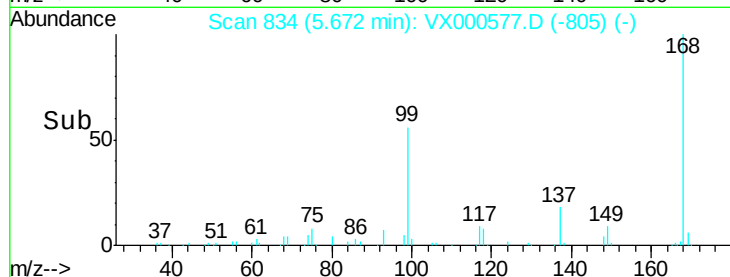
121 0.0 24.8 37.2#



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: 0.28 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

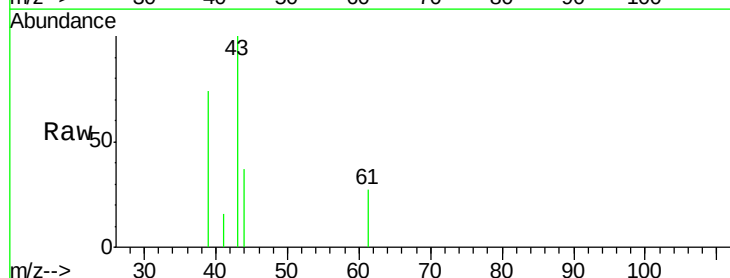
Tgt Ion: 43 Resp: 1194

Ion Ratio Lower Upper

43 100

61 5.8 14.4 21.6#

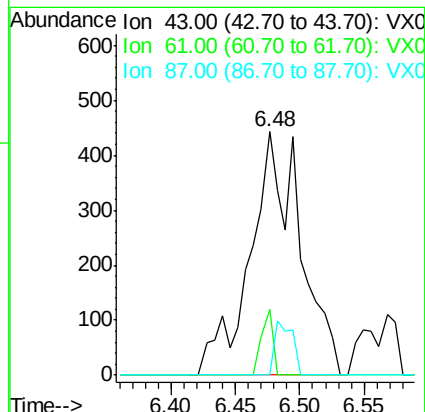
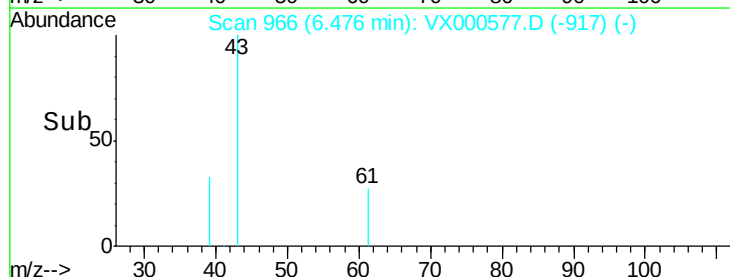
87 8.0 11.0 16.4#

