

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
 Data File : VX005740.D
 Acq On : 01 Nov 2018 20:05
 Operator : JC/MD
 Sample : PB114370ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#06

Quant Time: Nov 02 04:20:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	123866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	200244	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	174130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	73352	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	95114	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.04%		
35) Dibromofluoromethane	5.51	113	66939	48.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.56%		
50) Toluene-d8	8.71	98	252889	52.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.00%		
62) 4-Bromofluorobenzene	11.14	95	77554	43.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.42%		

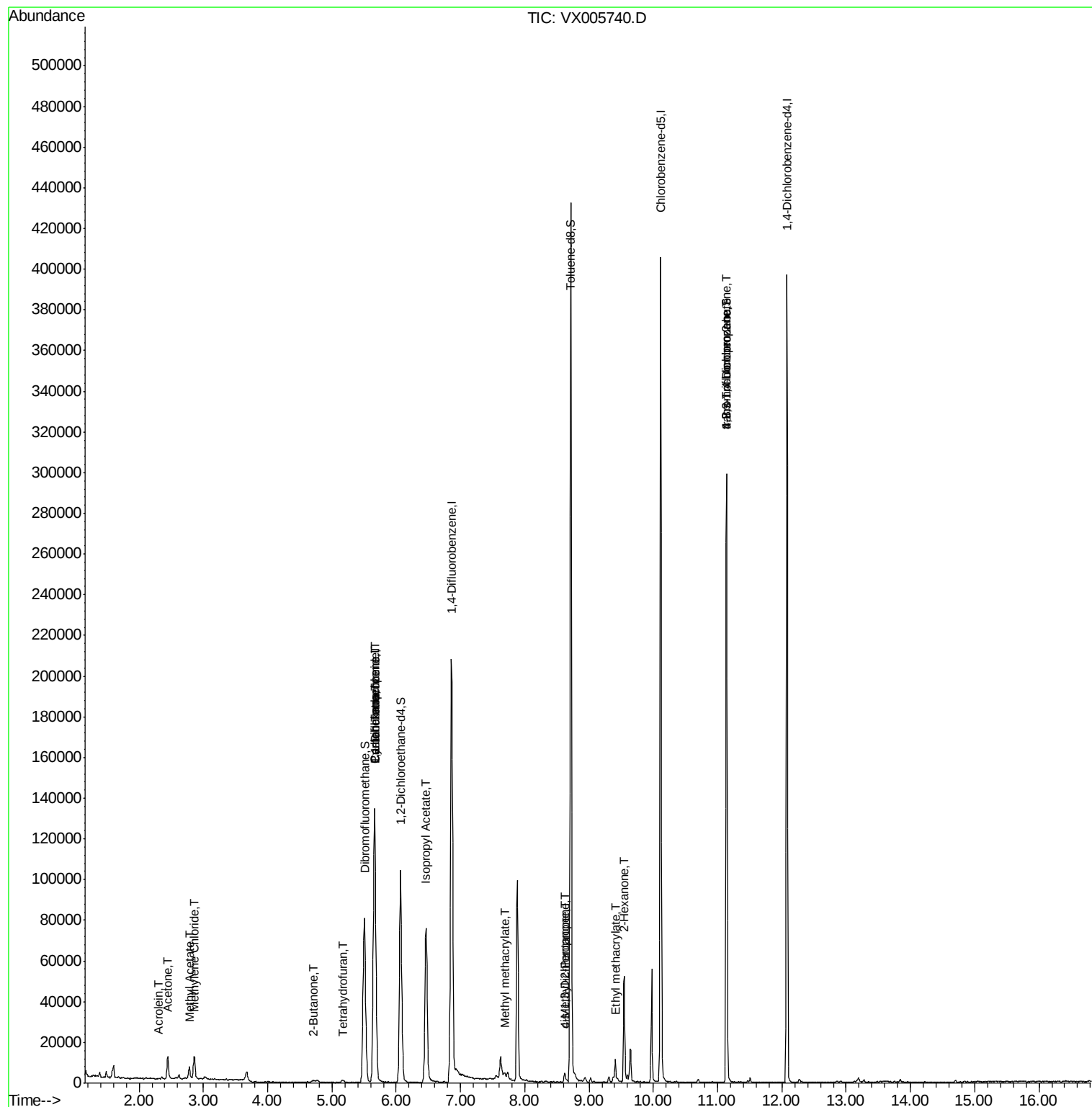
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	43	Below Cal	#	42
13) Acrolein	2.29	56	28	12.259	ug/l #	1
16) Acetone	2.45	43	11736	3.412	ug/l	96
18) Methyl Acetate	2.78	43	6893	2.652	ug/l #	89
20) Methylene Chloride	2.85	84	4698	3.008	ug/l	91
25) 2-Butanone	4.71	43	2008	1.314	ug/l #	87
29) Tetrahydrofuran	5.17	42	887	0.951	ug/l #	83
31) Cyclohexane	5.67	56	3070	1.269	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	10657	4.995	ug/l #	49
38) Carbon Tetrachloride	5.67	117	11805	6.125	ug/l #	16
43) Isopropyl Acetate	6.46	43	100021	25.319	ug/l	96
48) Methyl methacrylate	7.69	41	3888	2.033	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	2038	0.757	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	592	0.261	ug/l #	70
56) Ethyl methacrylate	9.40	69	215	2.552	ug/l #	1
59) 2-Hexanone	9.55	43	6102	2.784	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	41231	22.569	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	41231	72.918	ug/l #	9

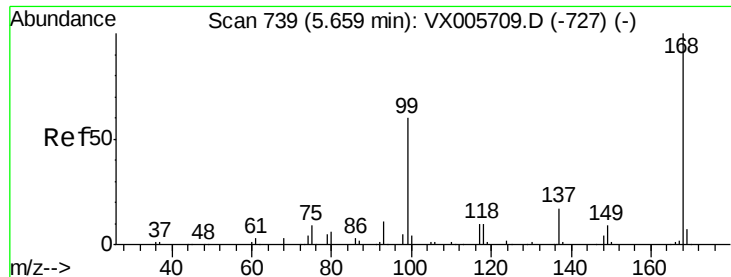
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

