

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
 Data File : VX006085.D
 Acq On : 19 Nov 2018 12:34
 Operator : JC/MD
 Sample : J5991-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WS-RO-358

Quant Time: Nov 19 13:15:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	143453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	213765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	166160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	79452	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	80669	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	5.51	113	69233	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
50) Toluene-d8	8.71	98	218896	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
62) 4-Bromofluorobenzene	11.14	95	74230	42.71	ug/l	0.00
Spiked Amount			Recovery	=	85.42%	

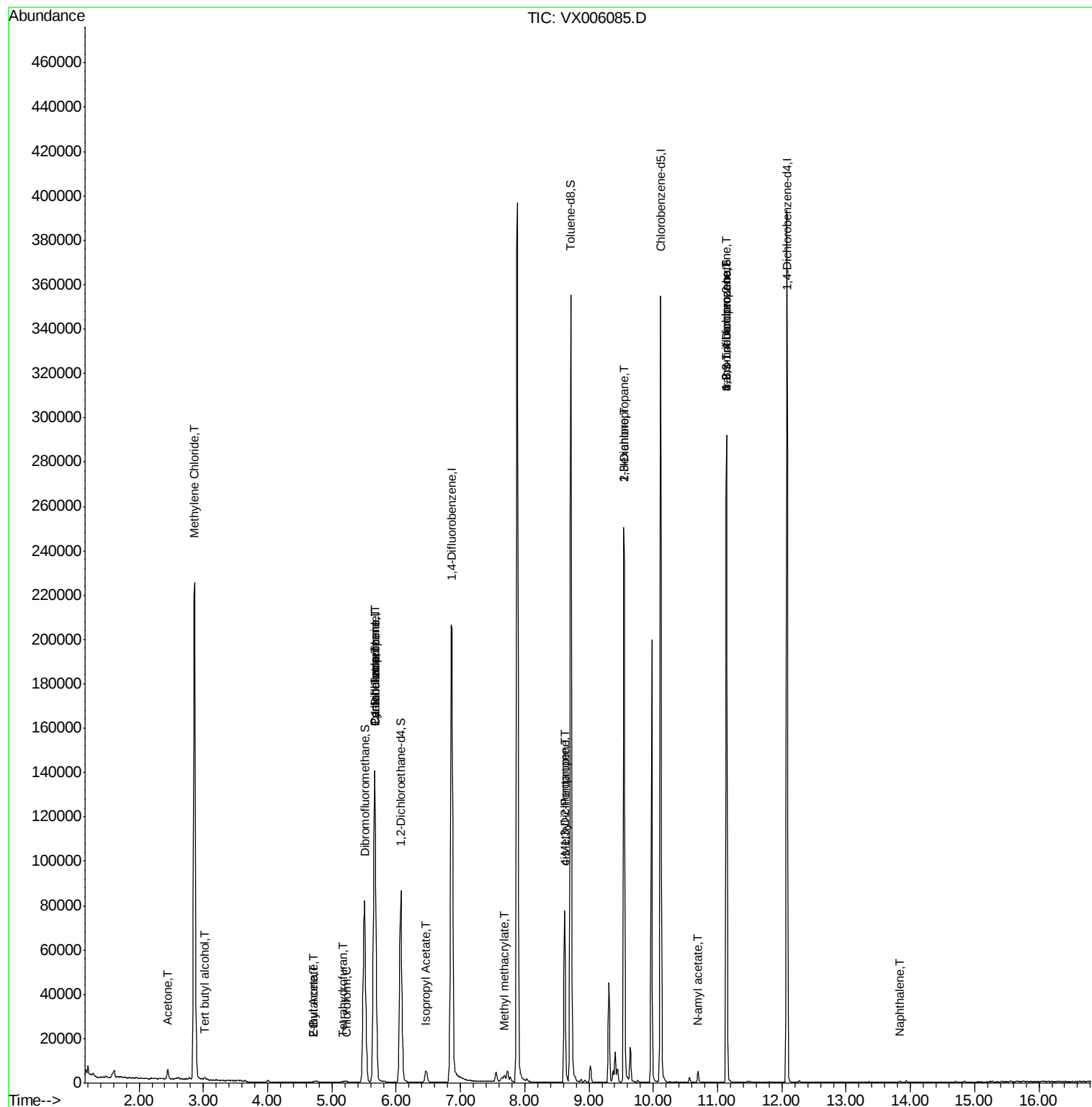
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	832	1.76	ug/l #	72
16) Acetone	2.45	43	4626	5.21	ug/l	95
18) Methyl Acetate	2.78	43	1146	Below	Cal	96
20) Methylene Chloride	2.85	84	102122	70.01	ug/l	87
25) 2-Butanone	4.71	43	654	0.47	ug/l #	51
29) Tetrahydrofuran	5.17	42	330	0.37	ug/l #	49
30) Chloroform	5.23	83	755	0.30	ug/l #	82
31) Cyclohexane	5.67	56	2399	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	9460	4.59	ug/l #	49
37) Ethyl Acetate	4.71	43	654	0.24	ug/l #	69
38) Carbon Tetrachloride	5.67	117	12484	6.05	ug/l #	16
43) Isopropyl Acetate	6.46	43	7260	1.85	ug/l	97
48) Methyl methacrylate	7.68	41	3739	2.12	ug/l #	16
51) 4-Methyl-2-Pentanone	8.62	43	25835	10.44	ug/l #	52
54) cis-1,3-Dichloropropene	8.62	75	11842	5.69	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	2085	0.83	ug/l #	43
59) 2-Hexanone	9.54	43	30627	14.04	ug/l #	53
74) N-amyl acetate	10.69	43	1520	1.83	ug/l #	51
76) 1,2,3-Trichloropropane	11.14	75	36743	22.71	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	36743	72.39	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	274	Below	Cal	92
95) Naphthalene	13.83	128	614	1.28	ug/l #	81

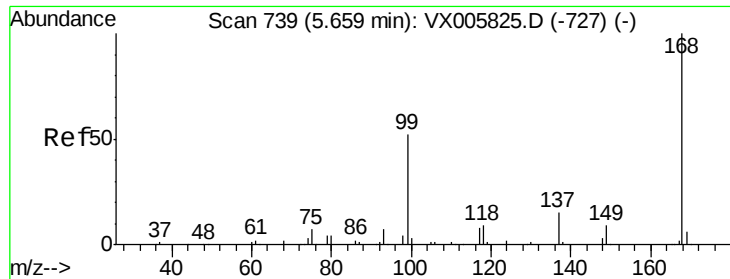
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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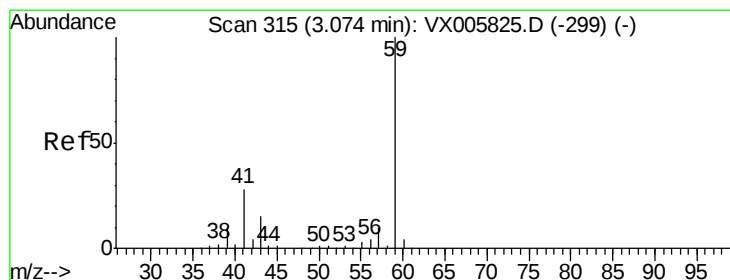
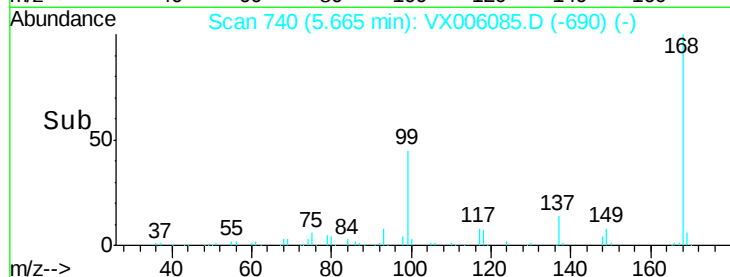
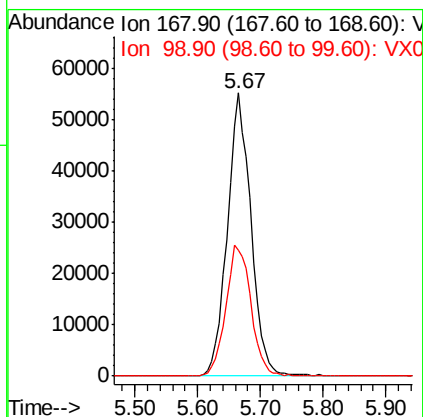
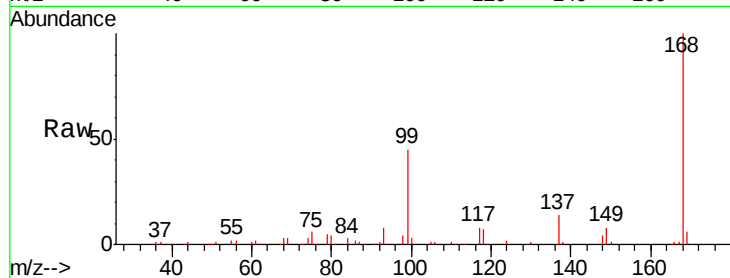




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX006085.D
Acq: 19 Nov 2018 12:34

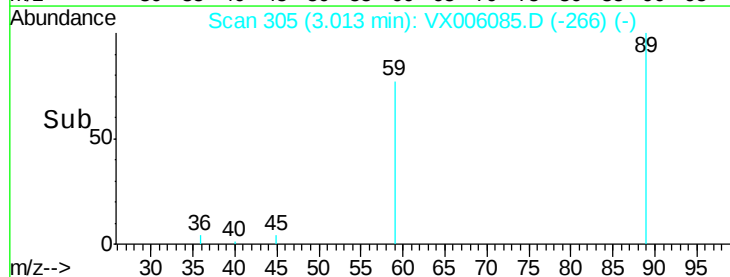
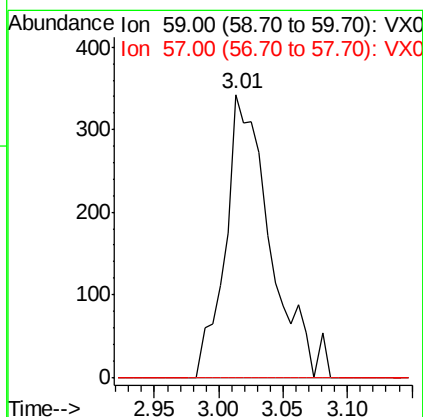
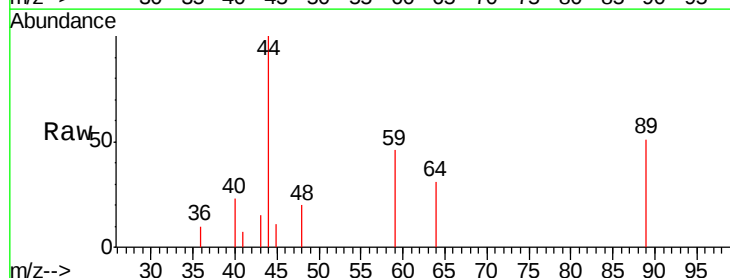
Instrument :
MSVOA_X
ClientSampled :
WS-RO-358

