

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000932.D
 Acq On : 16 Apr 2018 20:56
 Operator : JC/MD
 Sample : J2308-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 02:37:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	260413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	355780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	213591	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	157857	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	5.51	113	124315	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	
50) Toluene-d8	8.72	98	494634	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	11.14	95	192544	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

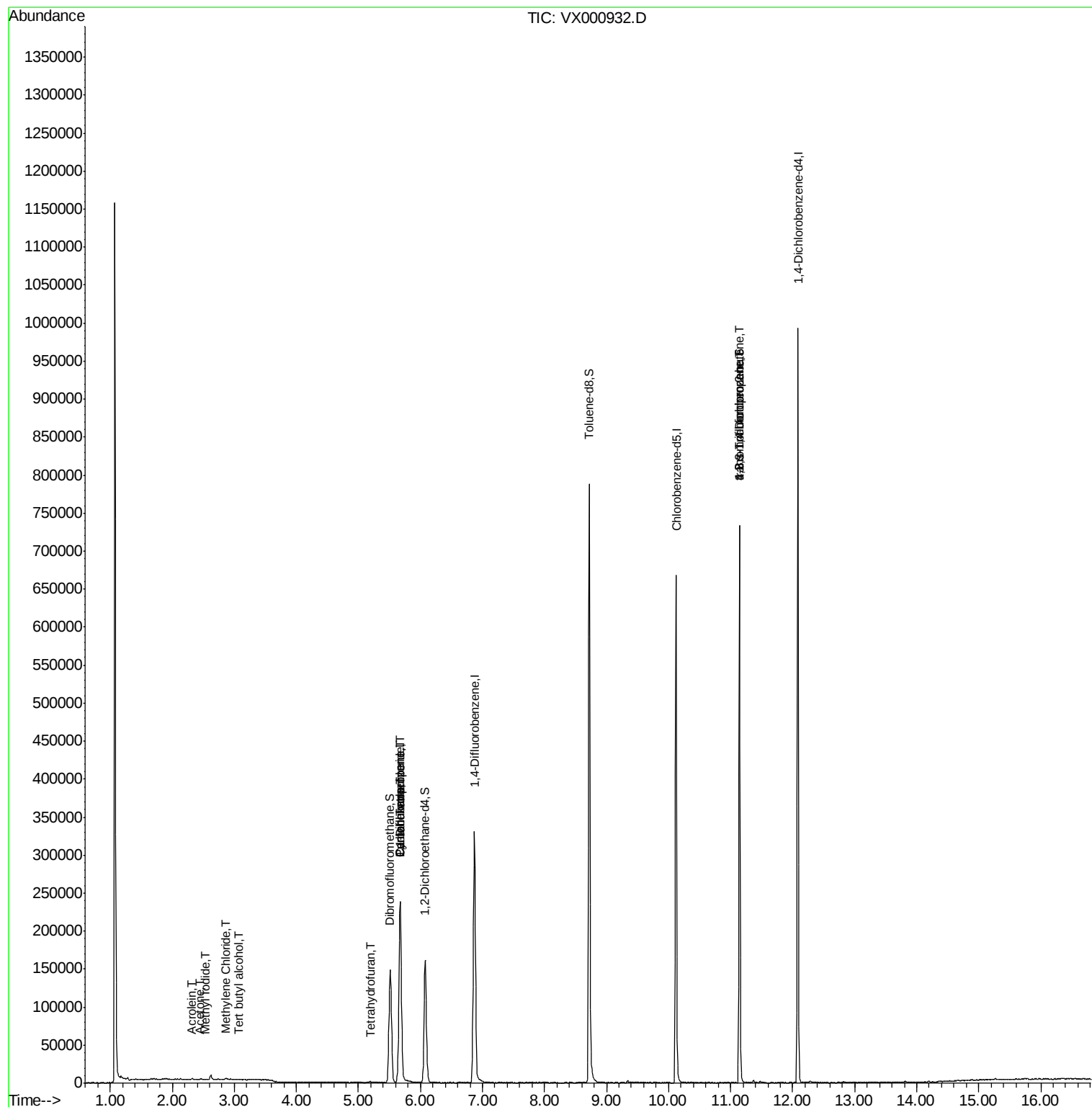
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	99	Below Cal	#	2
10) Methyl Iodide	2.53	142	23	8.240	ug/l #	42
11) Tert butyl alcohol	3.08	59	312	0.535	ug/l #	1
13) Acrolein	2.31	56	114	0.403	ug/l #	69
16) Acetone	2.44	43	609	0.538	ug/l	97
20) Methylene Chloride	2.86	84	898	0.341	ug/l #	80
29) Tetrahydrofuran	5.19	42	1375	1.158	ug/l #	76
31) Cyclohexane	5.67	56	4635	1.071	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	16137	4.118	ug/l #	48
38) Carbon Tetrachloride	5.68	117	22272	5.078	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	94246	25.585	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	94246	70.380	ug/l #	11

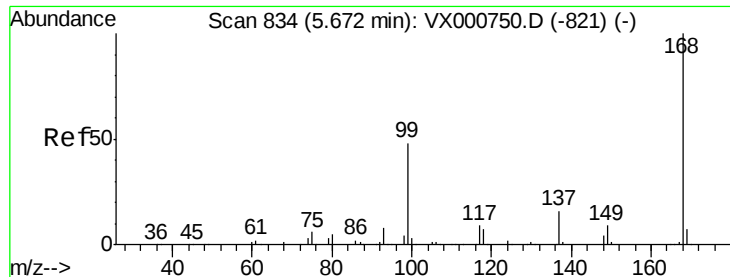
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000932.D

Acq: 16 Apr 2018 20:56

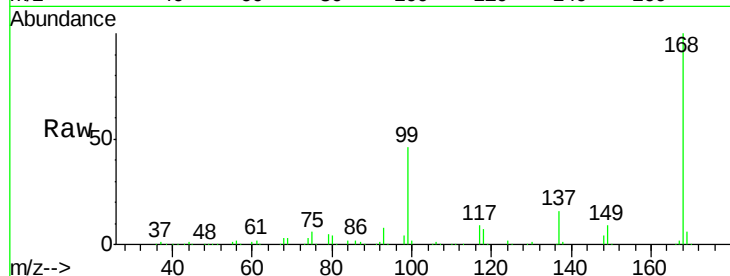
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 260413

Ion Ratio Lower Upper

168 100

99 45.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

100000

80000

60000

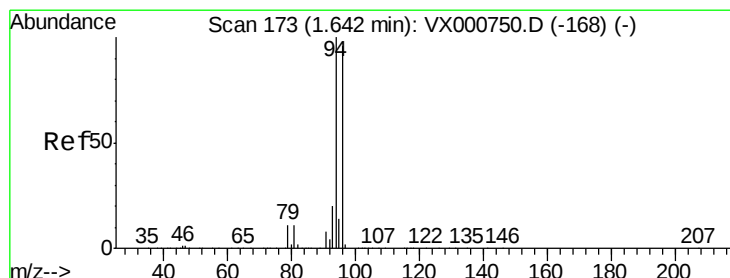
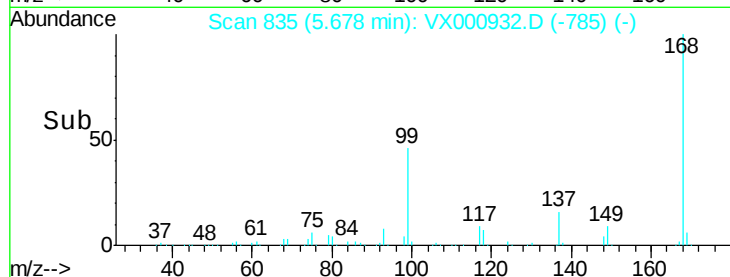
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX000932.D