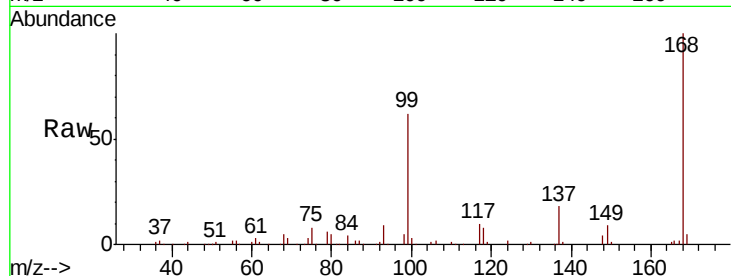
PB114370ZHE#06

Tgt Ion:168 Resp: 123866

Ion Ratio Lower Upper

168 100

99 61.9 40.7 61.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

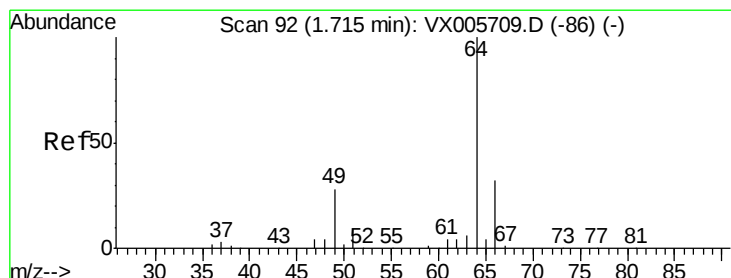
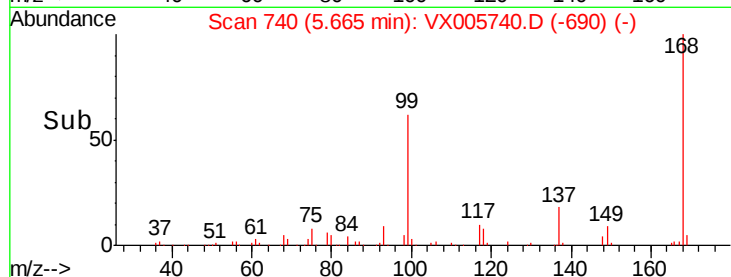
20000

10000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX005740.D

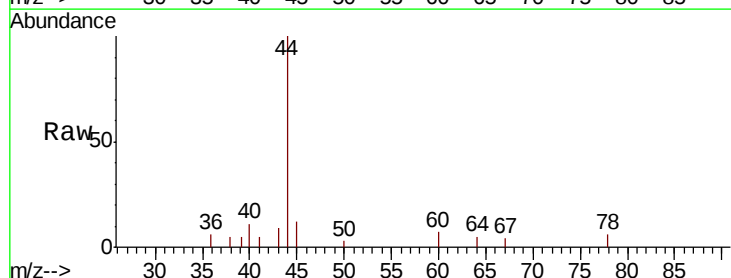
Acq: 01 Nov 2018 20:05

Tgt Ion: 64 Resp: 43

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

60

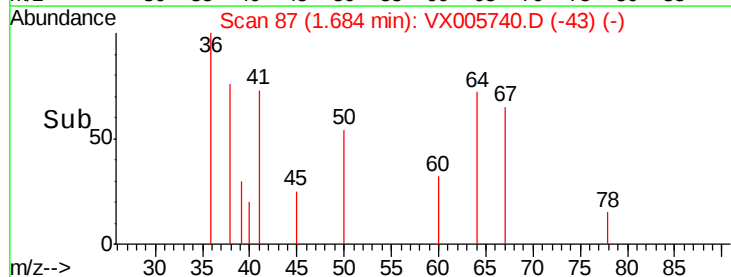
40

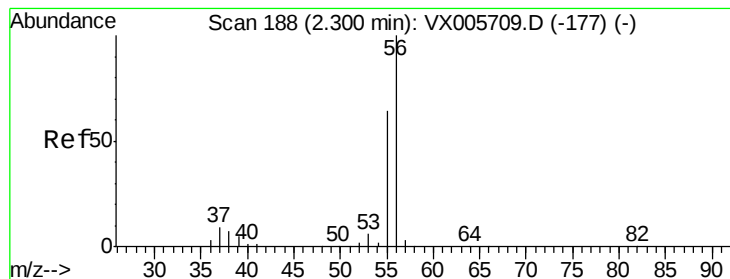
20

0

Time-->

1.66 1.68 1.70





#13

Acrolein

Concen: 12.259 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

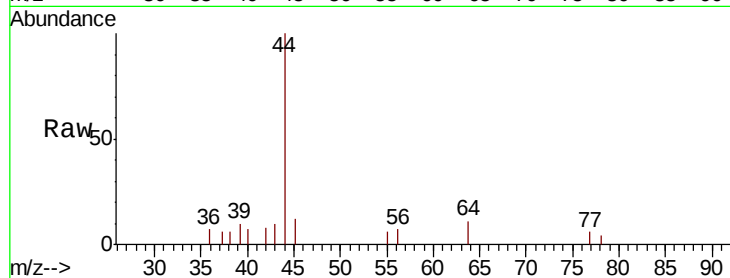
PB114370ZHE#06

Tgt Ion: 56 Resp: 28

Ion Ratio Lower Upper

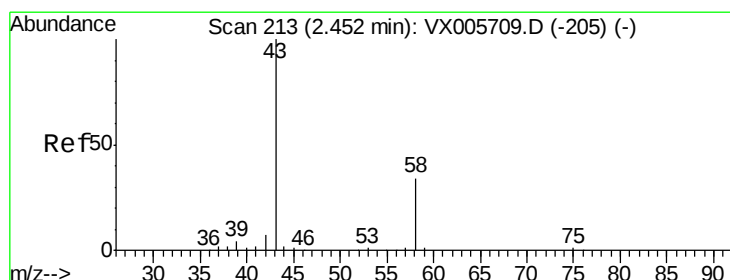
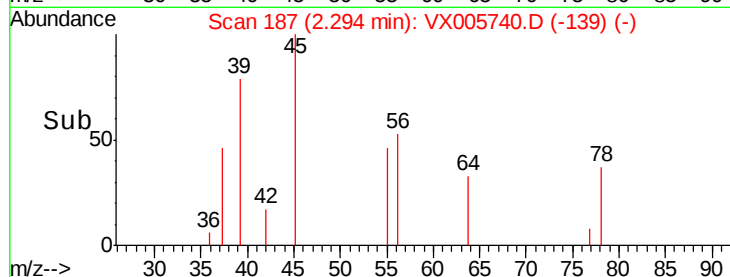
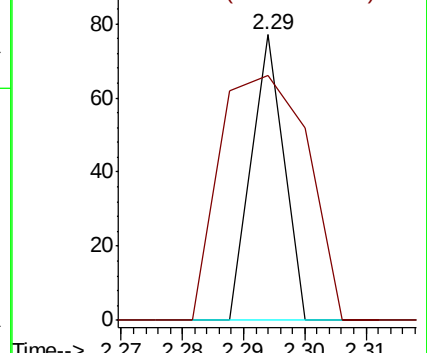
56 100

55 235.7 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.412 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005740.D

