

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000446.D
 Acq On : 26 Mar 2018 17:29
 Operator : JC/MD
 Sample : J2050-03 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:54:14 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

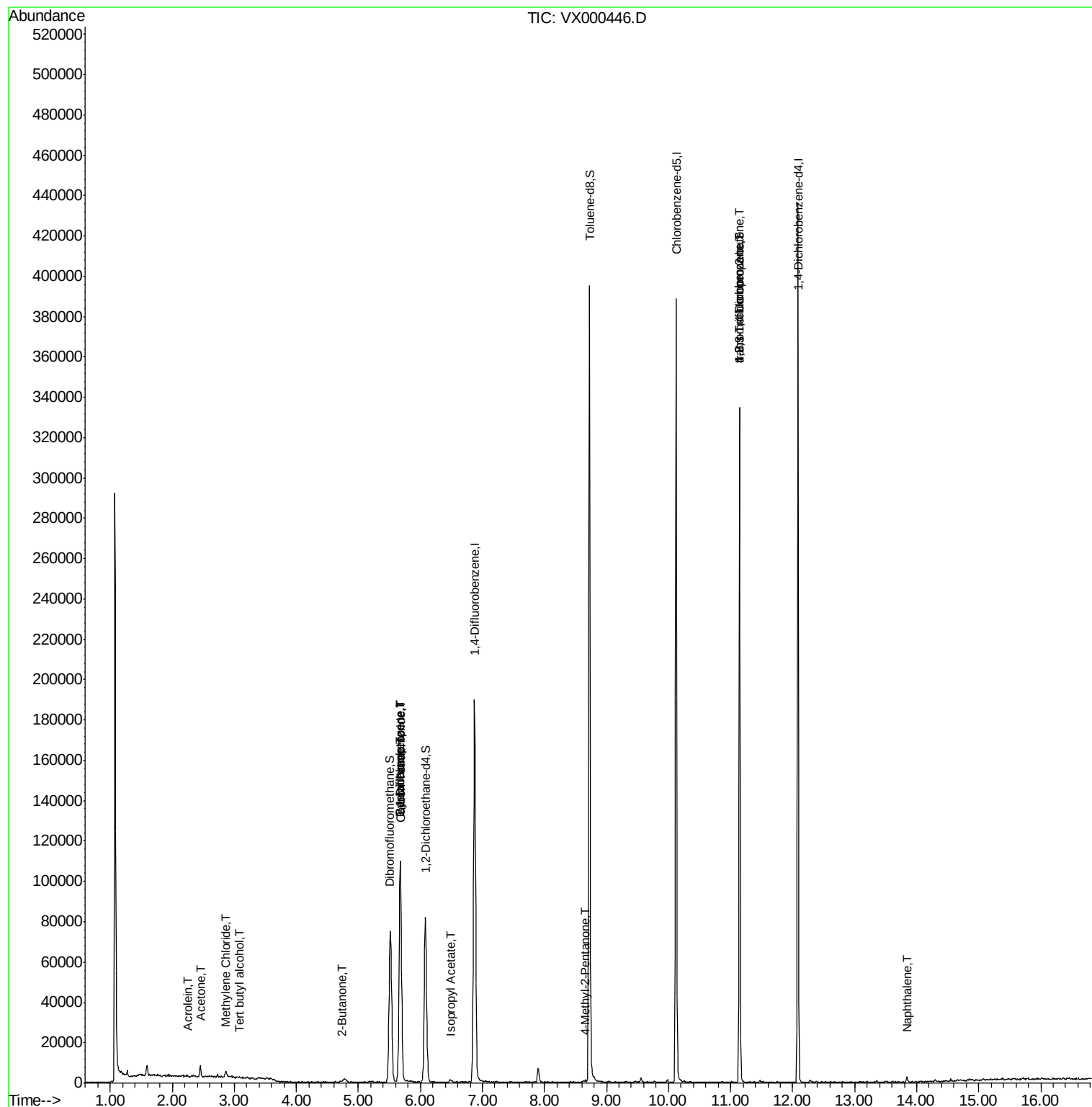
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	102368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	183722	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	80472	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	76491	57.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.48%	
35) Dibromofluoromethane	5.52	113	59037	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	8.73	98	229926	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.15	95	73817	38.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.22%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.75	64	354	Below Cal	#	44
11) Tert butyl alcohol	3.08	59	522	1.136	ug/l #	72
13) Acrolein	2.24	56	20	14.706	ug/l #	1
16) Acetone	2.45	43	6049	5.442	ug/l	92
20) Methylene Chloride	2.87	84	1194	0.930	ug/l #	78
25) 2-Butanone	4.73	43	1177	0.942	ug/l #	78
31) Cyclohexane	5.67	56	1385	0.822	ug/l #	42
36) 1,1-Dichloropropene	5.68	75	8064	4.686	ug/l #	50
38) Carbon Tetrachloride	5.68	117	10851	6.010	ug/l #	16
43) Isopropyl Acetate	6.49	43	1694	0.484	ug/l #	84
51) 4-Methyl-2-Pentanone	8.66	43	886	0.327	ug/l #	74
74) N-amyl acetate	6.49	43	1694	Below Cal	#	89
76) 1,2,3-Trichloropropane	11.15	75	42208	24.406	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	42208	79.015	ug/l #	9
95) Naphthalene	13.85	128	1554	0.236	ug/l #	89

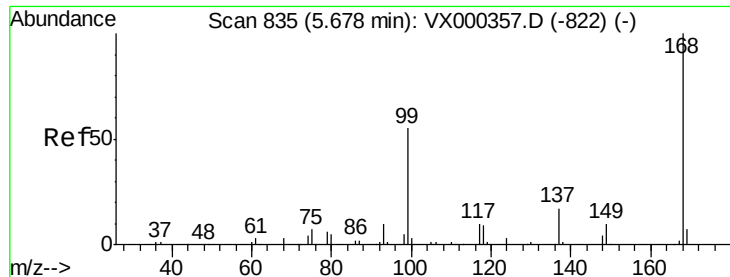
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX000446.D

Acq: 26 Mar 2018 17:29

Instrument :

MSVOA_X

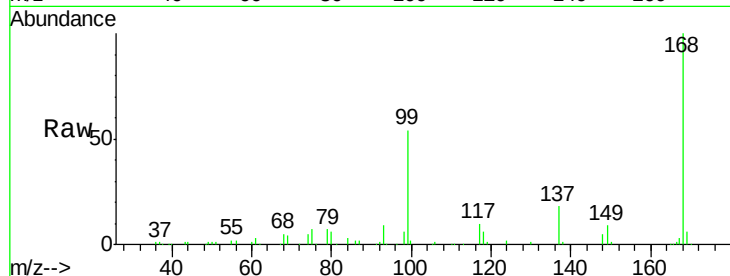
ClientSampled :

Tot Ion:168 Resp: 102368

Ion Ratio Lower Upper

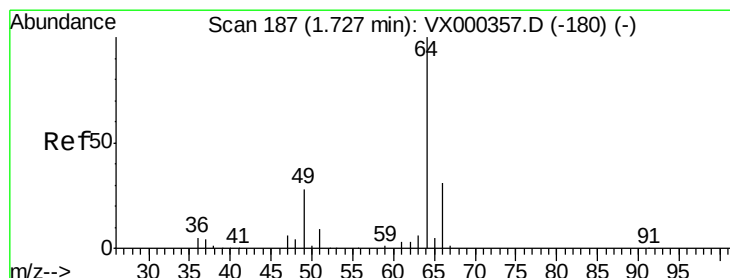
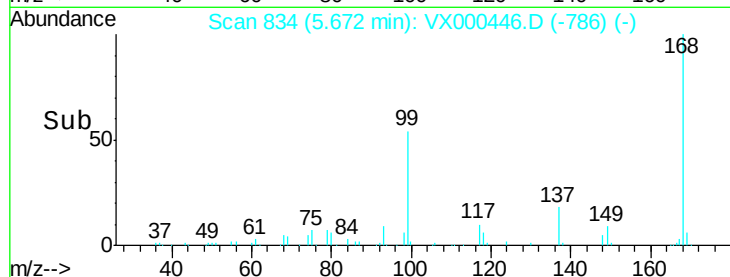
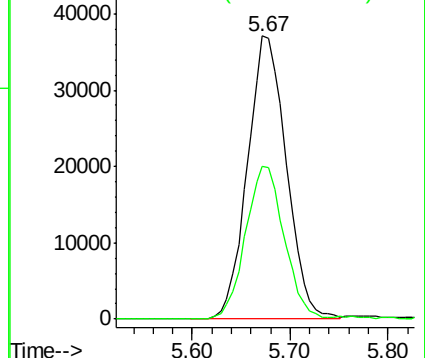
168 100

