

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
 Data File : VX000684.D
 Acq On : 05 Apr 2018 03:14
 Operator : JC/MD
 Sample : J2212-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-1-A

Quant Time: Apr 05 05:26:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 03:34:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	85146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	144896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	143704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	75602	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	64740	44.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.50%	
35) Dibromofluoromethane	5.51	113	47427	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	8.72	98	185896	44.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.40%	
62) 4-Bromofluorobenzene	11.15	95	64990	39.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.08%	

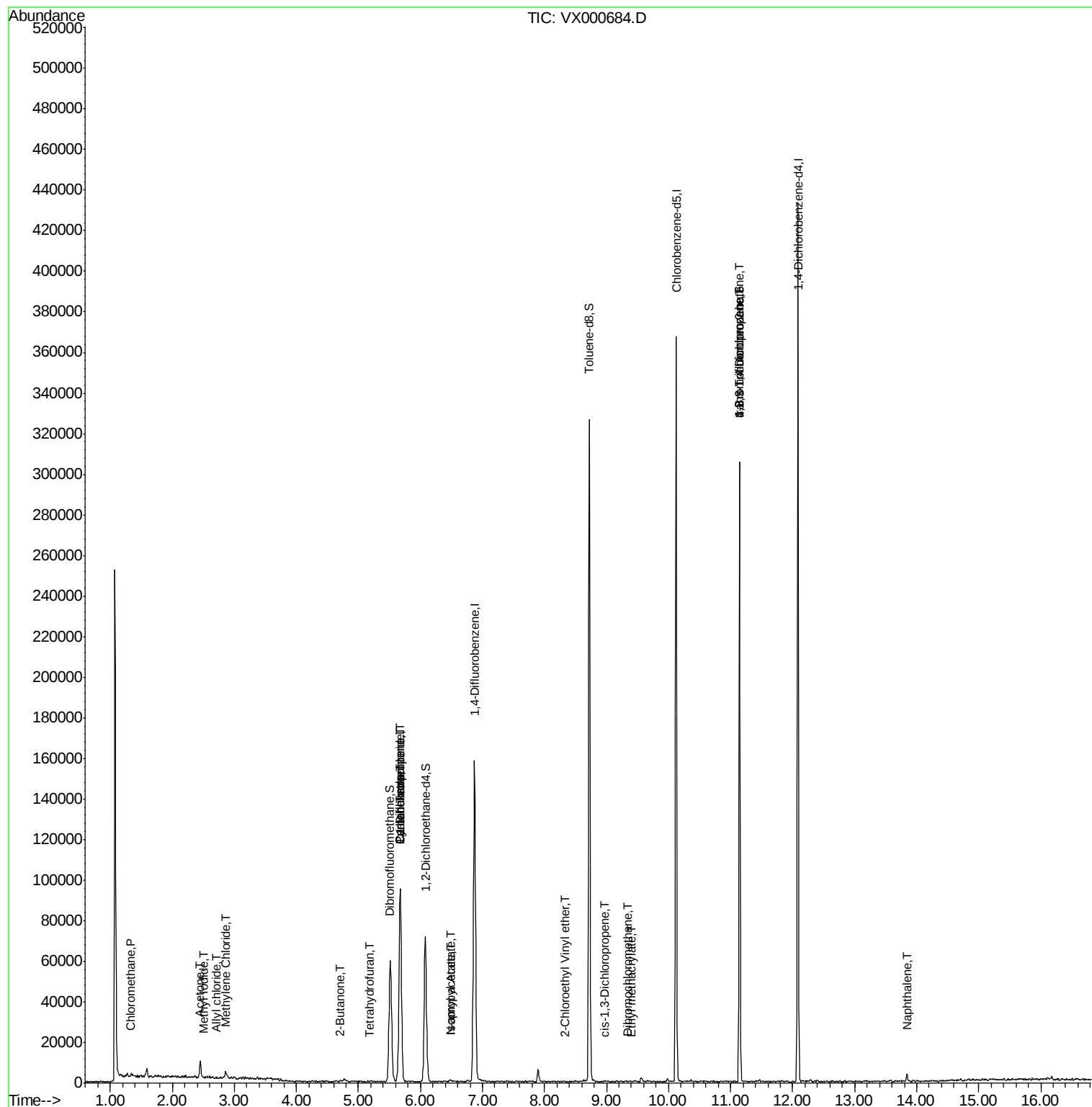
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	244	0.25	ug/l #	40
10) Methyl Iodide	2.50	142	22	9.36	ug/l #	35
14) Allyl chloride	2.71	41	521	0.22	ug/l #	39
16) Acetone	2.45	43	9077	7.63	ug/l	95
20) Methylene Chloride	2.86	84	1183	0.87	ug/l #	82
25) 2-Butanone	4.70	43	259	0.21	ug/l #	50
29) Tetrahydrofuran	5.17	42	222	0.29	ug/l #	34
31) Cyclohexane	5.67	56	2874	2.01	ug/l #	53
36) 1,1-Dichloropropene	5.67	75	7523	5.60	ug/l #	54
38) Carbon Tetrachloride	5.67	117	9441	7.30	ug/l #	16
43) Isopropyl Acetate	6.49	43	865	0.29	ug/l #	86
54) cis-1,3-Dichloropropene	8.98	75	19	4.18	ug/l #	1
56) Ethyl methacrylate	9.40	69	22	4.33	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.34	63	34	15.58	ug/l #	49
60) Dibromochloromethane	9.34	129	31	4.53	ug/l #	11
74) N-amyl acetate	6.49	43	865	0.35	ug/l #	93
76) 1,2,3-Trichloropropane	11.15	75	39635	24.04	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.15	75	39635	86.19	ug/l #	7
95) Naphthalene	13.84	128	2137	0.38	ug/l #	95

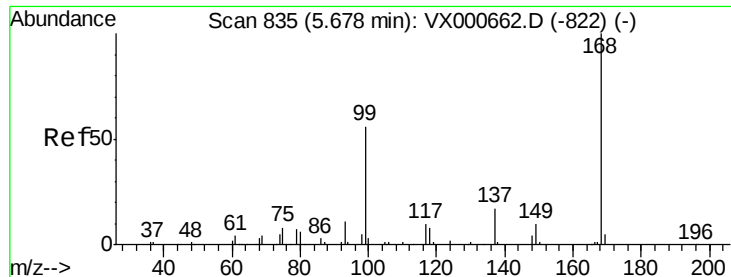
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 05 03:34:50 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Instrument :

MSVOA_X

ClientSampled :

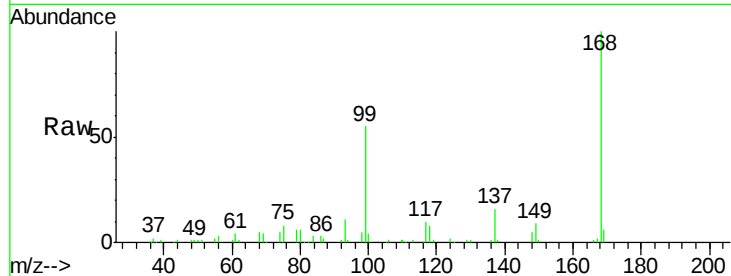
SP-1-A

Tgt Ion:168 Resp: 85146

Ion Ratio Lower Upper

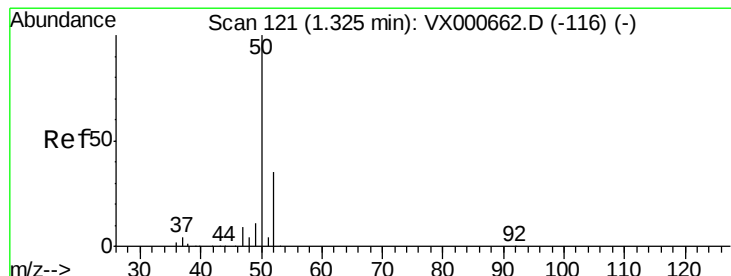
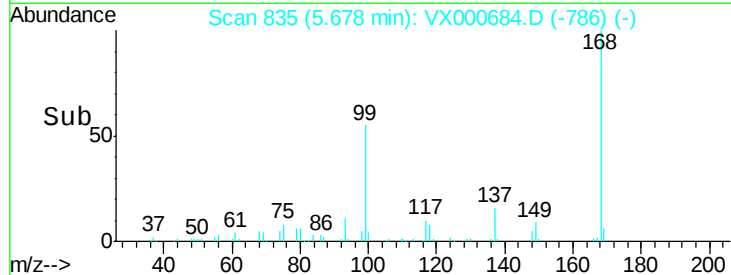
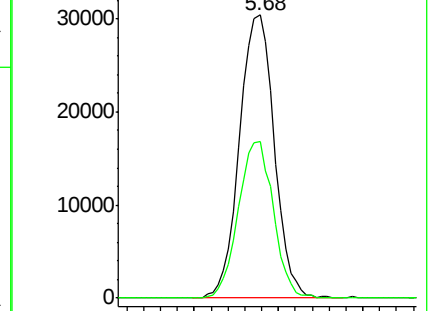
168 100