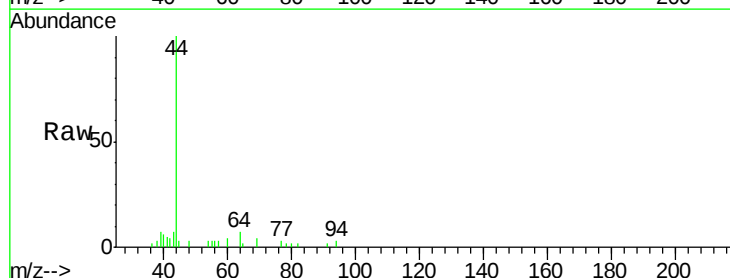
Acq: 16 Apr 2018 20:56

Tgt Ion: 94 Resp: 99

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

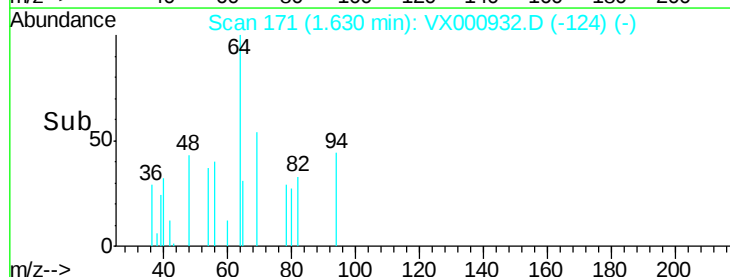
100

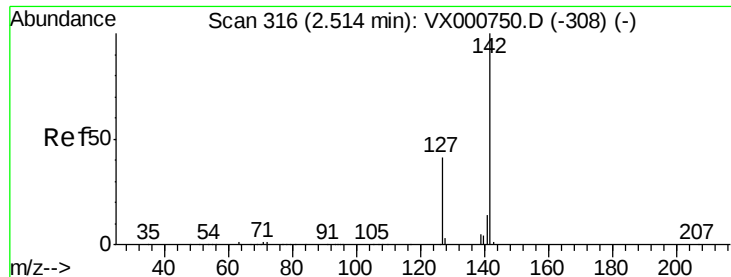
50

0

Time-->

1.60 1.61 1.62 1.63 1.64

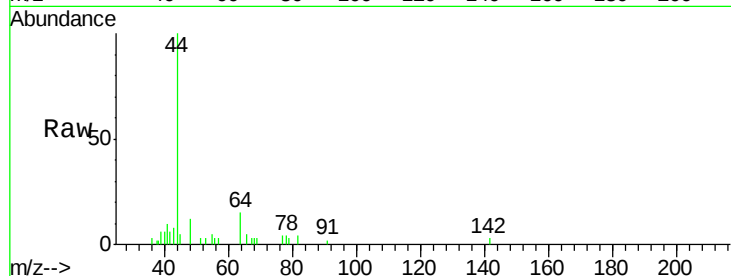




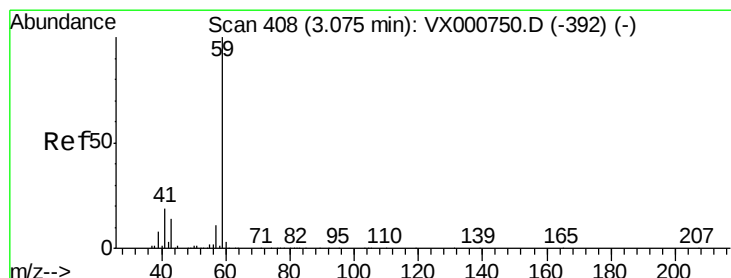
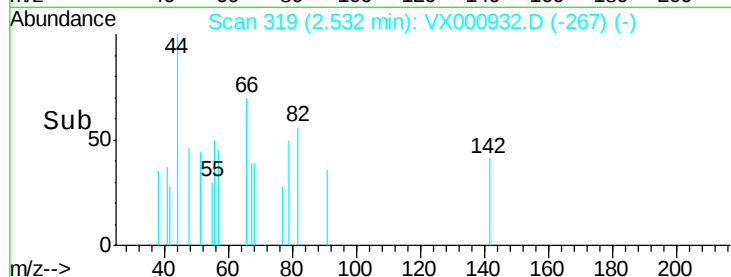
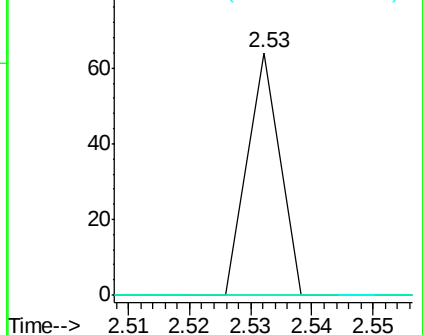
#10
Methvl Iodide
Concen: 8.240 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX000932.D
Acq: 16 Apr 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#

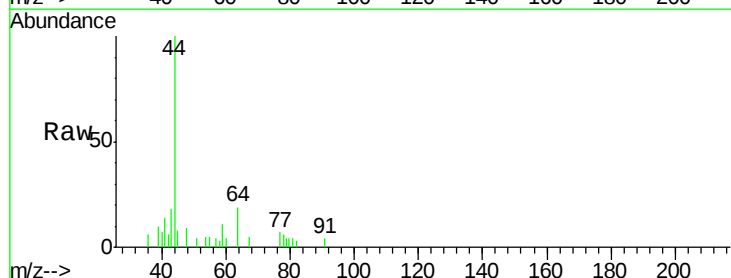


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

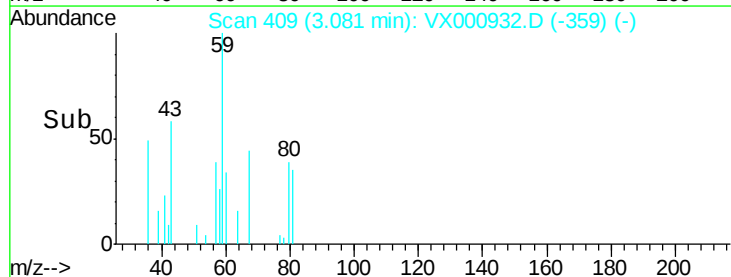
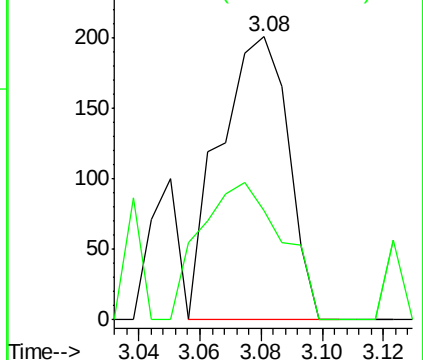