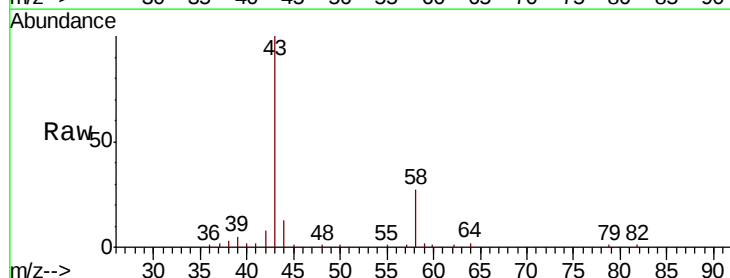
Acq: 01 Nov 2018 20:05

Tgt Ion: 43 Resp: 11736

Ion Ratio Lower Upper

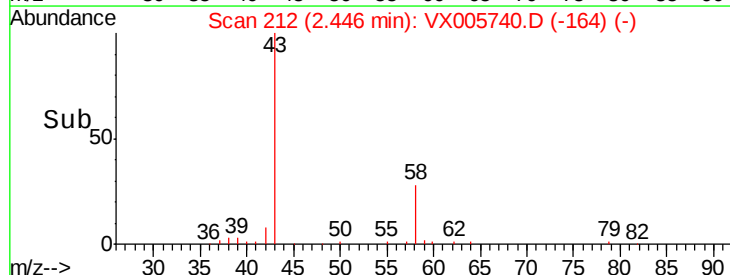
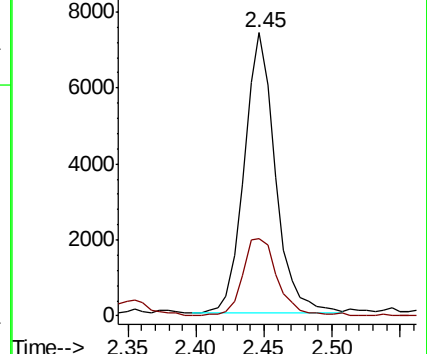
43 100

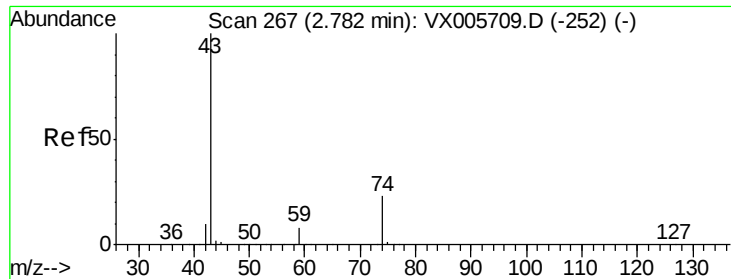
58 27.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

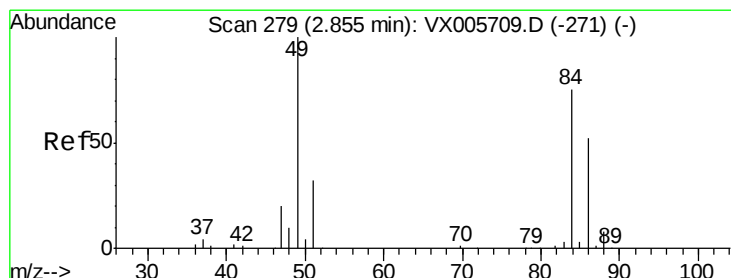
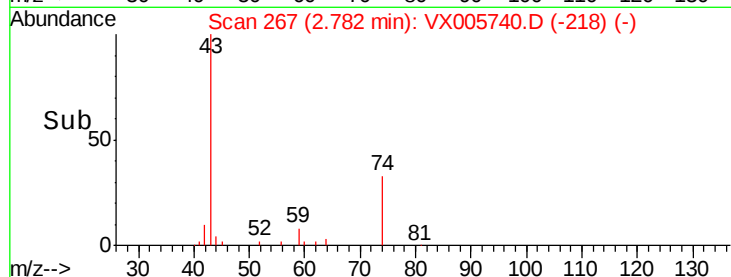
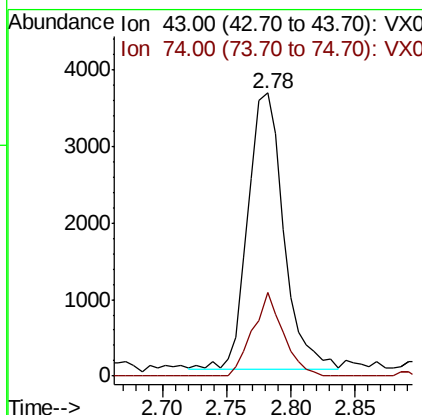
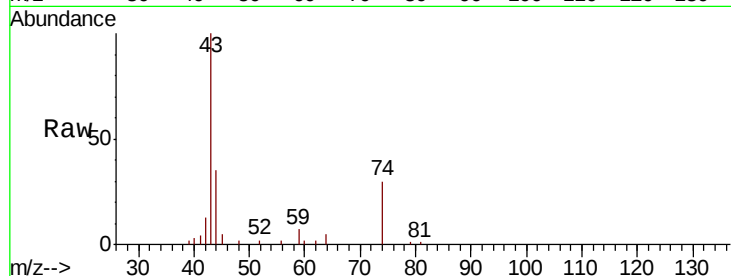




#18
Methyl Acetate
Concen: 2.652 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005740.D
Acq: 01 Nov 2018 20:05

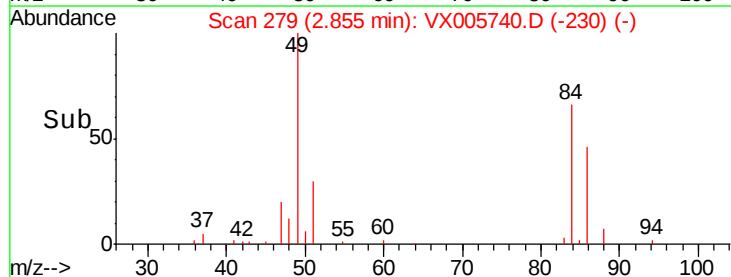
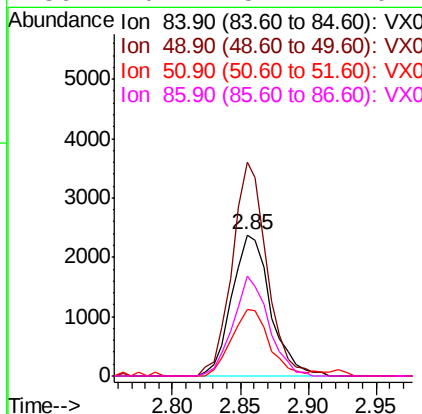
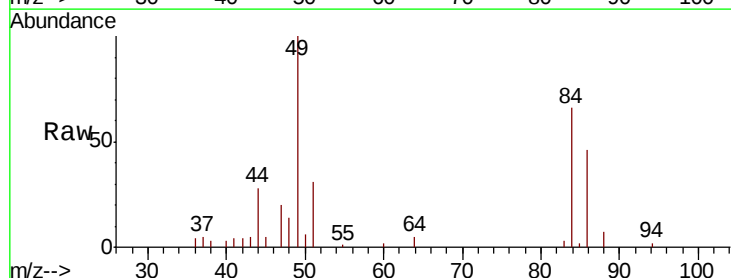
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#06