99 55.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000684.D

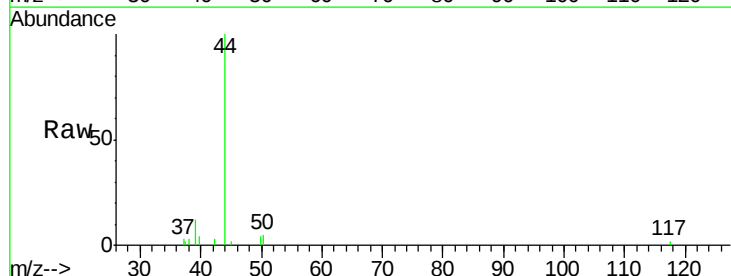
Acq: 05 Apr 2018 03:14

Tgt Ion: 50 Resp: 244

Ion Ratio Lower Upper

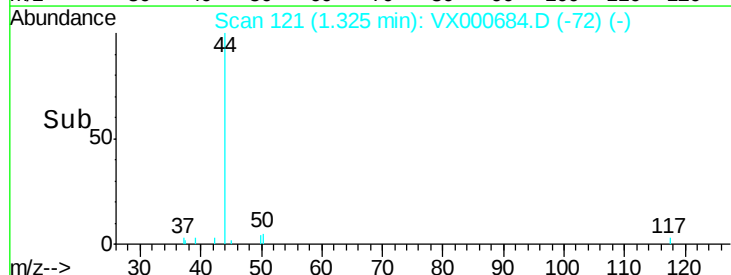
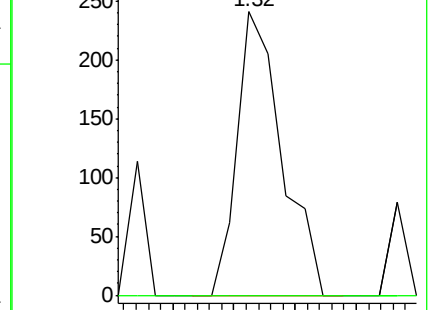
50 100

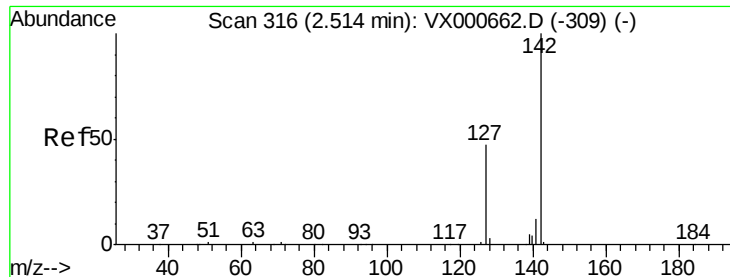
52 0.0 28.0 42.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

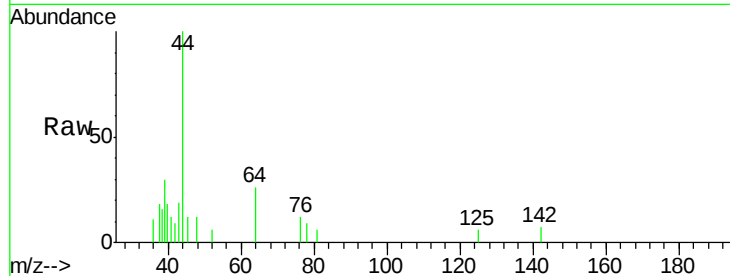




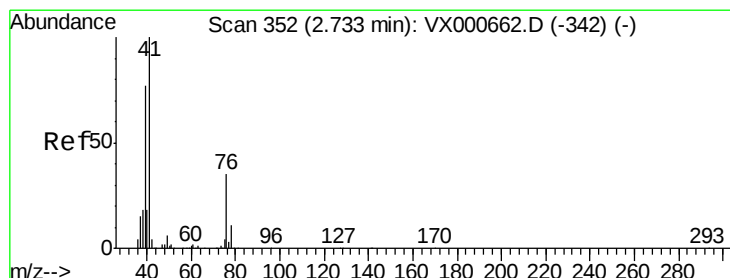
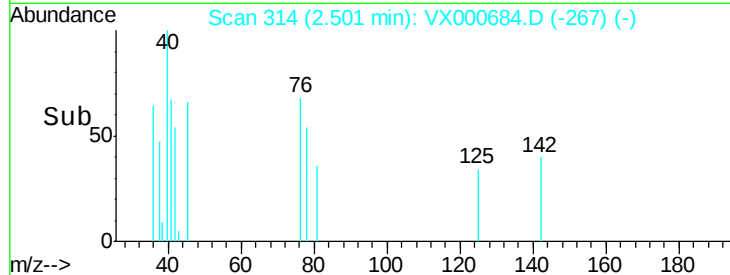
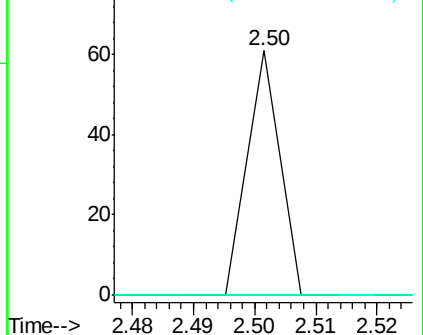
#10
Methyl Iodide
Concen: 9.36 ug/l
RT: 2.50 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX000684.D
Acq: 05 Apr 2018 03:14

Instrument :
MSVOA_X
ClientSampleId :
SP-1-A

Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	40.7	61.1#
141	0.0	11.1	16.7#

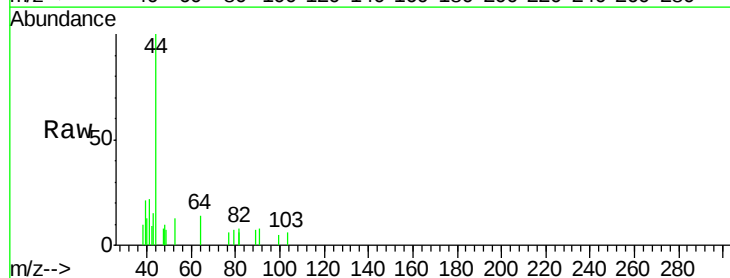


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

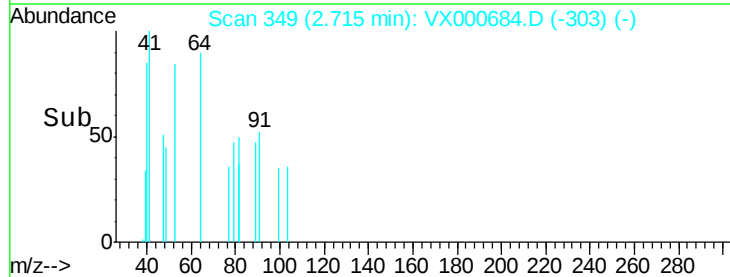
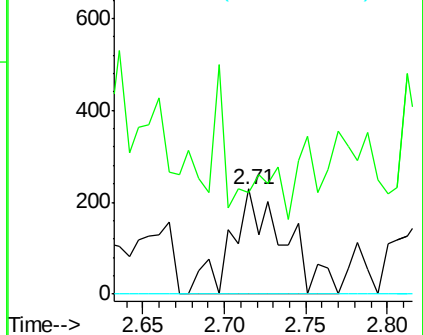


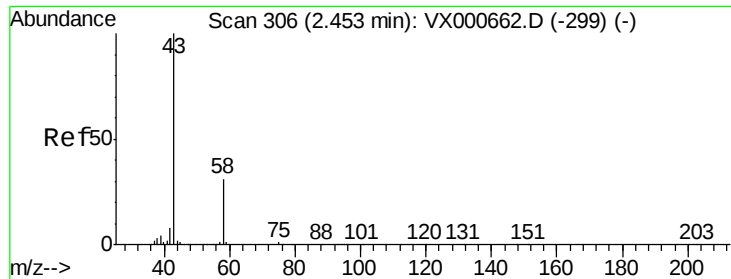
#14
Allyl chloride
Concen: 0.22 ug/l
RT: 2.71 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX000684.D
Acq: 05 Apr 2018 03:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	18.2	57.0	85.6#
76	0.0	23.9	35.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 7.63 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Instrument :

MSVOA_X

ClientSampled :

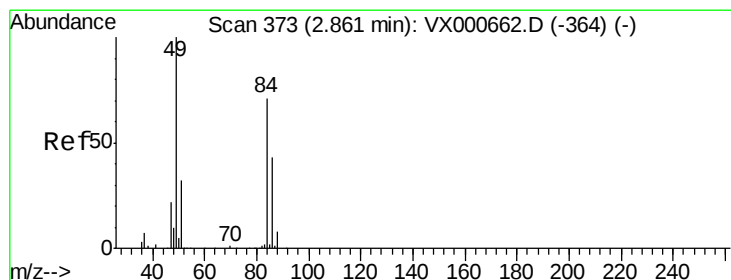
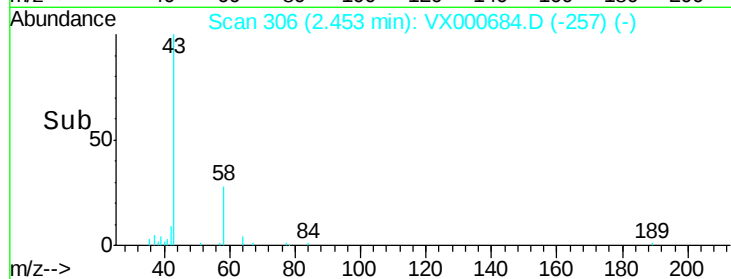
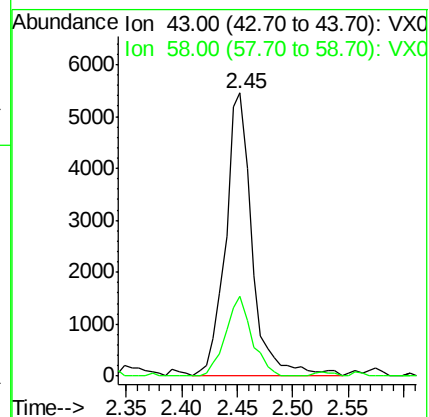
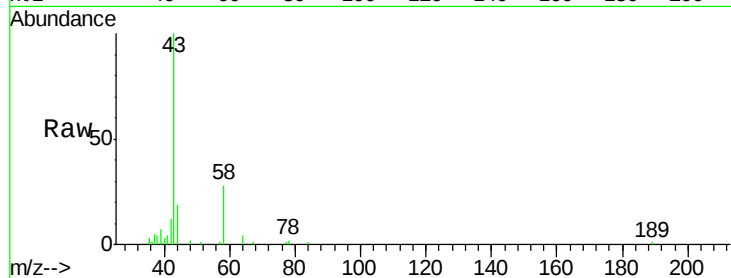
SP-1-A

