

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000449.D
 Acq On : 26 Mar 2018 18:46
 Operator : JC/MD
 Sample : J2052-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:55:04 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	5.67	168	102932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	186543	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	177506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	82158	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	78052	58.09	ug/l	0.00
Spiked Amount			Recovery	=	116.18%	
35) Dibromofluoromethane	5.51	113	60142	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
50) Toluene-d8	8.73	98	231909	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	11.15	95	73479	37.49	ug/l	0.00
Spiked Amount			Recovery	=	74.98%	

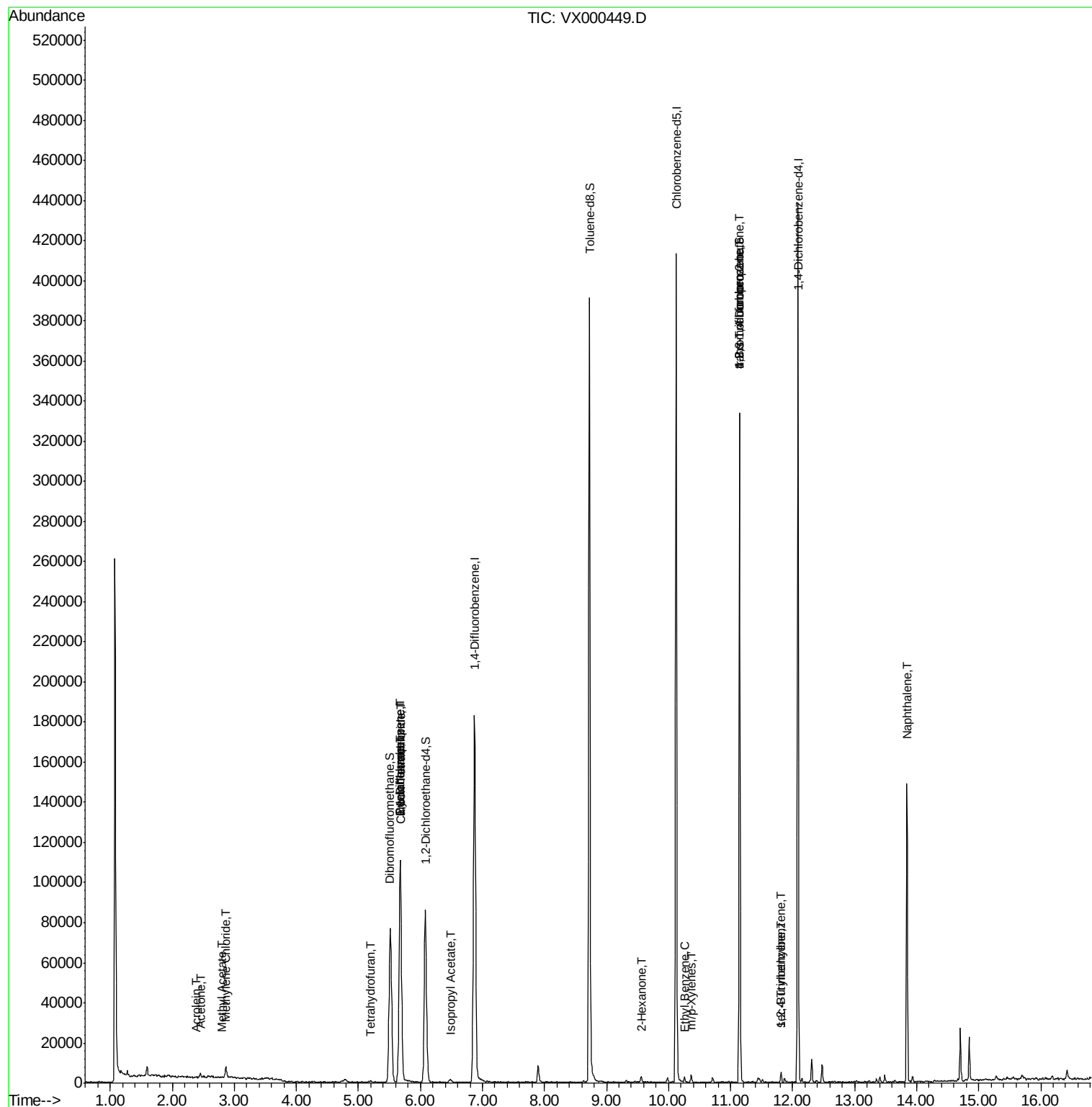
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	412	Below Cal	#	70
13) Acrolein	2.39	56	86	15.127	ug/l	90
14) Allyl chloride	2.71	41	44	Below Cal	#	1
16) Acetone	2.45	43	1939	1.735	ug/l	89
18) Methyl Acetate	2.79	43	609	0.260	ug/l #	51
20) Methylene Chloride	2.87	84	2060	1.596	ug/l #	89
29) Tetrahydrofuran	5.20	42	530	0.686	ug/l #	50
31) Cyclohexane	5.68	56	2774	1.636	ug/l #	57
36) 1,1-Dichloropropene	5.68	75	8251	4.722	ug/l #	49
38) Carbon Tetrachloride	5.68	117	10542	5.751	ug/l #	14
43) Isopropyl Acetate	6.48	43	1870	0.526	ug/l #	75
59) 2-Hexanone	9.56	43	518	0.222	ug/l #	30
67) Ethyl Benzene	10.26	91	1752	0.262	ug/l	94
68) m/p-Xylenes	10.37	106	1044	0.396	ug/l	80
74) N-amyl acetate	6.48	43	1870	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	43221	24.479	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	43221	79.251	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	2426	0.506	ug/l	98
85) sec-Butylbenzene	11.81	105	2426	0.425	ug/l #	56
95) Naphthalene	13.84	128	85508	12.738	ug/l	100

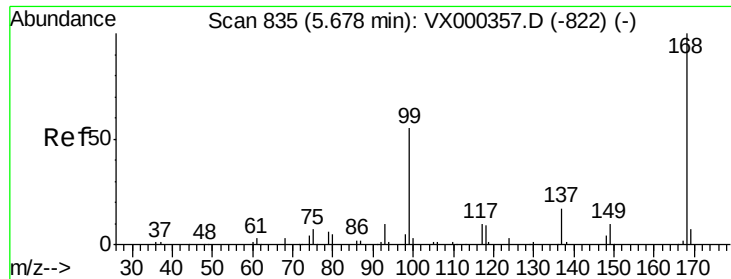
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

Instrument :

MSVOA_X

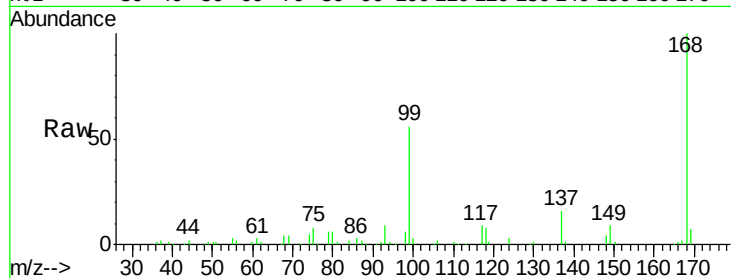
ClientSampleId :

Tot Ion:168 Resp: 102932

Ion Ratio Lower Upper

168 100

99 56.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

40000

30000

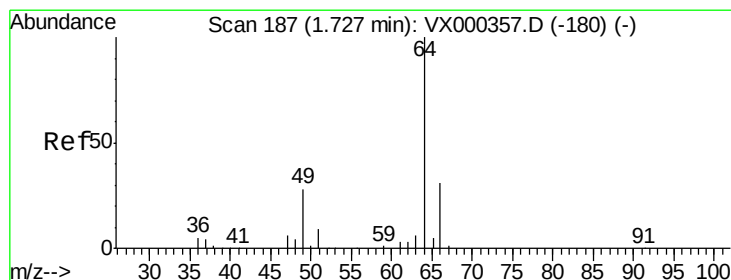
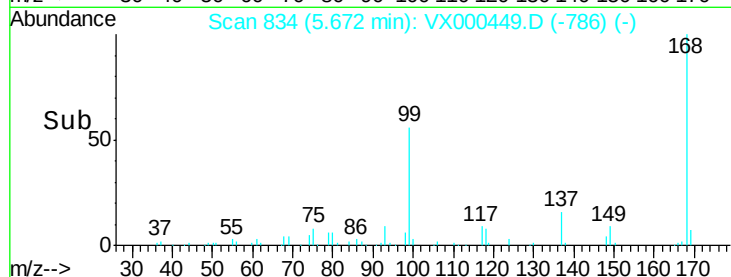
20000