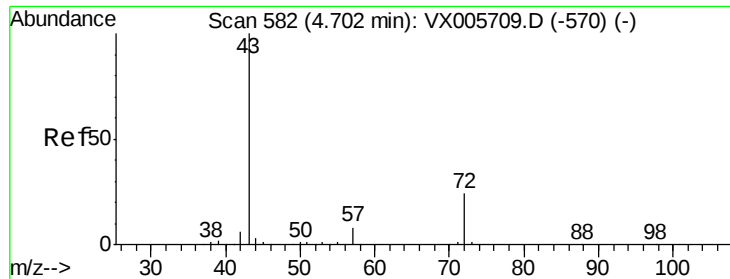
Tgt Ion: 43 Resp: 6893
Ion Ratio Lower Upper
43 100
74 26.1 16.8 25.2#



#20
Methylene Chloride
Concen: 3.008 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005740.D
Acq: 01 Nov 2018 20:05

Tgt Ion: 84 Resp: 4698
Ion Ratio Lower Upper
84 100
49 151.1 109.5 164.3
51 46.8 33.3 49.9
86 70.2 52.7 79.1





#25

2-Butanone

Concen: 1.314 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

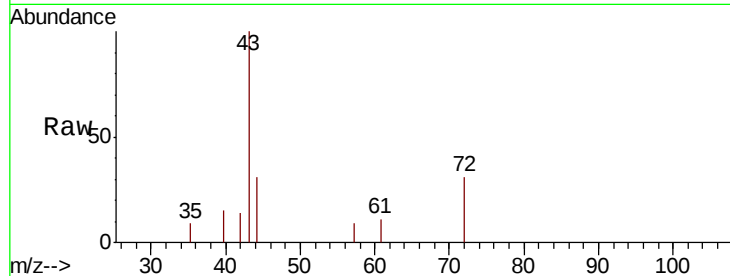
PB114370ZHE#06

Tgt Ion: 43 Resp: 2008

Ion Ratio Lower Upper

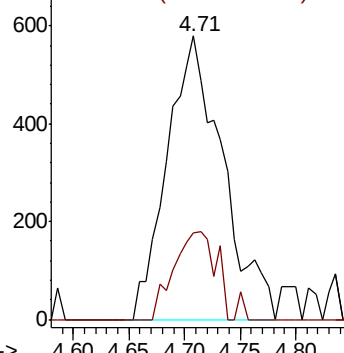
43 100

72 30.6 19.2 28.8#

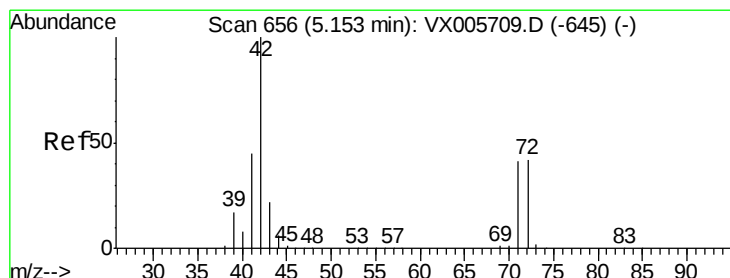
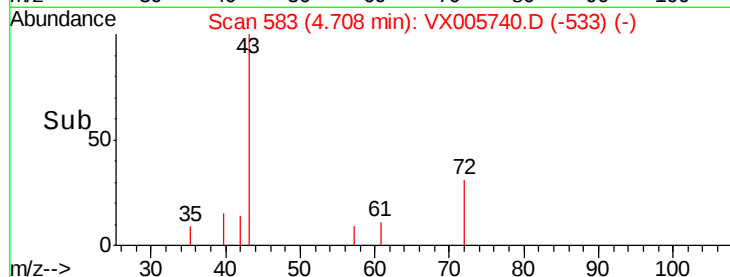


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.951 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

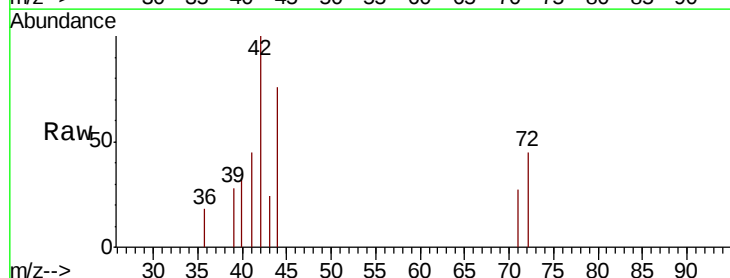
Tgt Ion: 42 Resp: 887

Ion Ratio Lower Upper

42 100

72 40.2 32.0 48.0

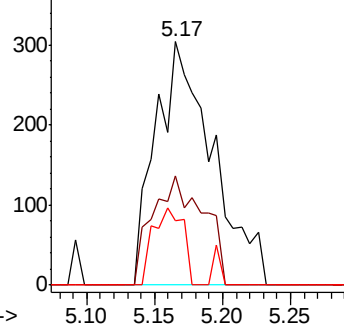
71 16.7 29.8 44.8#



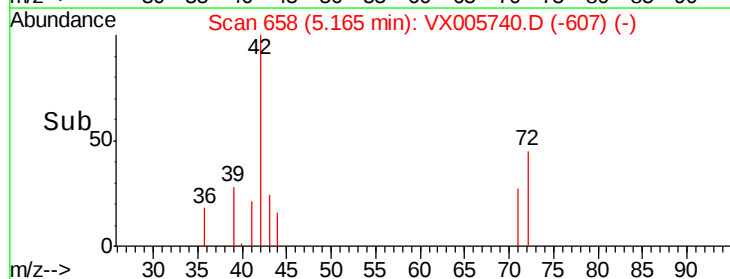
Abundance Ion 42.00 (41.70 to 42.70): VX0

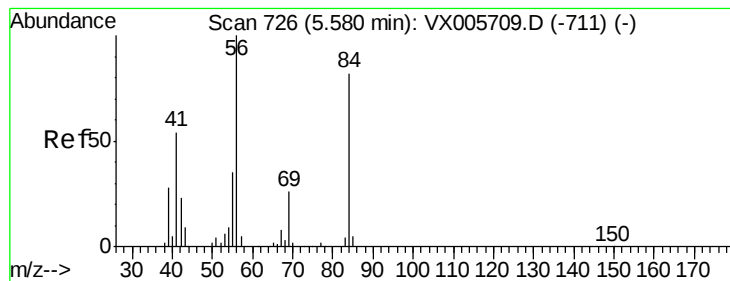
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#31