Tgt Ion: 43 Resp: 9077

Ion Ratio Lower Upper

43 100

58 28.2 24.7 37.1



#20

Methylene Chloride

Concen: 0.87 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Tgt Ion: 84 Resp: 1183

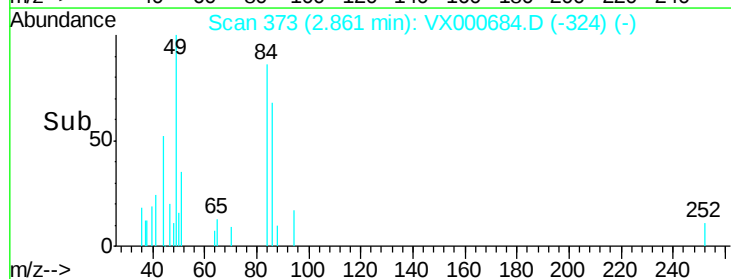
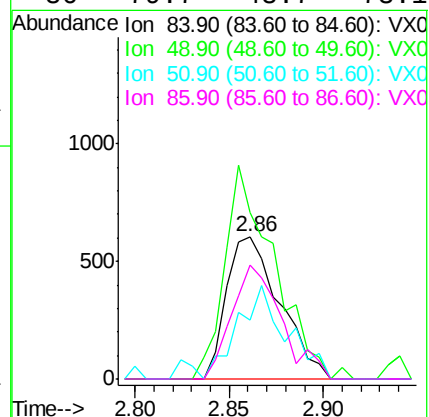
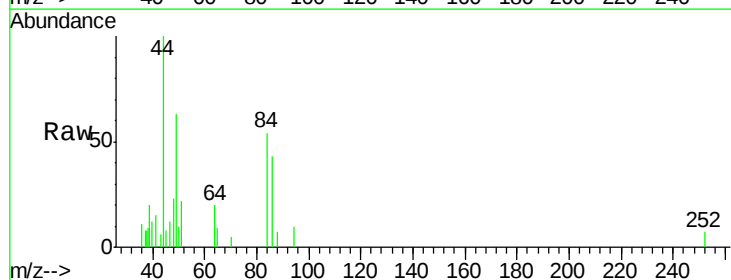
Ion Ratio Lower Upper

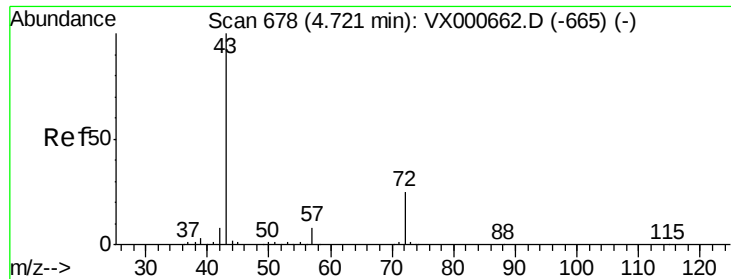
84 100

49 116.9 112.1 168.1

51 41.3 35.4 53.0

86 79.7 48.7 73.1#





#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.02 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Instrument :

MSVOA_X

ClientSampled :

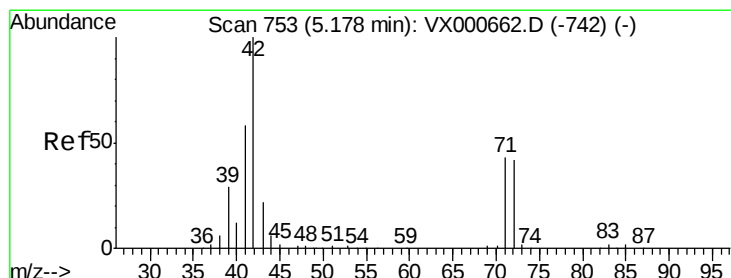
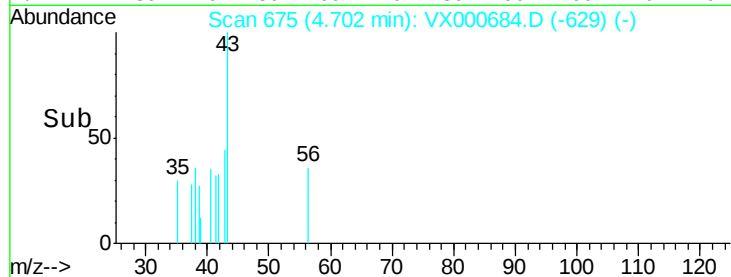
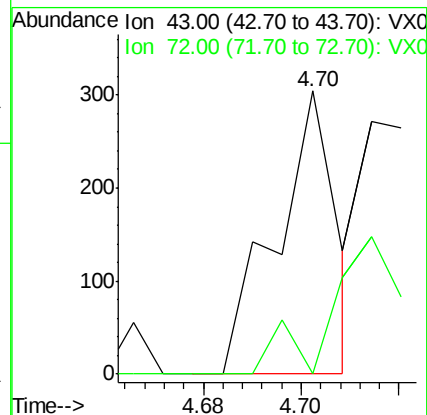
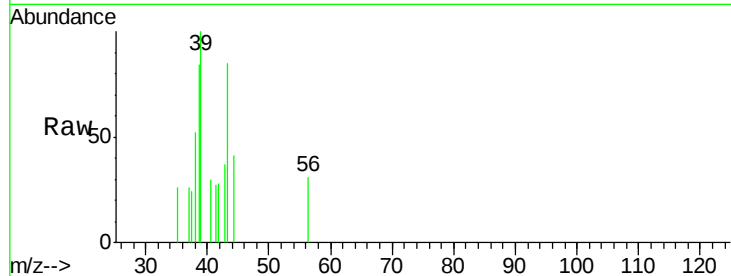
SP-1-A

Tgt Ion: 43 Resp: 259

Ion Ratio Lower Upper

43 100

72 0.0 20.0 30.0#



#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

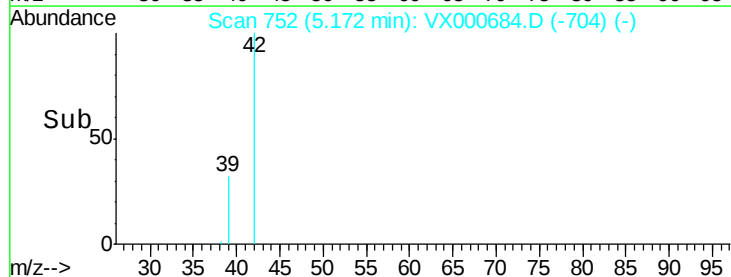
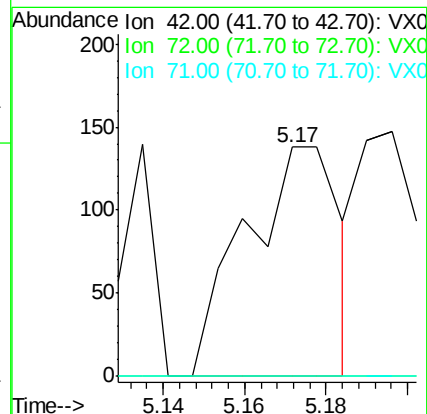
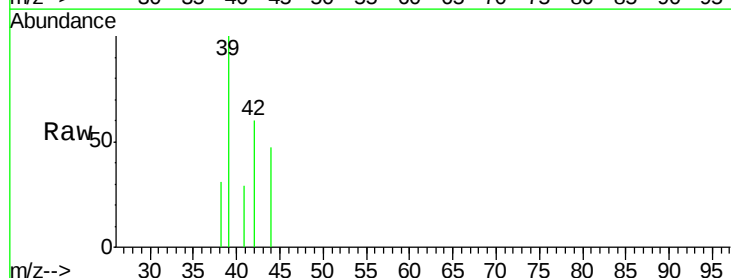
Tgt Ion: 42 Resp: 222

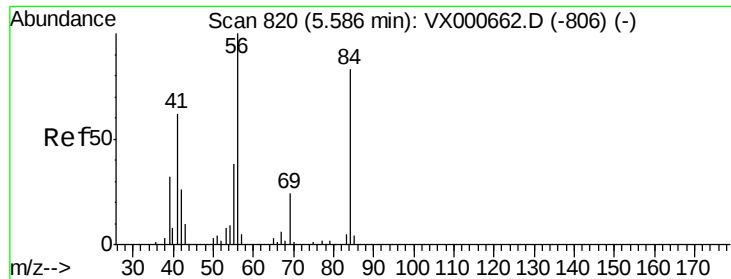
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 0.0 32.2 48.2#