10000

0

5.60 5.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000449.D

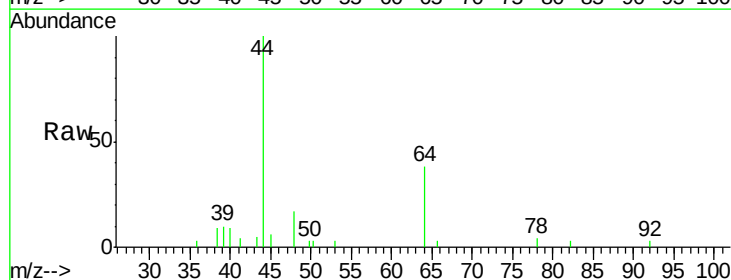
Acq: 26 Mar 2018 18:46

Tgt Ion: 64 Resp: 412

Ion Ratio Lower Upper

64 100

66 14.4 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

800

600

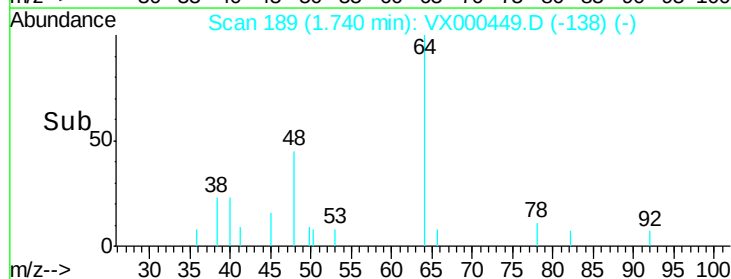
400

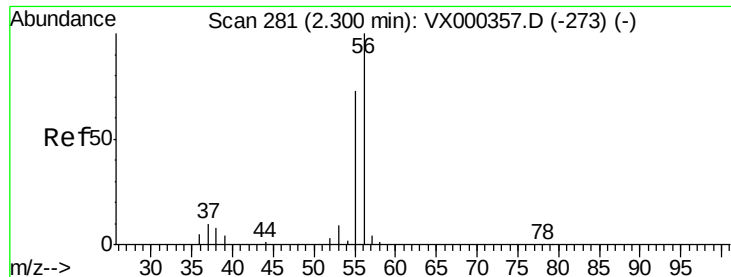
200

0

1.70 1.72 1.74

Time-->





#13

Acrolein

Concen: 15.127 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.09 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

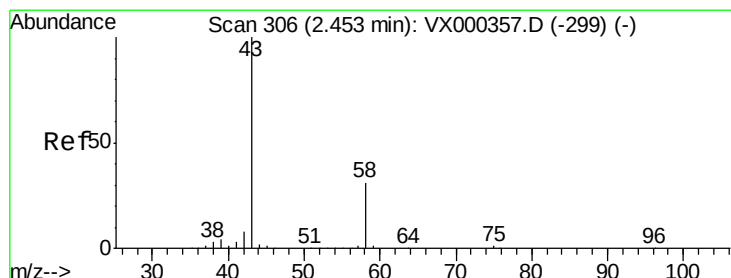
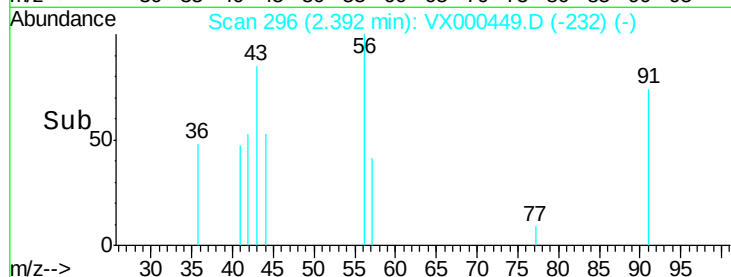
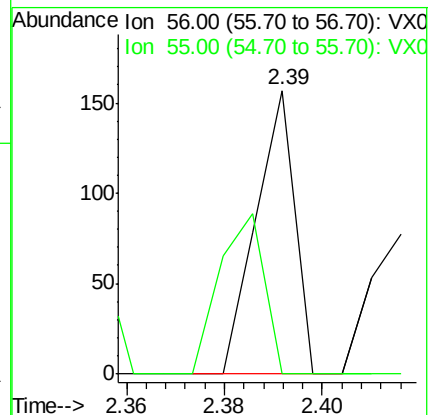
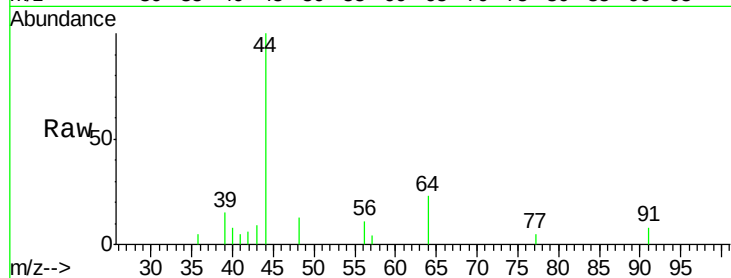
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 65.1 58.8 88.2



#16

Acetone

Concen: 1.735 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000449.D

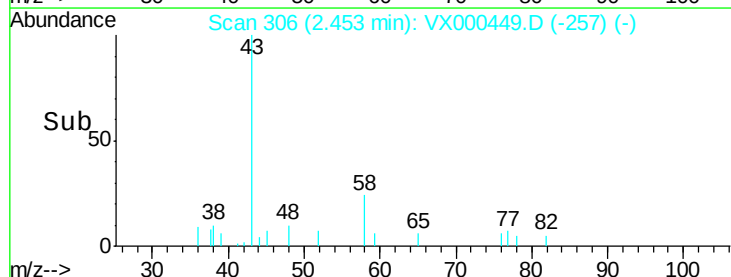
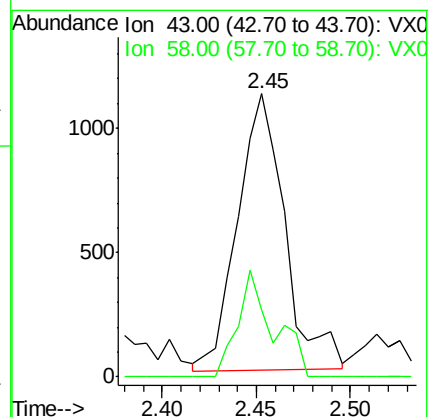
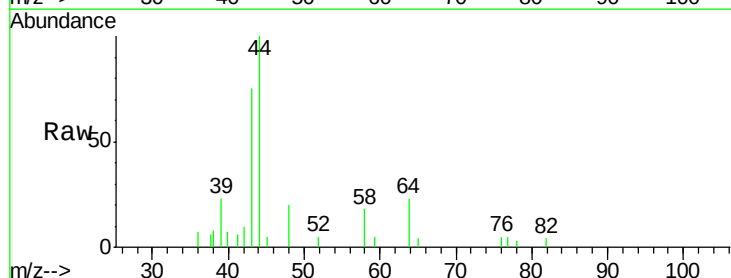
Acq: 26 Mar 2018 18:46

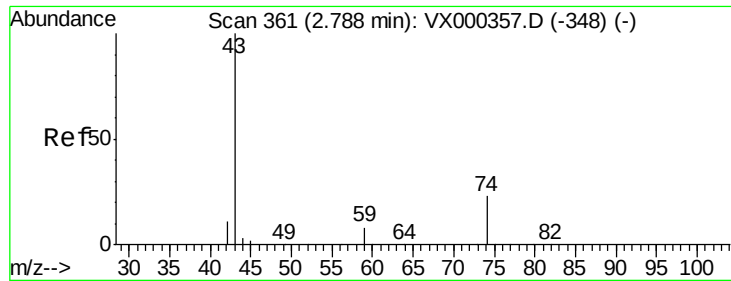
Tgt Ion: 43 Resp: 1939

Ion Ratio Lower Upper

43 100

58 24.8 24.7 37.1

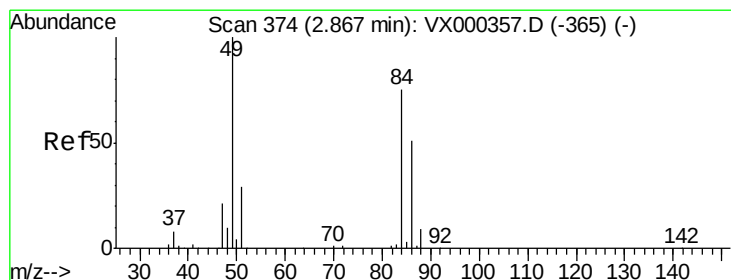
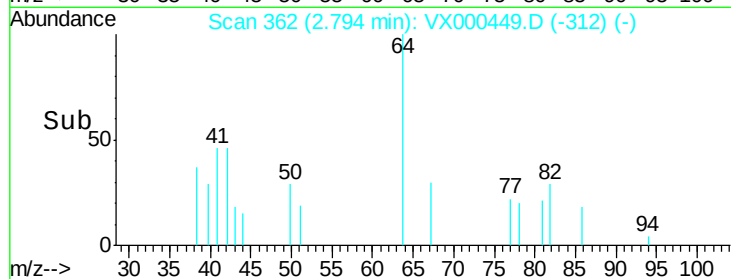
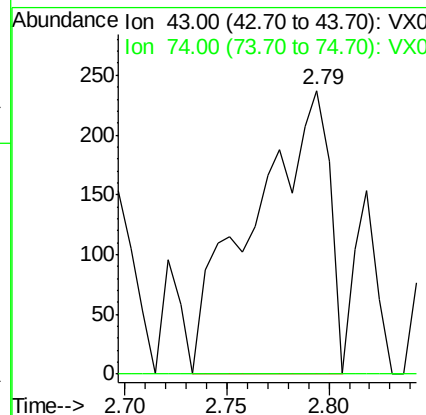
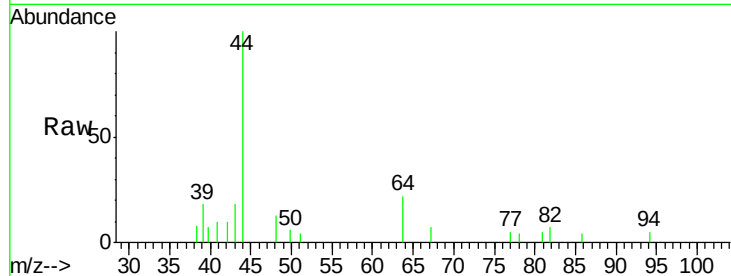