Cyclohexane

Concen: 1.269 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

PB114370ZHE#06

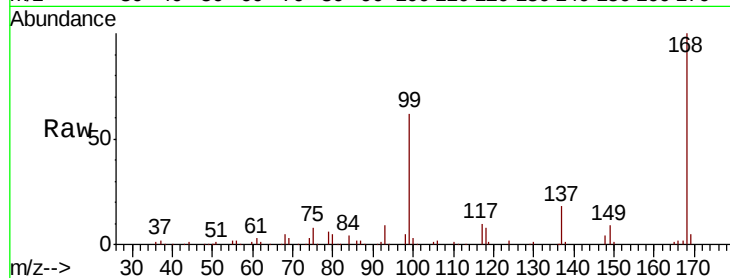
Tgt Ion: 56 Resp: 3070

Ion Ratio Lower Upper

56 100

69 137.7 22.6 34.0#

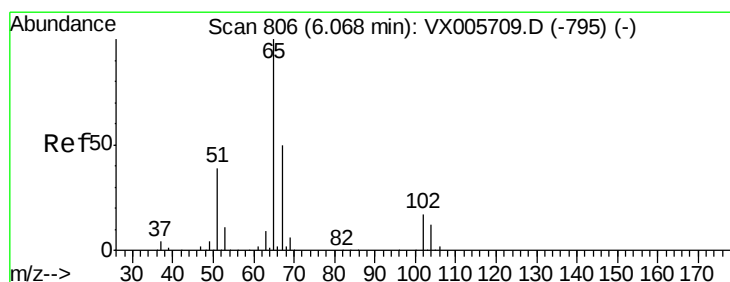
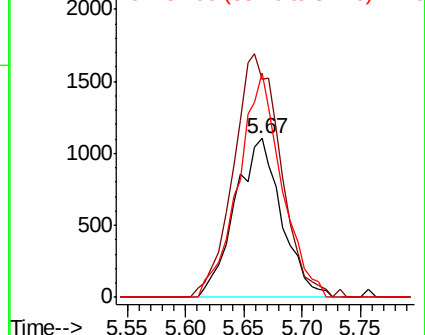
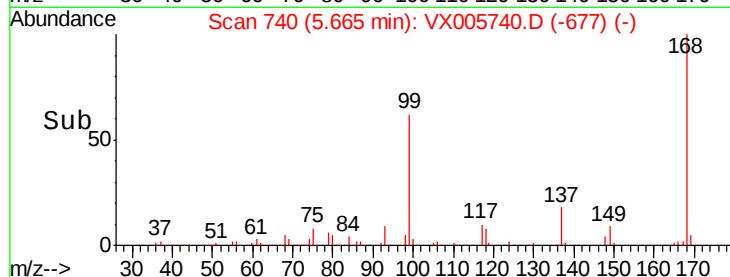
84 141.1 62.7 94.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.522 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005740.D

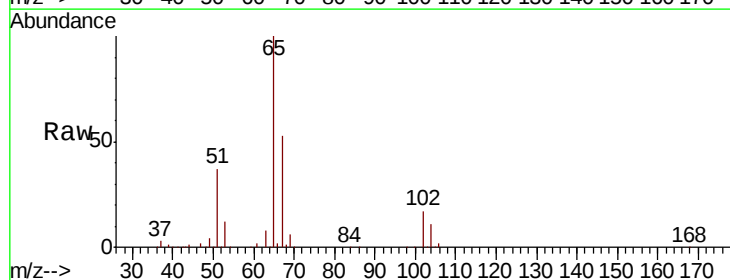
Acq: 01 Nov 2018 20:05

Tgt Ion: 65 Resp: 95114

Ion Ratio Lower Upper

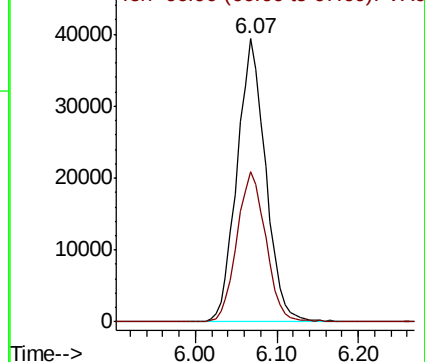
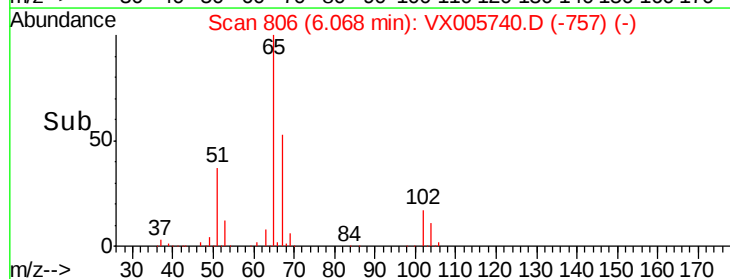
65 100

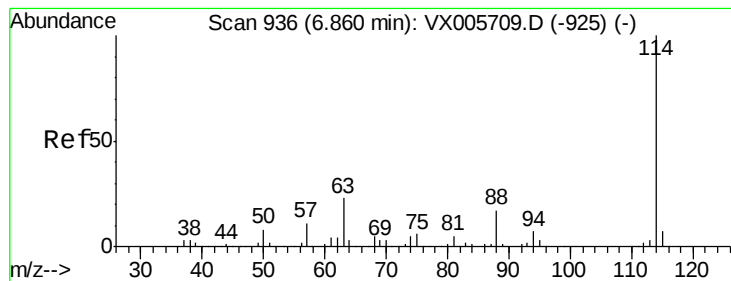
67 54.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

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ClientSampleId :