99 54.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 191

Delta R.T. 0.02 min

Lab File: VX000446.D

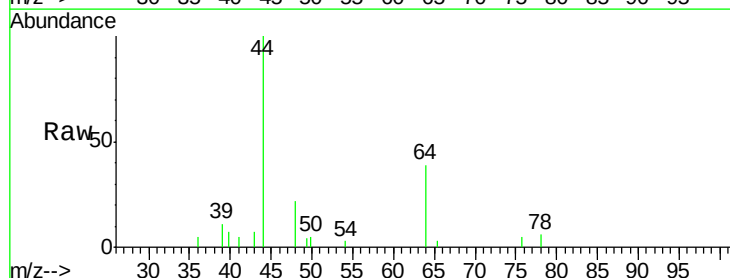
Acq: 26 Mar 2018 17:29

Tgt Ion: 64 Resp: 354

Ion Ratio Lower Upper

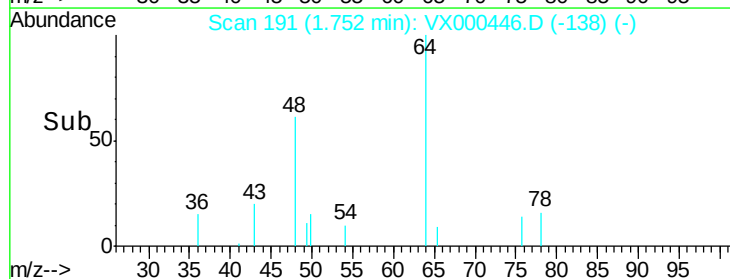
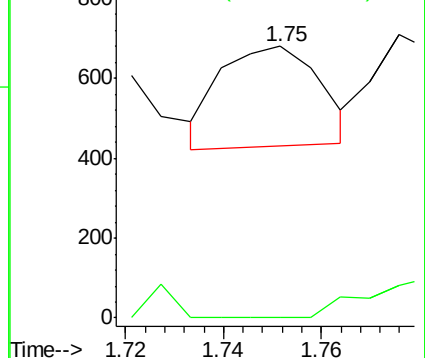
64 100

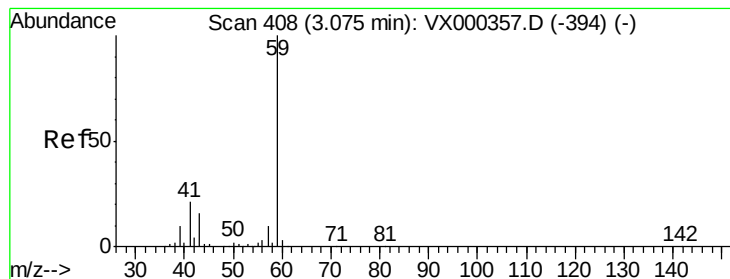
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



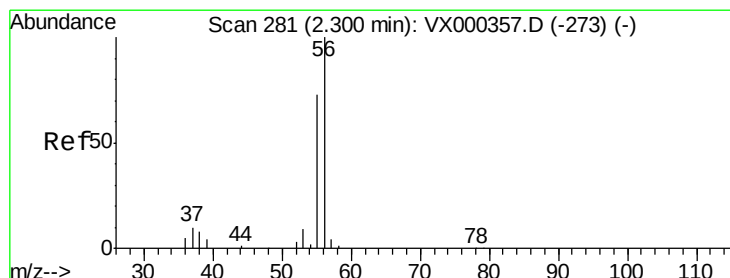
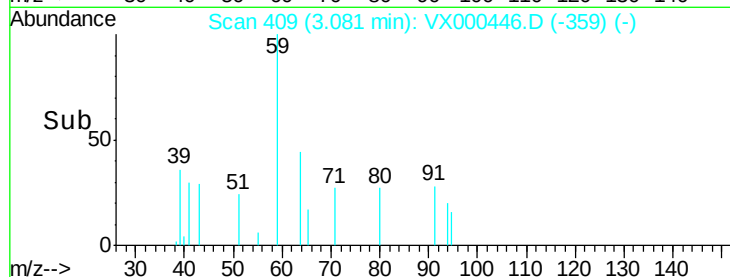
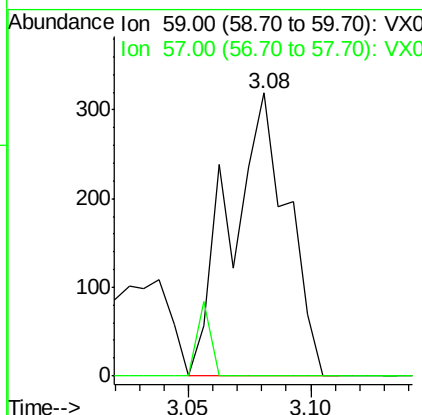
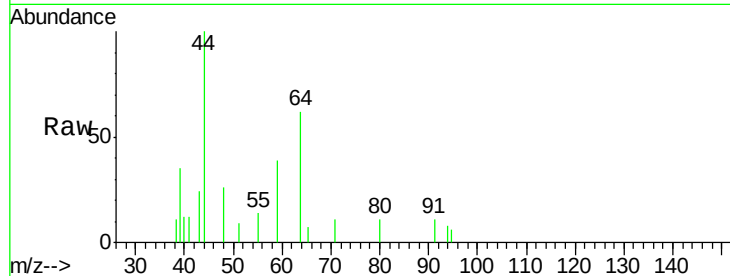


#11

Tert butyl alcohol
 Concen: 1.136 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX000446.D
 Acq: 26 Mar 2018 17:29

Instrument :
 MSVOA_X
 ClientSampled :

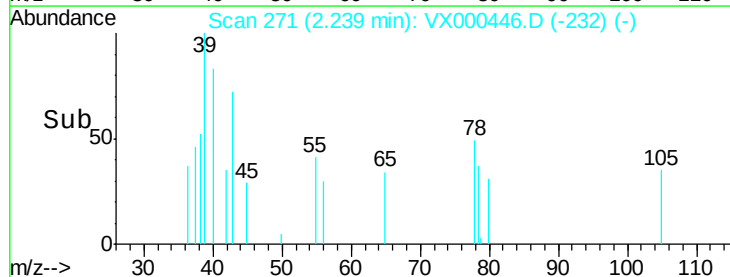
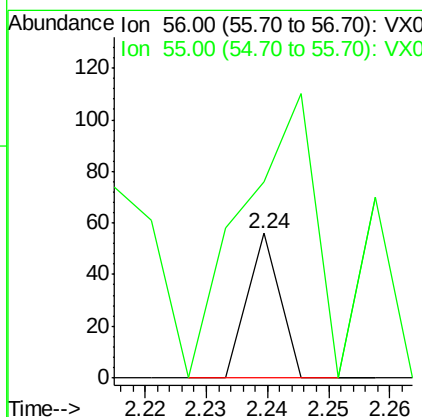
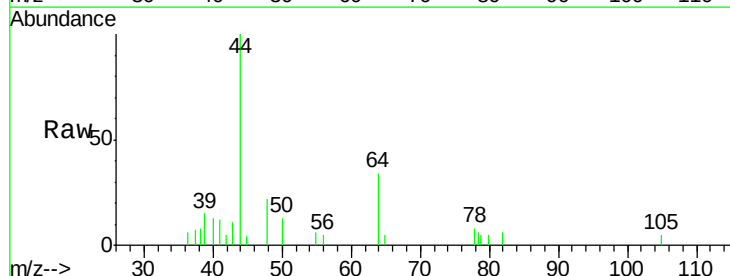
Tot Ion: 59 Resp: 522
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

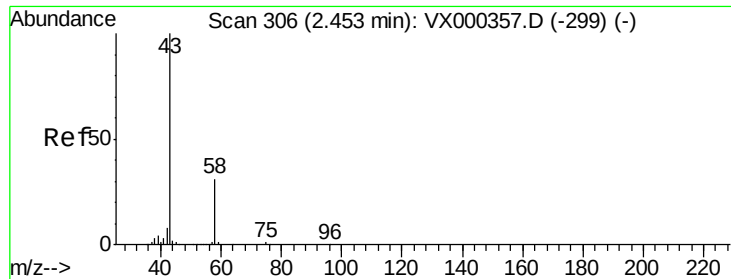


#13

Acrolein
 Concen: 14.706 ug/l
 RT: 2.24 min Scan# 271
 Delta R.T. -0.06 min
 Lab File: VX000446.D
 Acq: 26 Mar 2018 17:29