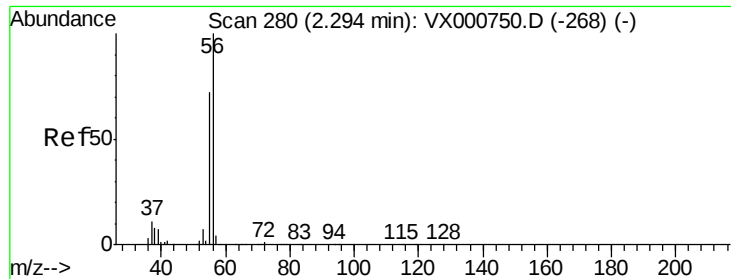
#11
Tert butyl alcohol
Concen: 0.535 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000932.D
Acq: 16 Apr 2018 20:56

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 58.3 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.403 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000932.D

Acq: 16 Apr 2018 20:56

Instrument :

MSVOA_X

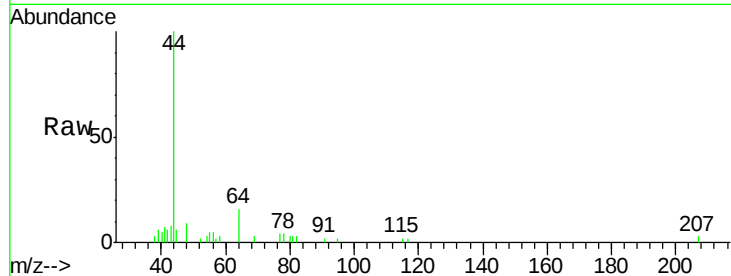
ClientSampled :

Tot Ion: 56 Resp: 114

Ion Ratio Lower Upper

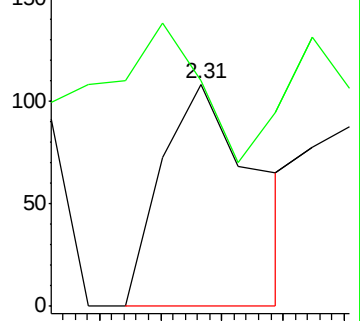
56 100

55 47.4 58.7 88.1#

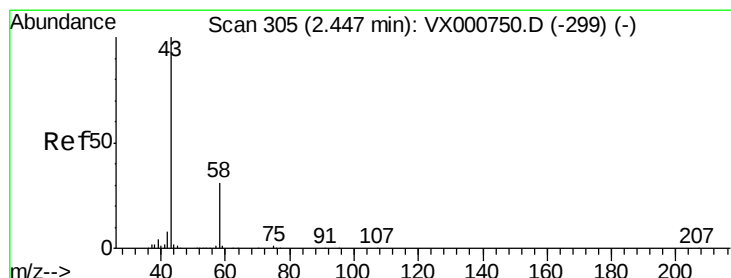
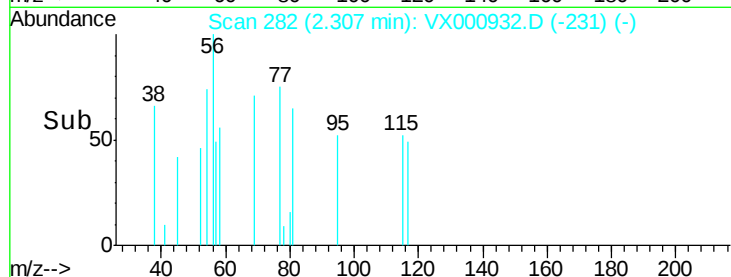


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.538 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX000932.D

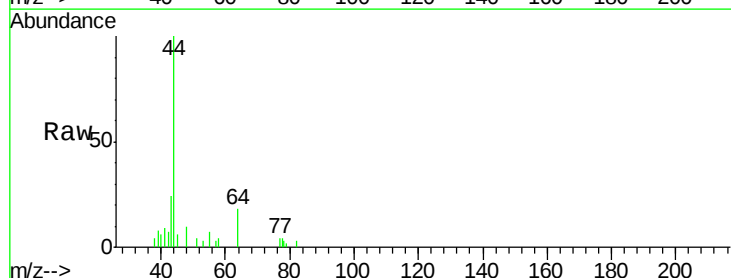
Acq: 16 Apr 2018 20:56

Tgt Ion: 43 Resp: 609

Ion Ratio Lower Upper

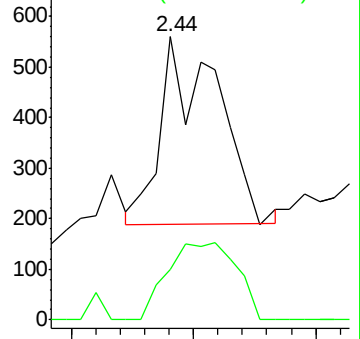
43 100

58 28.9 24.6 37.0

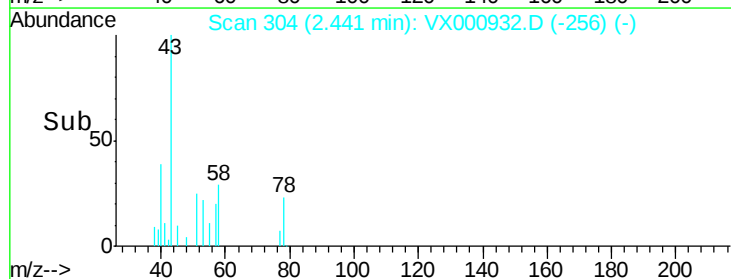


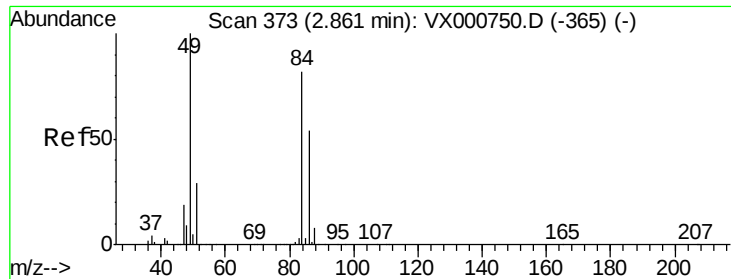
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#20