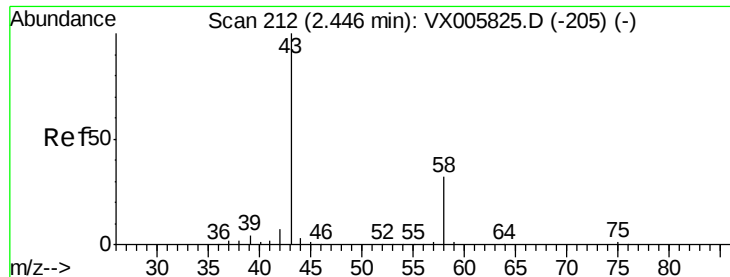
Tgt Ion:168 Resp: 143453
Ion Ratio Lower Upper
168 100
99 44.5 40.7 61.1



#11
Tert butyl alcohol
Concen: 1.76 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.06 min
Lab File: VX006085.D
Acq: 19 Nov 2018 12:34

Tgt Ion: 59 Resp: 832
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 5.21 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006085.D

Acq: 19 Nov 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

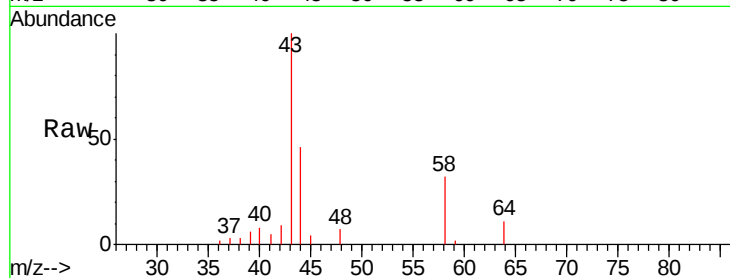
WS-RO-358

Tgt Ion: 43 Resp: 4626

Ion Ratio Lower Upper

43 100

58 32.2 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

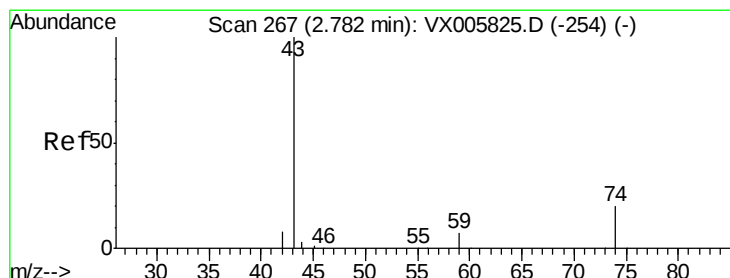
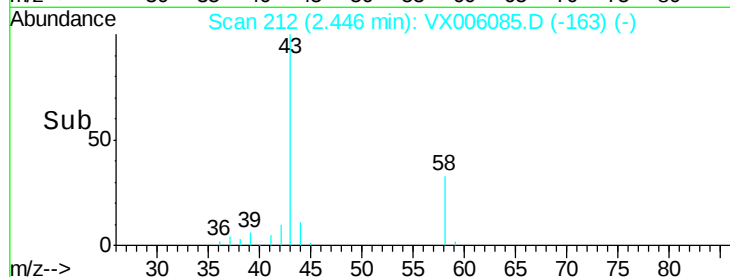
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006085.D

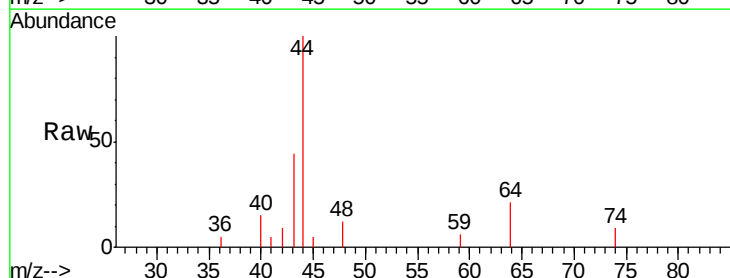
Acq: 19 Nov 2018 12:34

Tgt Ion: 43 Resp: 1146

Ion Ratio Lower Upper

43 100

74 18.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

500

400

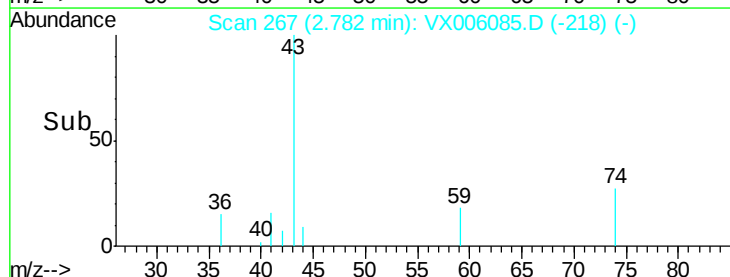
300

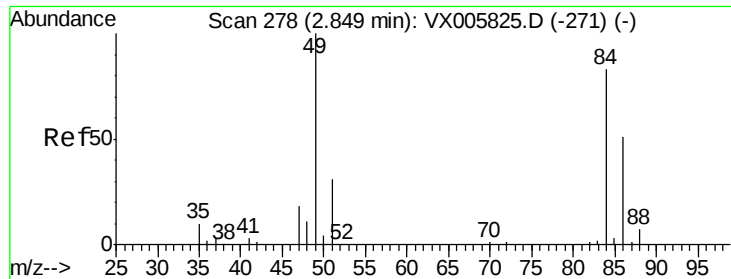
200

100

0

Time--> 2.70 2.75 2.80

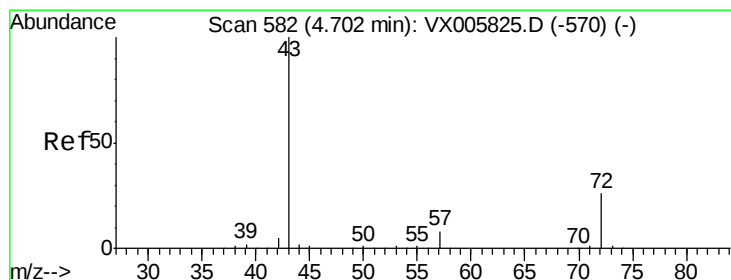
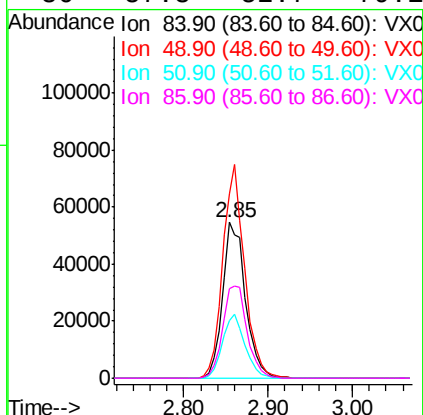
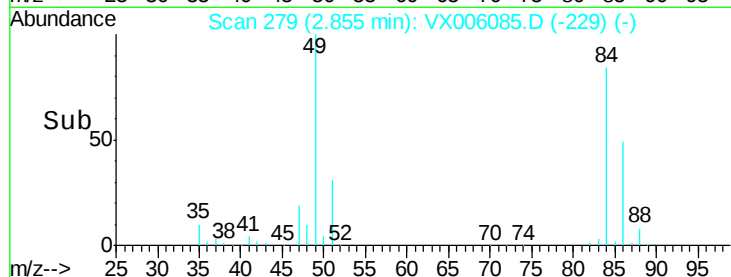
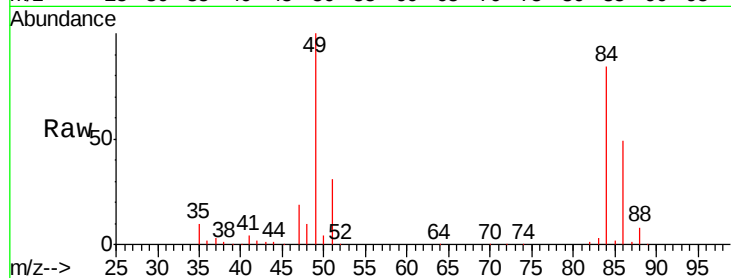




#20
Methylene Chloride
Concen: 70.01 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX006085.D
Acq: 19 Nov 2018 12:34

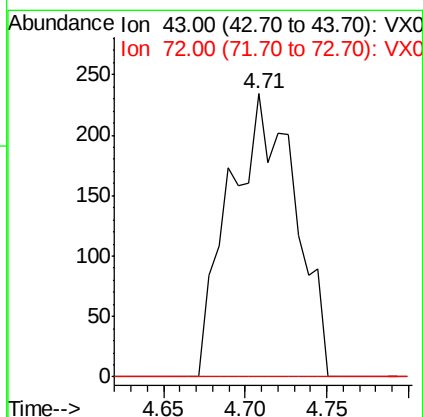
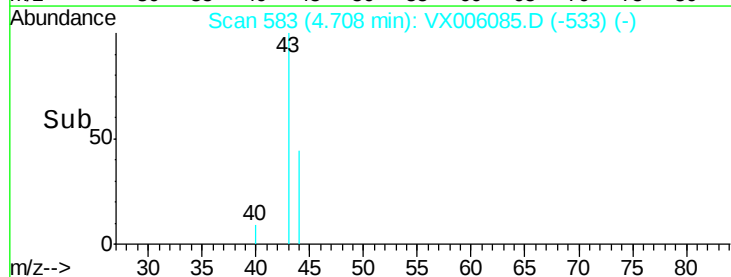
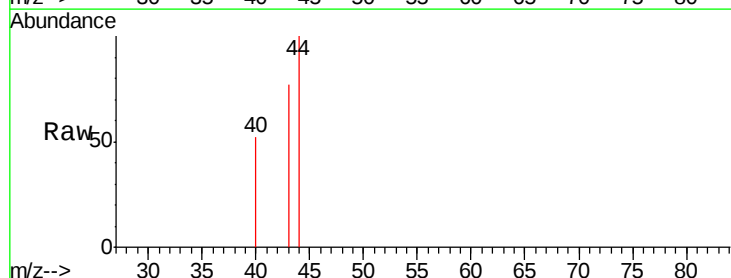
Instrument :
MSVOA_X
ClientSampled :
WS-RO-358