Tgt Ion: 56 Resp: 20
 Ion Ratio Lower Upper
 56 100
 55 575.0 58.8 88.2#





#16

Acetone

Concen: 5.442 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000446.D

Acq: 26 Mar 2018 17:29

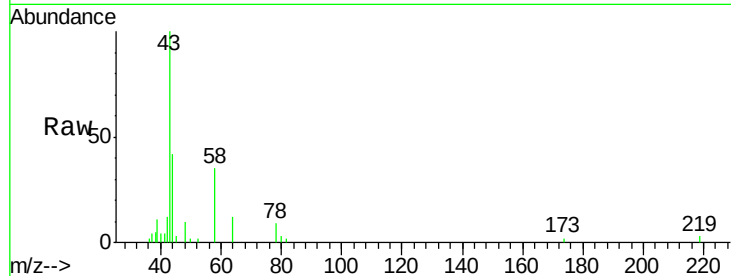
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 6049

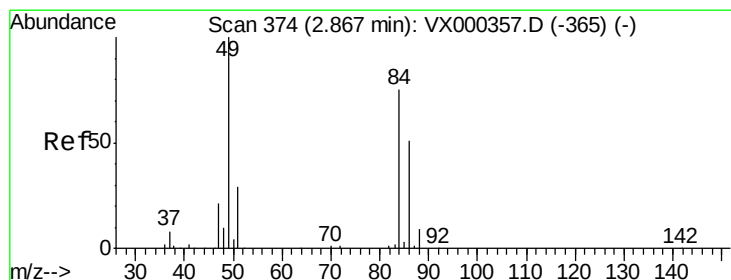
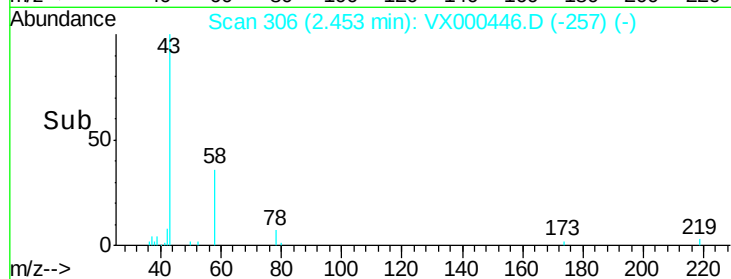
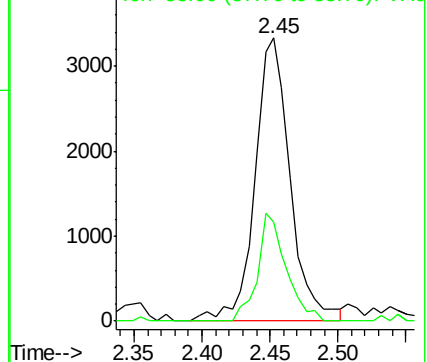
Ion Ratio Lower Upper

43 100

58 35.1 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.930 ug/l

RT: 2.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VX000446.D

Acq: 26 Mar 2018 17:29

Tgt Ion: 84 Resp: 1194

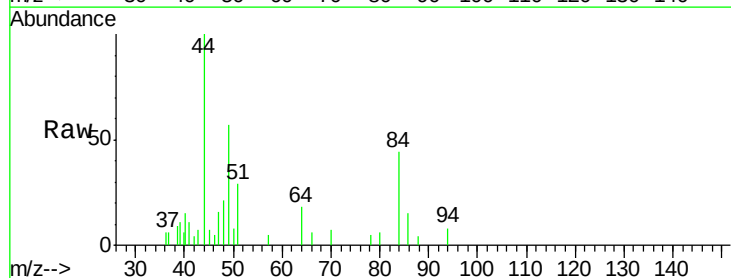
Ion Ratio Lower Upper

84 100

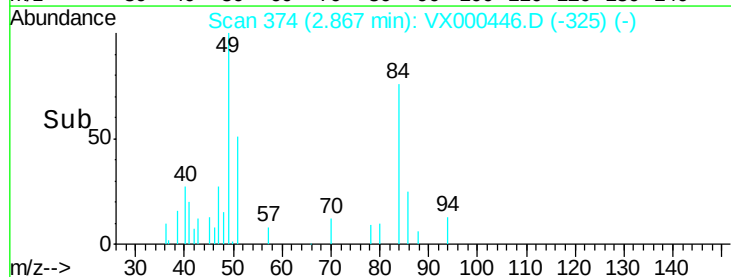
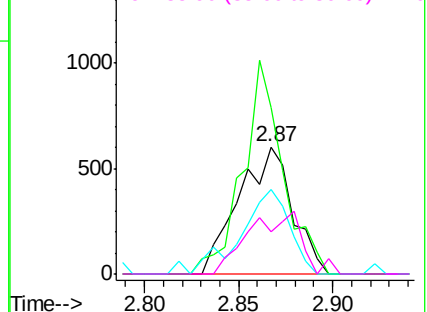
49 130.8 100.6 151.0

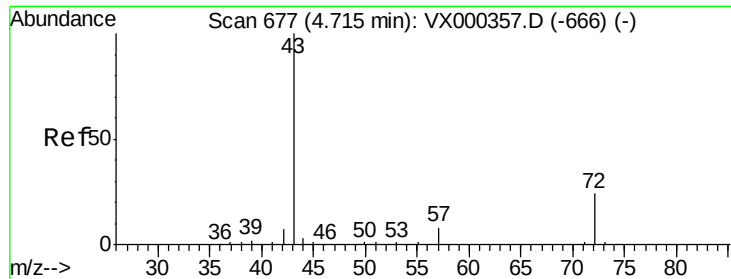
51 66.7 31.6 47.4#

86 33.3 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: 0.942 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000446.D

Acq: 26 Mar 2018 17:29

Instrument :

MSVOA_X

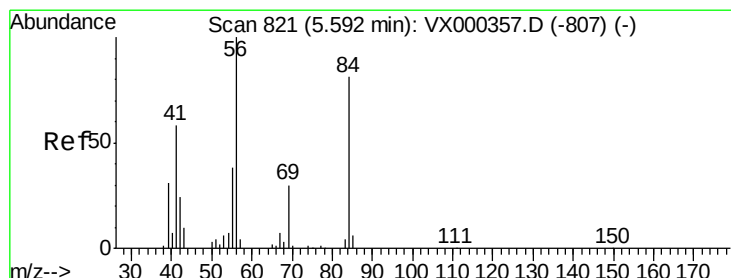
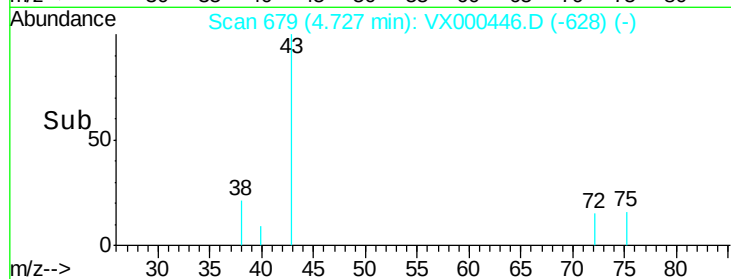
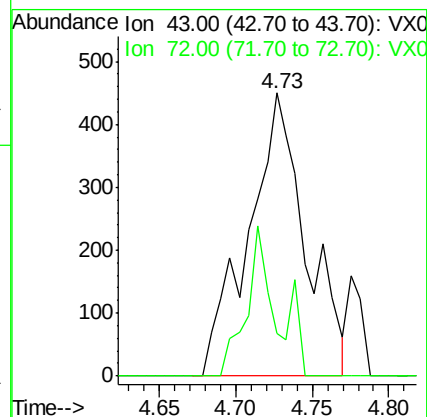
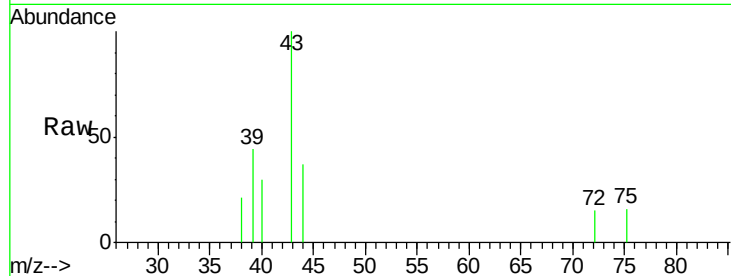
ClientSampled :