Methvlene Chloride

Concen: 0.341 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000932.D

Acq: 16 Apr 2018 20:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 898

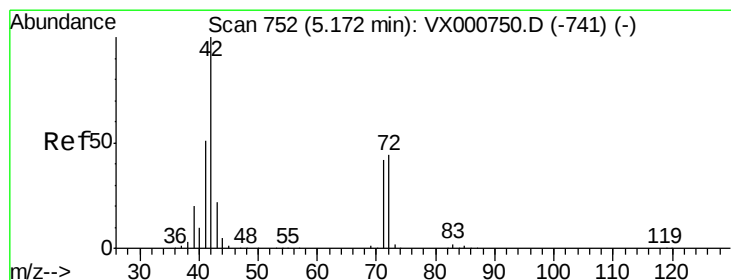
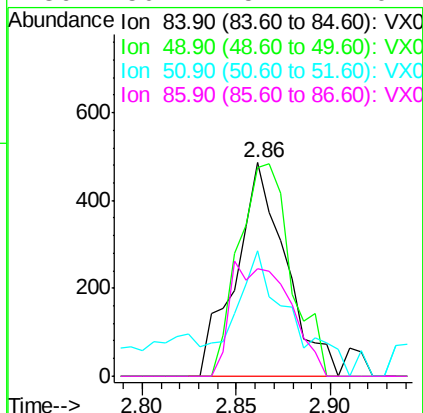
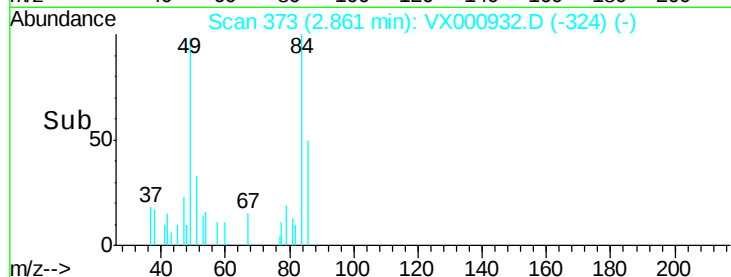
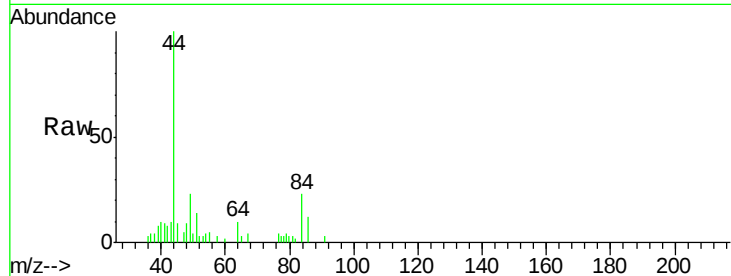
Ion Ratio Lower Upper

84 100

49 97.9 98.1 147.1#

51 45.9 28.9 43.3#

86 50.2 52.7 79.1#



#29

Tetrahydrofuran

Concen: 1.158 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX000932.D

Acq: 16 Apr 2018 20:56

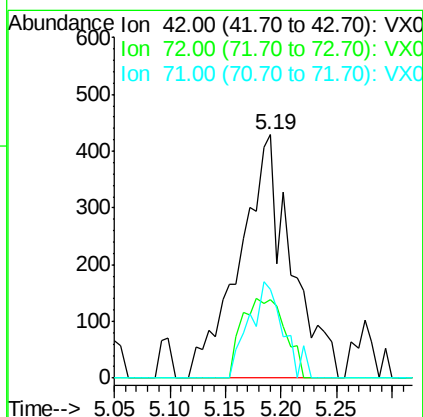
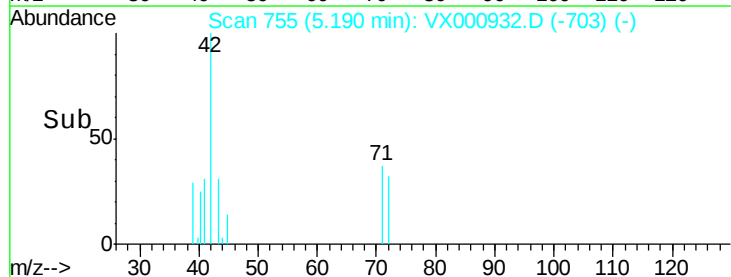
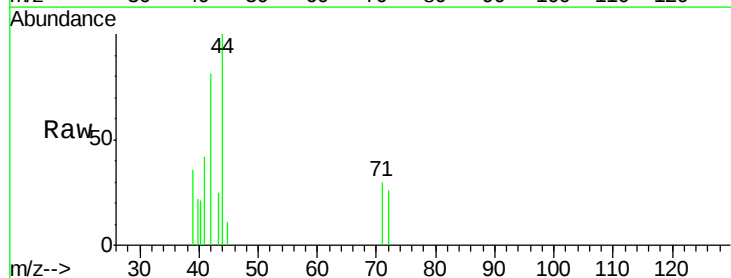
Tgt Ion: 42 Resp: 1375

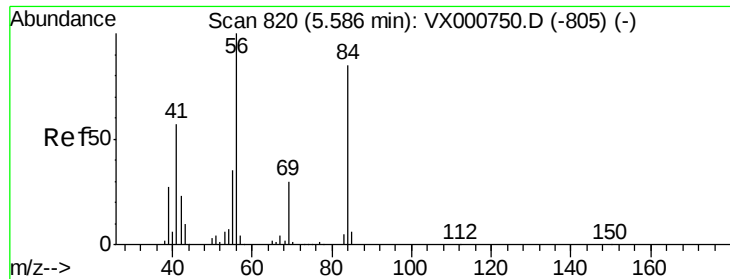
Ion Ratio Lower Upper

42 100

72 27.7 35.1 52.7#

71 26.3 32.8 49.2#

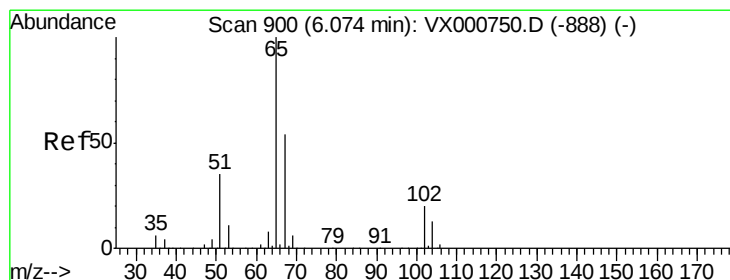
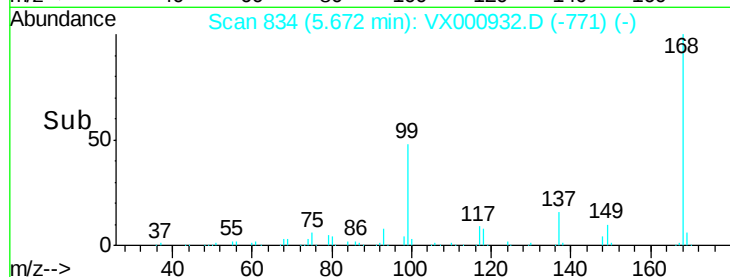
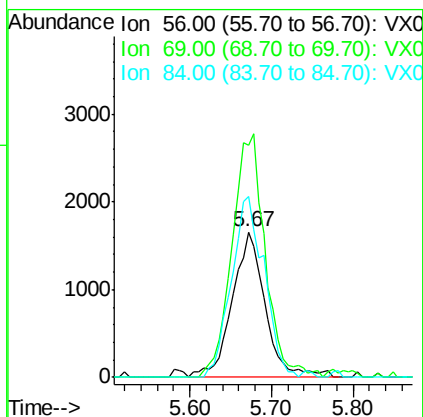
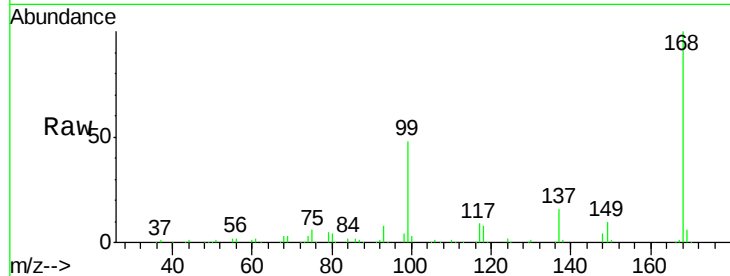