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

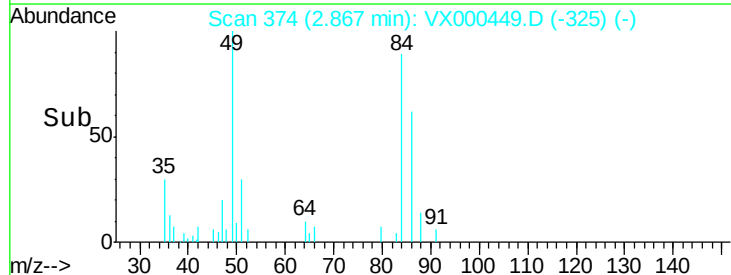
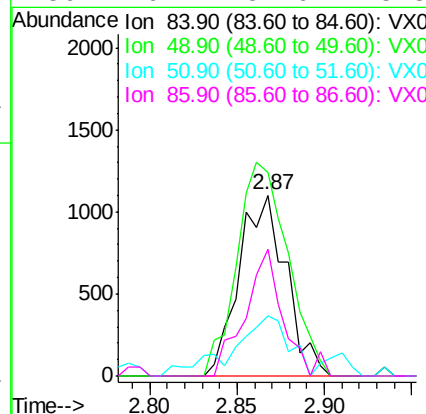
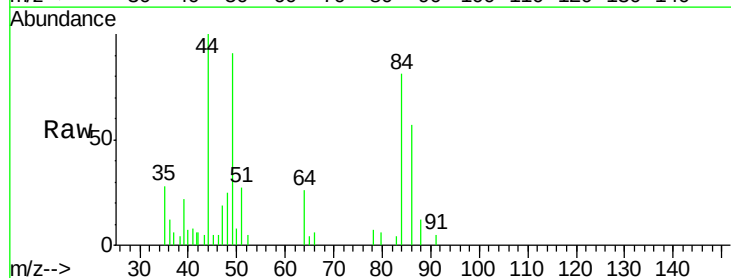
Instrument :
MSVOA_X
ClientSampled :

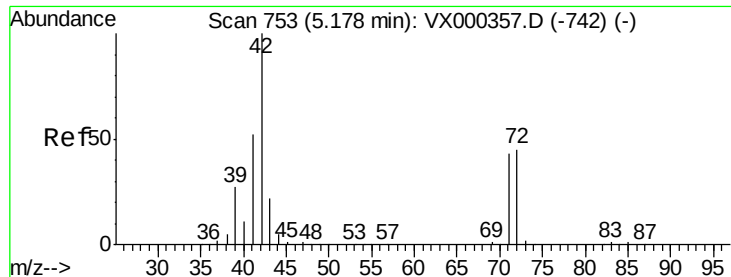
Tot Ion: 43 Resp: 609
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 1.596 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

Tgt Ion: 84 Resp: 2060
Ion Ratio Lower Upper
84 100
49 113.0 100.6 151.0
51 28.7 31.6 47.4#
86 70.2 52.6 78.8

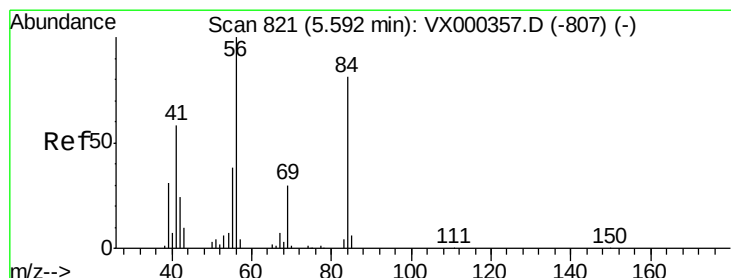
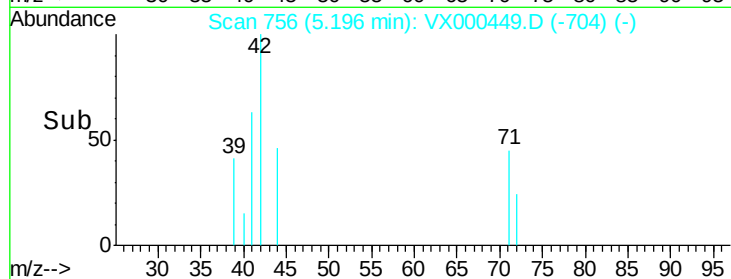
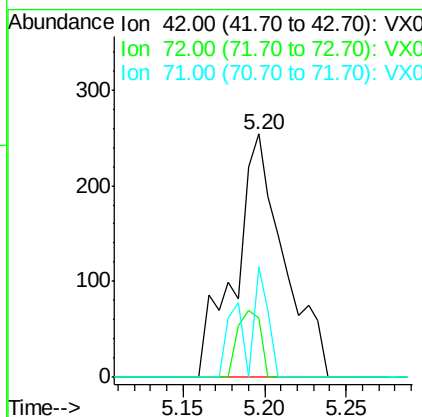
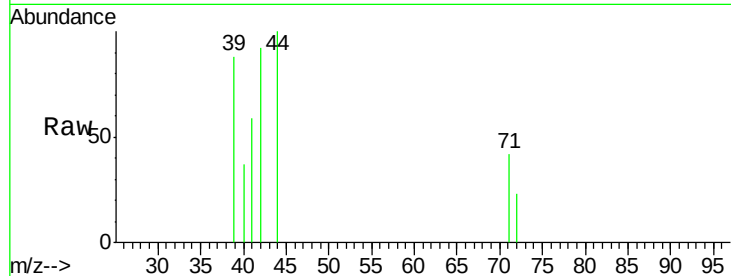




#29
Tetrahydrofuran
Concen: 0.686 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.02 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

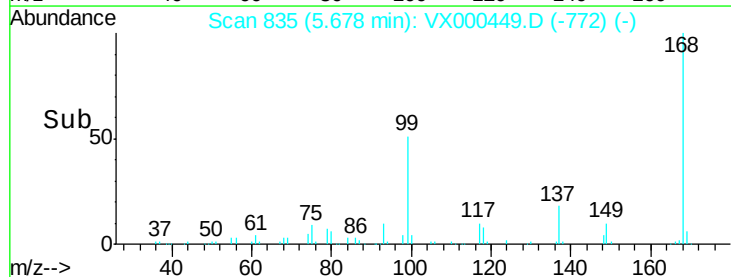
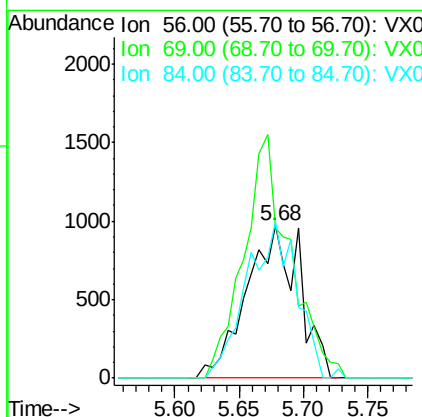
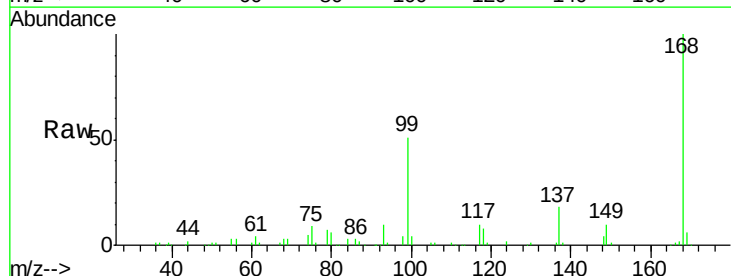
Instrument :
MSVOA_X
ClientSampleId :

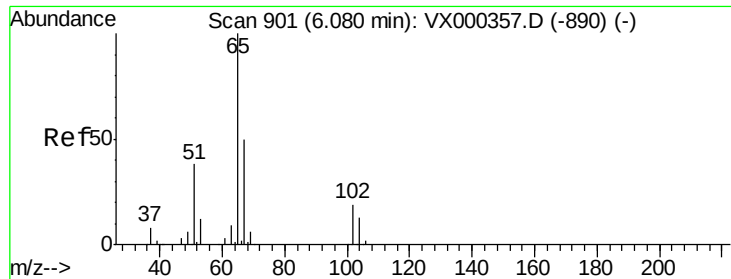
Tot Ion: 42 Resp: 530
Ion Ratio Lower Upper
42 100
72 12.6 37.9 56.9#
71 12.6 34.4 51.6#



#31
Cyclohexane
Concen: 1.636 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

Tgt Ion: 56 Resp: 2774
Ion Ratio Lower Upper
56 100
69 98.6 23.4 35.0#
84 102.9 71.0 106.4