Tot Ion: 43 Resp: 1177

Ion Ratio Lower Upper

43 100

72 15.1 21.0 31.6#



#31

Cyclohexane

Concen: 0.822 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.07 min

Lab File: VX000446.D

Acq: 26 Mar 2018 17:29

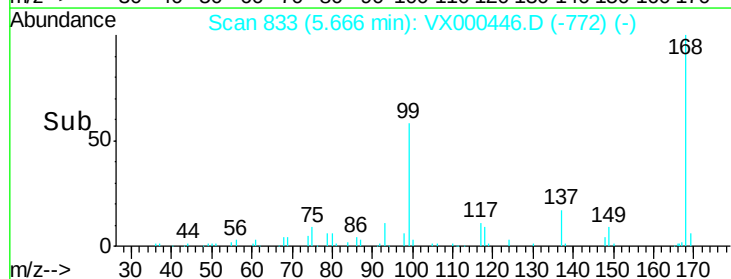
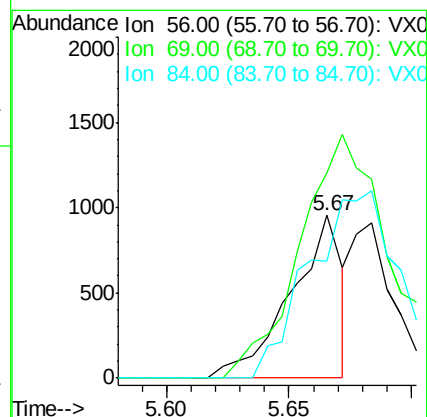
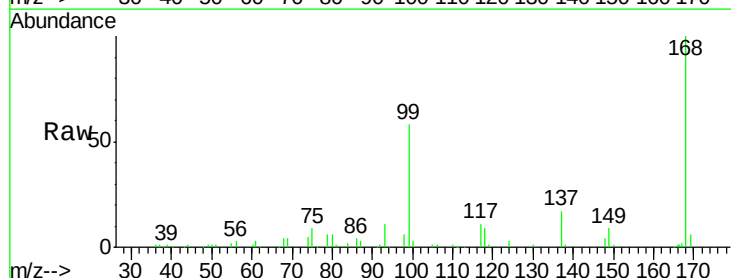
Tgt Ion: 56 Resp: 1385

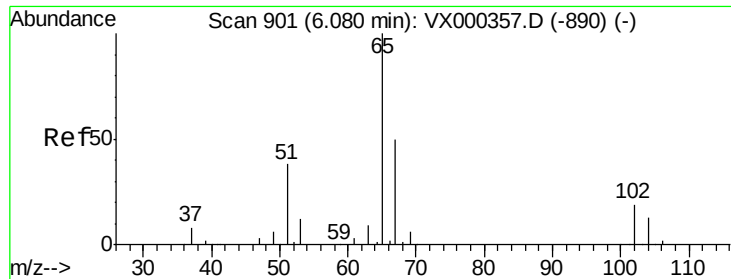
Ion Ratio Lower Upper

56 100

69 126.0 23.4 35.0#

84 71.8 71.0 106.4

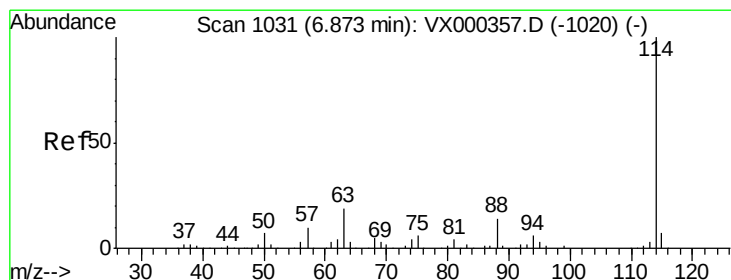
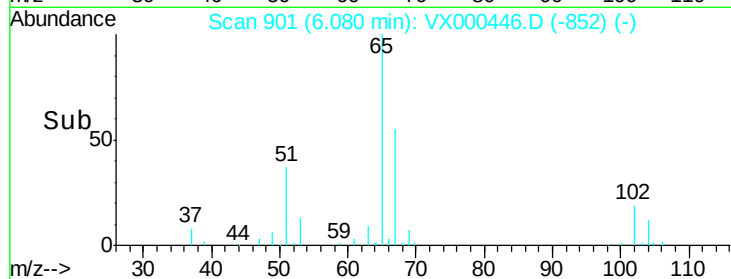
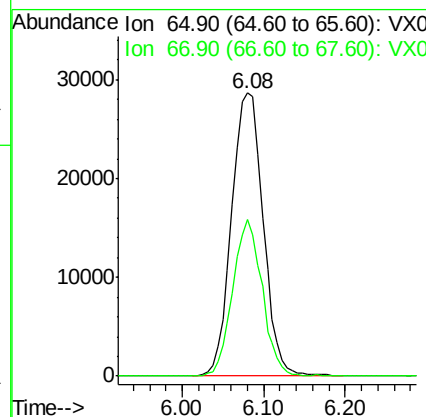
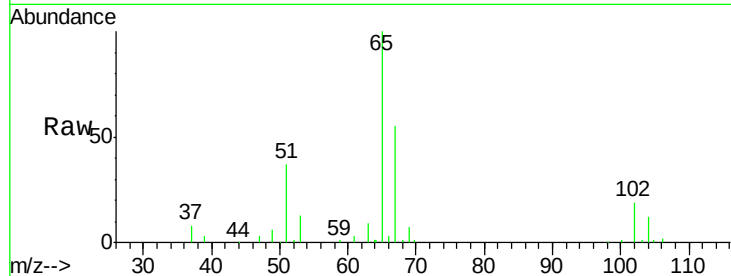




#33
 1,2-Dichloroethane-d4
 Concen: 57.243 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000446.D
 Acq: 26 Mar 2018 17:29

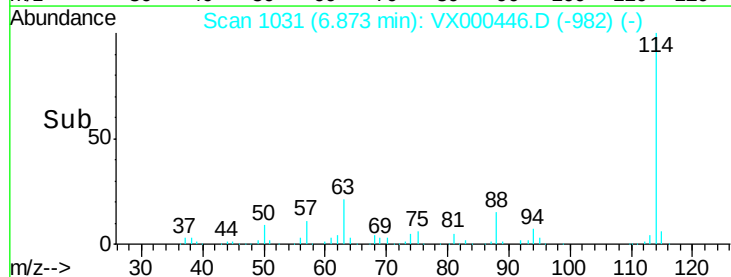
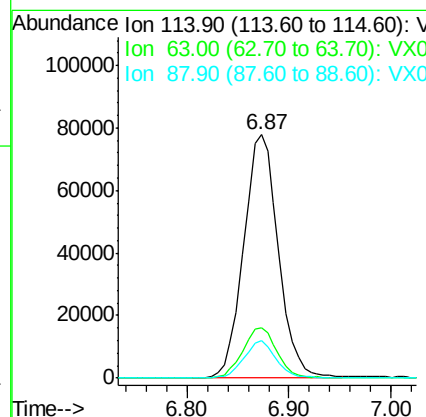
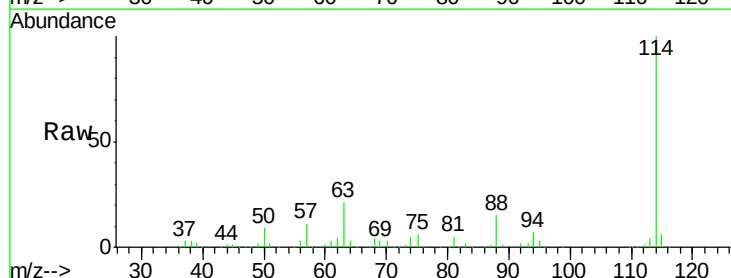
Instrument :
 MSVOA_X
 ClientSampleId :

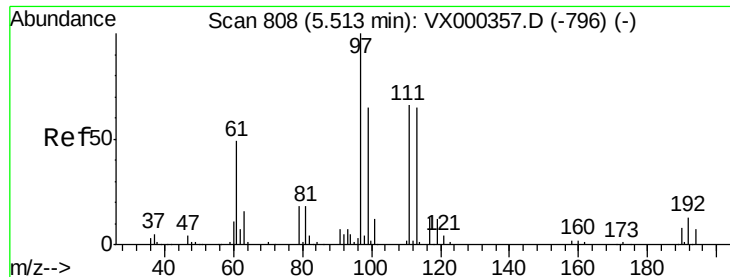
Tot Ion: 65 Resp: 76491
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000446.D
 Acq: 26 Mar 2018 17:29