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000932.D
Acq: 16 Apr 2018 20:56

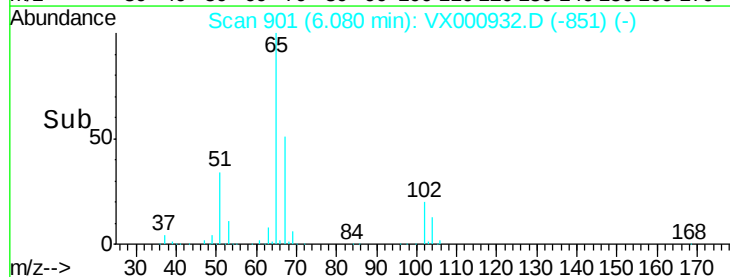
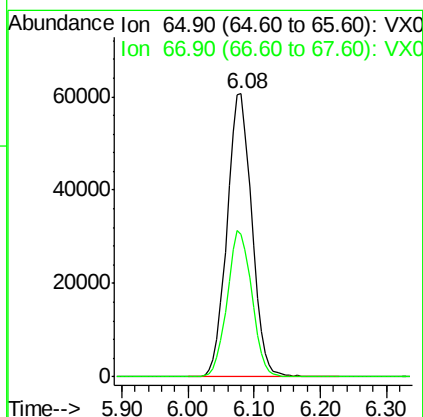
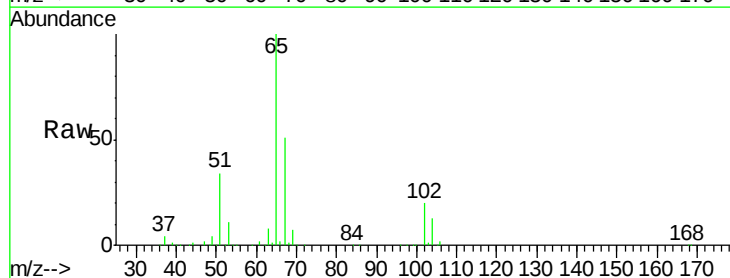
Instrument :
MSVOA_X
ClientSampleId :

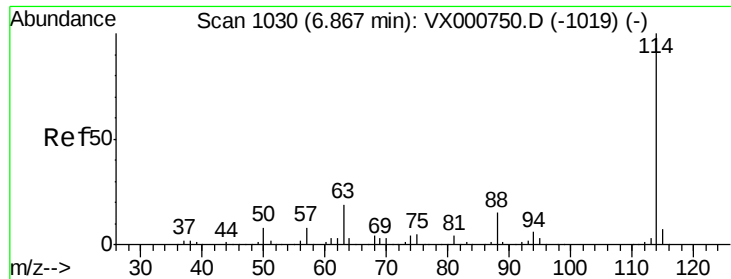
Tot Ion: 56 Resp: 4635
Ion Ratio Lower Upper
56 100
69 159.4 24.2 36.4#
84 124.1 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.076 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000932.D
Acq: 16 Apr 2018 20:56

Tgt Ion: 65 Resp: 157857
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000932.D

Acq: 16 Apr 2018 20:56

Instrument :

MSVOA_X

ClientSampleId :

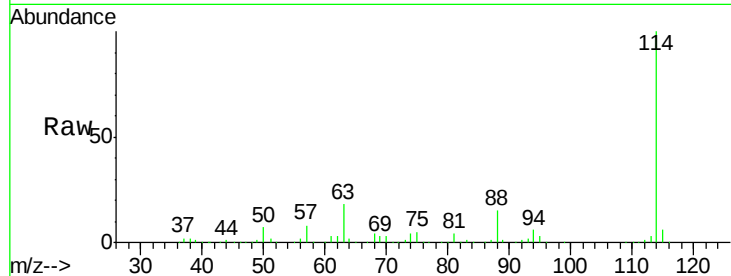
Tot Ion:114 Resp: 355780

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

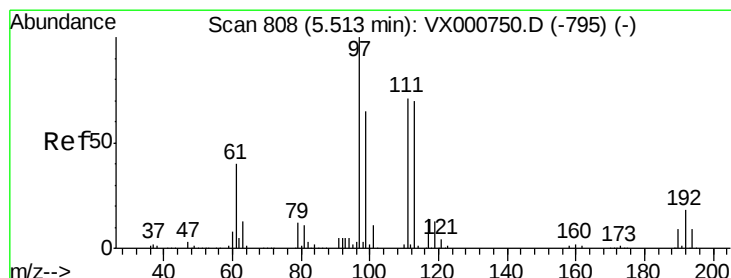
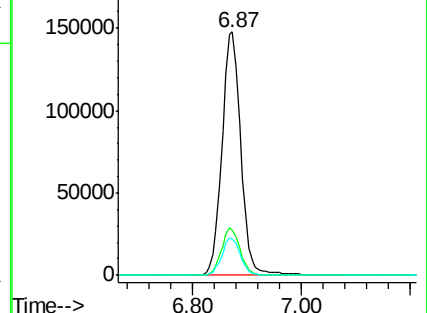
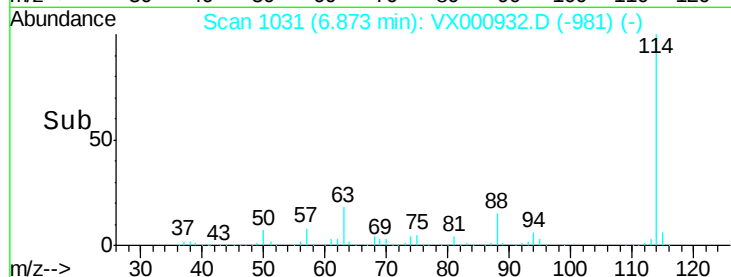
88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.353 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000932.D