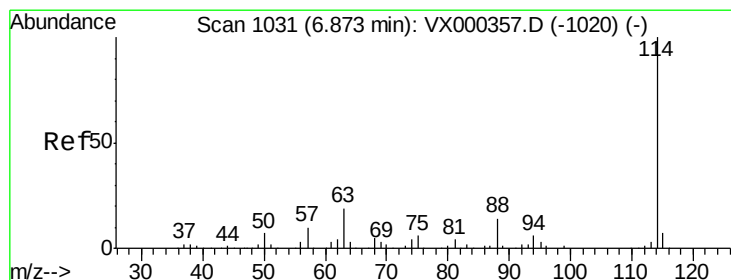
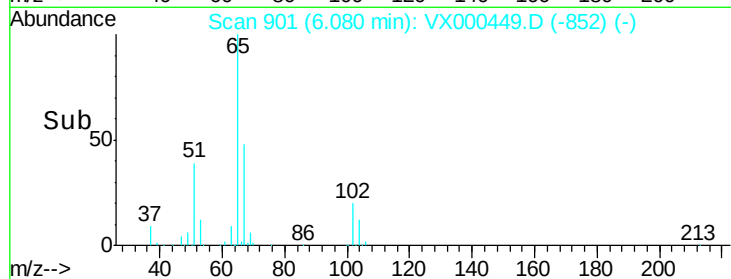
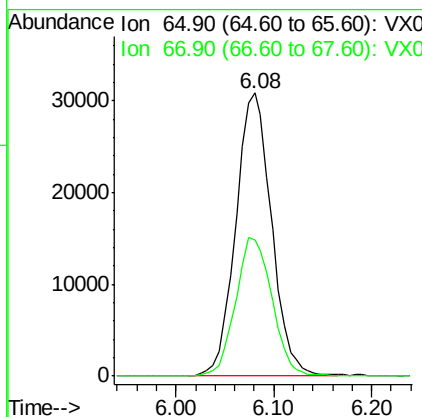
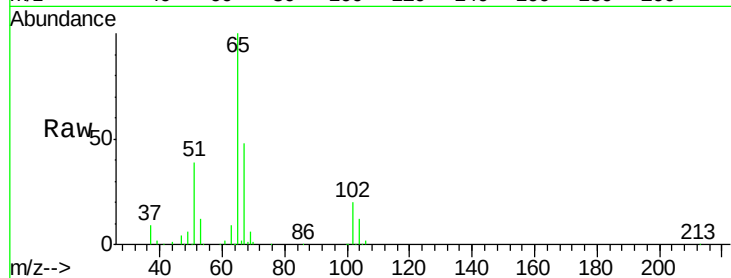




#33
 1,2-Dichloroethane-d4
 Concen: 58.091 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000449.D
 Acq: 26 Mar 2018 18:46

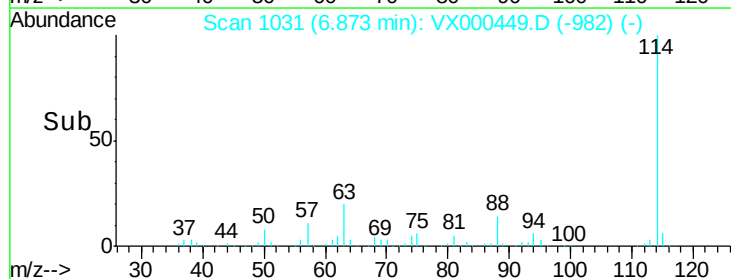
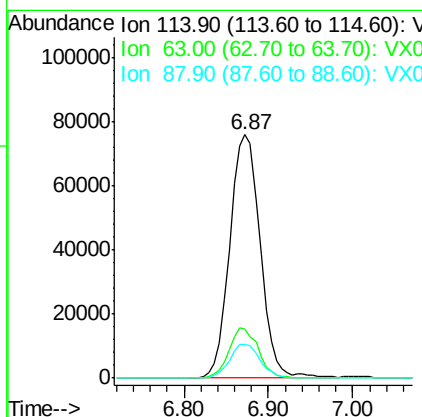
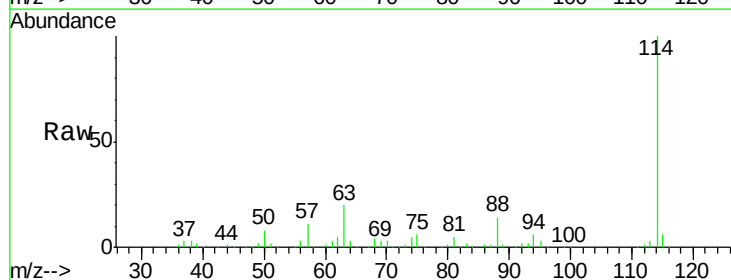
Instrument :
 MSVOA_X
 ClientSampleId :

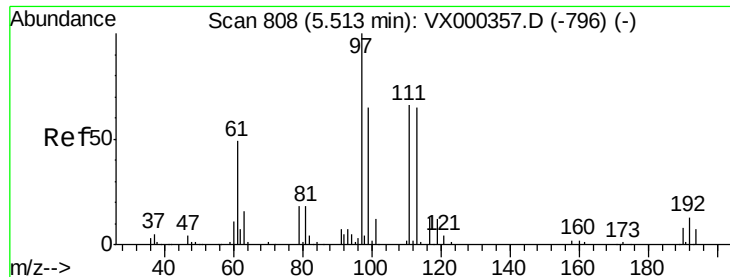
Tot Ion: 65 Resp: 78052
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000449.D
 Acq: 26 Mar 2018 18:46

Tgt Ion: 114 Resp: 186543
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 14.0 0.0 27.0





#35

Dibromofluoromethane

Concen: 51.168 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

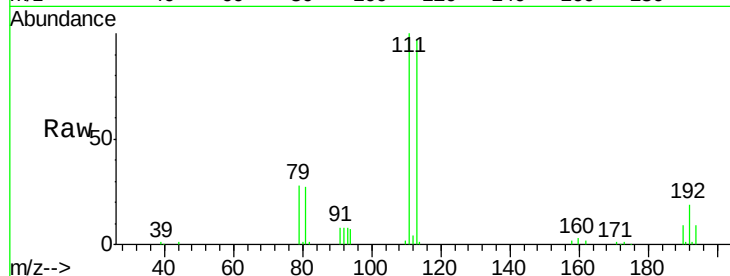
Tot Ion:113 Resp: 60142

Ion Ratio Lower Upper

113 100

111 104.8 82.4 123.6

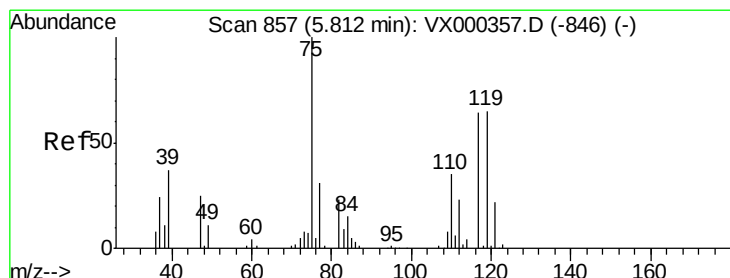
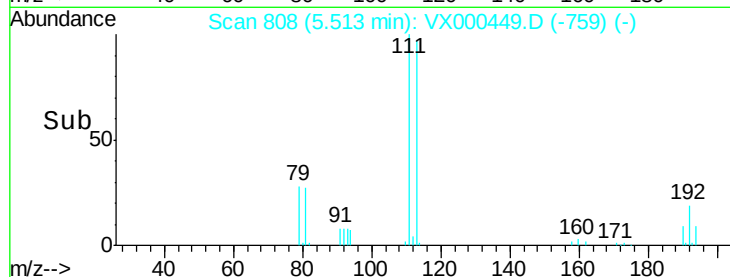
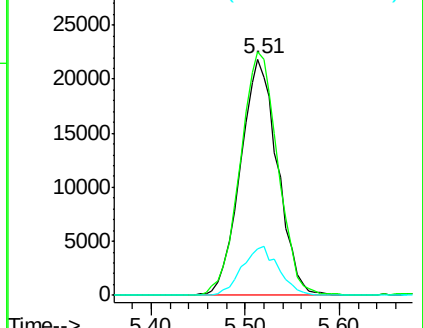
192 20.4 15.8 23.6



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: 4.722 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

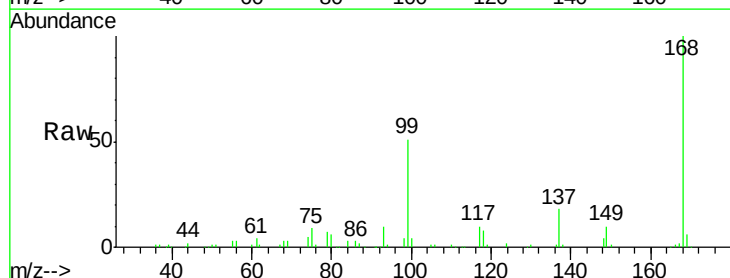
Tgt Ion: 75 Resp: 8251

Ion Ratio Lower Upper

75 100

110 8.3 17.9 53.7#

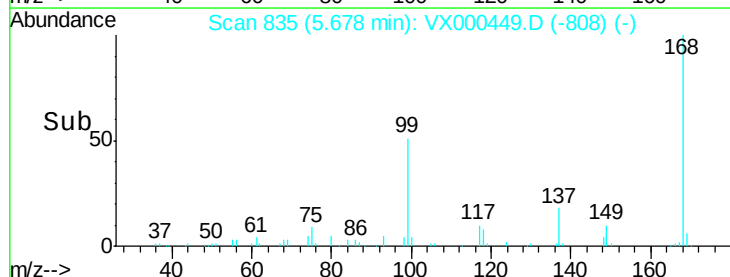
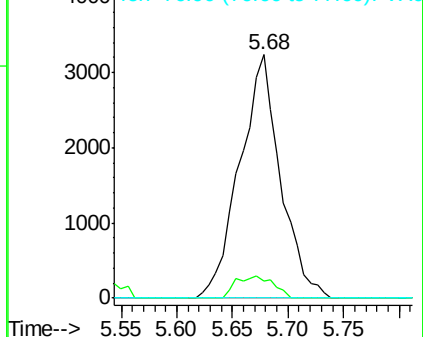
77 0.0 24.0 36.0#

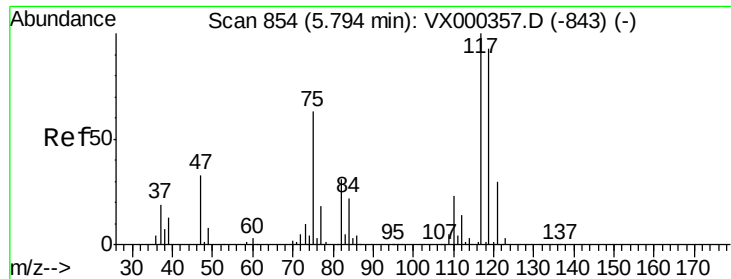


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.751 ug/l

RT: 5.68 min Scan# 836

Delta R.T. -0.11 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampled :

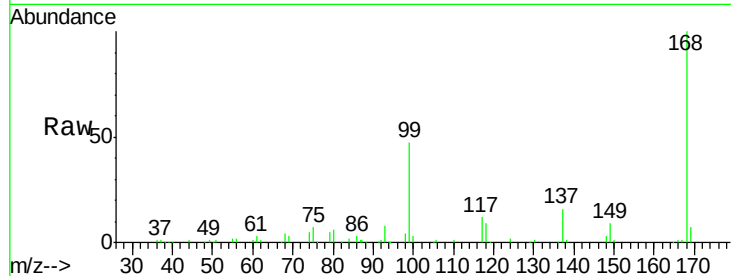
Tot Ion:117 Resp: 10542

Ion Ratio Lower Upper

117 100

119 2.8 77.4 116.2#

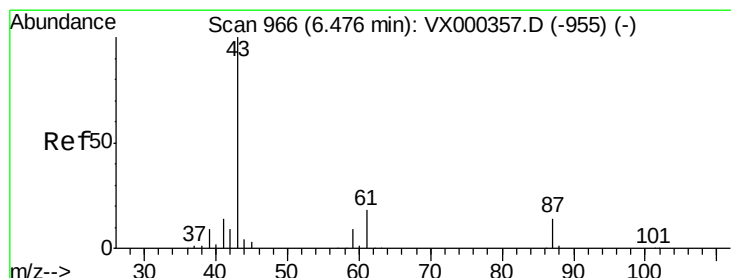
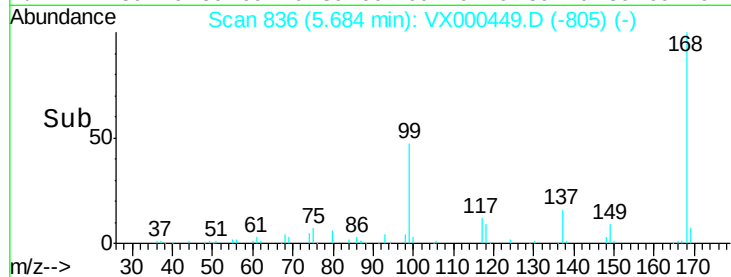
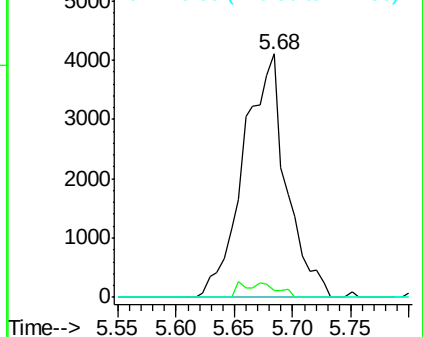
121 0.0 24.8 37.2#



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: 0.526 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

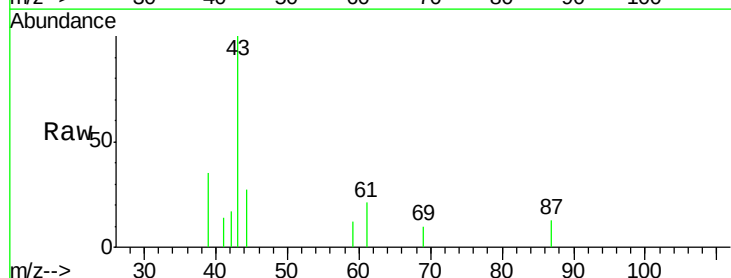
Tgt Ion: 43 Resp: 1870

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

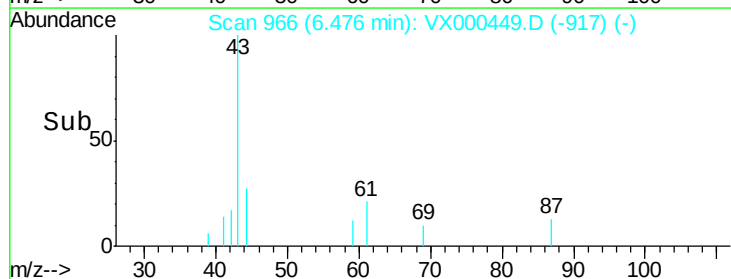
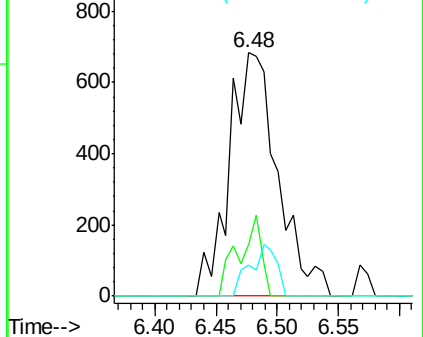
87 11.7 11.0 16.4

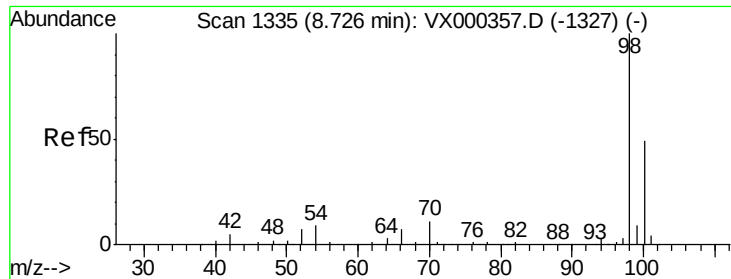


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

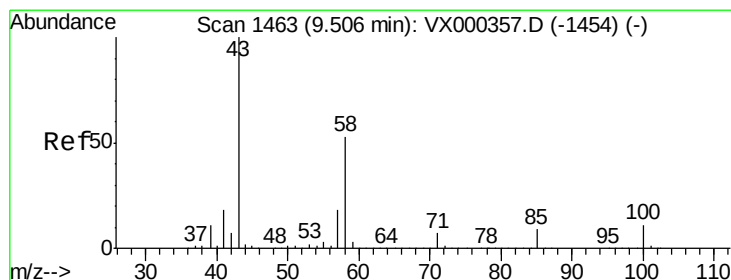
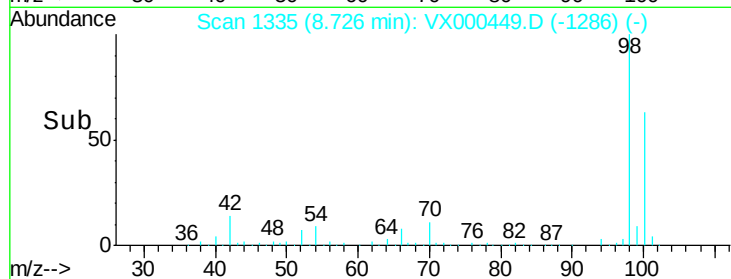
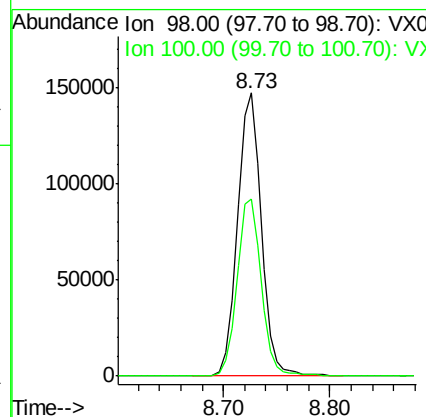
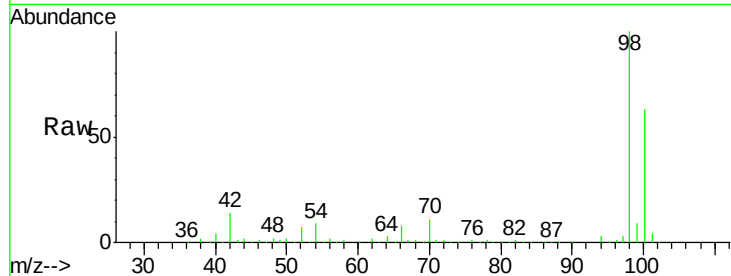




#50
Toluene-d8
Concen: 47.640 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

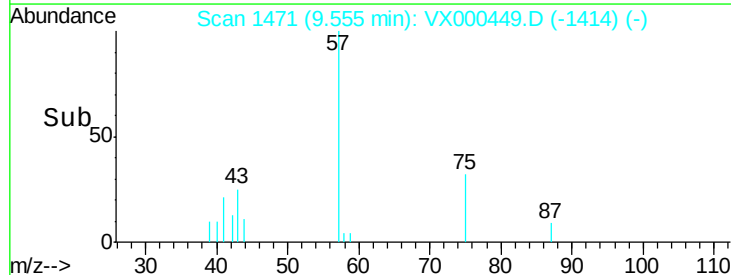
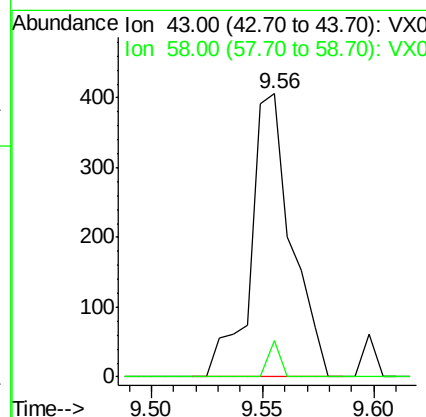
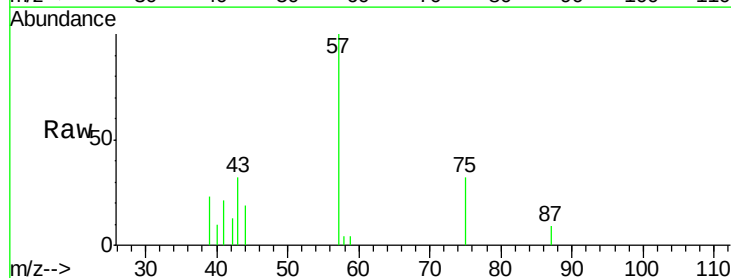
Instrument :
MSVOA_X
ClientSampleId :