PB114370ZHE#06

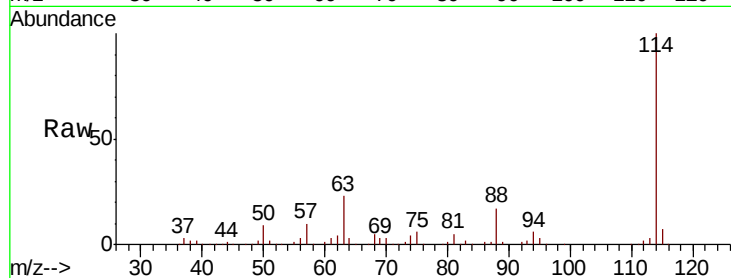
Tgt Ion:114 Resp: 200244

Ion Ratio Lower Upper

114 100

63 22.9 0.0 42.8

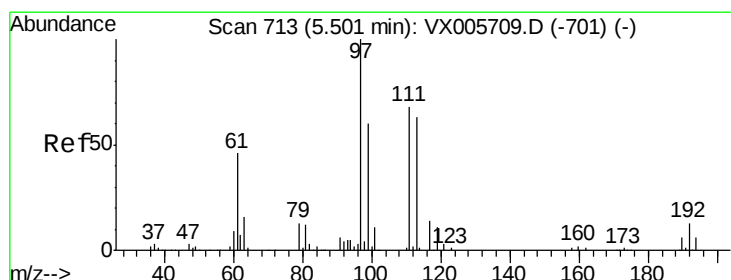
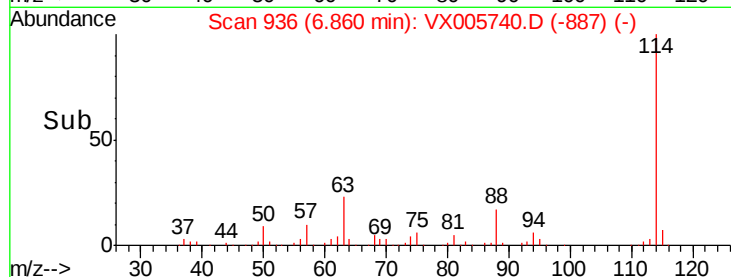
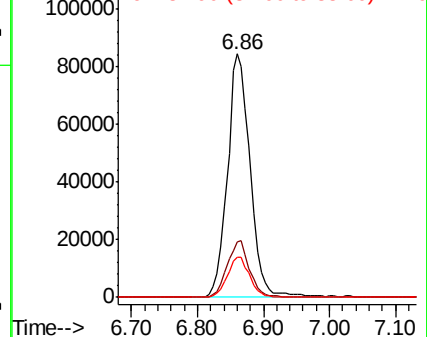
88 16.7 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.279 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

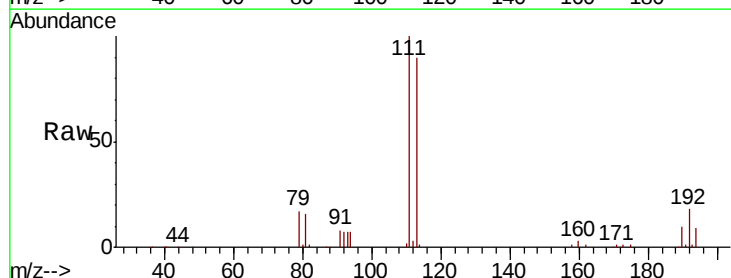
Tgt Ion:113 Resp: 66939

Ion Ratio Lower Upper

113 100

111 106.2 82.3 123.5

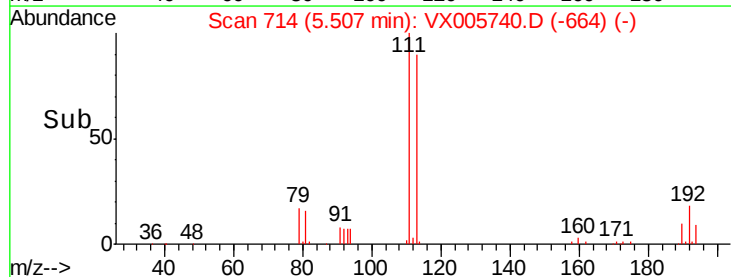
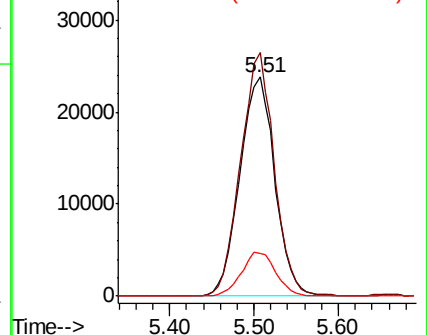
192 19.6 17.9 26.9

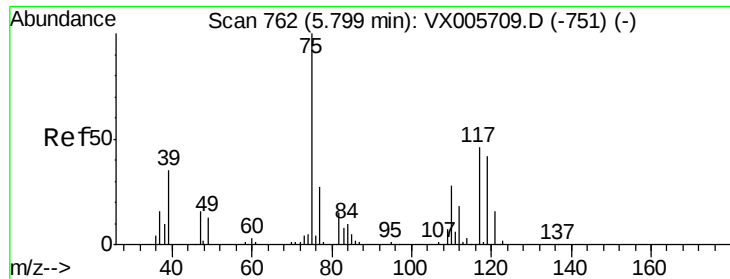


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

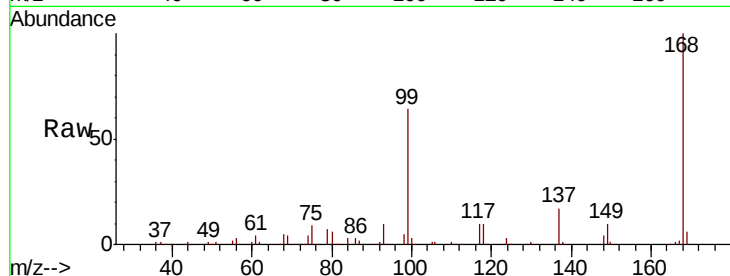




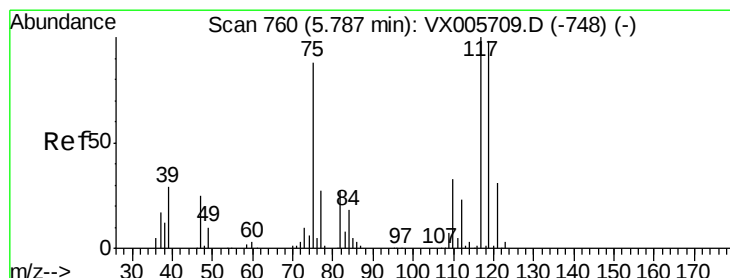
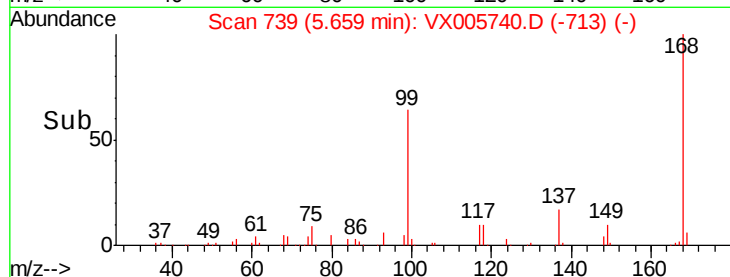
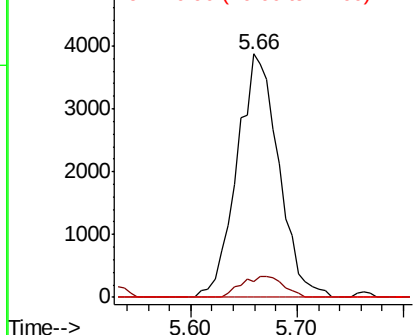
#36
 1,1-Dichloropropene
 Concen: 4.995 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005740.D
 Acq: 01 Nov 2018 20:05

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#06

Tgt Ion: 75 Resp: 10657
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.4 52.2#
 77 0.0 25.8 38.6#