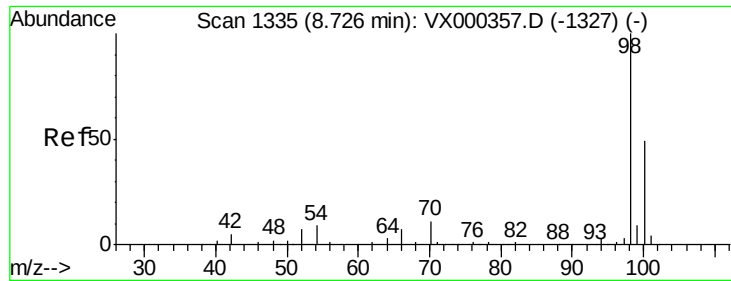


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

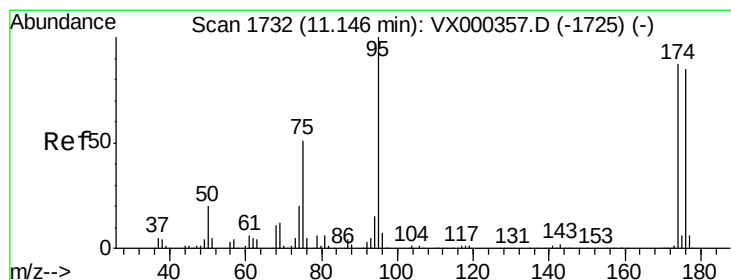
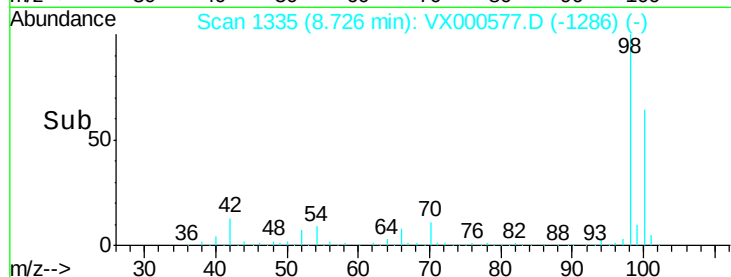
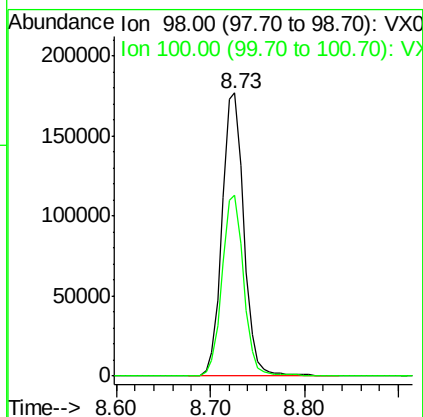
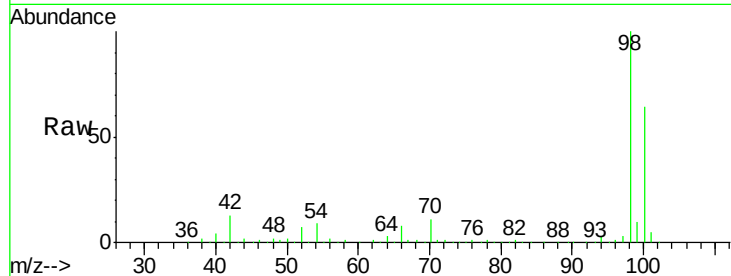




#50
Toluene-d8
Concen: 48.91 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

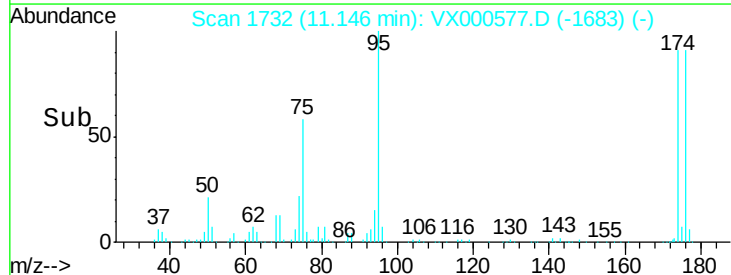
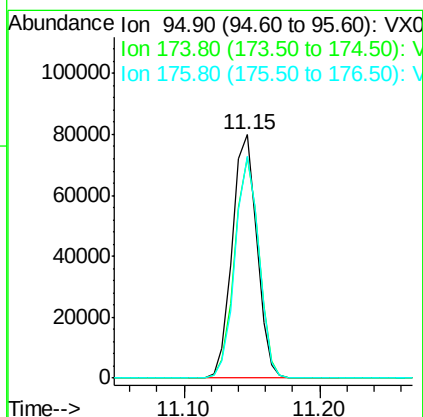
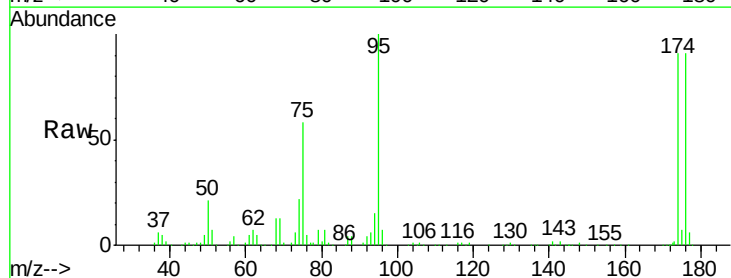
Instrument :
MSVOA_X
ClientSampleId :
RT1495