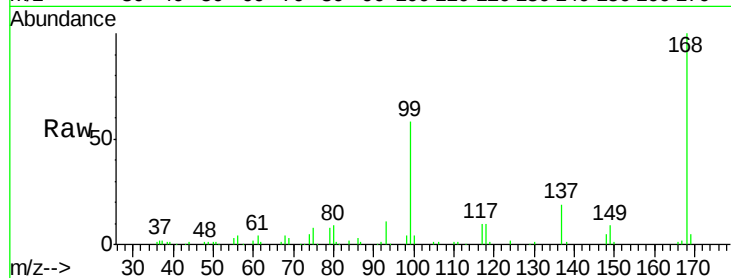




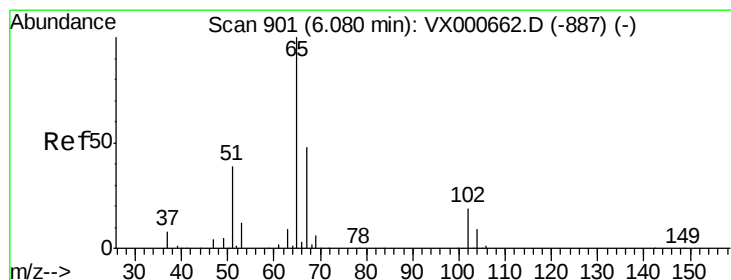
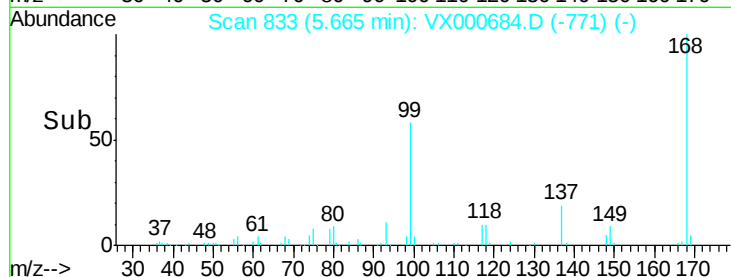
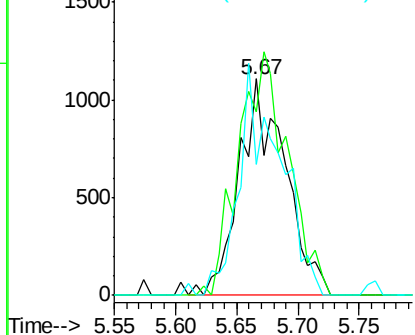
#31
Cyclohexane
Concen: 2.01 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000684.D
Acq: 05 Apr 2018 03:14

Instrument :
MSVOA_X
ClientSampleId :
SP-1-A

Tgt Ion: 56 Resp: 2874
Ion Ratio Lower Upper
56 100
69 84.7 19.4 29.0#
84 60.6 66.8 100.2#

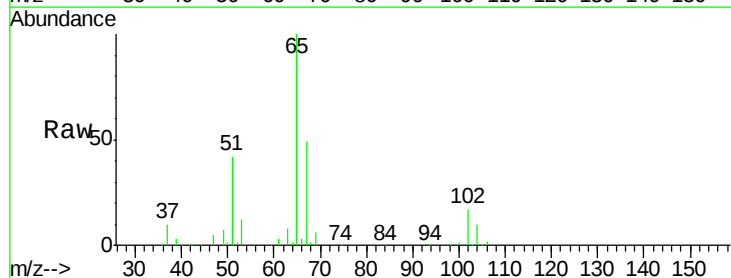


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

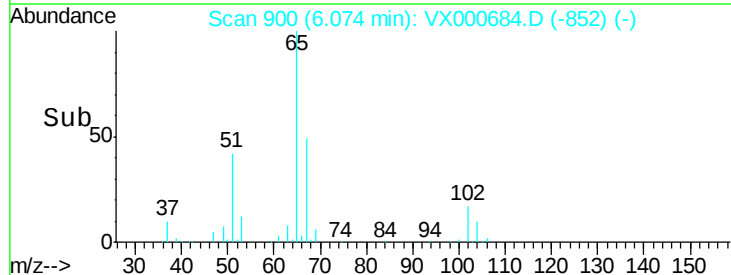
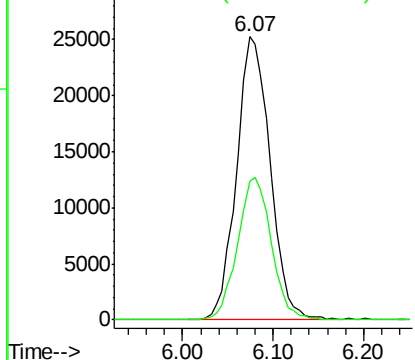


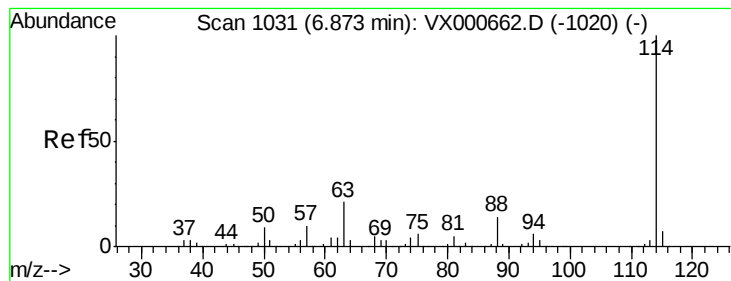
#33
1,2-Dichloroethane-d4
Concen: 44.75 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX000684.D
Acq: 05 Apr 2018 03:14

Tgt Ion: 65 Resp: 64740
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.8



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. -0.00 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

SP-1-A

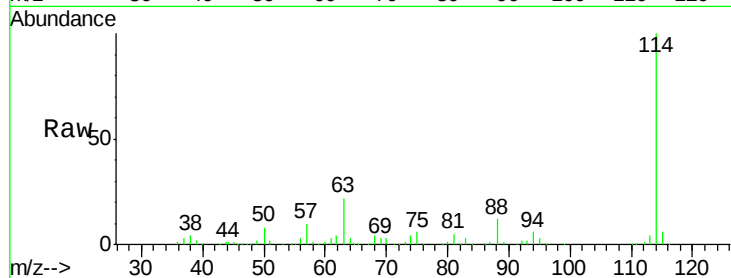
Tgt Ion:114 Resp: 144896

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.6

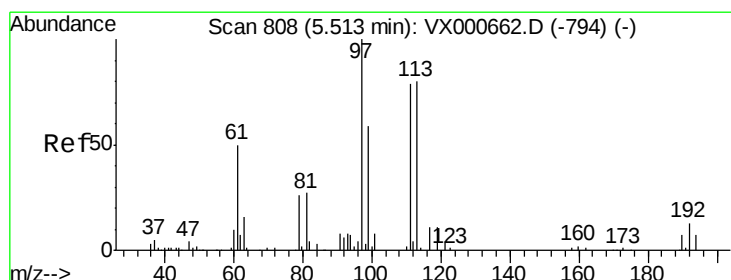
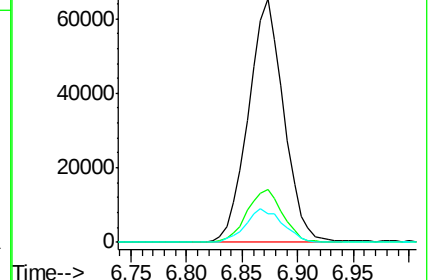
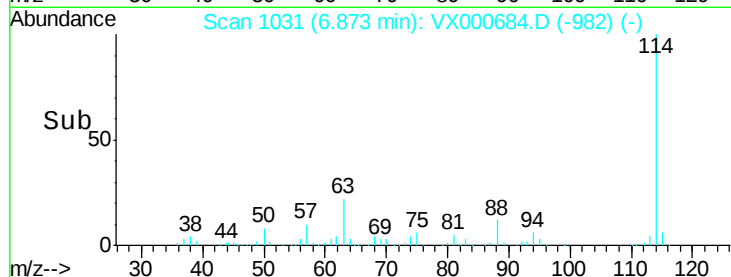
88 11.8 0.0 28.6



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: 47.95 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

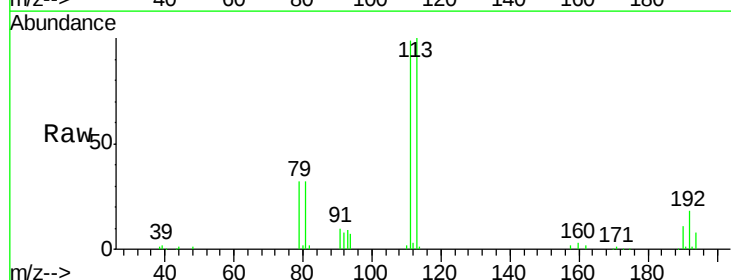
Tgt Ion:113 Resp: 47427

Ion Ratio Lower Upper

113 100

111 101.1 82.0 123.0

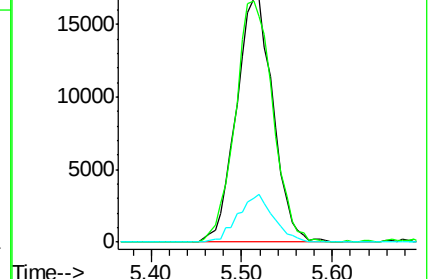
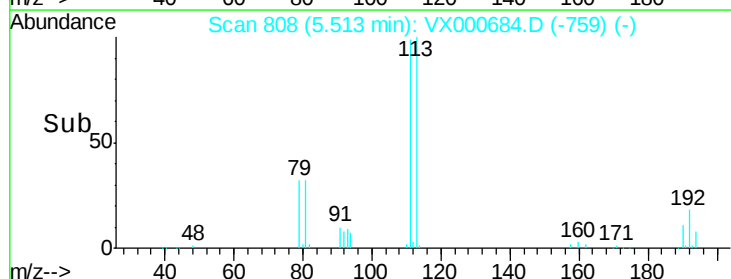
192 18.6 14.3 21.5