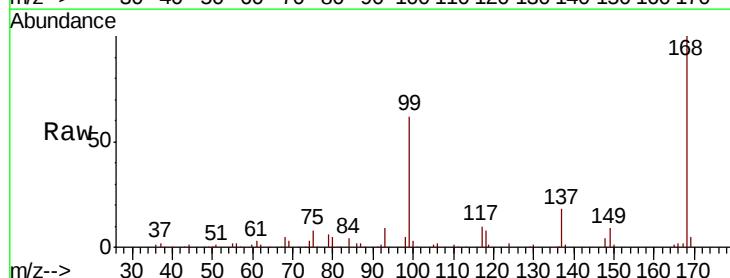


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

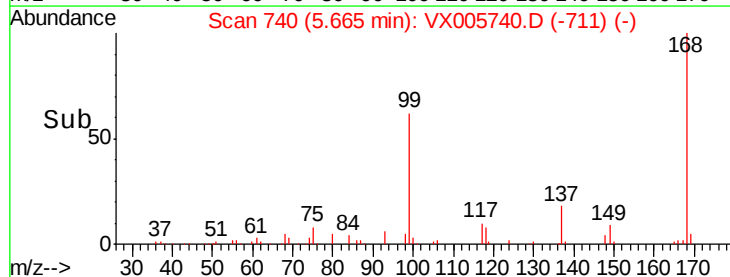
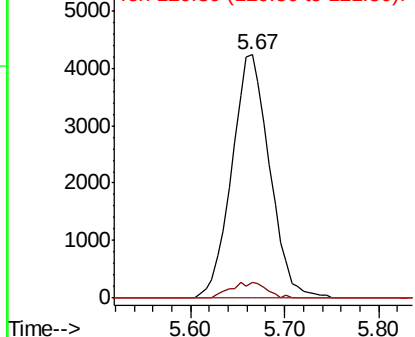


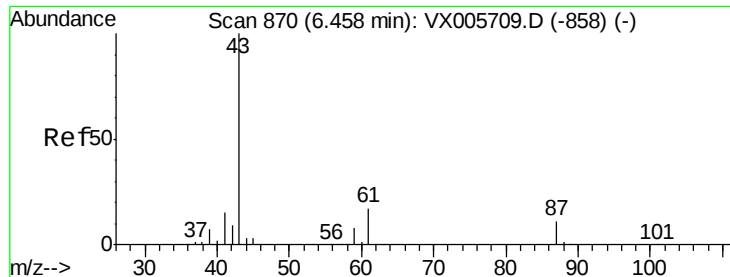
#38
 Carbon Tetrachloride
 Concen: 6.125 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005740.D
 Acq: 01 Nov 2018 20:05

Tgt Ion: 117 Resp: 11805
 Ion Ratio Lower Upper
 117 100
 119 6.7 78.1 117.1#
 121 0.0 24.6 36.8#



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





#43

Isopropyl Acetate

Concen: 25.319 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

PB114370ZHE#06

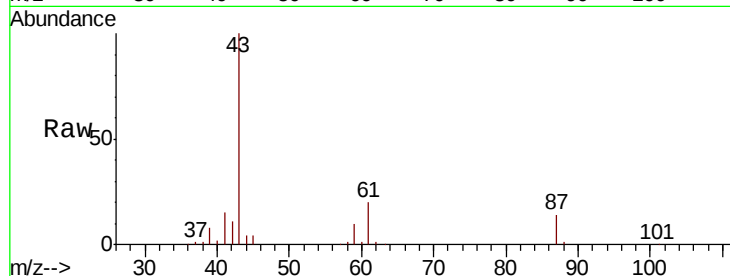
Tgt Ion: 43 Resp: 100021

Ion Ratio Lower Upper

43 100

61 20.9 14.6 22.0

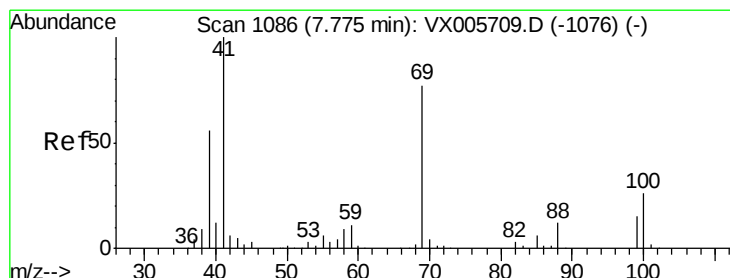
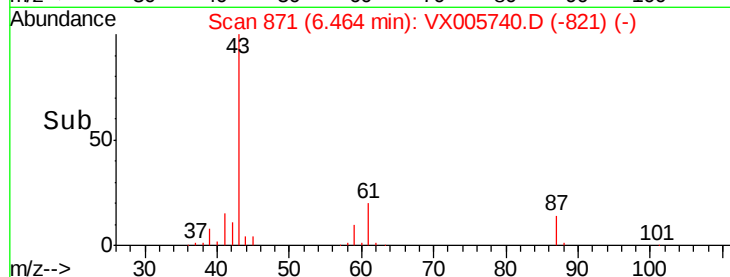
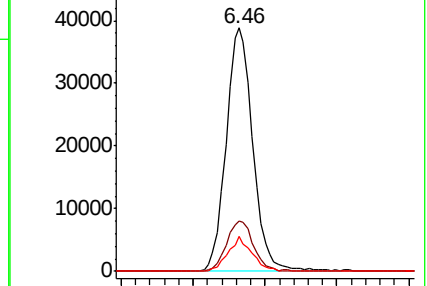
87 12.8 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 2.033 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

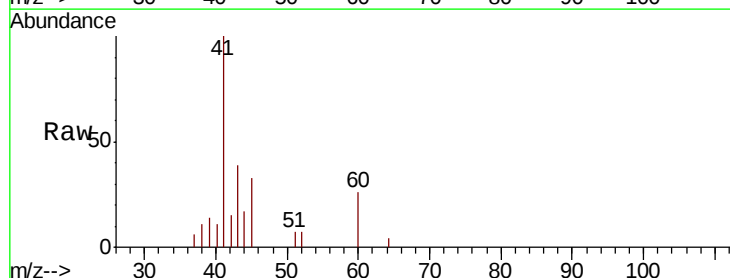
Tgt Ion: 41 Resp: 3888

Ion Ratio Lower Upper

41 100

69 0.0 63.2 94.8#

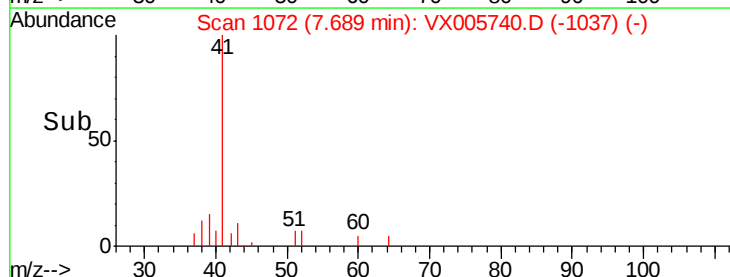
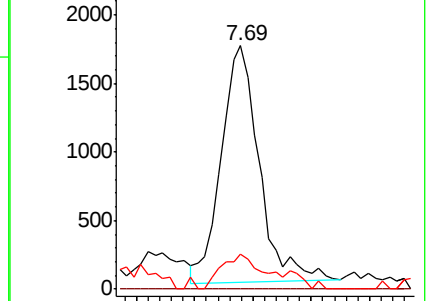
39 16.0 42.2 63.2#