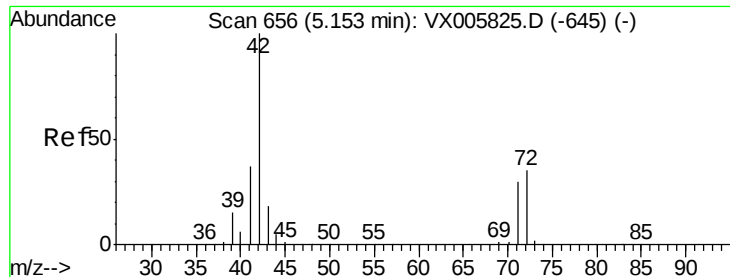
Tgt Ion: 84 Resp: 102122
Ion Ratio Lower Upper
84 100
49 118.6 109.5 164.3
51 37.0 33.3 49.9
86 57.8 52.7 79.1



#25
2-Butanone
Concen: 0.47 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX006085.D
Acq: 19 Nov 2018 12:34

Tgt Ion: 43 Resp: 654
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.37 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX006085.D

Acq: 19 Nov 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

WS-RO-358

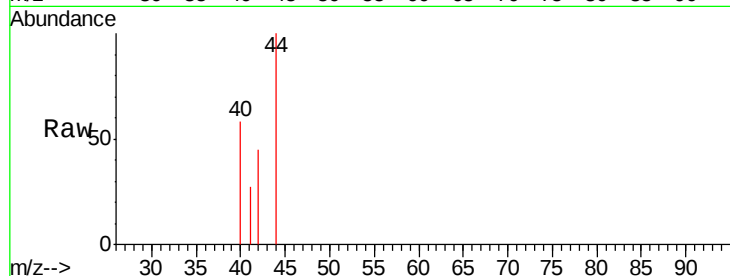
Tgt Ion: 42 Resp: 330

Ion Ratio Lower Upper

42 100

72 14.5 32.0 48.0#

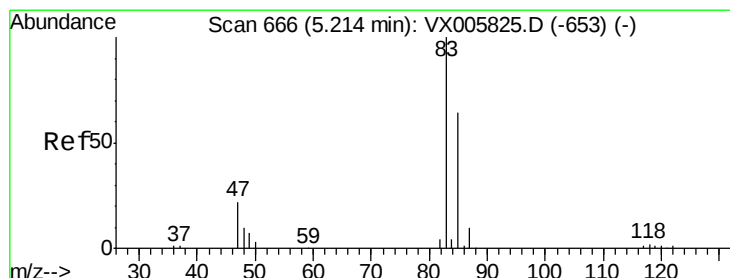
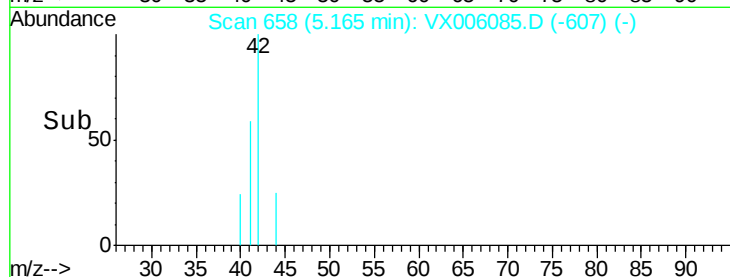
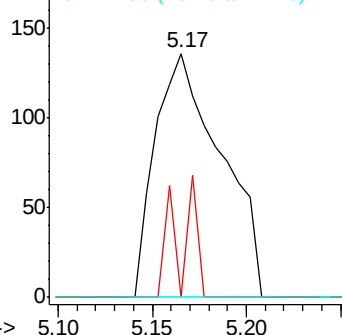
71 0.0 29.8 44.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.30 ug/l

RT: 5.23 min Scan# 668

Delta R.T. 0.01 min

Lab File: VX006085.D

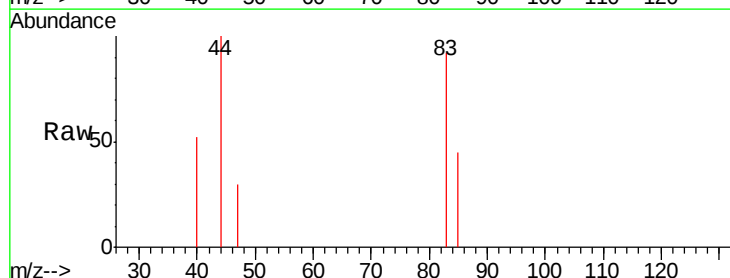
Acq: 19 Nov 2018 12:34

Tgt Ion: 83 Resp: 755

Ion Ratio Lower Upper

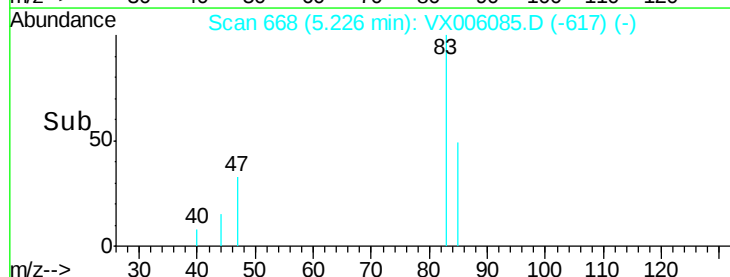
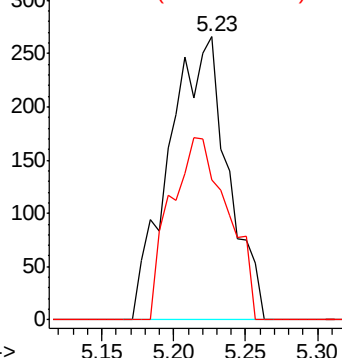
83 100

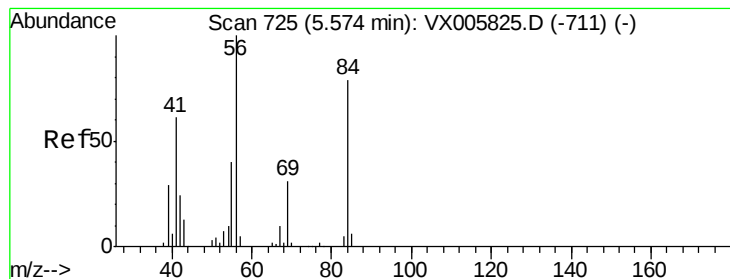
85 49.2 50.6 76.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.04 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006085.D

Acq: 19 Nov 2018 12:34

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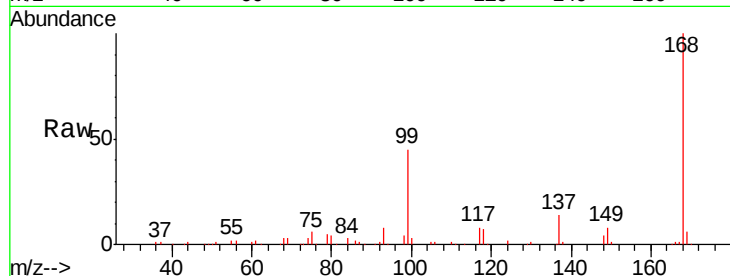
Tgt Ion: 56 Resp: 2399

Ion Ratio Lower Upper

56 100

69 192.0 22.6 34.0#

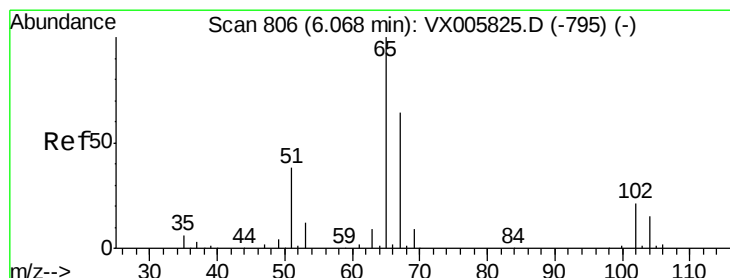
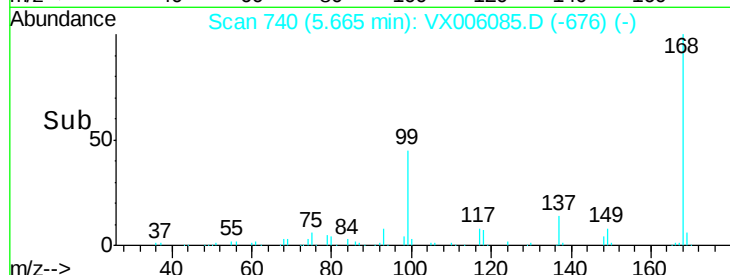
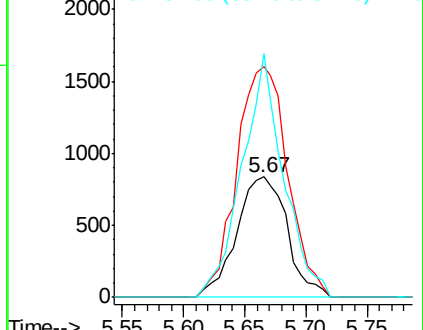
84 202.3 62.7 94.1#



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: 48.91 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX006085.D