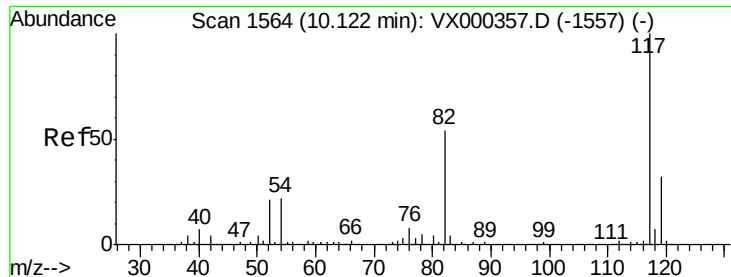
Tgt Ion: 98 Resp: 284519
Ion Ratio Lower Upper
98 100
100 62.8 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 42.30 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

Tgt Ion: 95 Resp: 101298
Ion Ratio Lower Upper
95 100
174 89.5 0.0 173.6
176 87.9 0.0 164.6

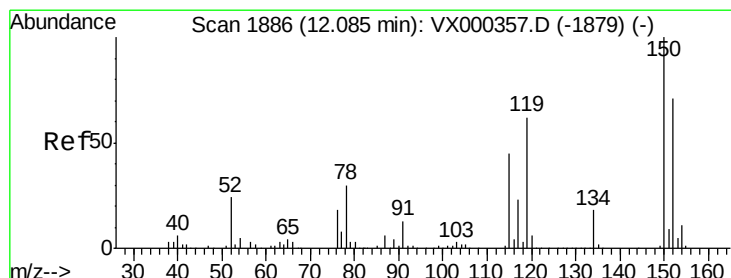
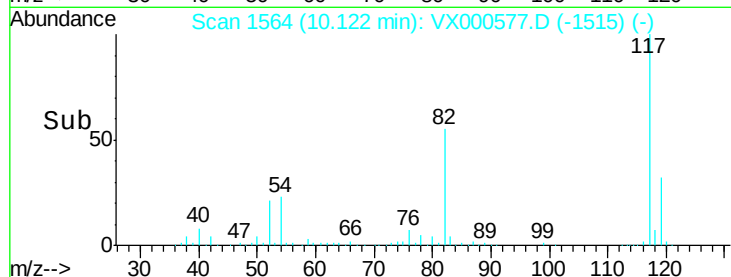
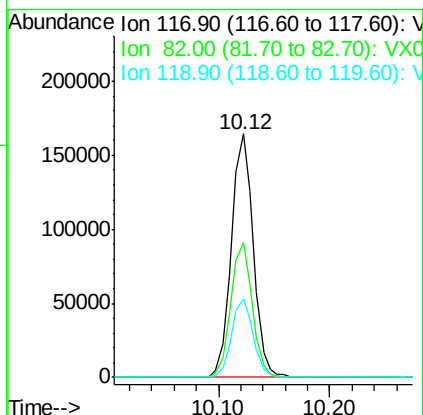
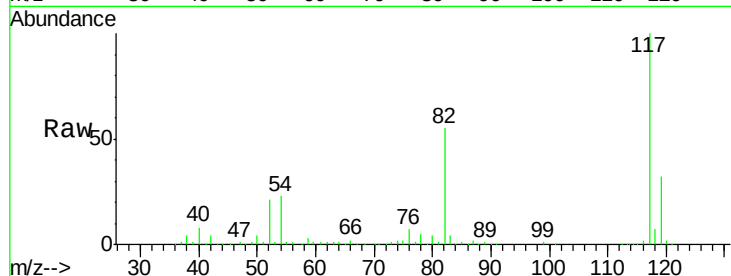