Tgt Ion: 114 Resp: 183722
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.4
 88 15.4 0.0 27.0





#35

Dibromofluoromethane

Concen: 50.999 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000446.D

Acq: 26 Mar 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

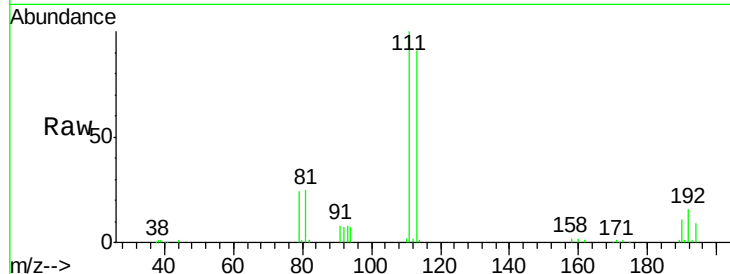
Tot Ion:113 Resp: 59037

Ion Ratio Lower Upper

113 100

111 106.0 82.4 123.6

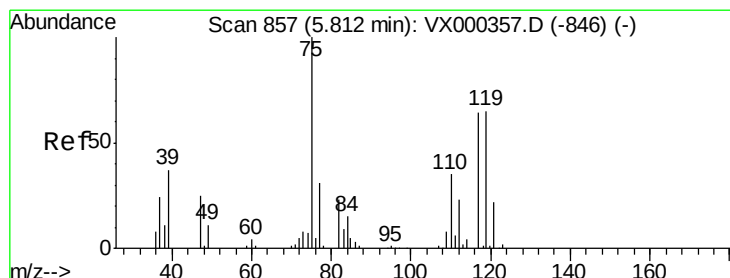
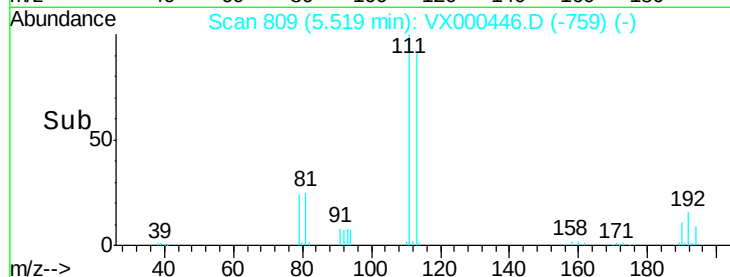
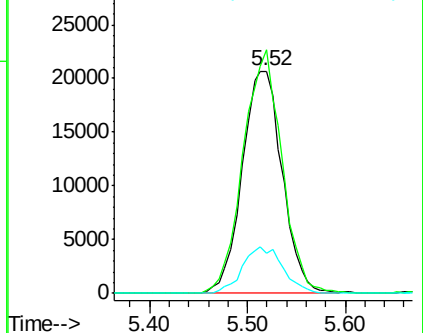
192 21.2 15.8 23.6



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: 4.686 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000446.D

Acq: 26 Mar 2018 17:29

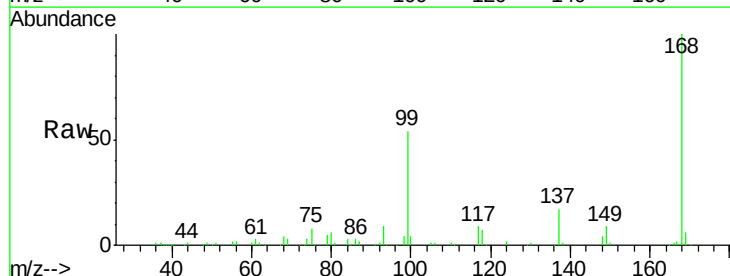
Tgt Ion: 75 Resp: 8064

Ion Ratio Lower Upper

75 100

110 9.3 17.9 53.7#

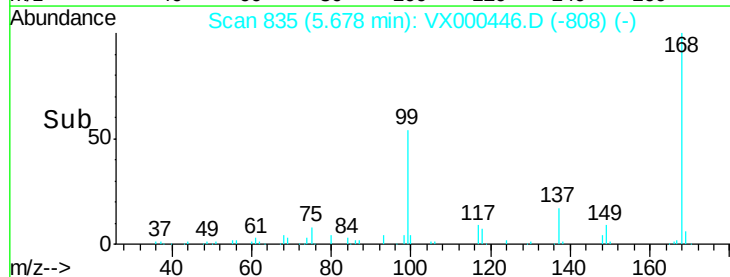
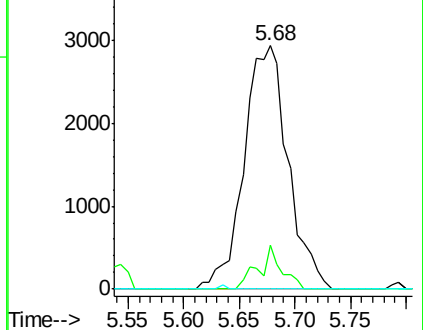
77 0.0 24.0 36.0#

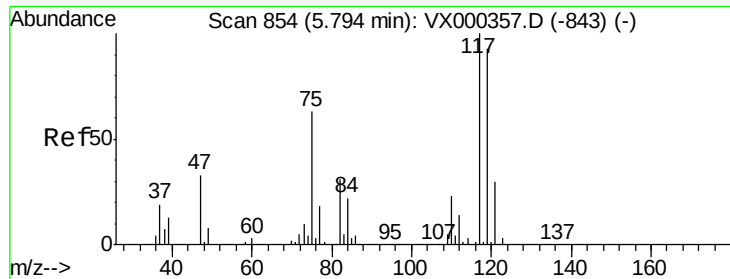


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.010 ug/l

RT: 5.68 min Scan# 836

Delta R.T. -0.11 min

Lab File: VX000446.D

Acq: 26 Mar 2018 17:29

Instrument :

MSVOA_X

ClientSampled :

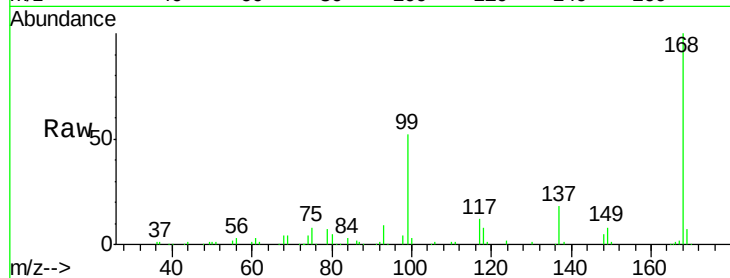
Tot Ion:117 Resp: 10851

Ion Ratio Lower Upper

117 100

119 5.2 77.4 116.2#

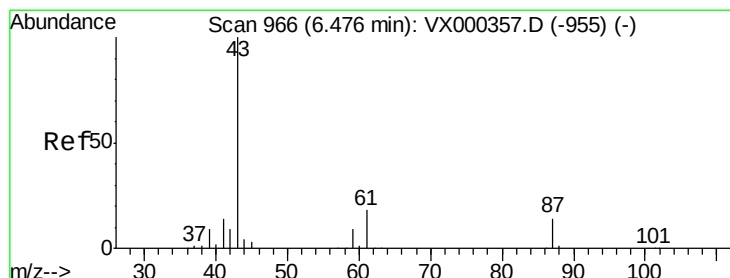
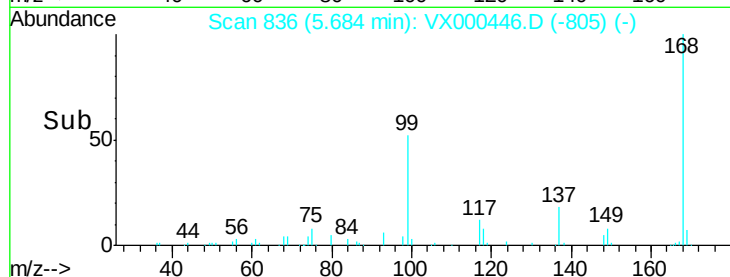
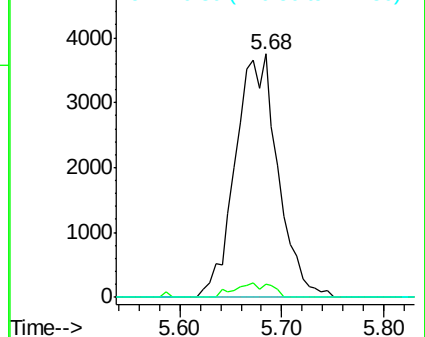
121 0.0 24.8 37.2#



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: 0.484 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000446.D