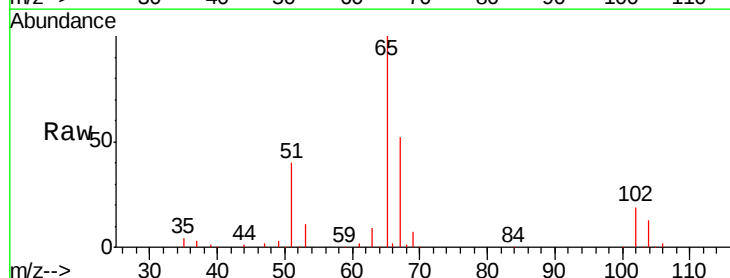
Acq: 19 Nov 2018 12:34

Tgt Ion: 65 Resp: 80669

Ion Ratio Lower Upper

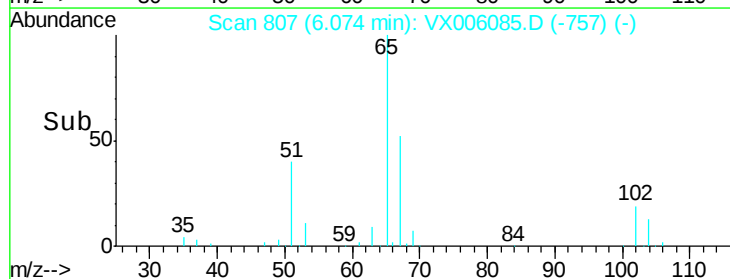
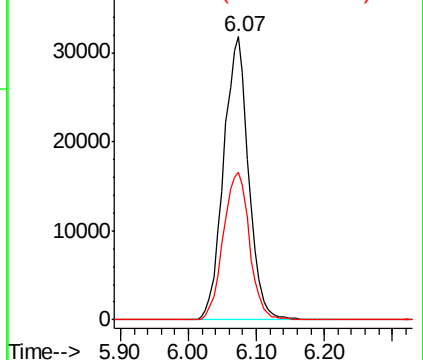
65 100

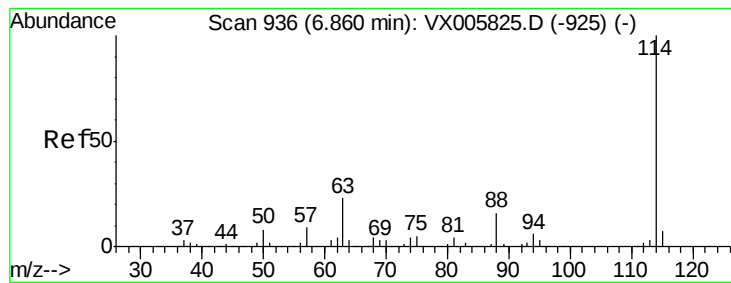
67 54.6 0.0 105.0



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# 937

Delta R.T. 0.01 min

Lab File: VX006085.D

Acq: 19 Nov 2018 12:34

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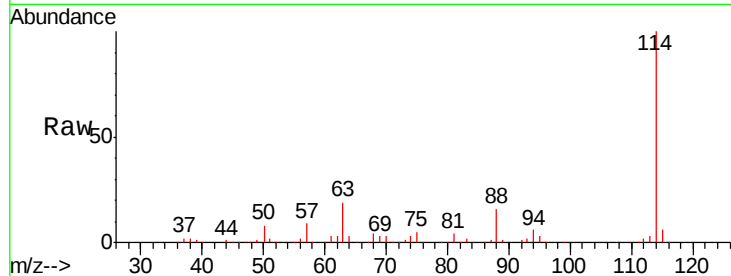
Tgt Ion:114 Resp: 213765

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.8

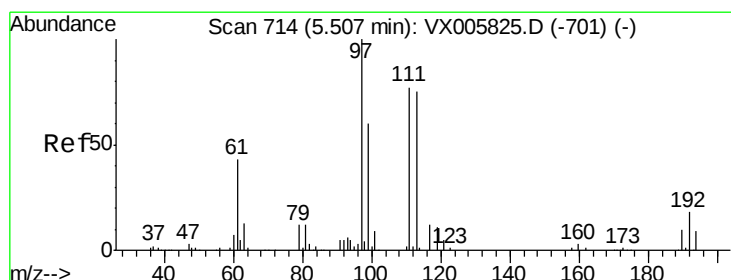
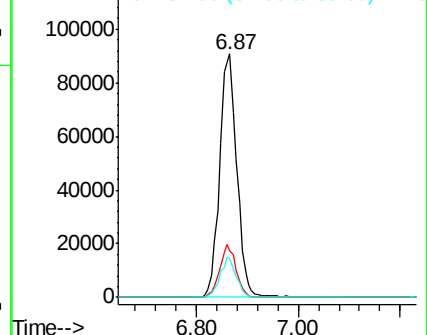
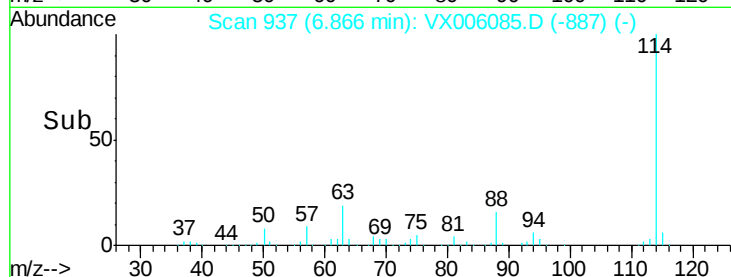
88 16.2 0.0 31.2



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: 47.62 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006085.D

Acq: 19 Nov 2018 12:34

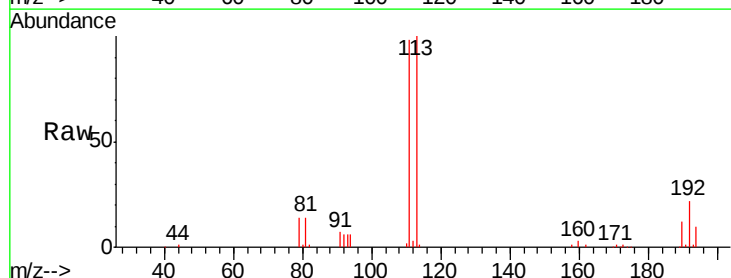
Tgt Ion:113 Resp: 69233

Ion Ratio Lower Upper

113 100

111 101.0 82.3 123.5

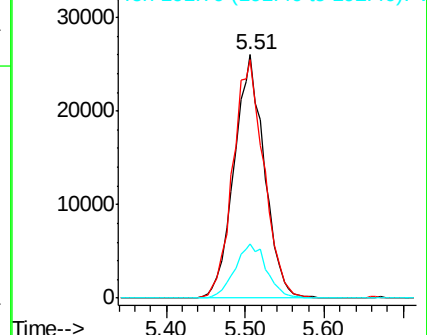
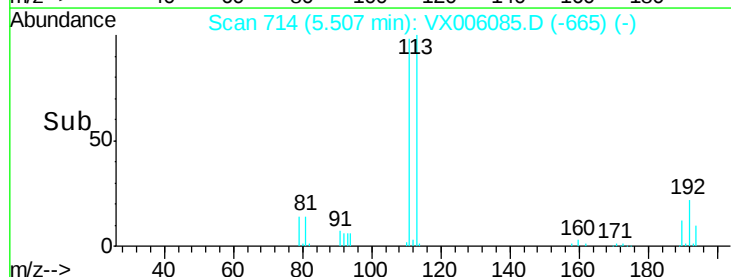
192 23.4 17.9 26.9

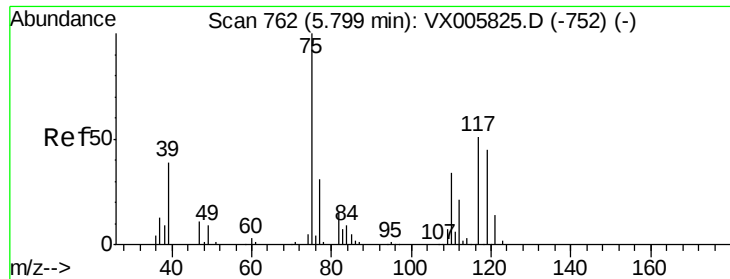


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

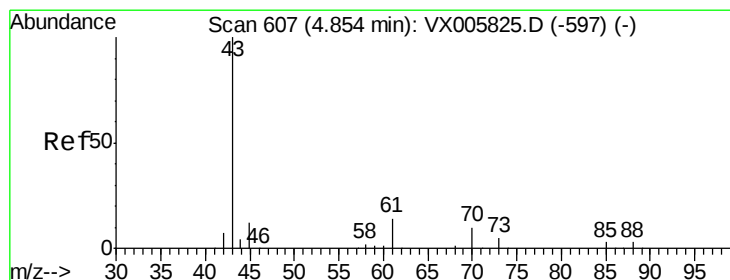
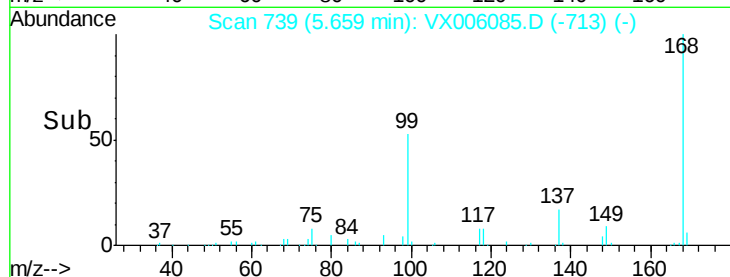
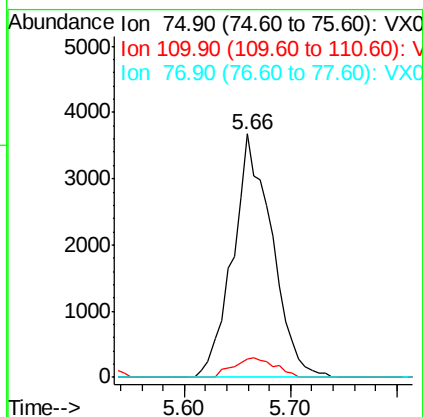
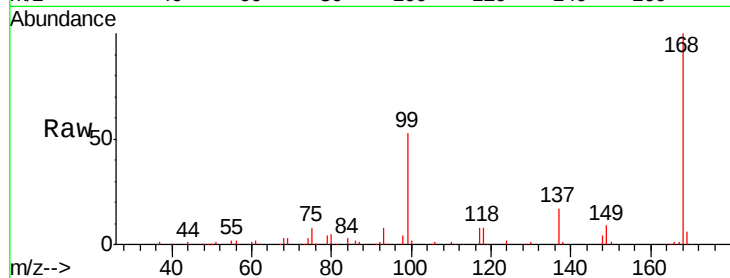




#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006085.D
 Acq: 19 Nov 2018 12:34