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

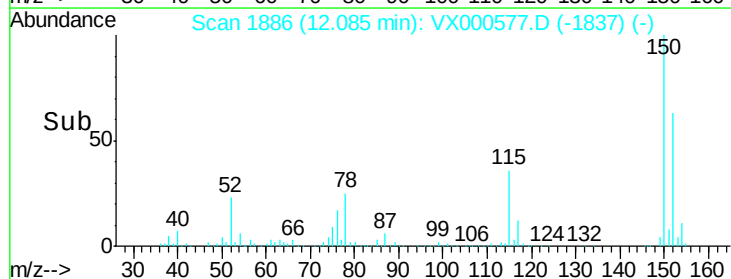
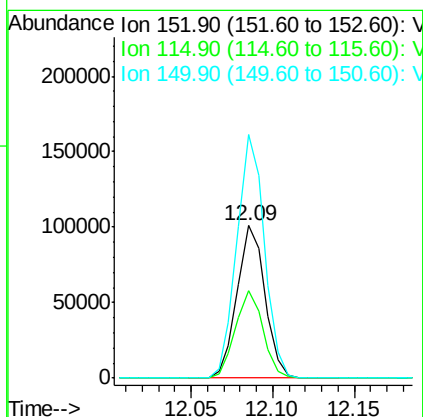
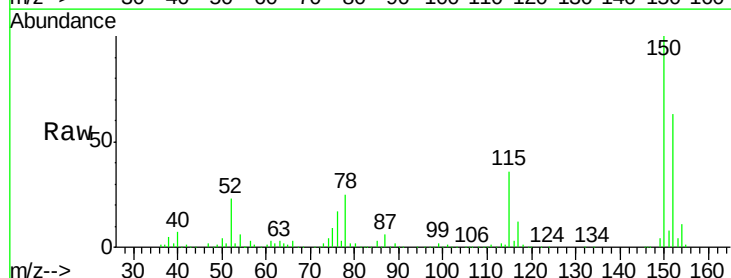
Instrument :
MSVOA_X
ClientSampled :
RT1495

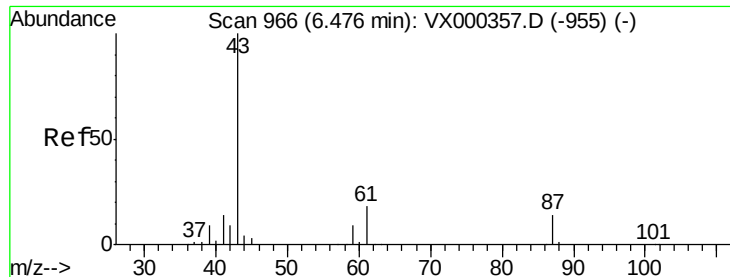
Tgt Ion:117 Resp: 224002
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 32.4 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000577.D
Acq: 30 Mar 2018 22:38

Tgt Ion:152 Resp: 121011
Ion Ratio Lower Upper
152 100
115 56.6 39.8 119.3
150 157.5 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