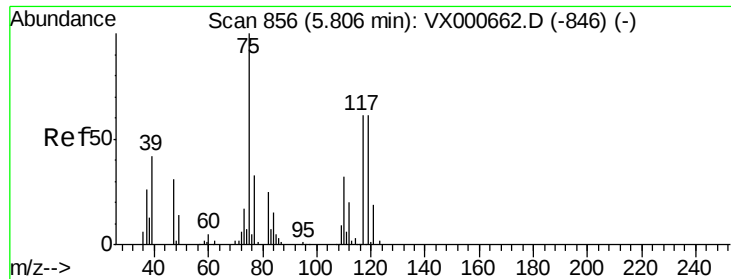


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

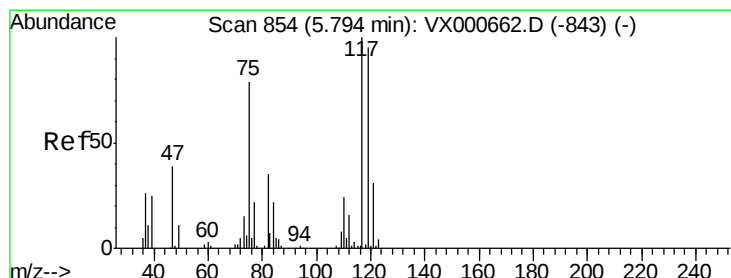
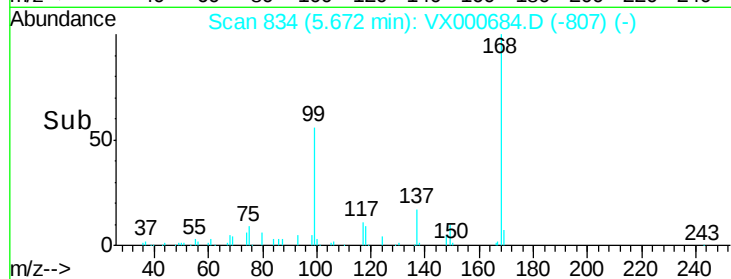
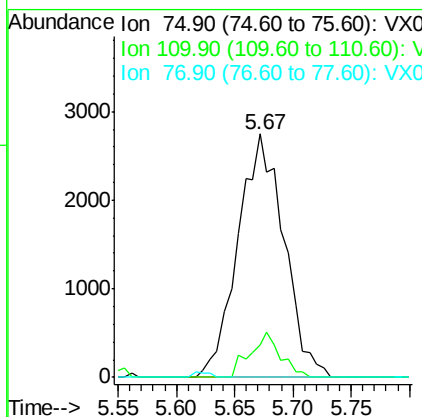
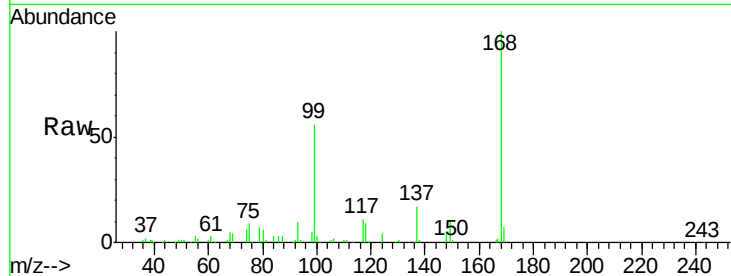




#36
 1,1-Dichloropropene
 Concen: 5.60 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000684.D
 Acq: 05 Apr 2018 03:14

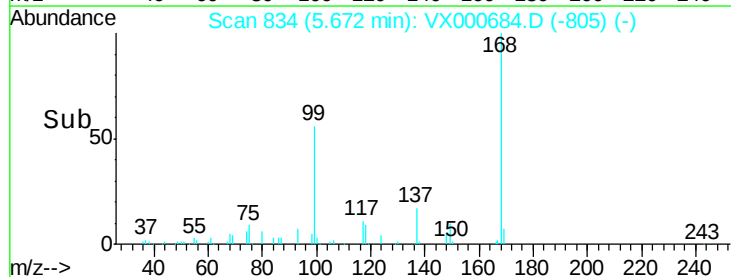
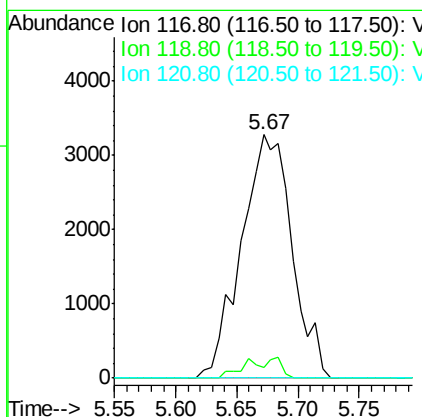
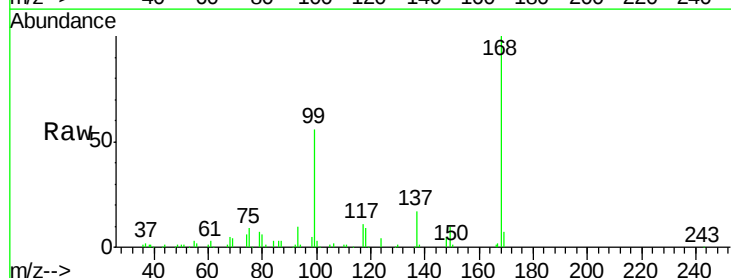
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-1-A

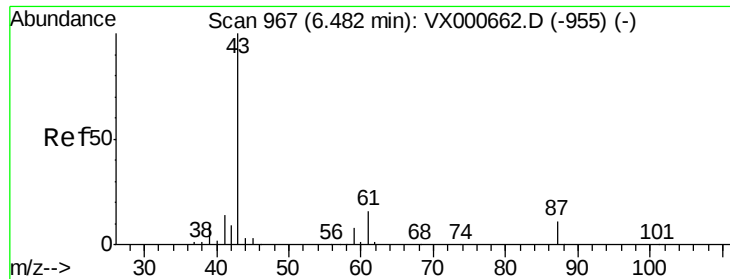
Tgt Ion: 75 Resp: 7523
 Ion Ratio Lower Upper
 75 100
 110 12.2 16.3 48.9#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.30 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000684.D
 Acq: 05 Apr 2018 03:14

Tgt Ion: 117 Resp: 9441
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.1 114.1#
 121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.29 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

SP-1-A

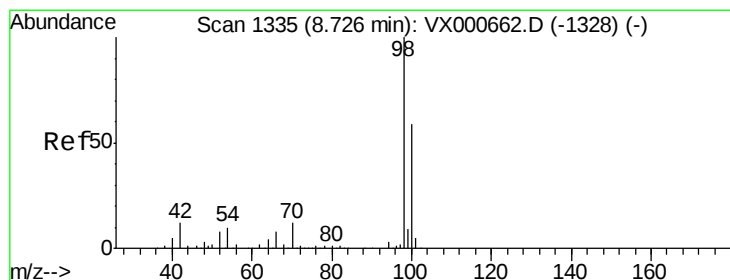
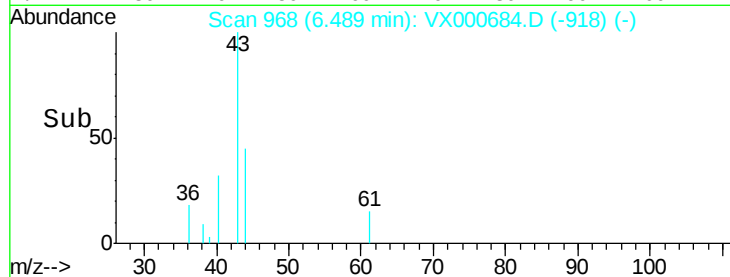
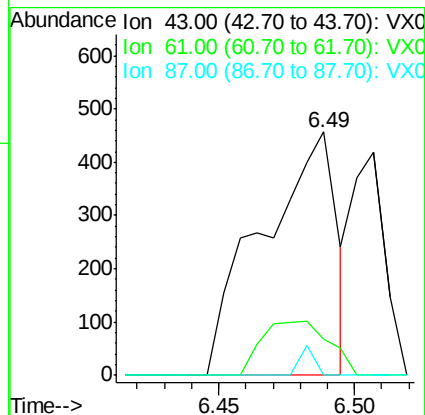
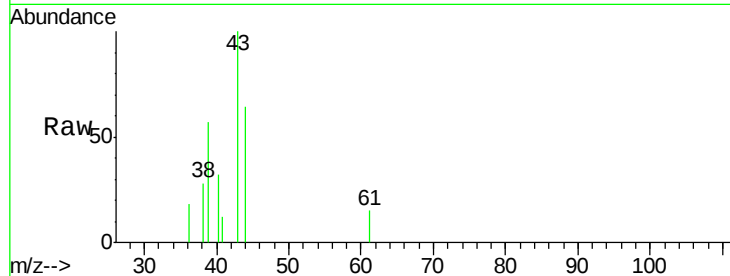
Tgt Ion: 43 Resp: 865

Ion Ratio Lower Upper

43 100

61 20.0 13.4 20.2

87 2.4 9.4 14.0#



#50

Toluene-d8

Concen: 44.20 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000684.D

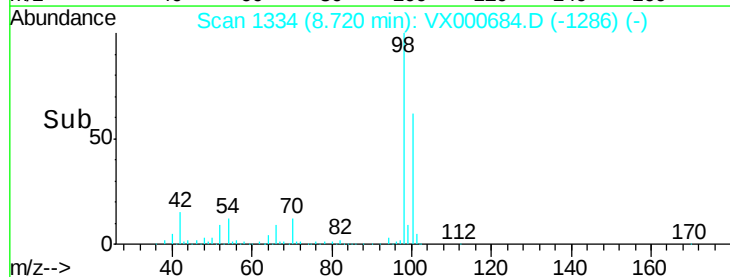
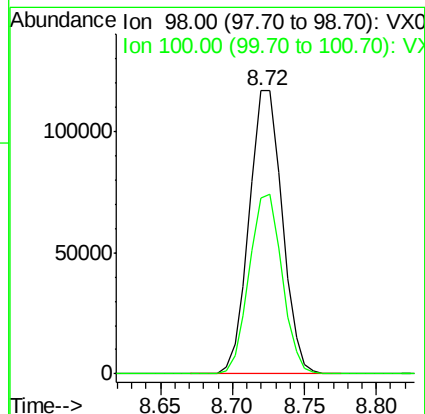
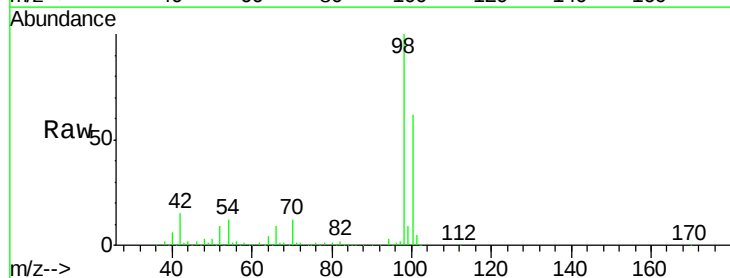
Acq: 05 Apr 2018 03:14