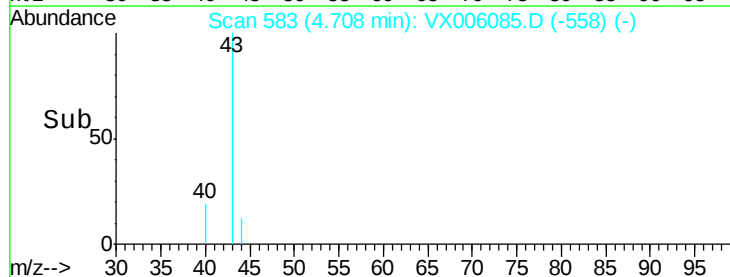
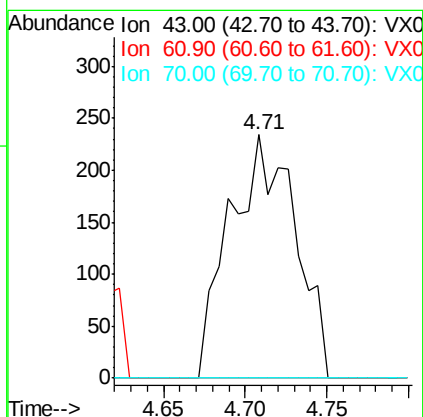
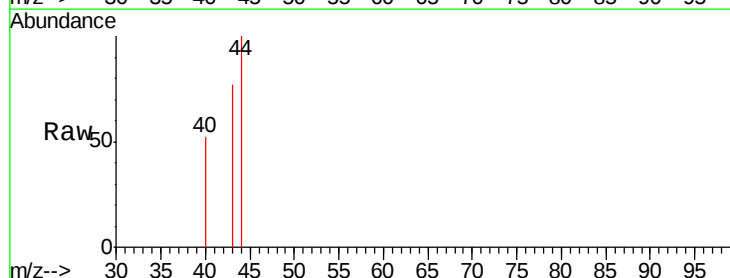
Instrument :
 MSVOA_X
 ClientSampleId :
 WS-RO-358

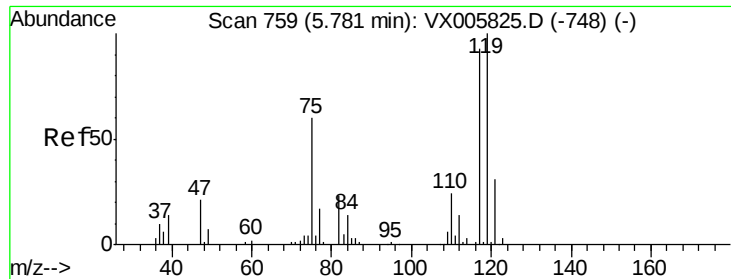
Tgt Ion: 75 Resp: 9460
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.4 52.2#
 77 0.0 25.8 38.6#



#37
 Ethyl Acetate
 Concen: 0.24 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. -0.15 min
 Lab File: VX006085.D
 Acq: 19 Nov 2018 12:34

Tgt Ion: 43 Resp: 654
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.8 16.2#
 70 0.0 7.8 11.8#

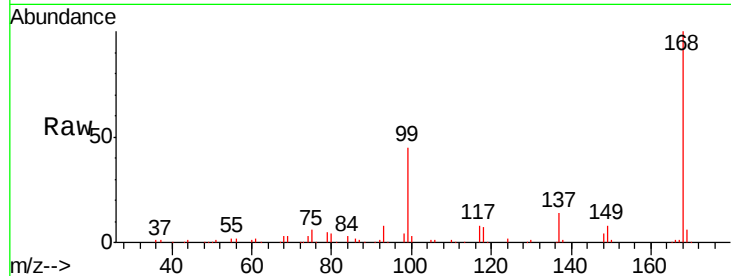




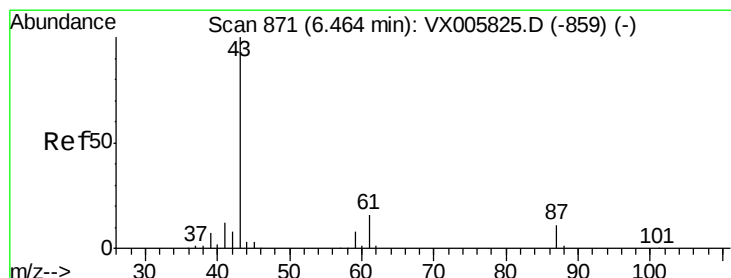
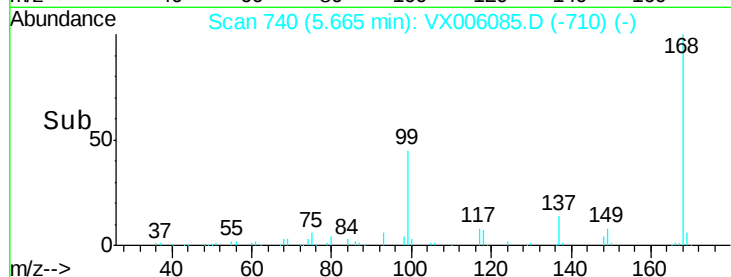
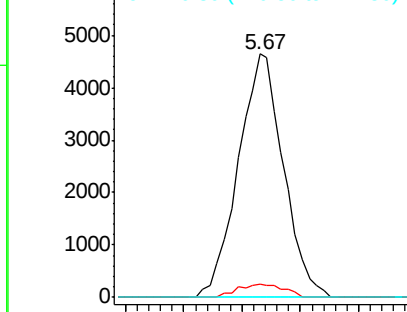
#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006085.D
Acq: 19 Nov 2018 12:34

Instrument :
MSVOA_X
ClientSampled :
WS-RO-358

Tgt Ion:117 Resp: 12484
Ion Ratio Lower Upper
117 100
119 5.5 78.1 117.1#
121 0.0 24.6 36.8#

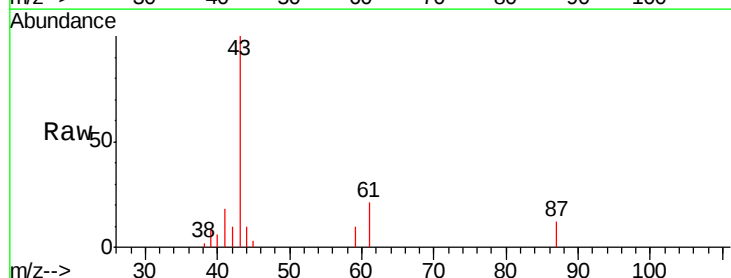


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

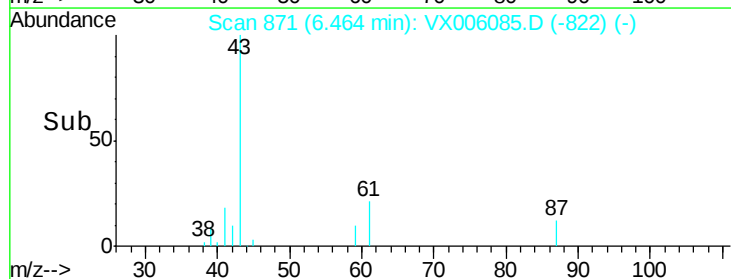
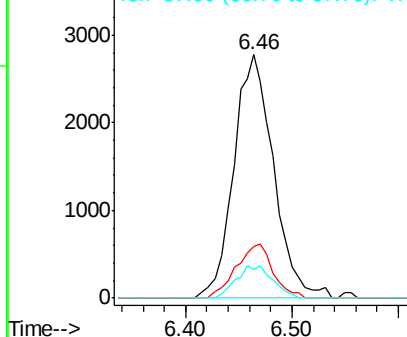


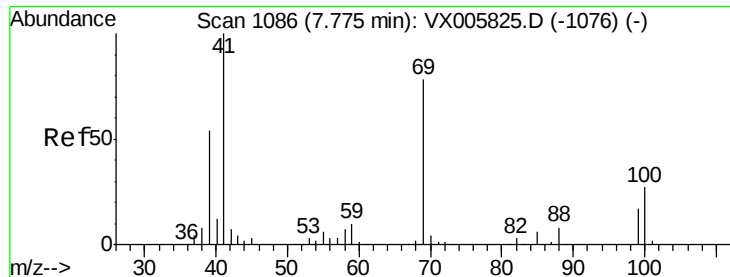
#43
Isopropyl Acetate
Concen: 1.85 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX006085.D
Acq: 19 Nov 2018 12:34

Tgt Ion: 43 Resp: 7260
Ion Ratio Lower Upper
43 100
61 20.5 14.6 22.0
87 12.2 9.6 14.4



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





#48

Methyl methacrylate

Concen: 2.12 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006085.D

Acq: 19 Nov 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

WS-RO-358

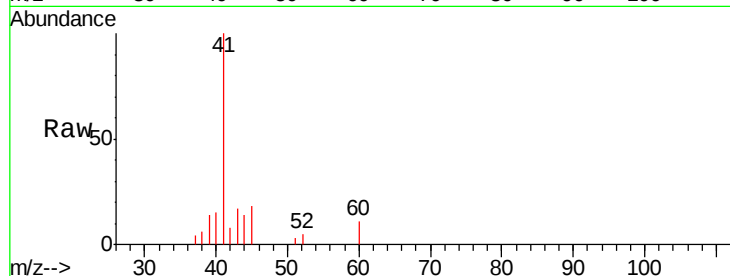
Tgt Ion: 41 Resp: 3739

Ion Ratio Lower Upper

41 100

69 0.0 63.2 94.8#

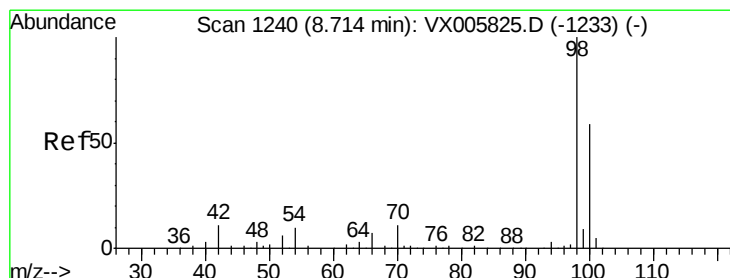
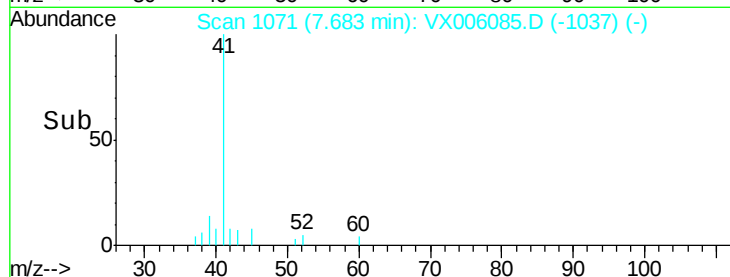
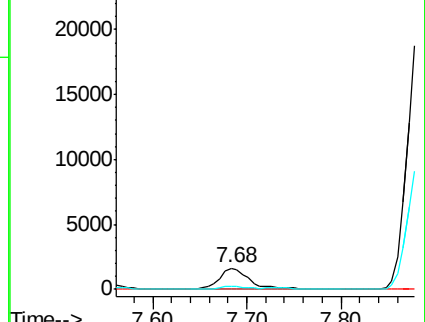
39 0.0 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 45.29 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006085.D