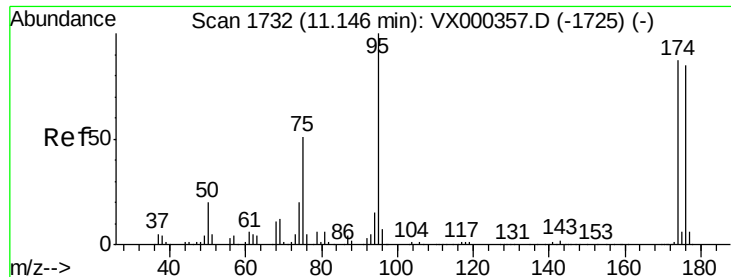
Tot Ion: 98 Resp: 231909
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8



#59
2-Hexanone
Concen: 0.222 ug/l
RT: 9.56 min Scan# 1471
Delta R.T. 0.05 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
58 3.7 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 37.487 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

Instrument :

MSVOA_X

ClientSampleId :

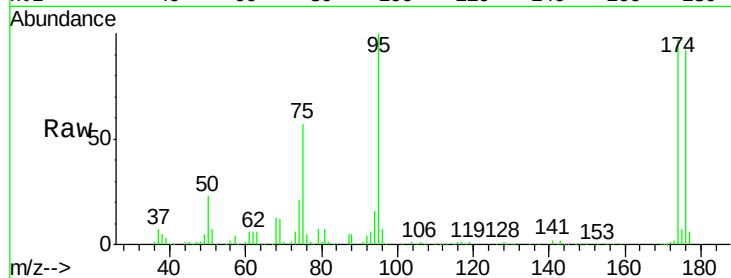
Tot Ion: 95 Resp: 73479

Ion Ratio Lower Upper

95 100

174 93.7 0.0 173.6

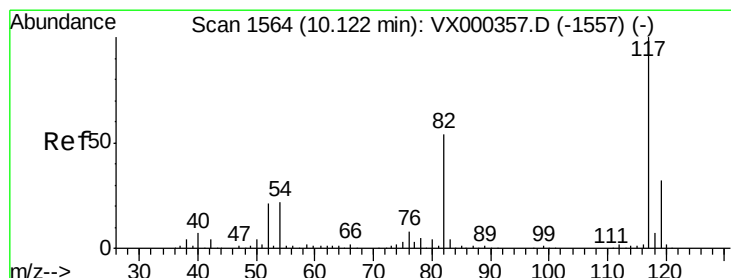
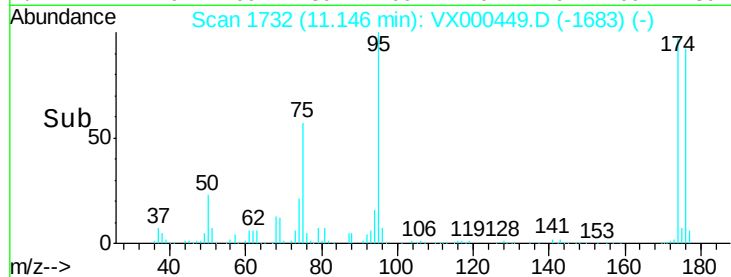
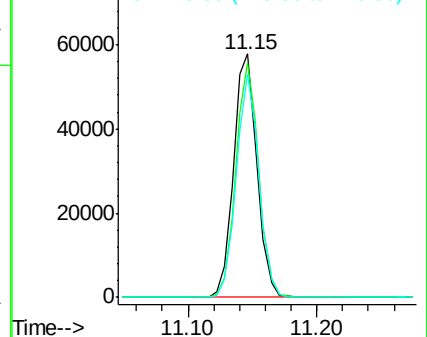
176 88.6 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000449.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000449.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000449.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

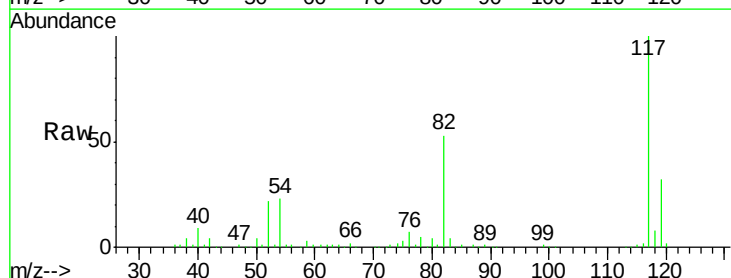
Tgt Ion: 117 Resp: 177506

Ion Ratio Lower Upper

117 100

82 53.1 43.8 65.8

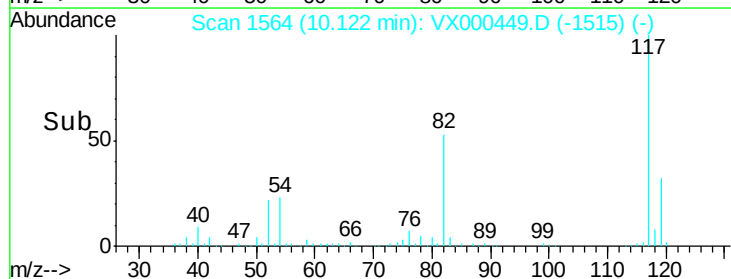
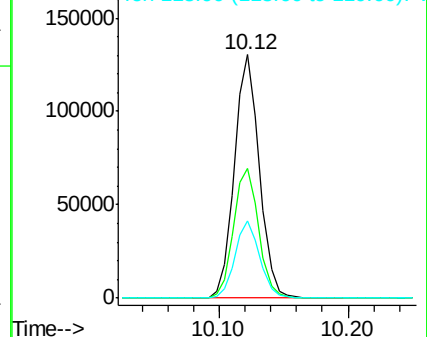
119 31.7 24.9 37.3

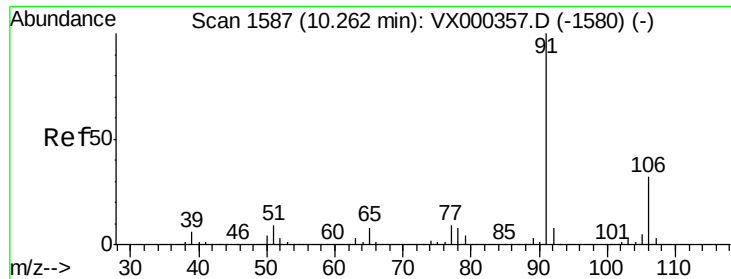


Abundance Ion 116.90 (116.60 to 117.60): VX000449.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000449.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000449.D (-1515) (-)





#67

Ethyl Benzene

Concen: 0.262 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

Instrument :

MSVOA_X

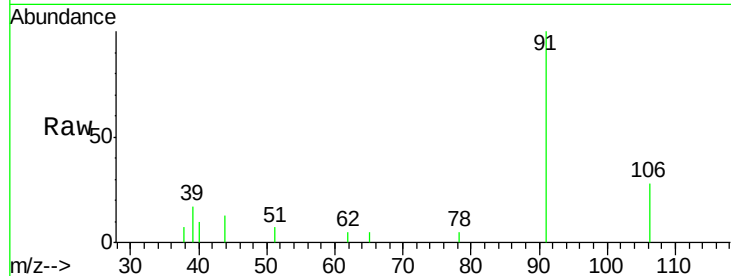
ClientSampled :

Tot Ion: 91 Resp: 1752

Ion Ratio Lower Upper

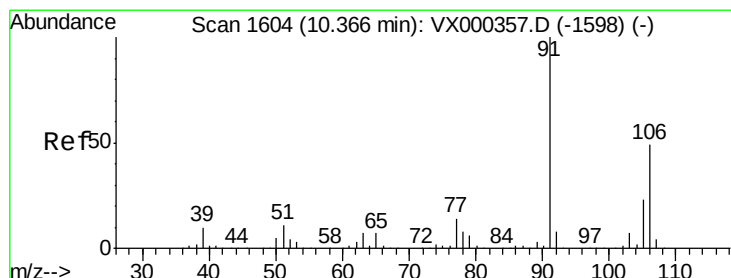
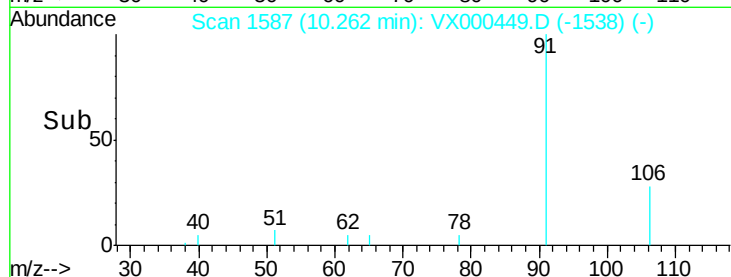
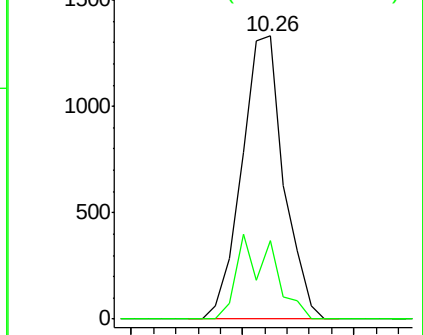
91 100