Acq: 16 Apr 2018 20:56

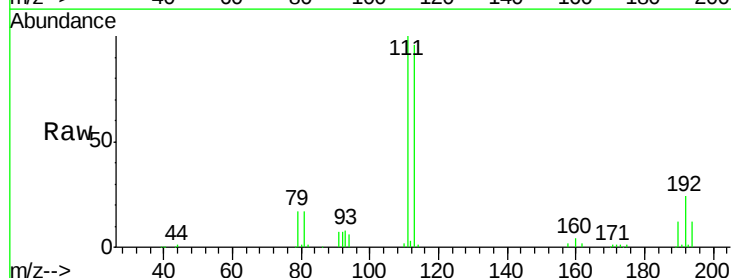
Tgt Ion:113 Resp: 124315

Ion Ratio Lower Upper

113 100

111 102.0 81.5 122.3

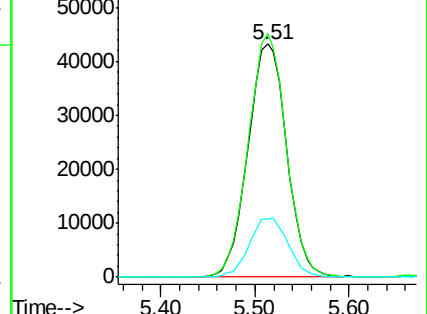
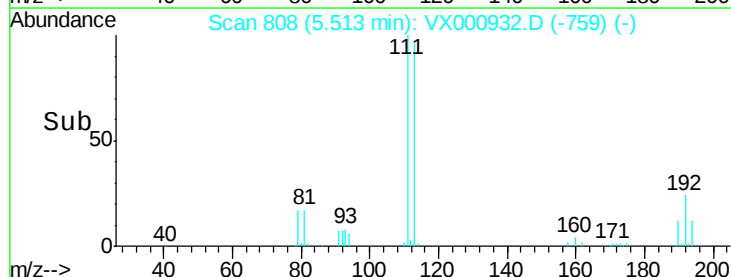
192 25.5 20.4 30.6

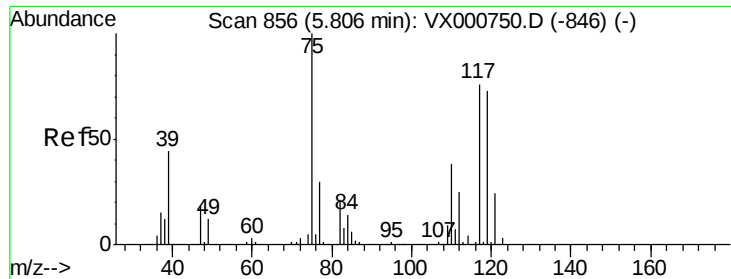


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

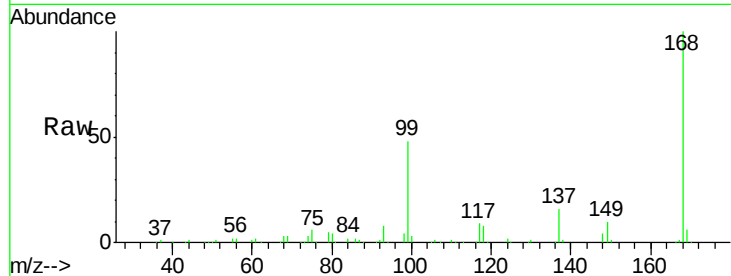




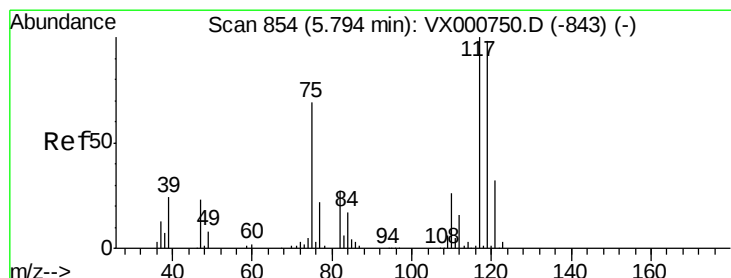
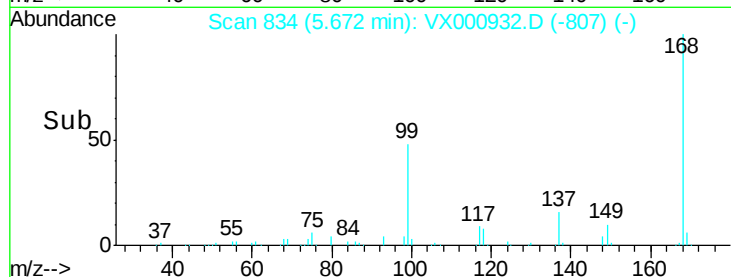
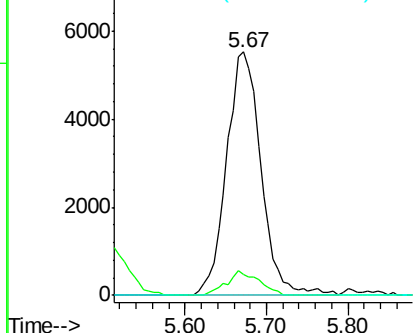
#36
 1,1-Dichloropropene
 Concen: 4.118 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000932.D
 Acq: 16 Apr 2018 20:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.2	57.6#
77	0.0	25.4	38.2#

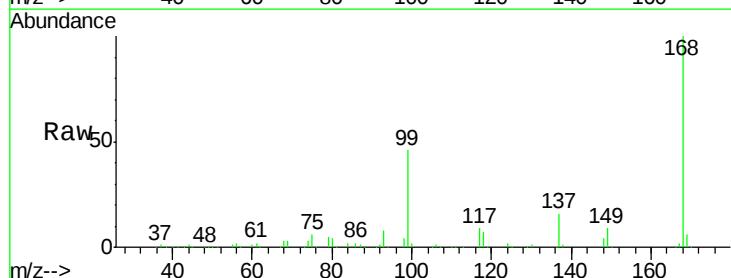


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

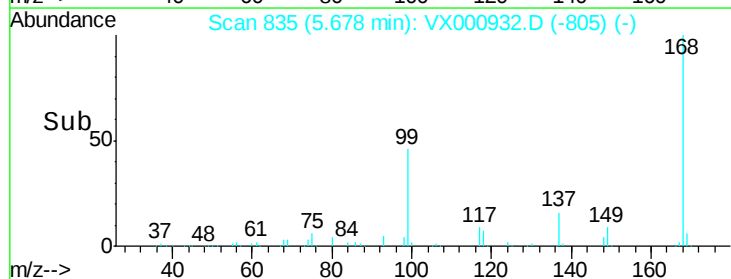
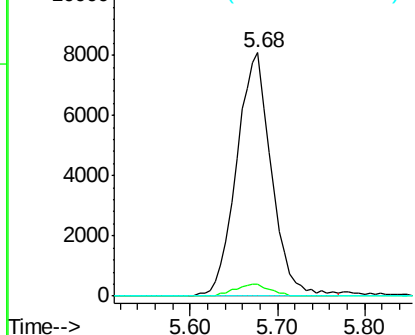


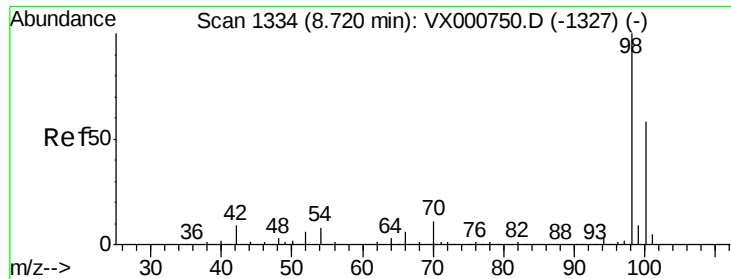
#38
 Carbon Tetrachloride
 Concen: 5.078 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000932.D
 Acq: 16 Apr 2018 20:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.4	117.6#
121	0.0	25.4	38.0#