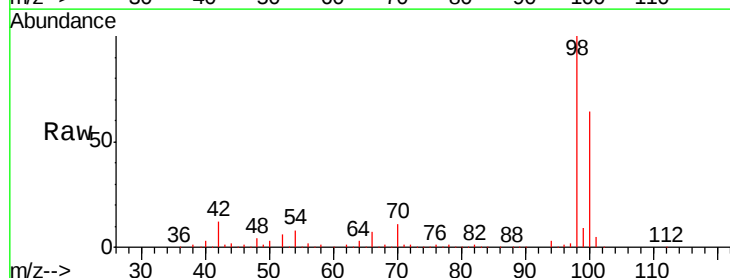
Acq: 19 Nov 2018 12:34

Tgt Ion: 98 Resp: 218896

Ion Ratio Lower Upper

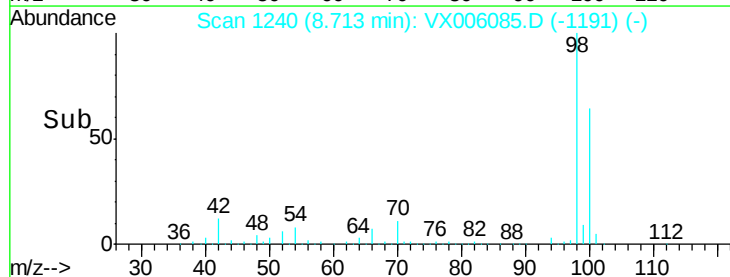
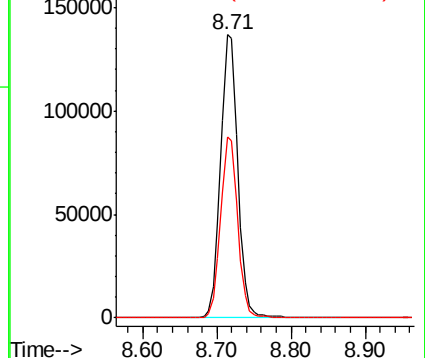
98 100

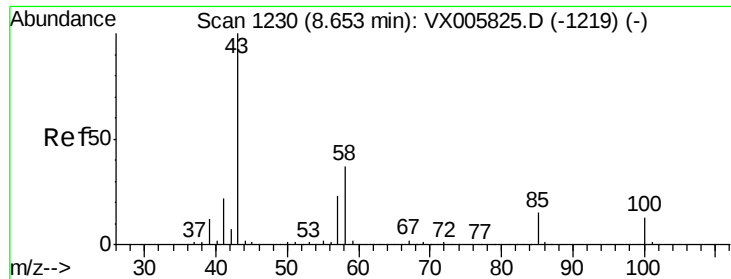
100 63.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

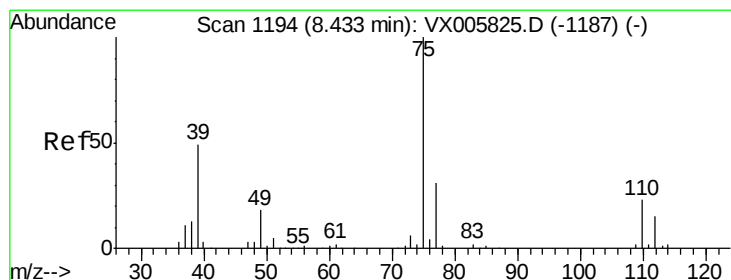
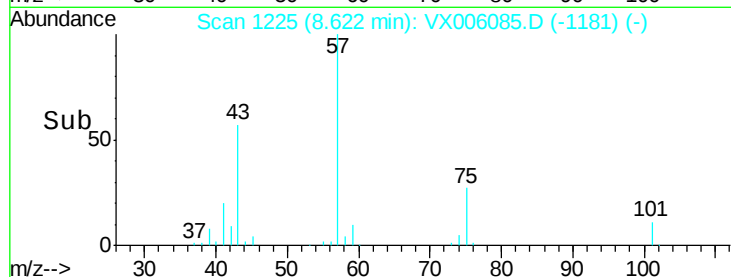
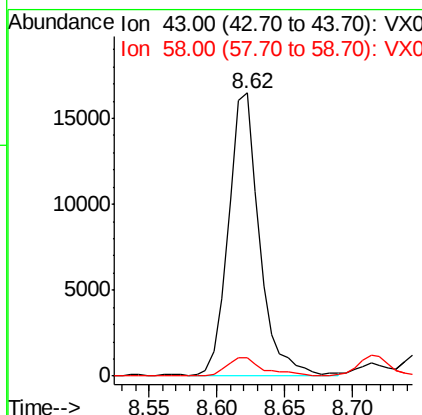
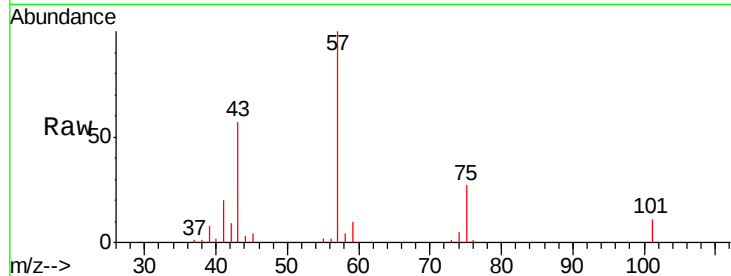




#51
 4-Methyl-2-Pentanone
 Concen: 10.44 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. -0.03 min
 Lab File: VX006085.D
 Acq: 19 Nov 2018 12:34

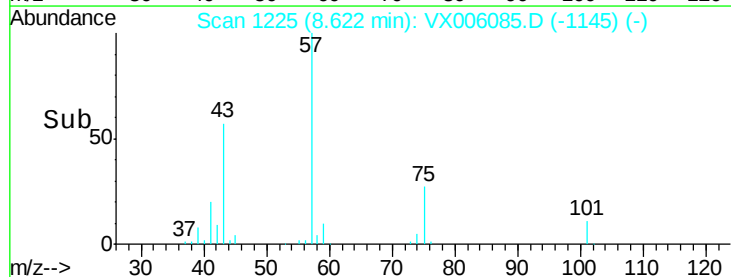
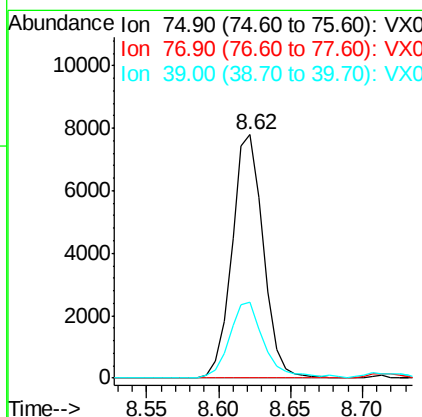
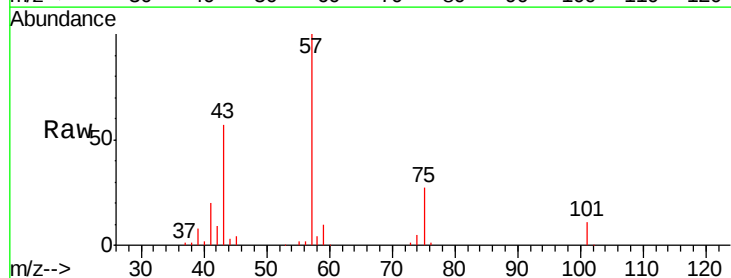
Instrument :
 MSVOA_X
 ClientSampleId :
 WS-RO-358

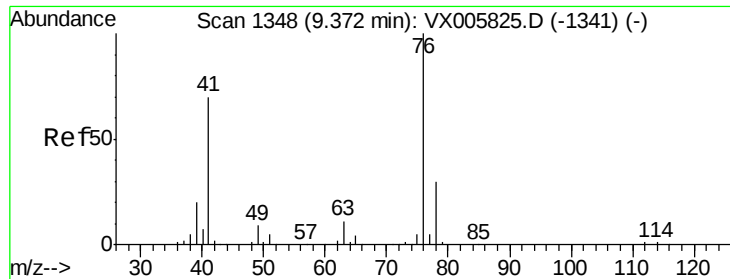
Tgt Ion: 43 Resp: 25835
 Ion Ratio Lower Upper
 43 100
 58 8.3 29.7 44.5#



#54
 cis-1,3-Dichloropropene
 Concen: 5.69 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.19 min
 Lab File: VX006085.D
 Acq: 19 Nov 2018 12:34

Tgt Ion: 75 Resp: 11842
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 31.1 38.2 57.2#

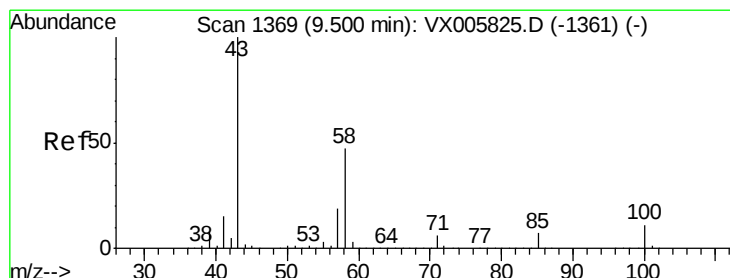
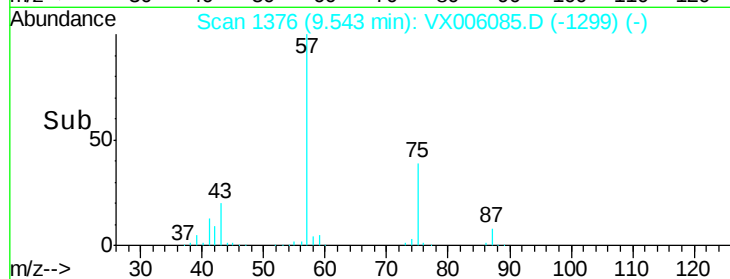
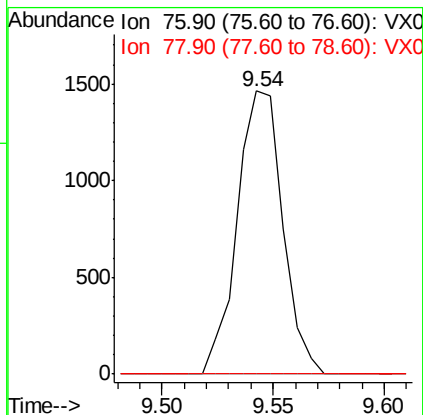
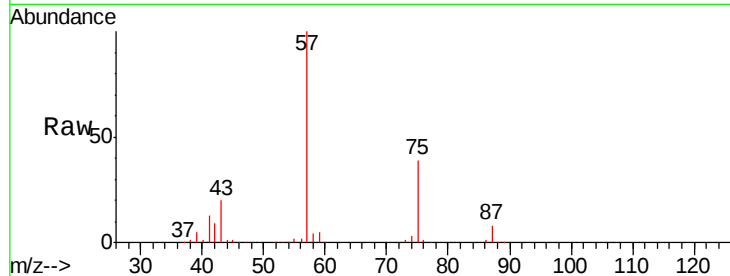