Acq: 26 Mar 2018 17:29

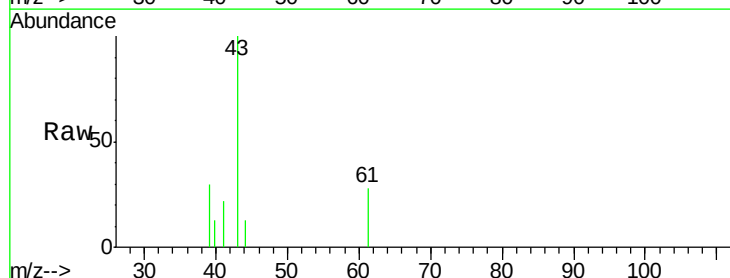
Tgt Ion: 43 Resp: 1694

Ion Ratio Lower Upper

43 100

61 12.9 14.4 21.6#

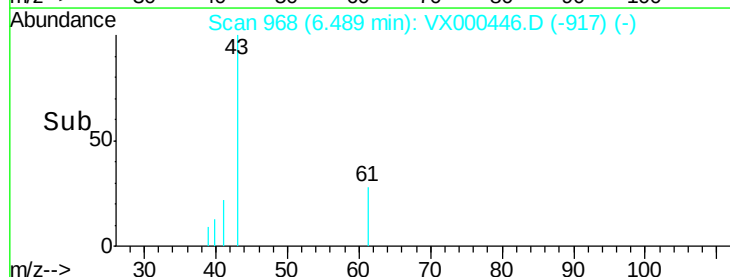
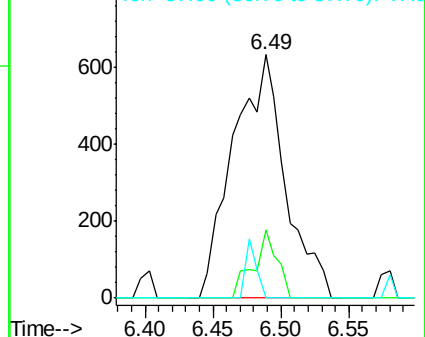
87 4.9 11.0 16.4#

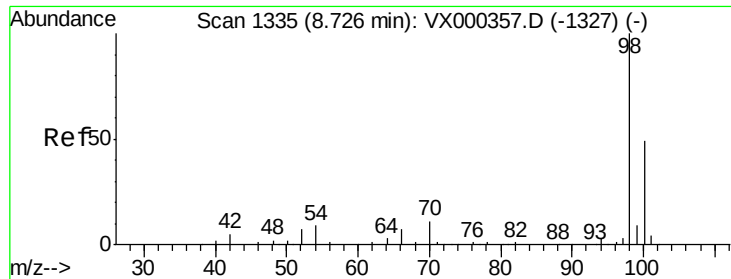


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 47.957 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000446.D

Acq: 26 Mar 2018 17:29

Instrument :

MSVOA_X

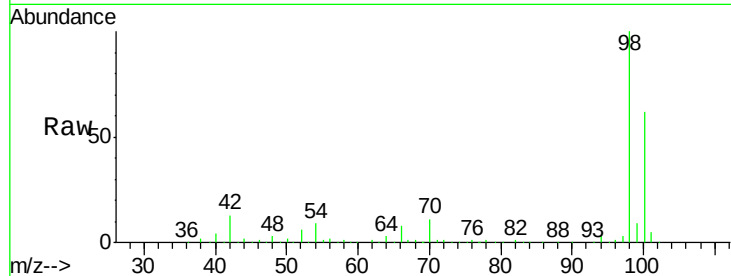
ClientSampleId :

Tot Ion: 98 Resp: 229926

Ion Ratio Lower Upper

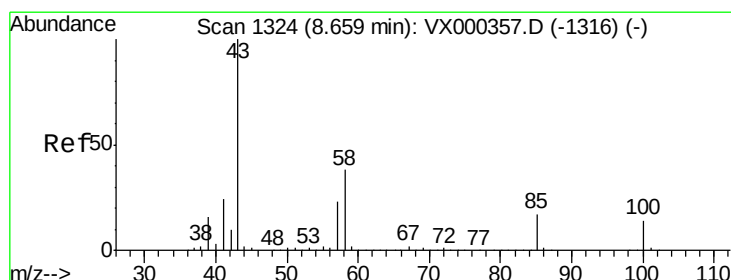
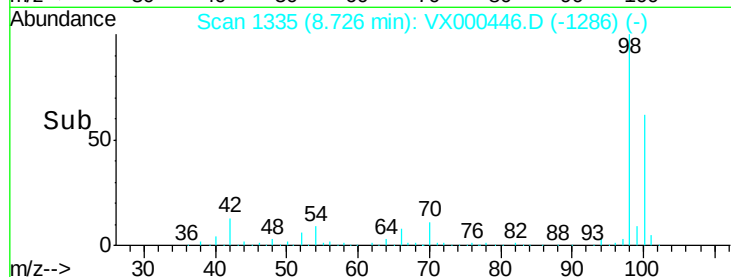
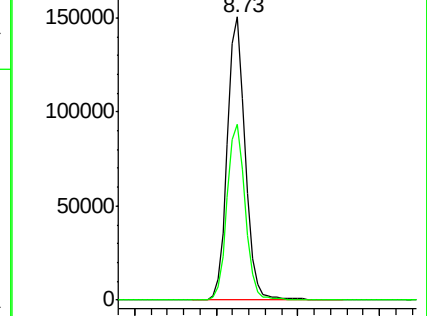
98 100

100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.327 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX000446.D

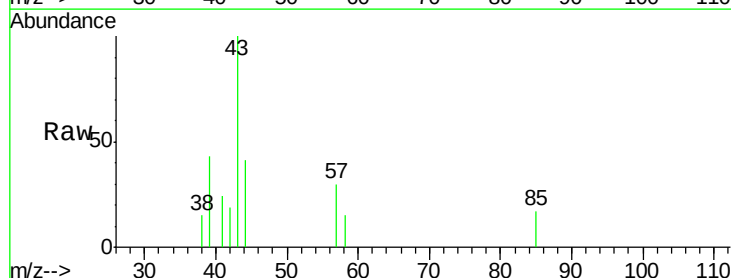
Acq: 26 Mar 2018 17:29

Tgt Ion: 43 Resp: 886

Ion Ratio Lower Upper

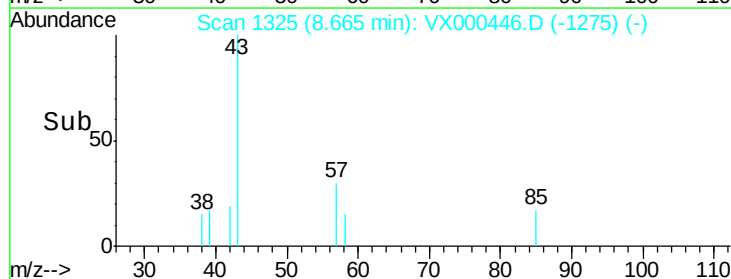
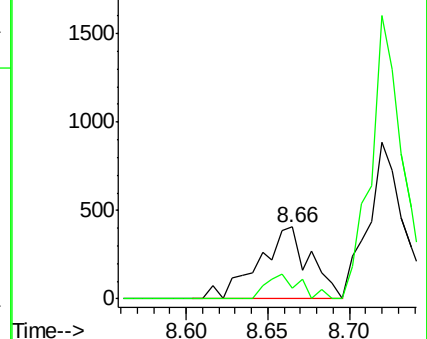
43 100

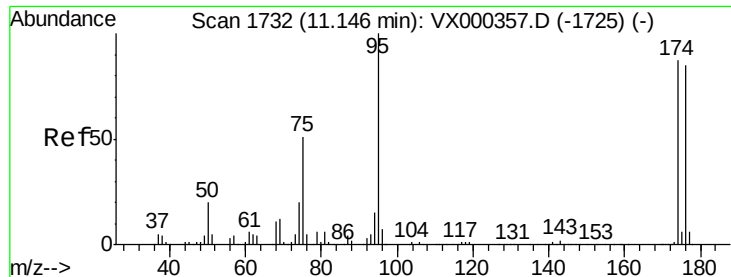
58 22.5 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