106 27.9 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 0.396 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000449.D

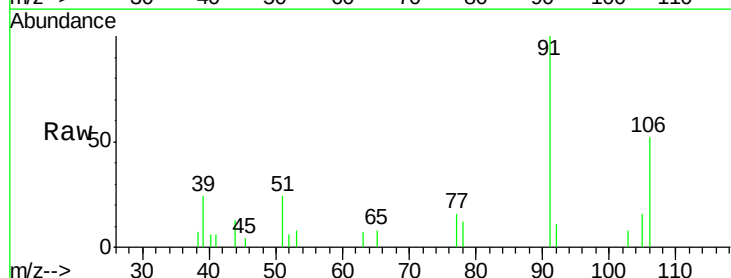
Acq: 26 Mar 2018 18:46

Tgt Ion:106 Resp: 1044

Ion Ratio Lower Upper

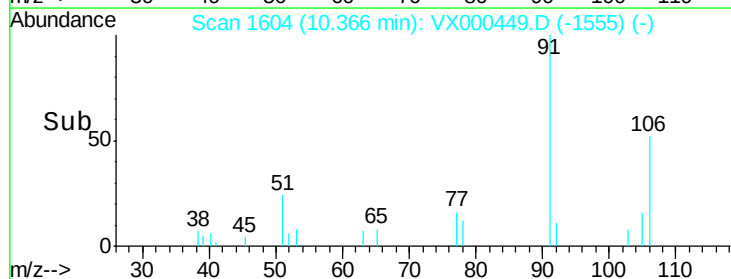
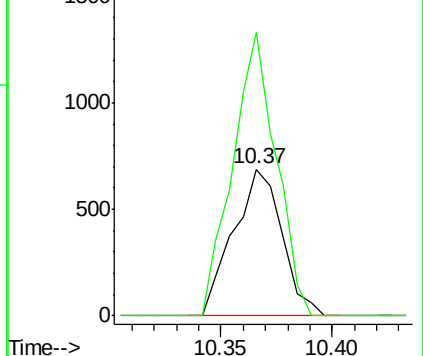
106 100

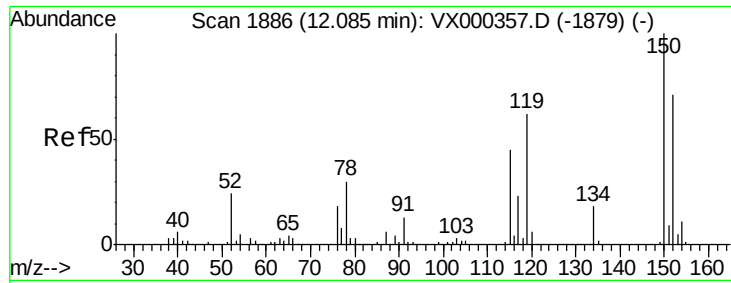
91 173.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



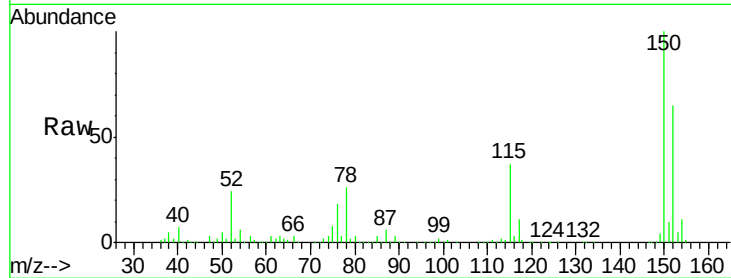


#72

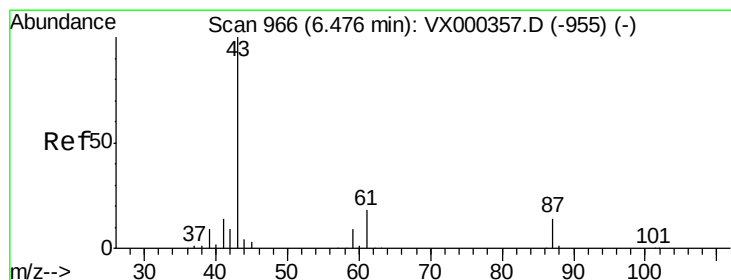
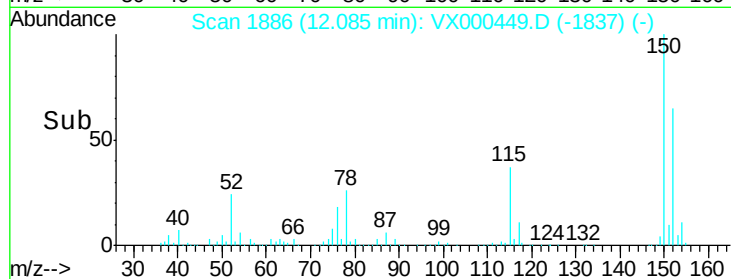
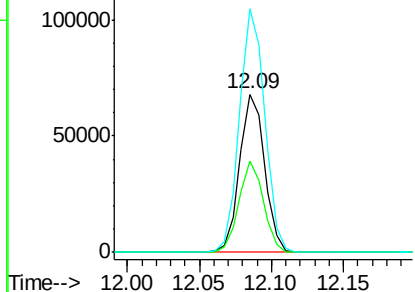
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 82158
Ion Ratio Lower Upper
152 100
115 56.3 39.8 119.3
150 155.9 0.0 344.4



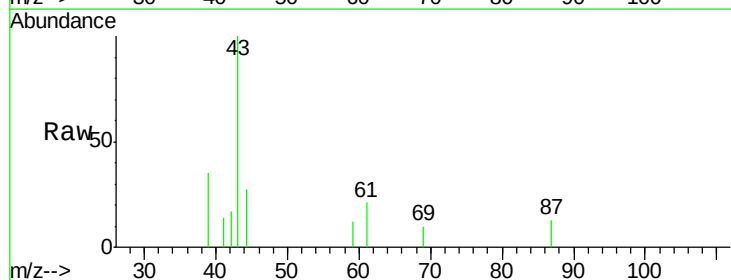
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



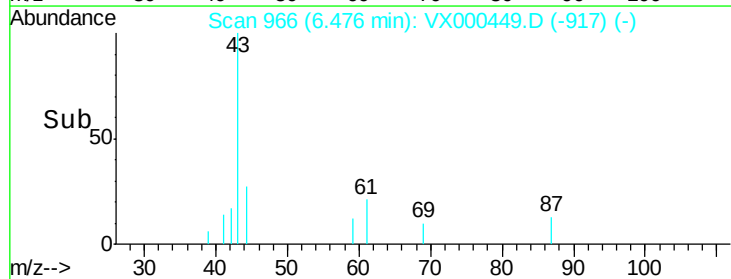
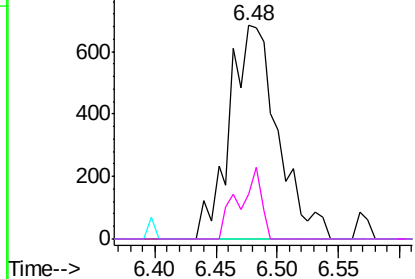
#74

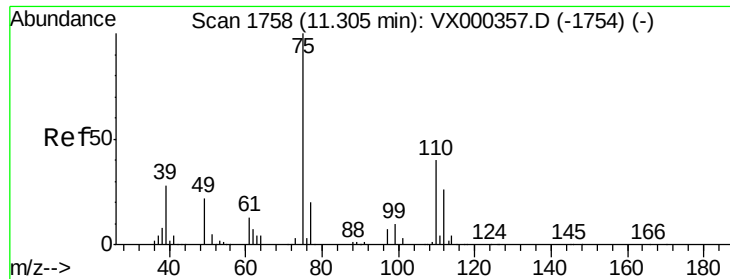
N-amyl acetate
Concen: Below Cal
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

Tgt Ion: 43 Resp: 1870
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 0.0 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: 24.479 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

Instrument :

MSVOA_X

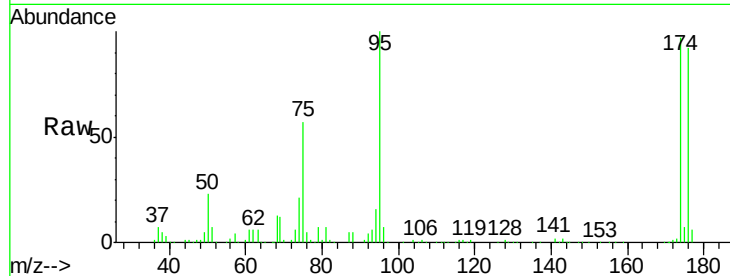
ClientSampleId :