#57
 1,3-Dichloropropane
 Concen: 0.83 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.17 min
 Lab File: VX006085.D
 Acq: 19 Nov 2018 12:34

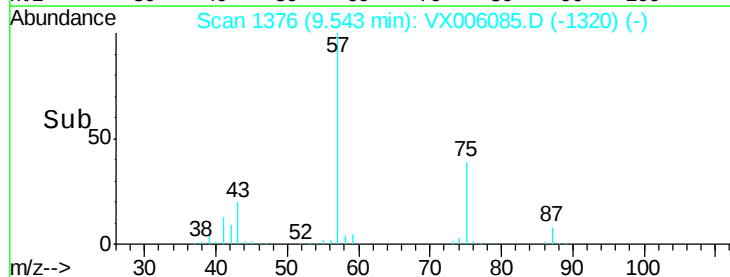
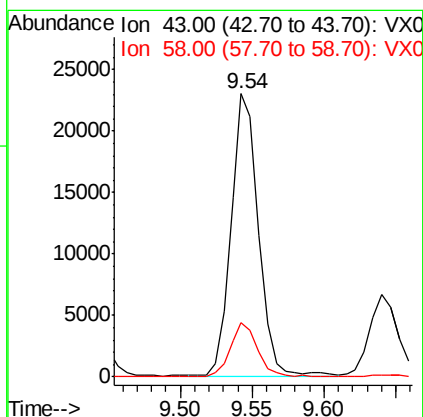
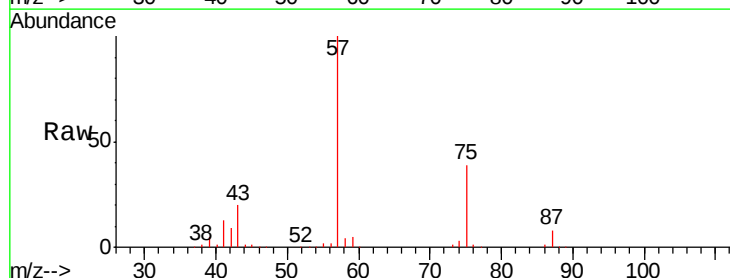
Instrument :
 MSVOA_X
 ClientSampleId :
 WS-RO-358

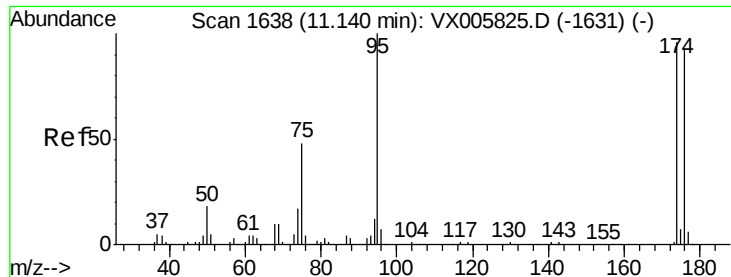
Tgt Ion: 76 Resp: 2085
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#



#59
 2-Hexanone
 Concen: 14.04 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.04 min
 Lab File: VX006085.D
 Acq: 19 Nov 2018 12:34

Tgt Ion: 43 Resp: 30627
 Ion Ratio Lower Upper
 43 100
 58 19.2 25.9 77.8#

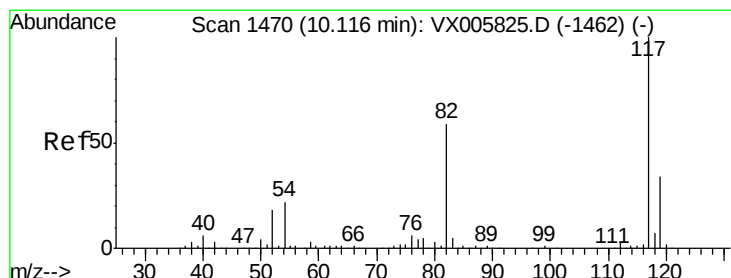
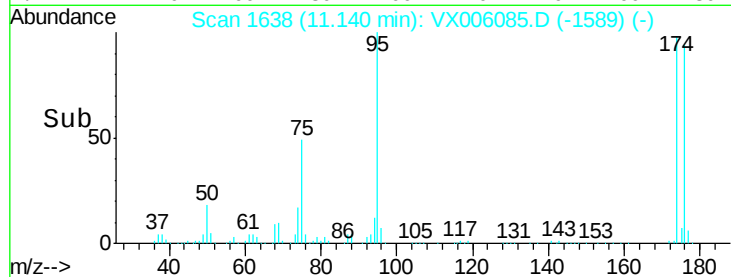
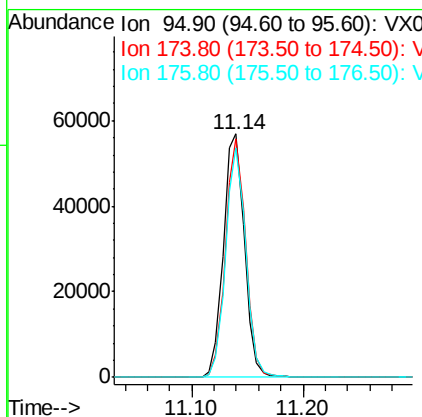
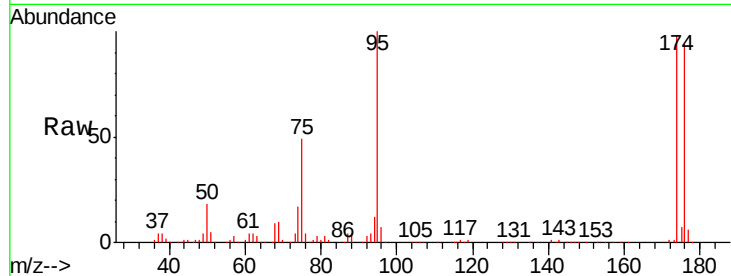




#62
4-Bromofluorobenzene
Concen: 42.71 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006085.D
Acq: 19 Nov 2018 12:34

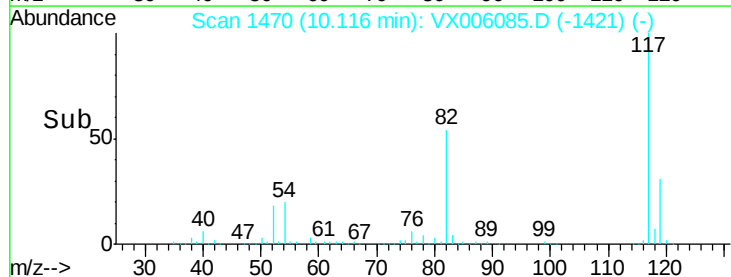
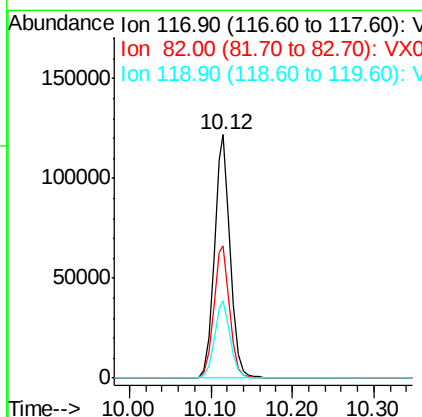
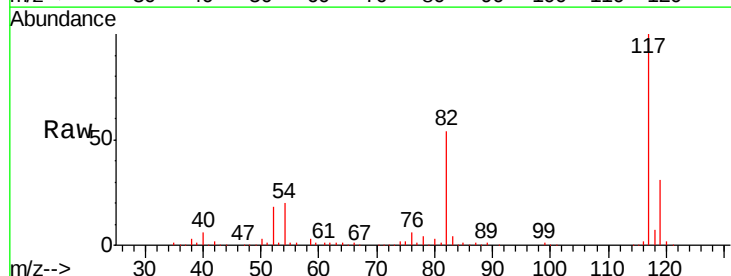
Instrument :
MSVOA_X
ClientSampleId :
WS-RO-358

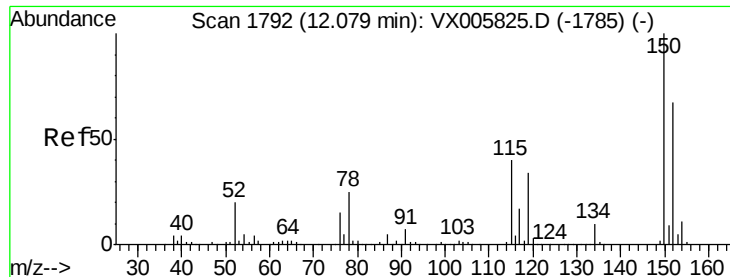
Tgt Ion: 95 Resp: 74230
Ion Ratio Lower Upper
95 100
174 94.5 0.0 184.4
176 90.6 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006085.D
Acq: 19 Nov 2018 12:34

Tgt Ion: 117 Resp: 166160
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 31.5 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006085.D