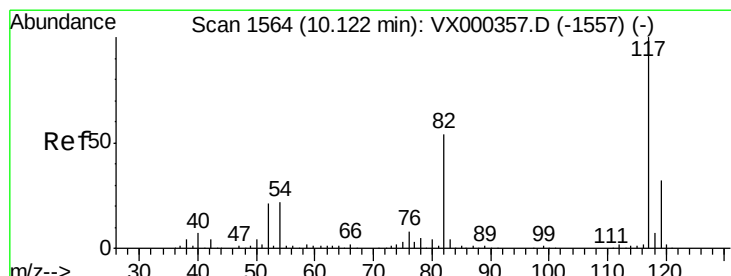
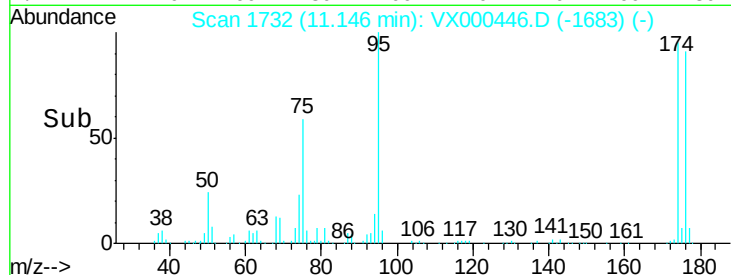
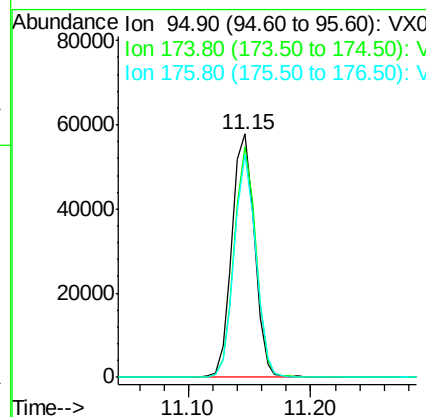
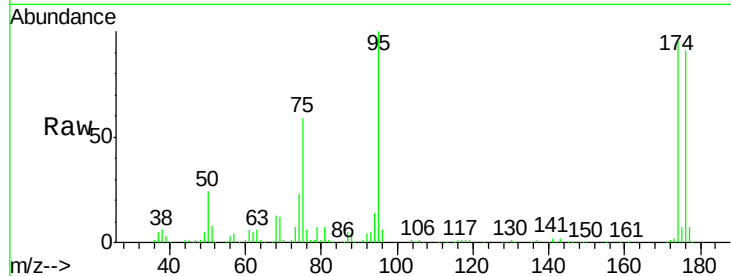




#62
4-Bromofluorobenzene
Concen: 38.114 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000446.D
Acq: 26 Mar 2018 17:29

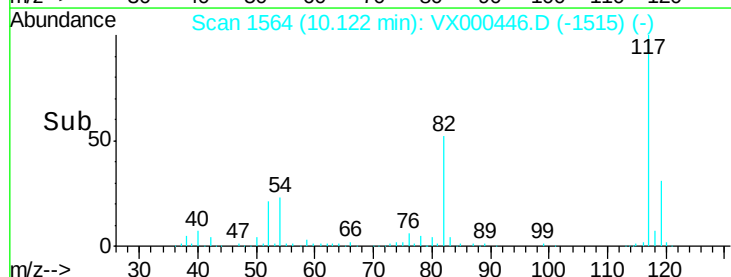
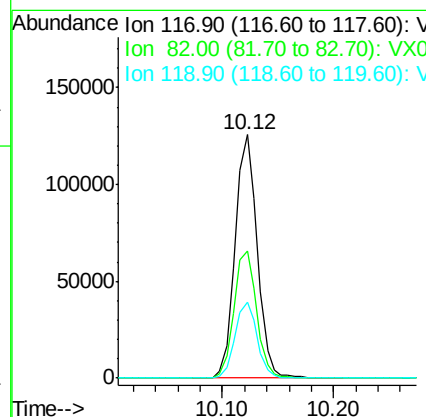
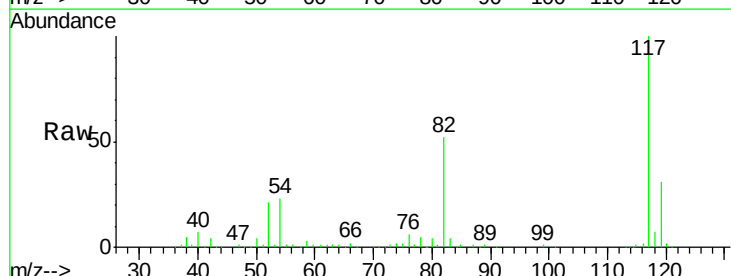
Instrument :
MSVOA_X
ClientSampleId :

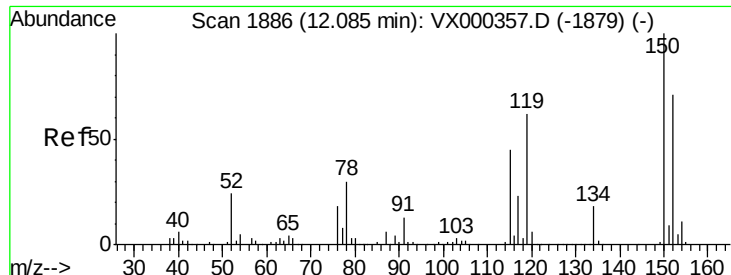
Tot Ion: 95 Resp: 73817
Ion Ratio Lower Upper
95 100
174 90.8 0.0 173.6
176 87.1 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000446.D
Acq: 26 Mar 2018 17:29

Tgt Ion: 117 Resp: 172802
Ion Ratio Lower Upper
117 100
82 52.0 43.8 65.8
119 31.1 24.9 37.3



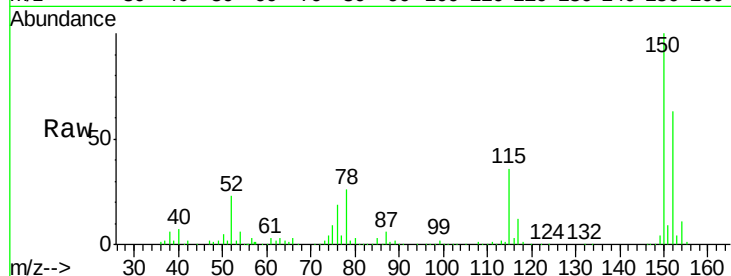


#72

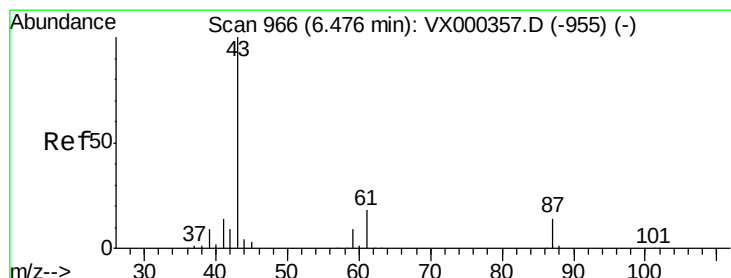
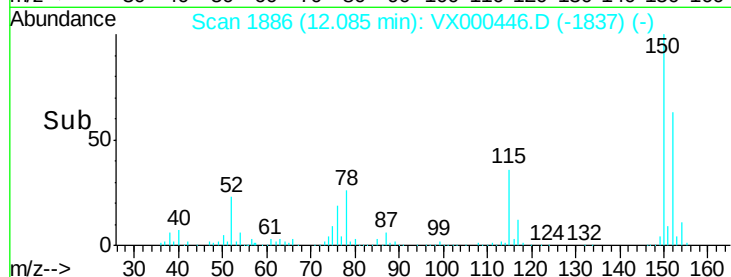
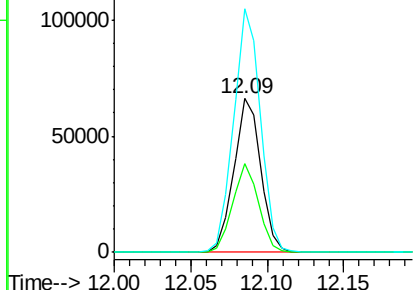
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000446.D
Acq: 26 Mar 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 80472
Ion Ratio Lower Upper
152 100
115 55.6 39.8 119.3
150 157.2 0.0 344.4



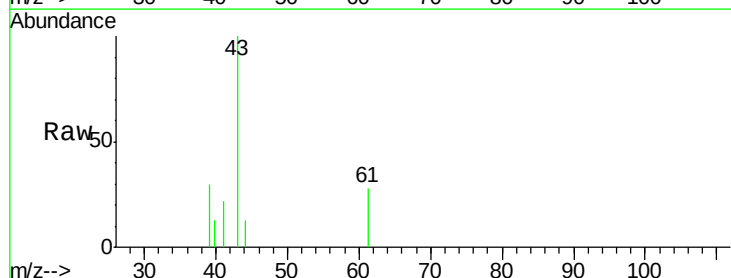
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