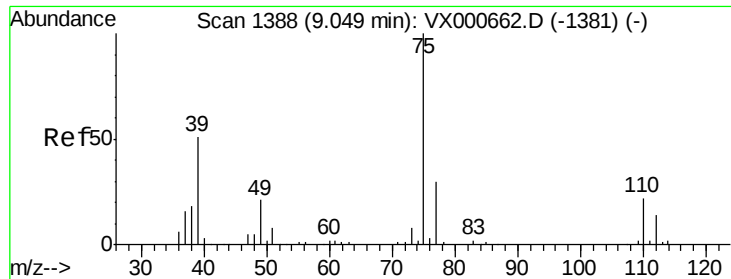
Tgt Ion: 98 Resp: 185896

Ion Ratio Lower Upper

98 100

100 62.7 51.0 76.6

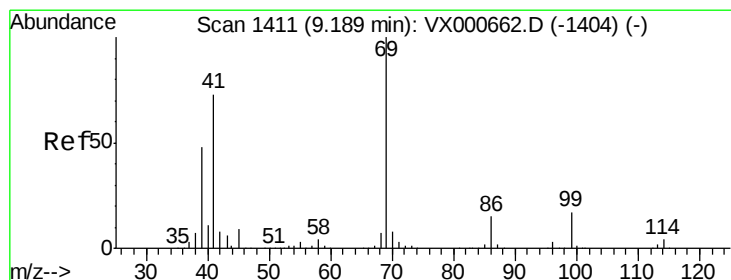
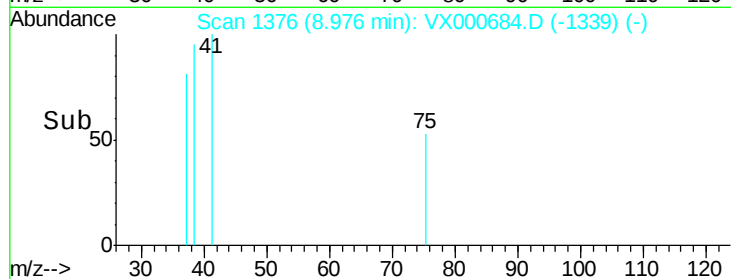
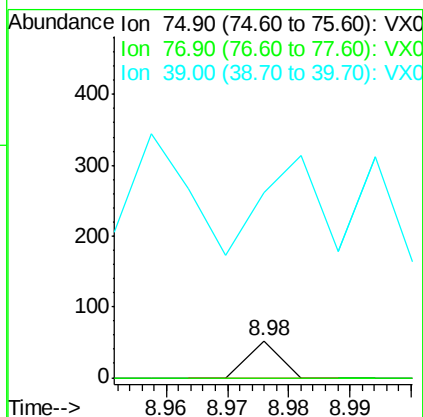
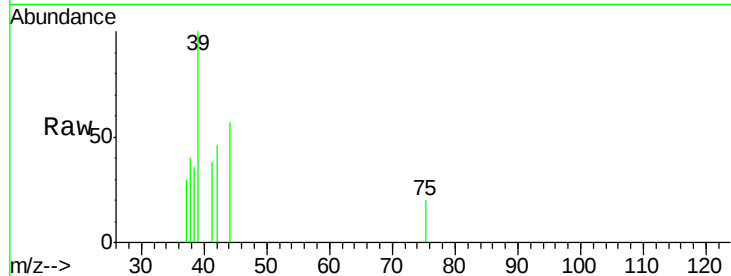




#54
 cis-1,3-Dichloropropene
 Concen: 4.18 ug/l
 RT: 8.98 min Scan# 1376
 Delta R.T. -0.07 min
 Lab File: VX000684.D
 Acq: 05 Apr 2018 03:14

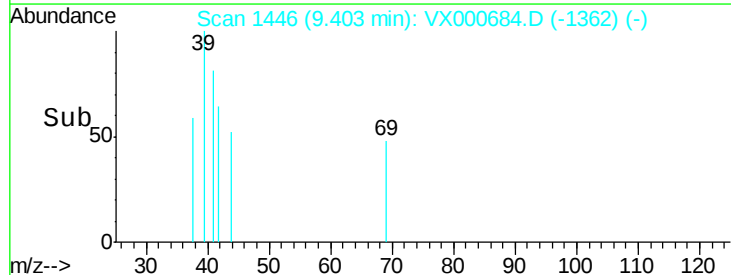
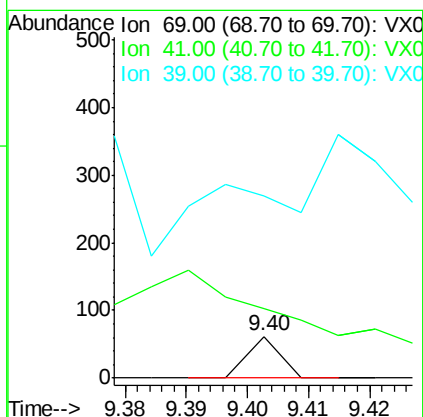
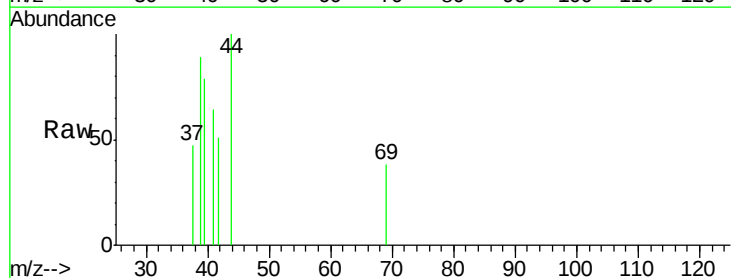
Instrument :
 MSVOA_X
 ClientSampled :
 SP-1-A

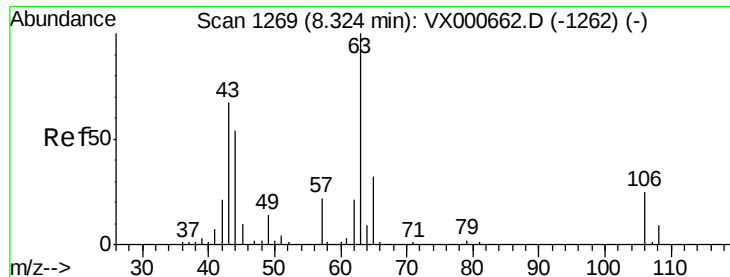
Tgt Ion: 75 Resp: 19
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.1 36.1#
 39 157.7 40.7 61.1#



#56
 Ethyl methacrylate
 Concen: 4.33 ug/l
 RT: 9.40 min Scan# 1446
 Delta R.T. 0.21 min
 Lab File: VX000684.D
 Acq: 05 Apr 2018 03:14

Tgt Ion: 69 Resp: 22
 Ion Ratio Lower Upper
 69 100
 41 0.0 56.5 84.7#
 39 790.9 39.8 59.8#





#58

2-Chloroethyl Vinyl ether

Concen: 15.58 ug/l

RT: 8.34 min Scan# 1272

Delta R.T. 0.02 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Instrument :

MSVOA_X

ClientSampled :

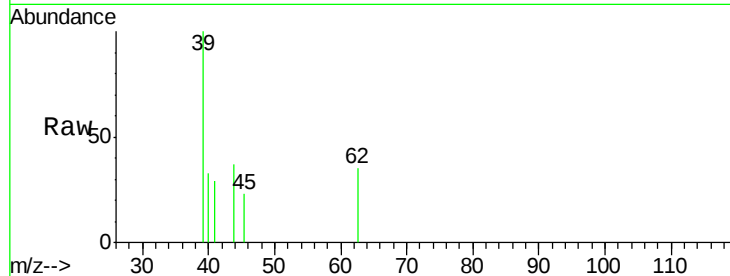
SP-1-A

Tgt Ion: 63 Resp: 34

Ion Ratio Lower Upper

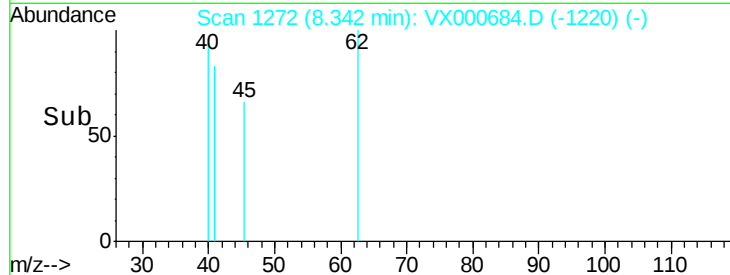
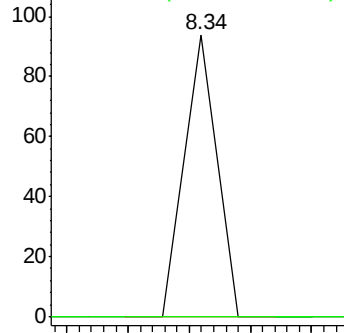
63 100

106 0.0 20.5 30.7#

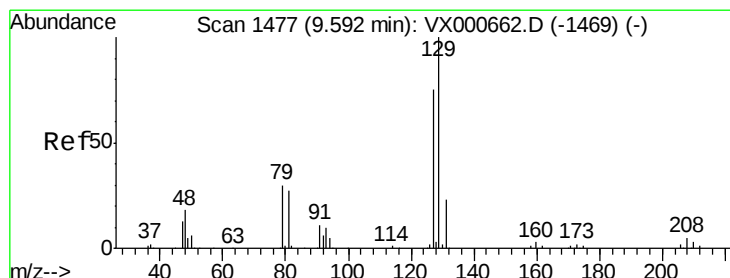


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time--> 8.32 8.33 8.34 8.35 8.36