Acq: 19 Nov 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

WS-RO-358

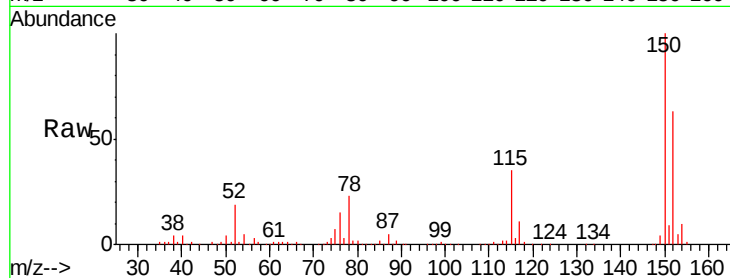
Tgt Ion:152 Resp: 79452

Ion Ratio Lower Upper

152 100

115 55.9 39.4 118.1

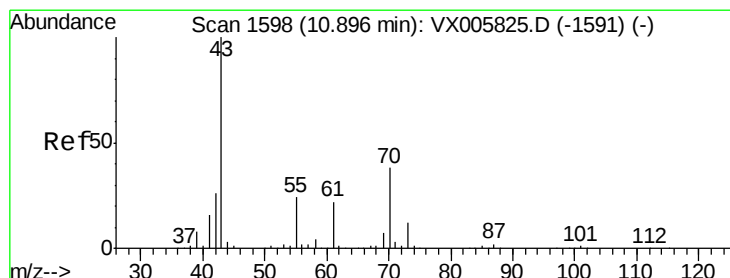
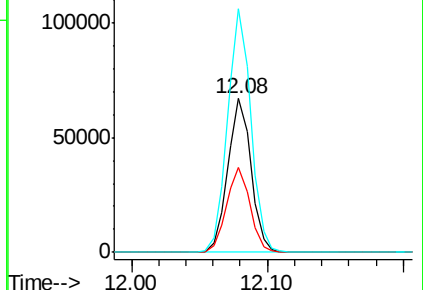
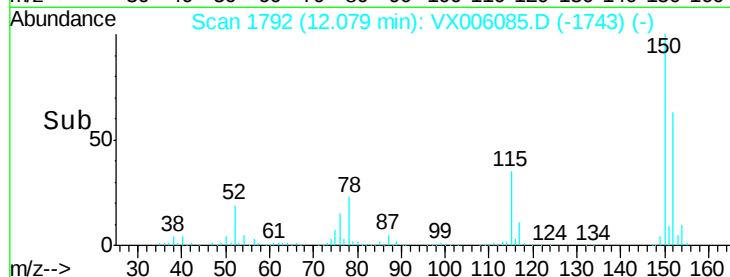
150 158.4 0.0 346.4



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: 1.83 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX006085.D

Acq: 19 Nov 2018 12:34

Tgt Ion: 43 Resp: 1520

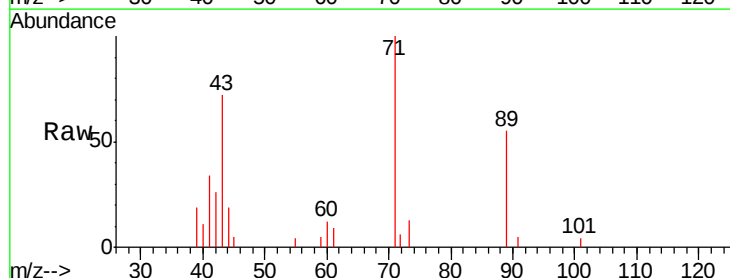
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 2.6 19.7 29.5#

61 9.5 18.3 27.5#

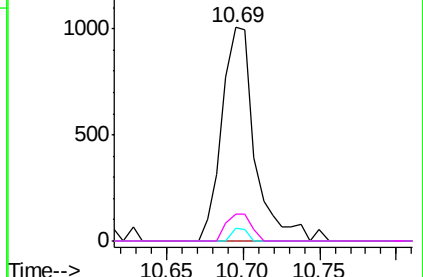
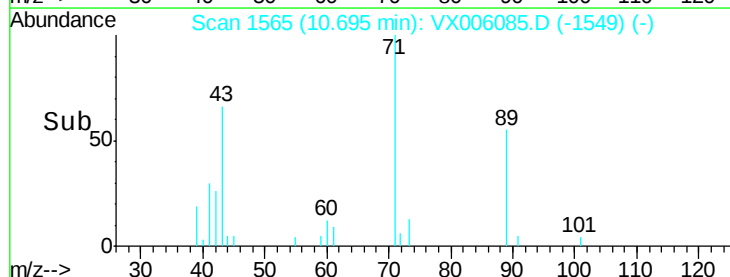


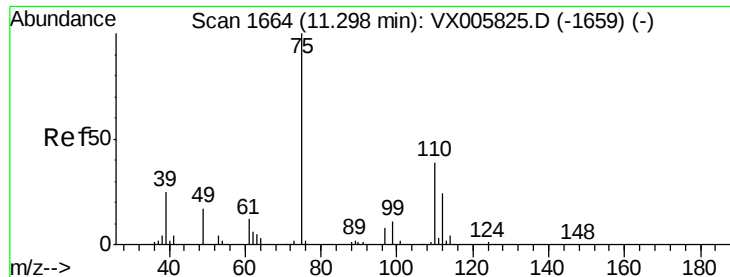
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

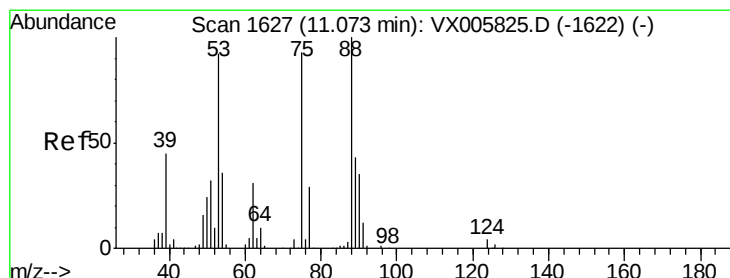
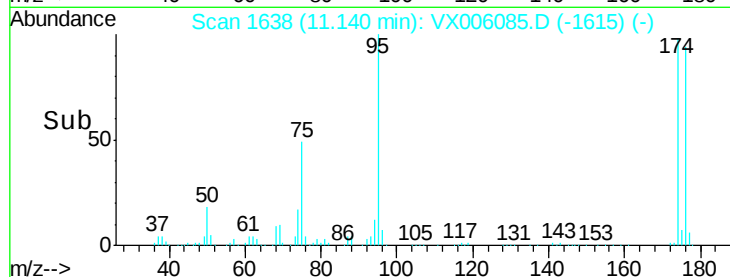
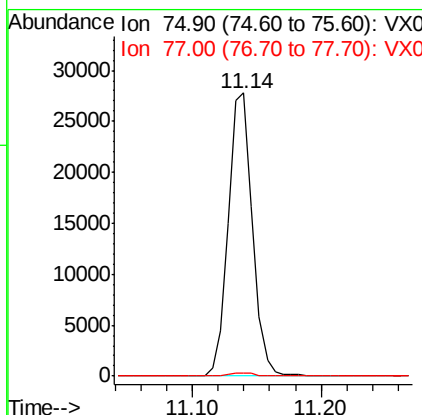
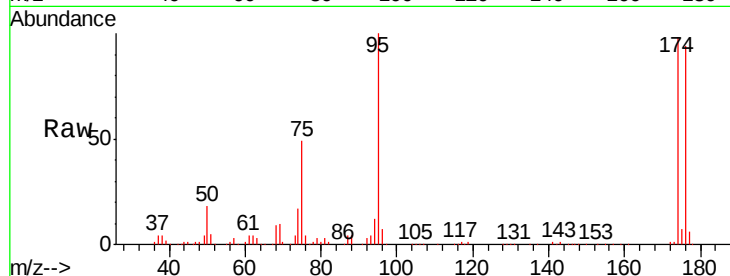




#76
 1,2,3-Trichloropropane
 Concen: 22.71 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX006085.D
 Acq: 19 Nov 2018 12:34

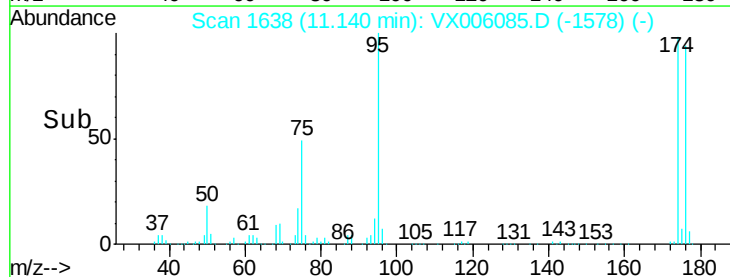
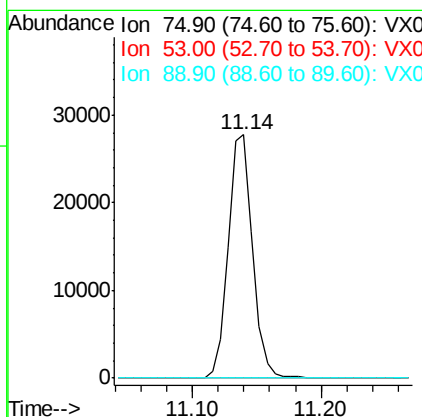
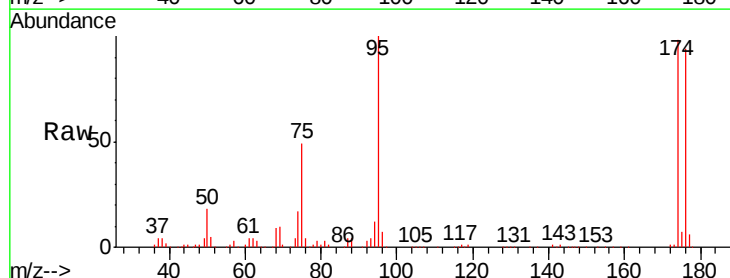
Instrument :
 MSVOA_X
 ClientSampleId :
 WS-RO-358

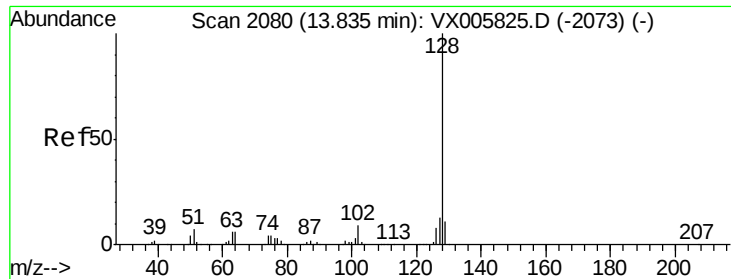
Tgt Ion: 75 Resp: 36743
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.39 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX006085.D
 Acq: 19 Nov 2018 12:34

Tgt Ion: 75 Resp: 36743
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.8 59.8#





#95
Naphthalene
Concen: 1.28 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006085.D
Acq: 19 Nov 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
WS-RO-358

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.4	15.6#
129	0.0	8.7	13.1#