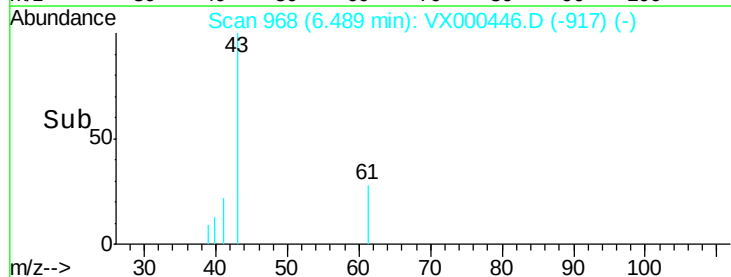
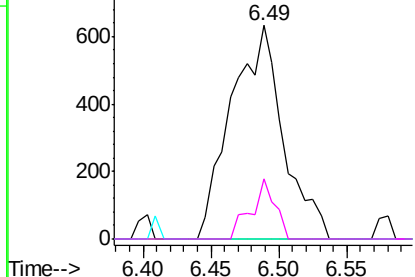
#74

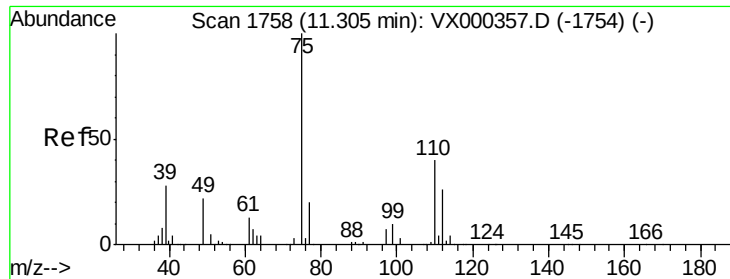
N-amyl acetate
Concen: Below Cal
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX000446.D
Acq: 26 Mar 2018 17:29

Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 12.9 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

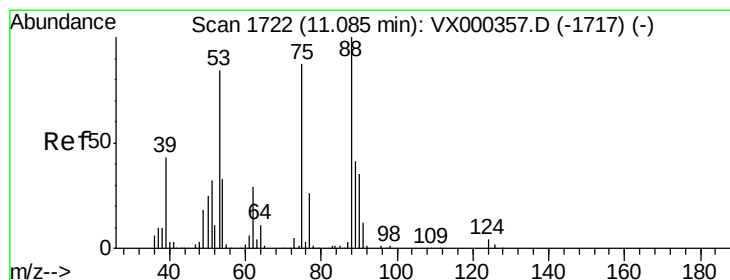
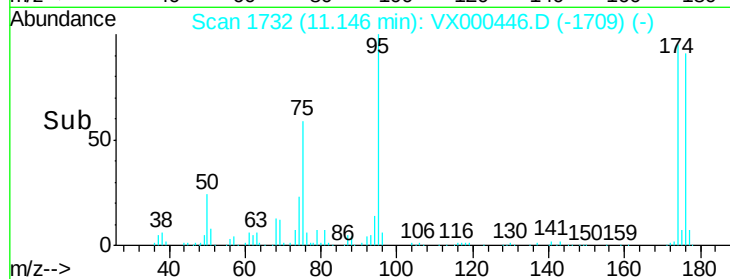
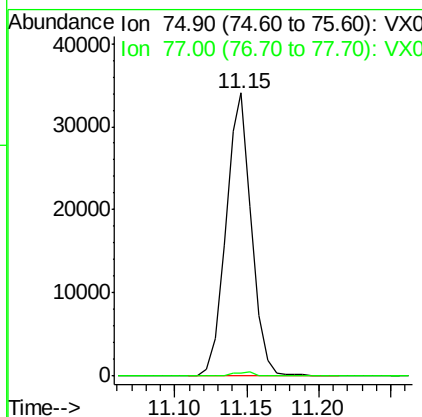
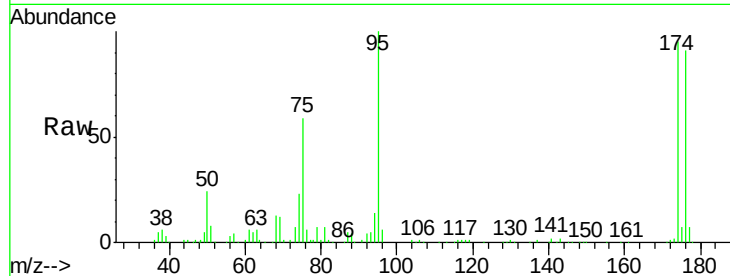




#76
 1,2,3-Trichloropropane
 Concen: 24.406 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000446.D
 Acq: 26 Mar 2018 17:29

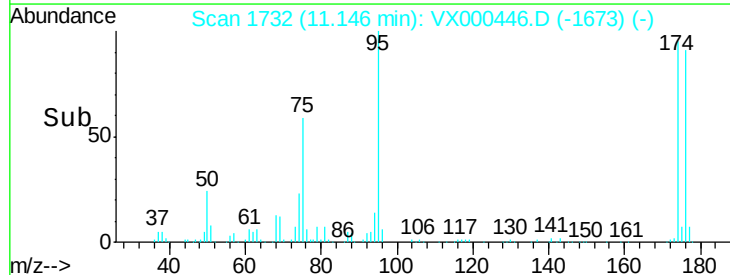
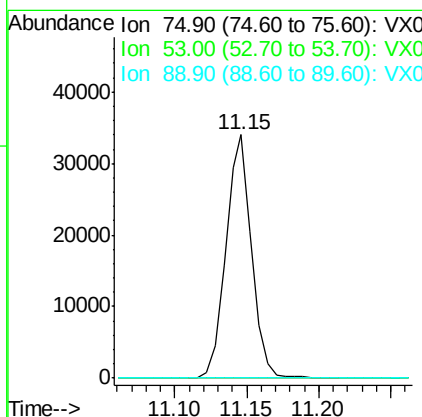
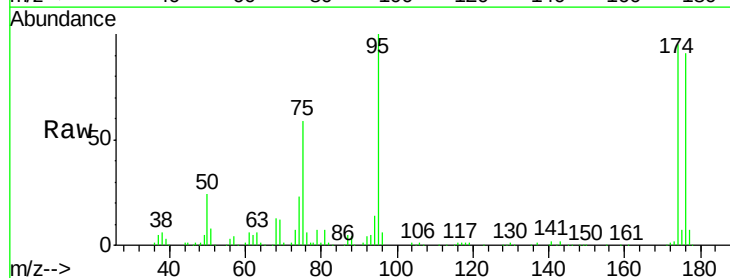
Instrument :
 MSVOA_X
 ClientSampleId :

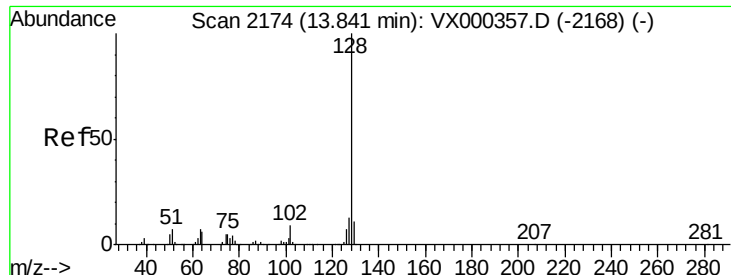
Tot Ion: 75 Resp: 42208
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.015 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000446.D
 Acq: 26 Mar 2018 17:29

Tgt Ion: 75 Resp: 42208
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.1 39.4 59.0#

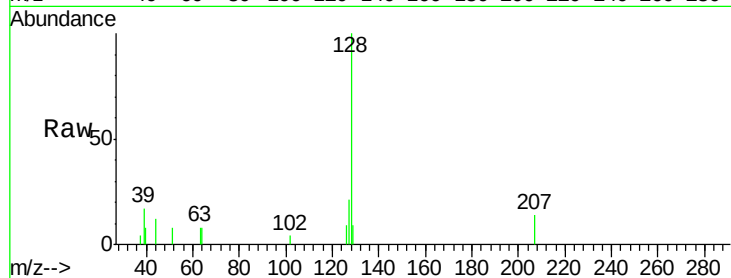




#95
Naphthalene
Concen: 0.236 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. 0.01 min
Lab File: VX000446.D
Acq: 26 Mar 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.6	15.8#
129	5.1	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