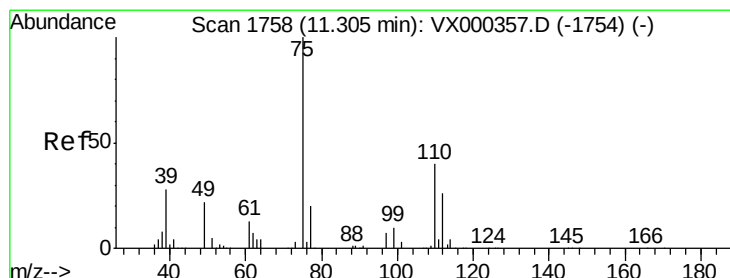
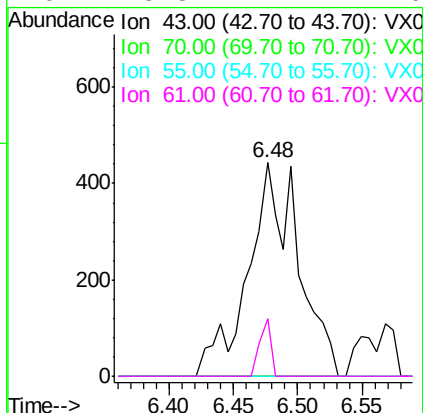
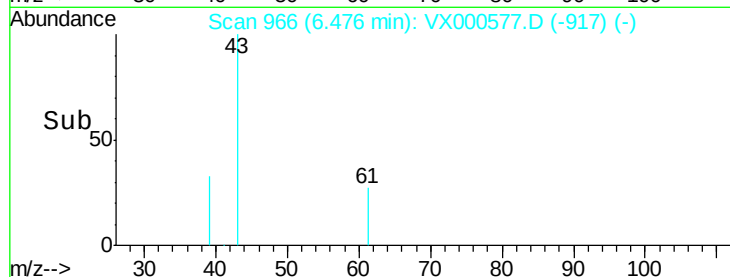
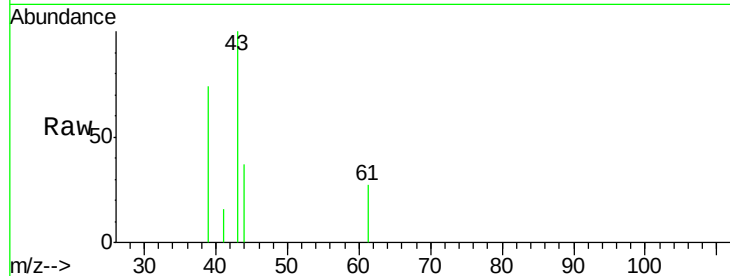
Instrument :

MSVOA_X

ClientSampleId :

RT1495

Tgt Ion:	43	Resp:	1194
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	5.8	14.4	21.6#



#76

1,2,3-Trichloropropane

Concen: 22.17 ug/l

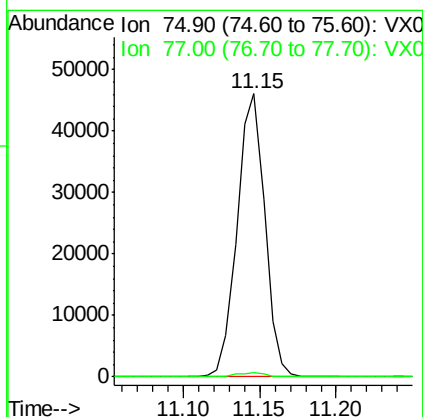
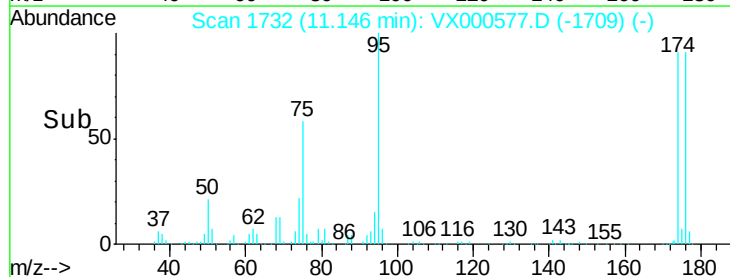
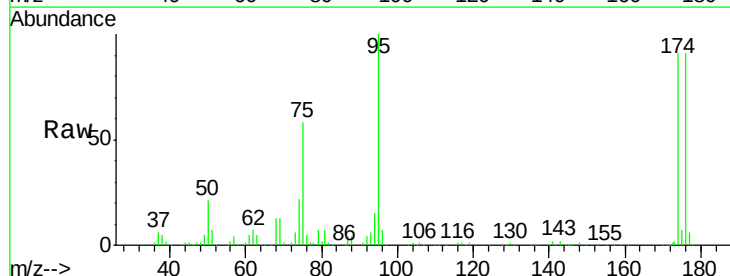
RT: 11.15 min Scan# 1732

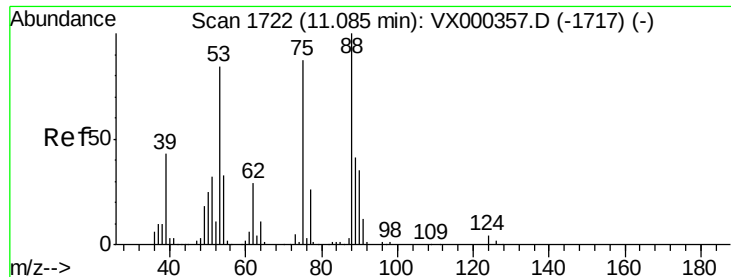
Delta R.T. -0.16 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