Tot Ion: 75 Resp: 43221

Ion Ratio Lower Upper

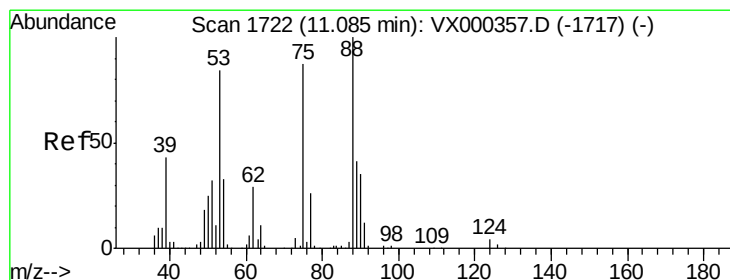
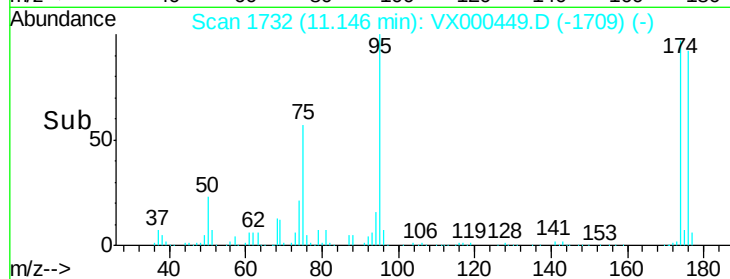
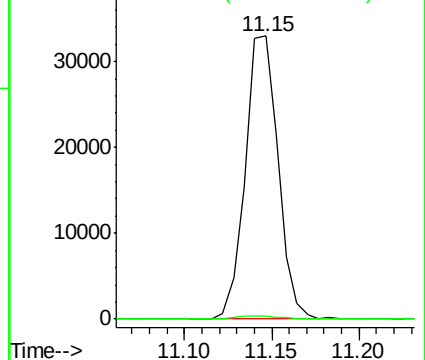
75 100

77 1.5 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: 79.251 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000449.D

Acq: 26 Mar 2018 18:46

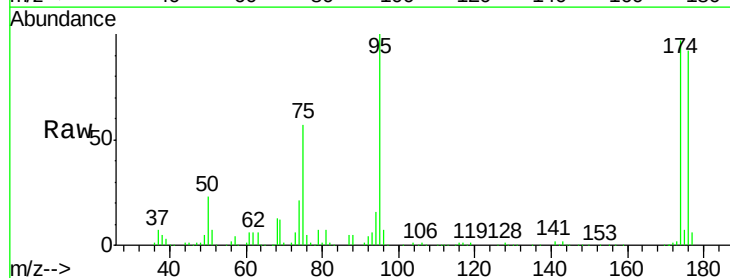
Tgt Ion: 75 Resp: 43221

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

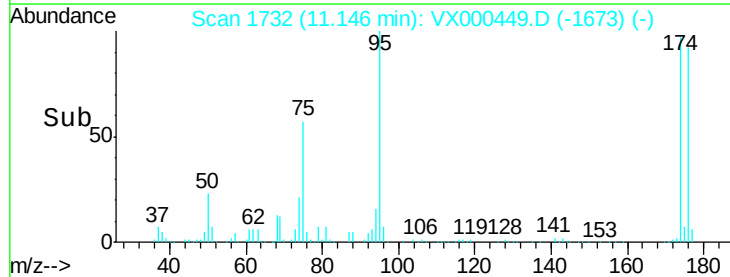
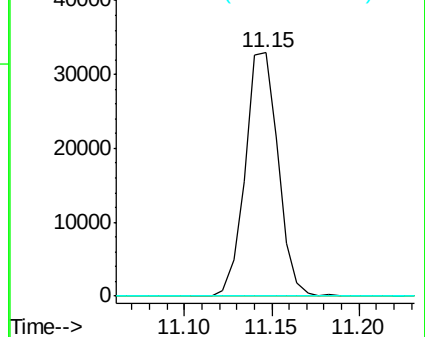
89 0.0 39.4 59.0#

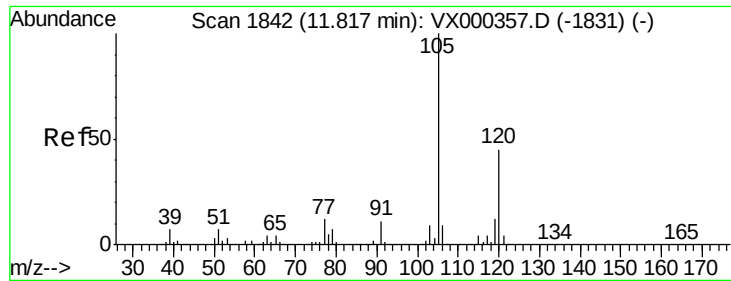


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

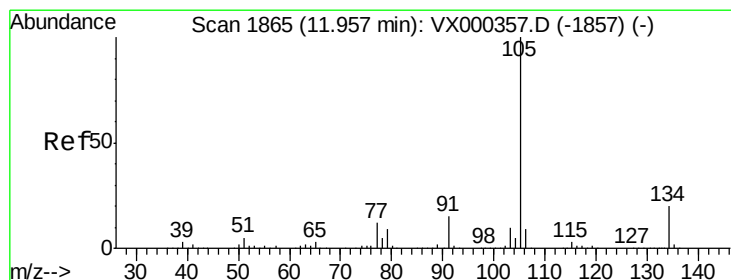
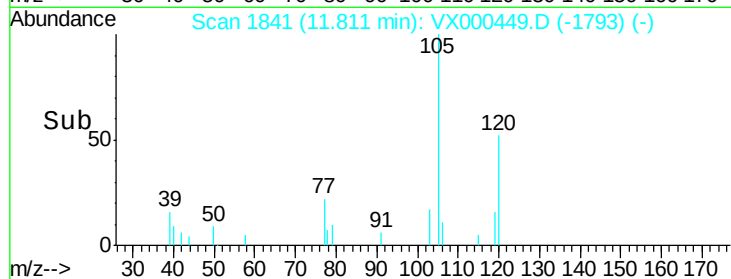
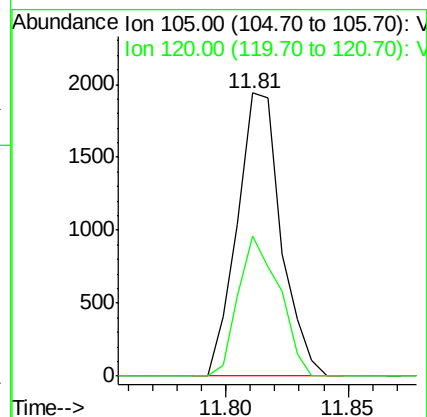
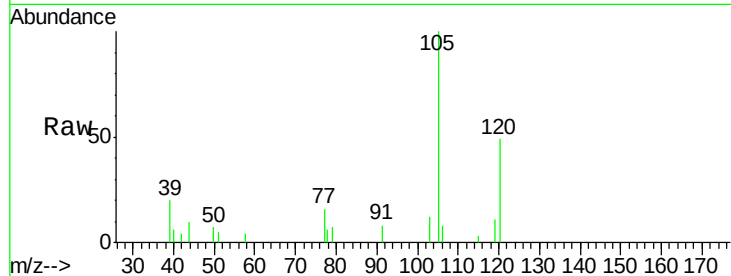




#84
1,2,4-Trimethylbenzene
Concen: 0.506 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

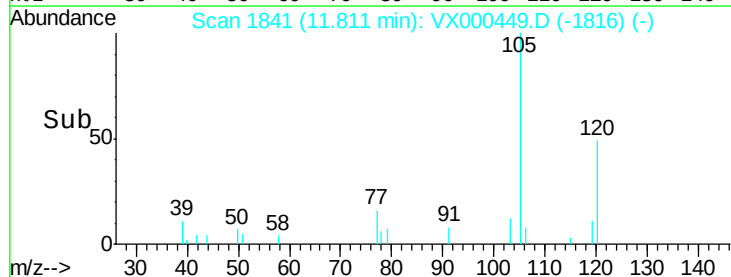
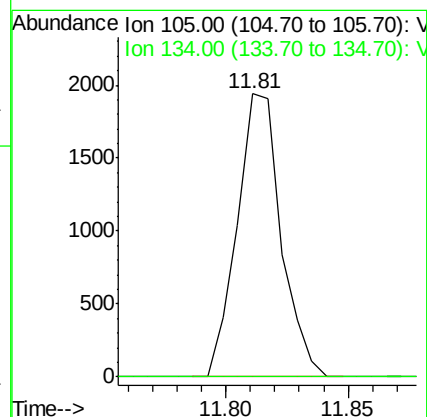
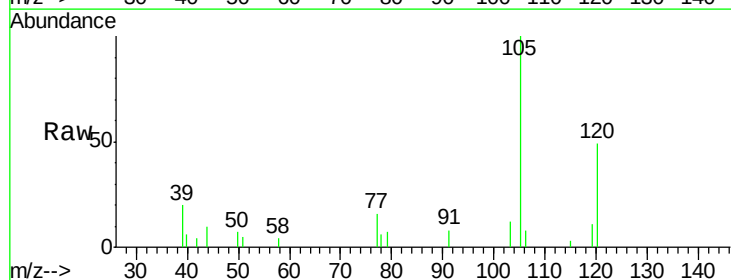
Instrument :
MSVOA_X
ClientSampled :

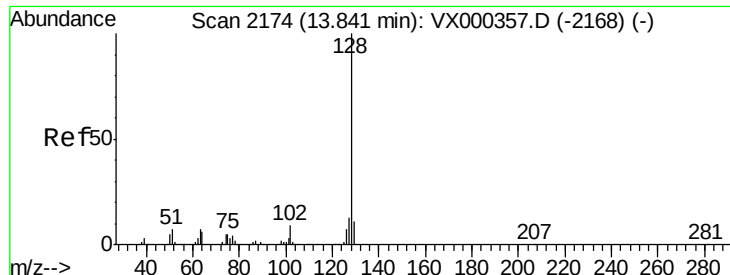
Tot Ion:105 Resp: 2426
Ion Ratio Lower Upper
105 100
120 46.3 22.4 67.3



#85
sec-Butylbenzene
Concen: 0.425 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.15 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

Tgt Ion:105 Resp: 2426
Ion Ratio Lower Upper
105 100
134 0.0 10.3 30.8#





#95
Naphthalene
Concen: 12.738 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000449.D
Acq: 26 Mar 2018 18:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	11.1	8.9	13.3