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





#50

Toluene-d8

Concen: 48.465 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX000932.D

Acq: 16 Apr 2018 20:56

Instrument :

MSVOA_X

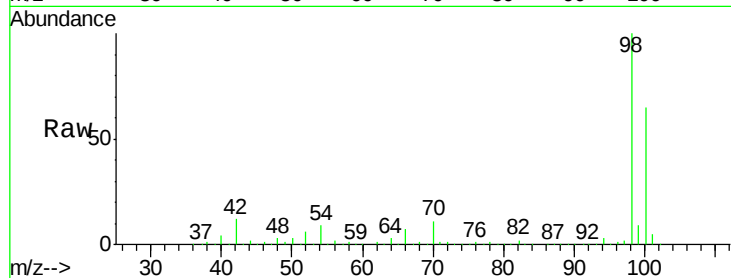
ClientSampleId :

Tot Ion: 98 Resp: 494634

Ion Ratio Lower Upper

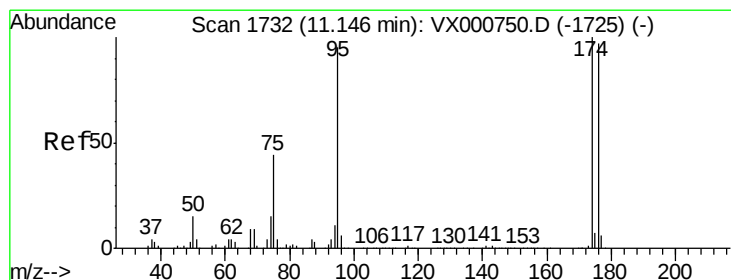
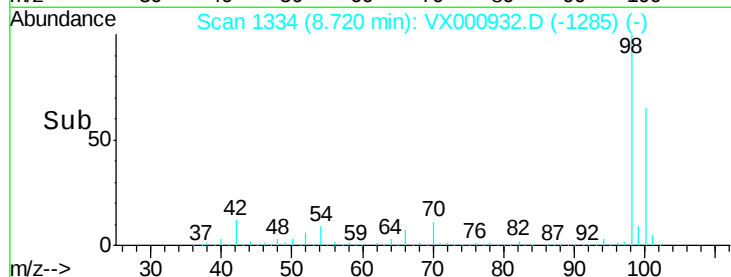
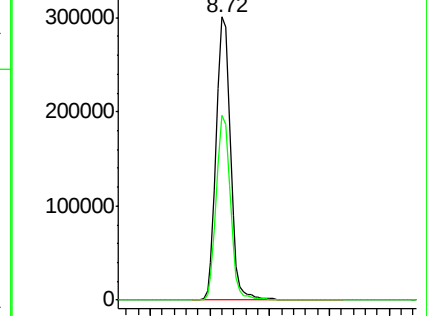
98 100

100 64.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.599 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000932.D

Acq: 16 Apr 2018 20:56

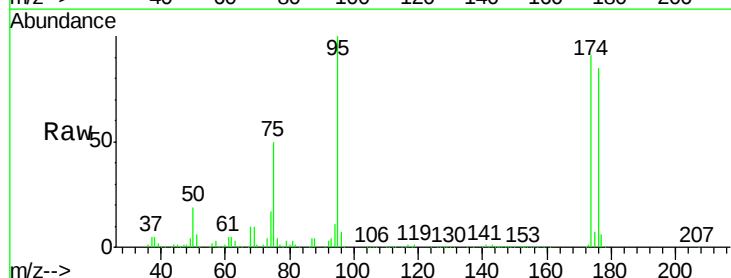
Tgt Ion: 95 Resp: 192544

Ion Ratio Lower Upper

95 100

174 97.7 0.0 198.4

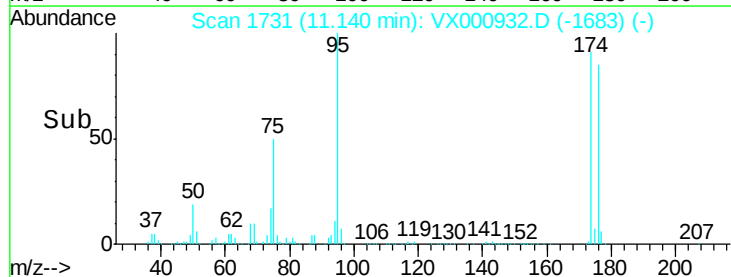
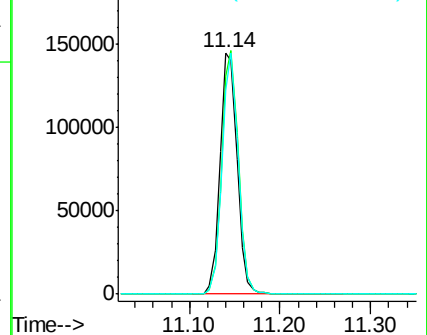
176 94.2 0.0 194.4