#60

Dibromochloromethane

Concen: 4.53 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX000684.D

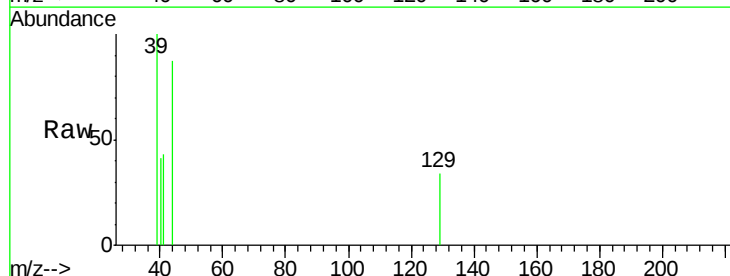
Acq: 05 Apr 2018 03:14

Tgt Ion: 129 Resp: 31

Ion Ratio Lower Upper

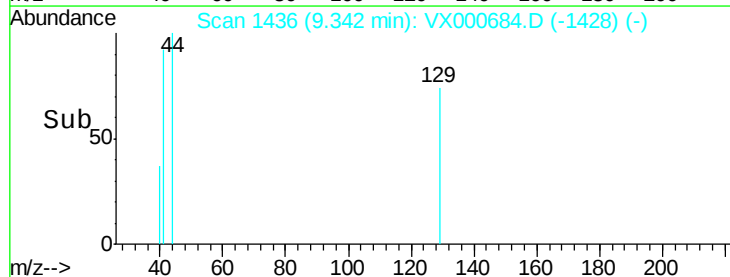
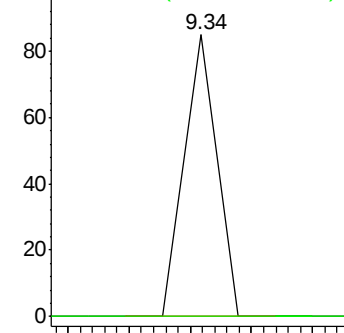
129 100

127 0.0 38.7 116.1#

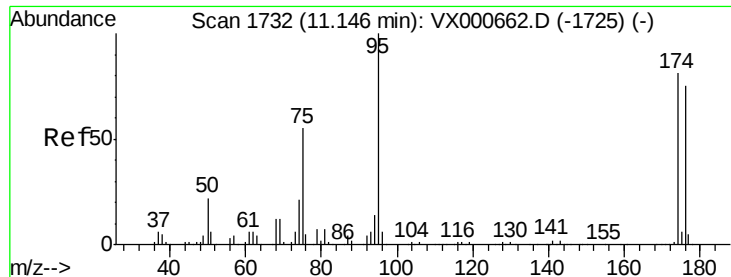


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



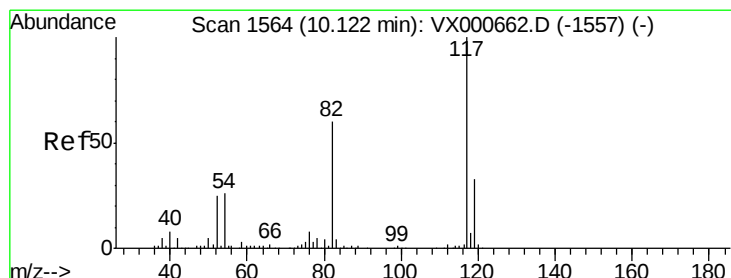
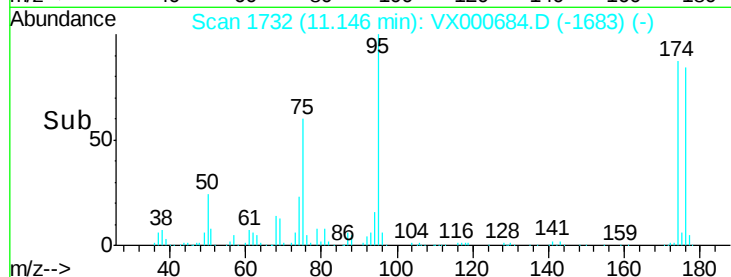
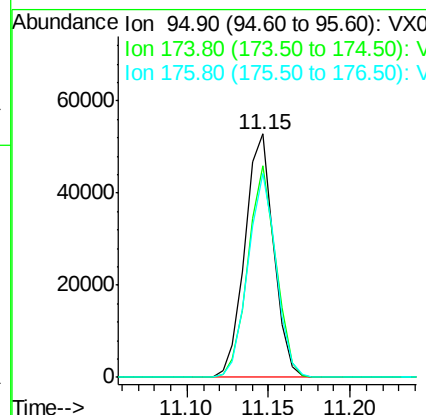
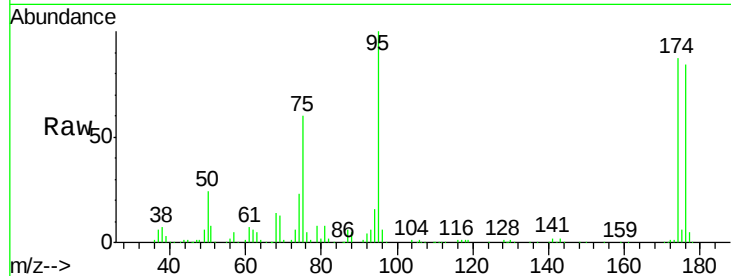
Time--> 9.32 9.33 9.34 9.35 9.36



#62
4-Bromofluorobenzene
Concen: 39.04 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000684.D
Acq: 05 Apr 2018 03:14

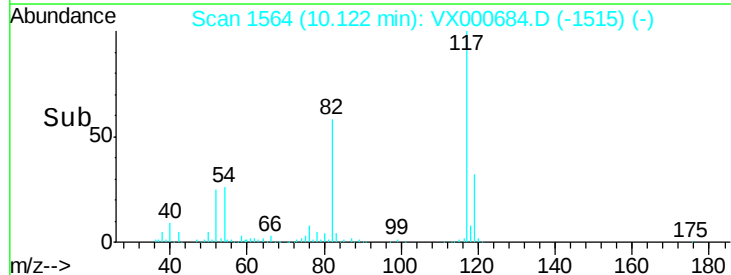
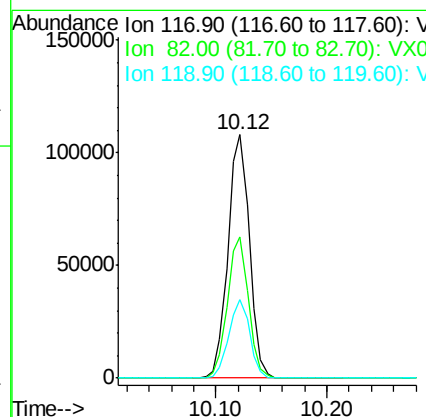
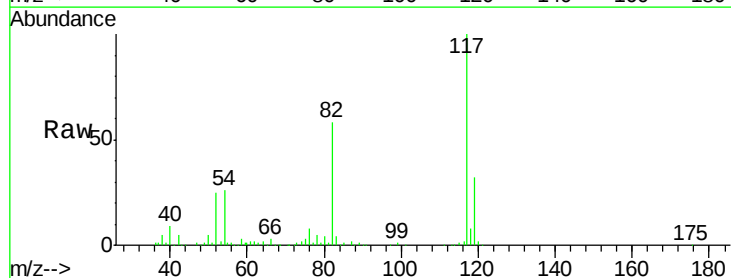
Instrument :
MSVOA_X
ClientSampleId :
SP-1-A

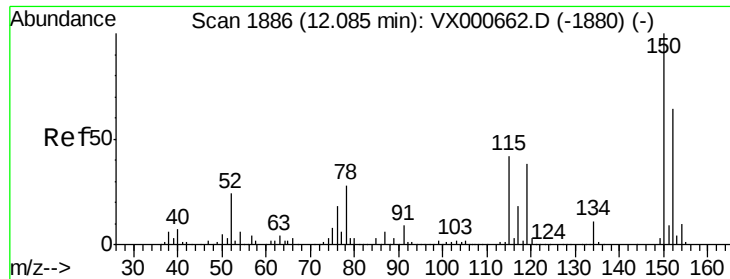
Tgt Ion: 95 Resp: 64990
Ion Ratio Lower Upper
95 100
174 84.9 0.0 156.8
176 82.2 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000684.D
Acq: 05 Apr 2018 03:14

Tgt Ion: 117 Resp: 143704
Ion Ratio Lower Upper
117 100
82 58.0 48.3 72.5
119 32.1 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Instrument :

MSVOA_X

ClientSampled :