Tgt Ion:	75	Resp:	57647
Ion	Ratio	Lower	Upper
75	100		
77	1.6	21.4	64.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.76 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

Instrument :

MSVOA_X

ClientSampleId :

RT1495

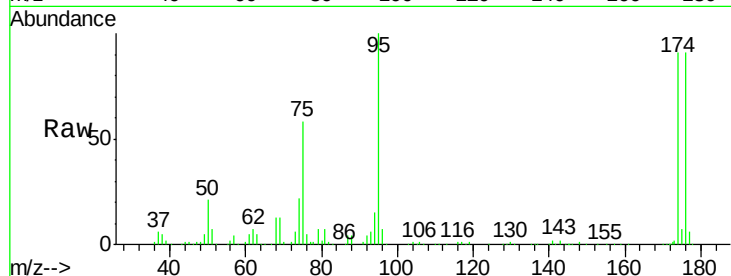
Tgt Ion: 75 Resp: 57647

Ion Ratio Lower Upper

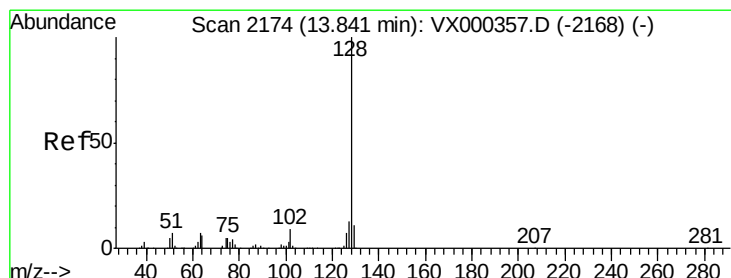
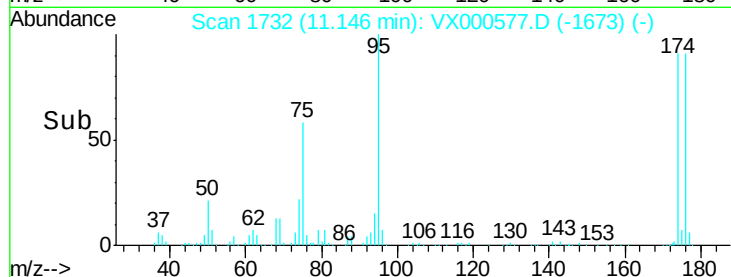
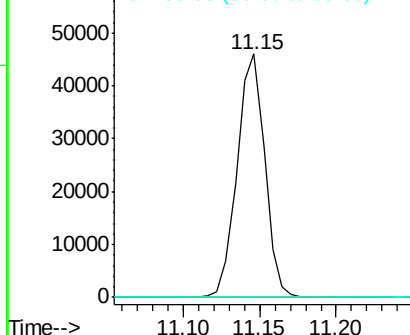
75 100

53 0.0 80.7 121.1#

89 0.0 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: 1.84 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000577.D

Acq: 30 Mar 2018 22:38

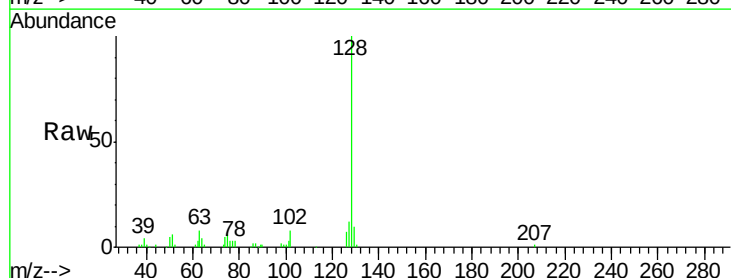
Tgt Ion: 128 Resp: 18153

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

129 11.1 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