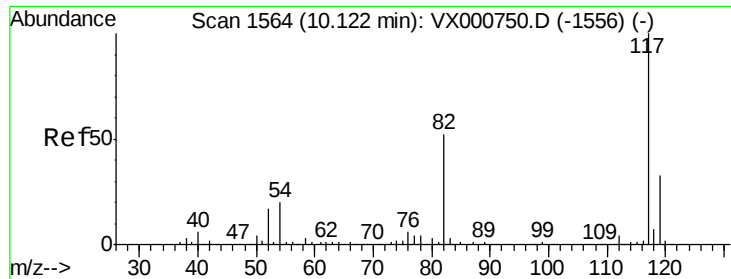


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

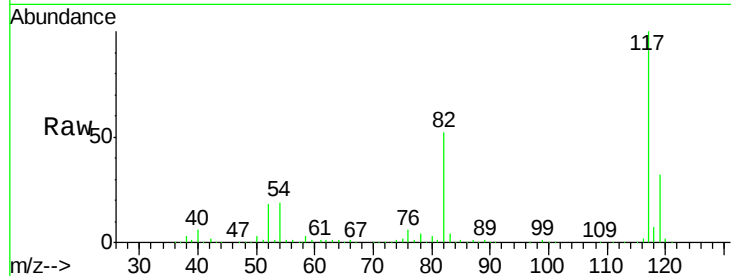




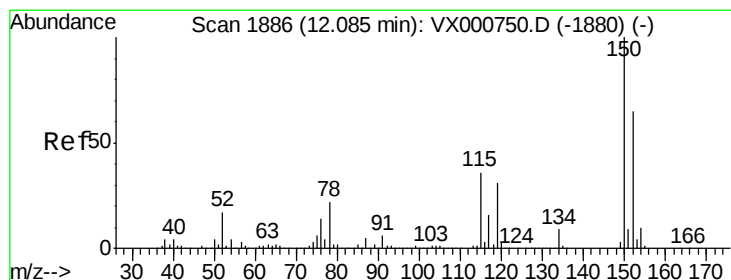
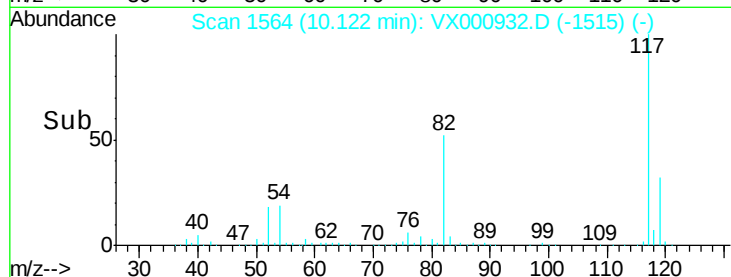
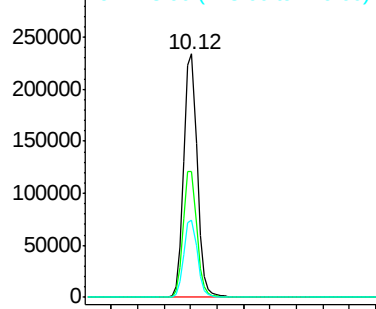
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000932.D
Acq: 16 Apr 2018 20:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 329096
Ion Ratio Lower Upper
117 100
82 51.7 41.9 62.9
119 31.7 26.0 39.0

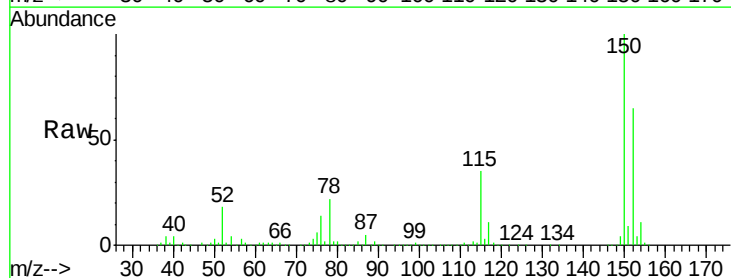


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

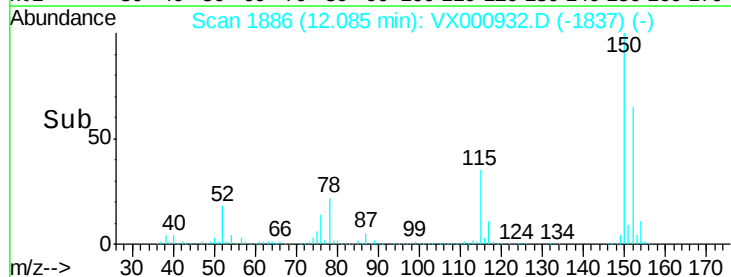
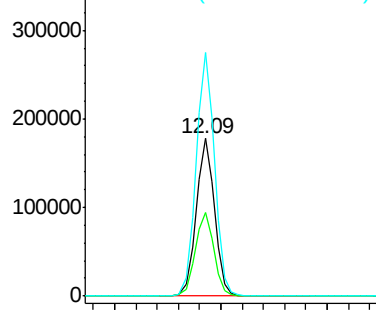


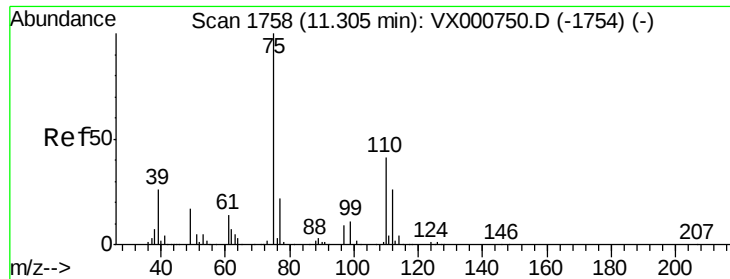
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000932.D
Acq: 16 Apr 2018 20:56

Tgt Ion:152 Resp: 213591
Ion Ratio Lower Upper
152 100
115 53.8 37.9 113.7
150 155.8 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

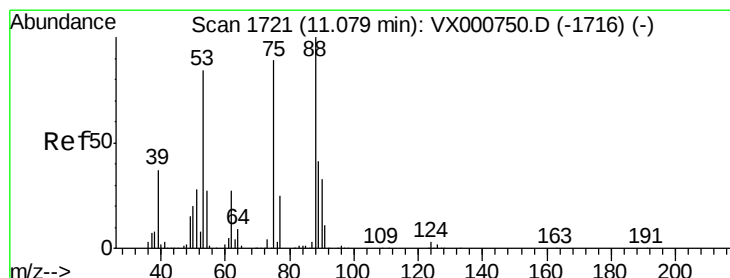
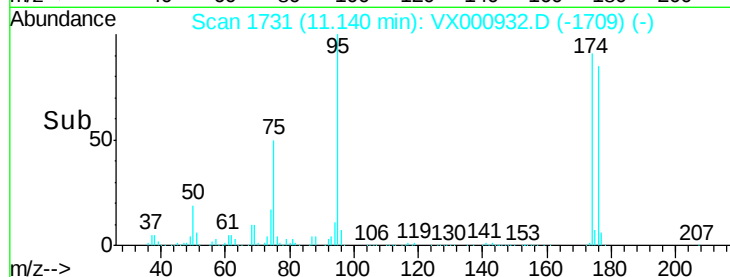
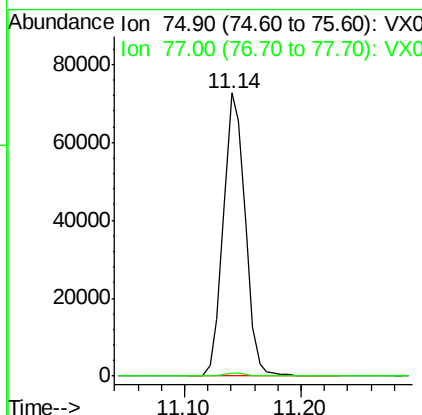
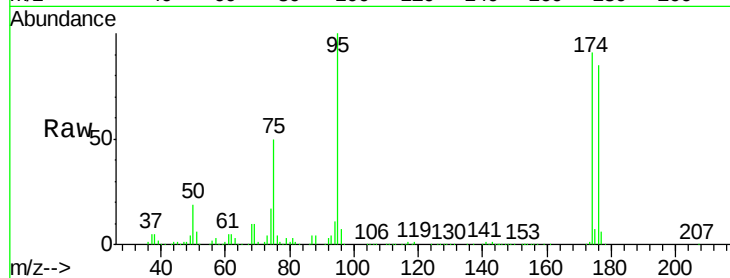




#76
 1,2,3-Trichloropropane
 Concen: 25.585 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000932.D
 Acq: 16 Apr 2018 20:56

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 94246
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.380 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000932.D
 Acq: 16 Apr 2018 20:56

Tgt Ion: 75 Resp: 94246
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