SP-1-A

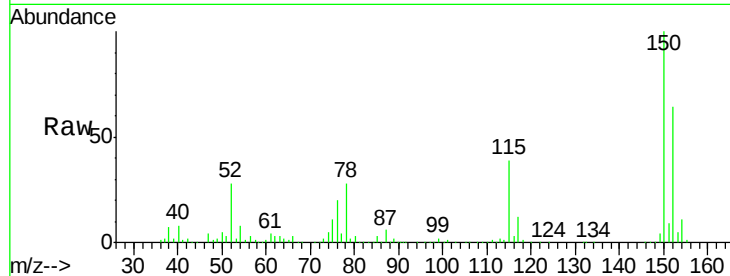
Tgt Ion:152 Resp: 75602

Ion Ratio Lower Upper

152 100

115 58.2 41.9 125.8

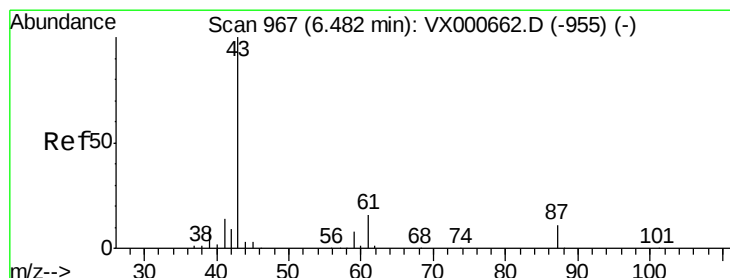
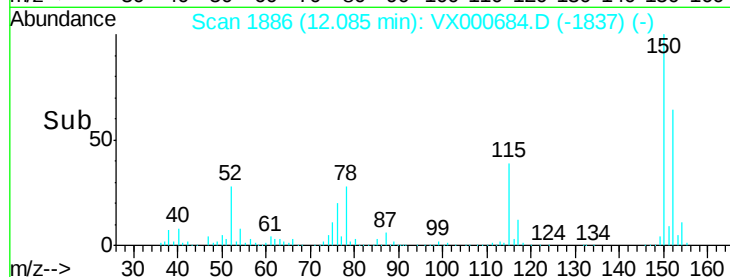
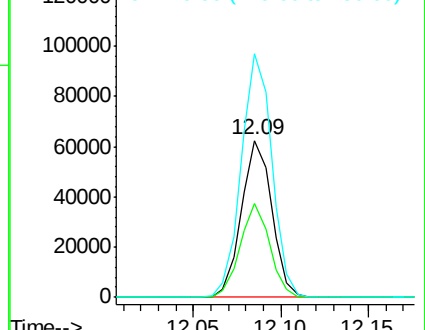
150 156.1 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.35 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Tgt Ion: 43 Resp: 865

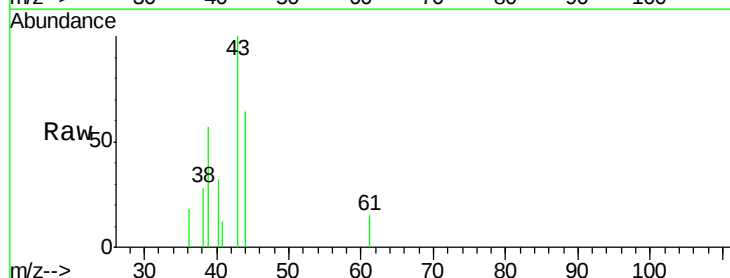
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.0 13.4 20.2

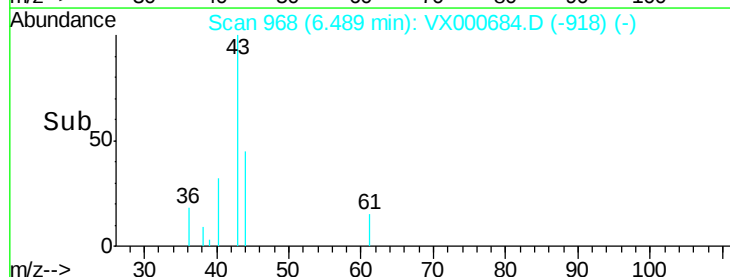
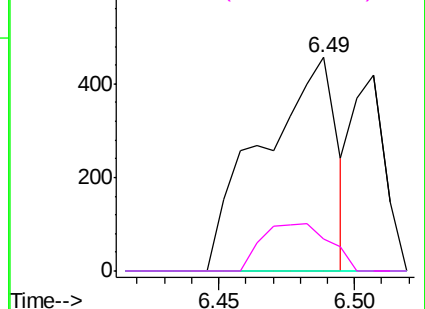


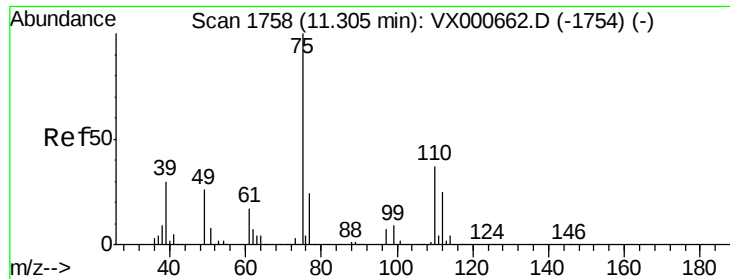
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.04 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

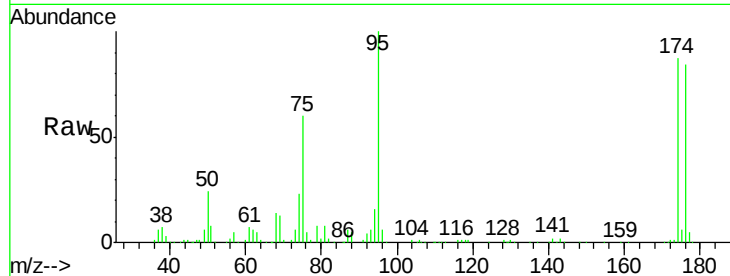
SP-1-A

Tgt Ion: 75 Resp: 39635

Ion Ratio Lower Upper

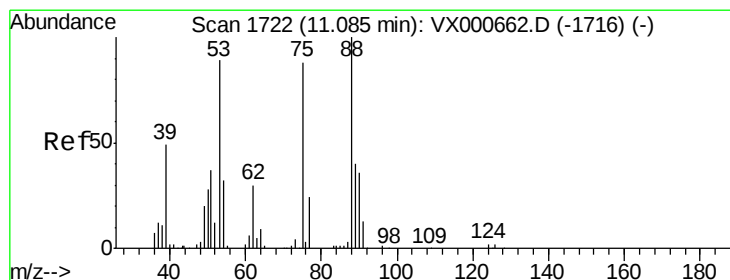
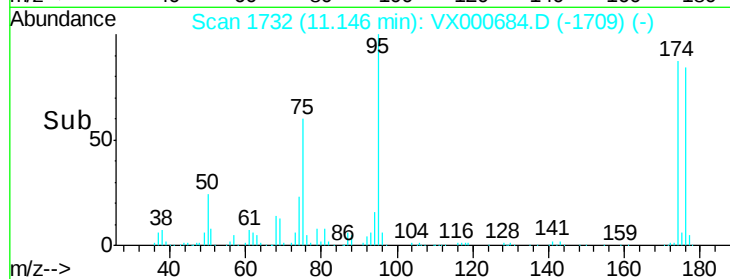
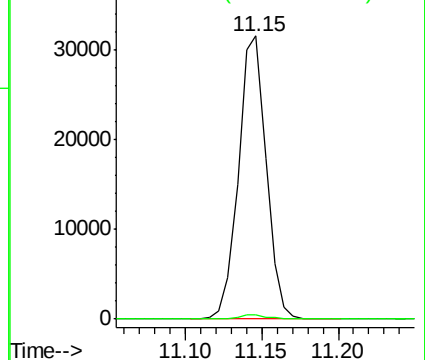
75 100

77 1.6 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 86.19 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000684.D

Acq: 05 Apr 2018 03:14

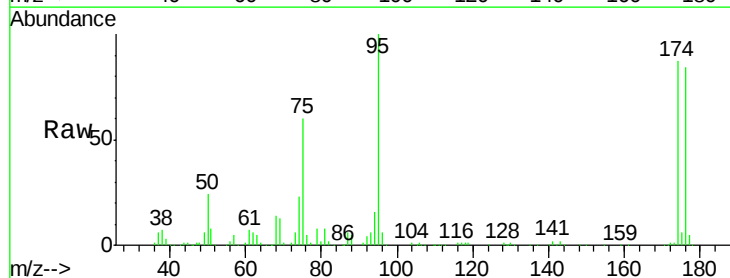
Tgt Ion: 75 Resp: 39635

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

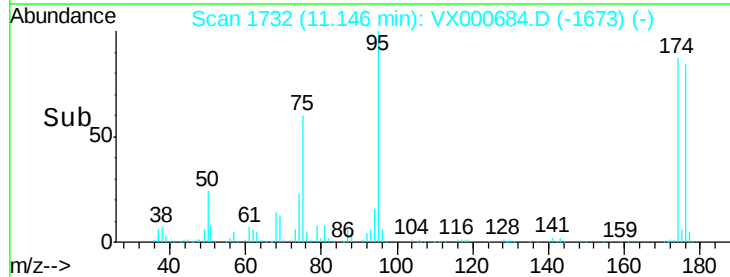
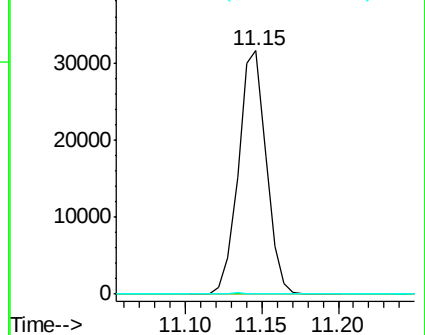
89 0.1 36.3 54.5#

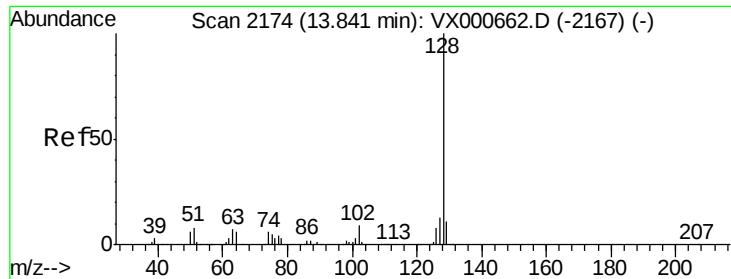


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.38 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000684.D
Acq: 05 Apr 2018 03:14

Instrument :
MSVOA_X
ClientSampleId :
SP-1-A

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.2	10.6	16.0#
129	11.7	8.9	13.3