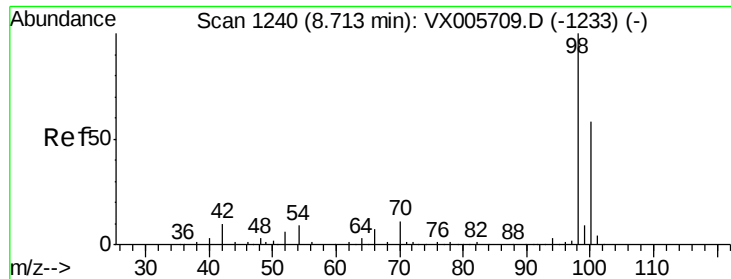


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

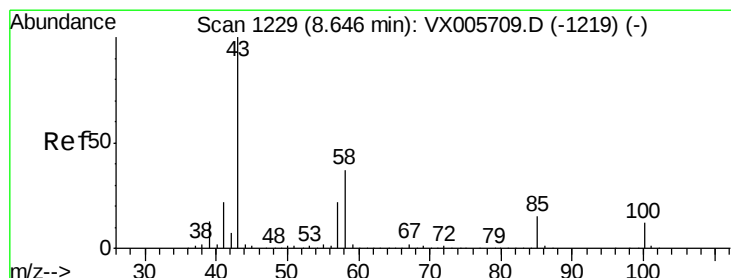
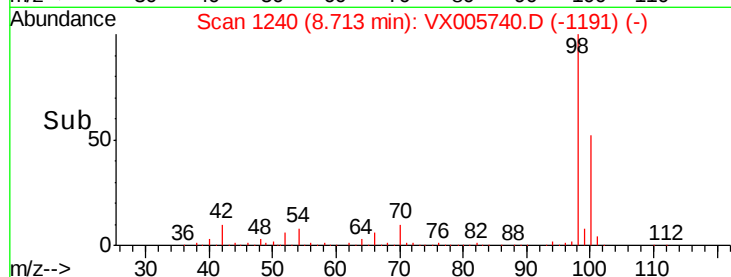
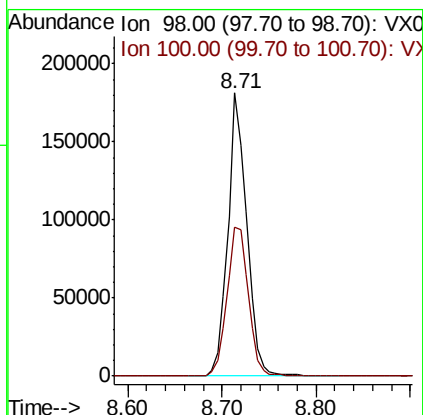
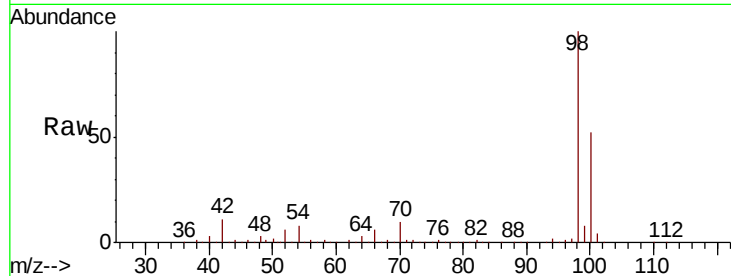




#50
Toluene-d8
Concen: 52.003 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005740.D
Acq: 01 Nov 2018 20:05

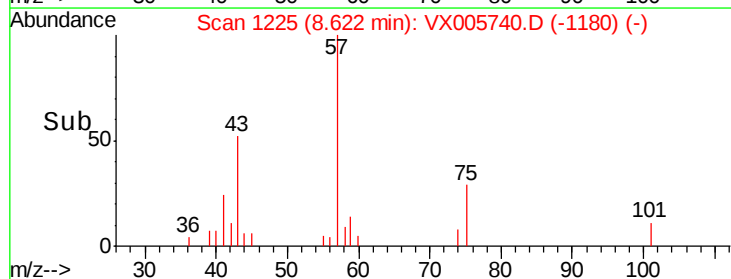
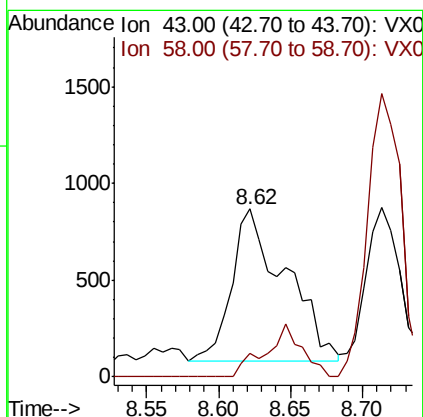
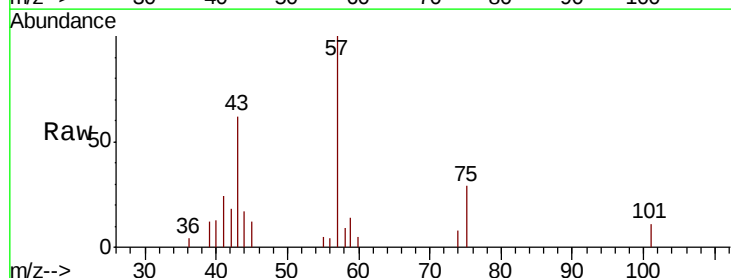
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#06

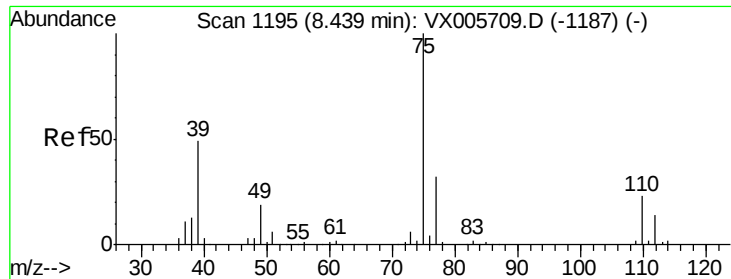
Tgt Ion: 98 Resp: 252889
Ion Ratio Lower Upper
98 100
100 59.7 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.757 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VX005740.D
Acq: 01 Nov 2018 20:05

Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#

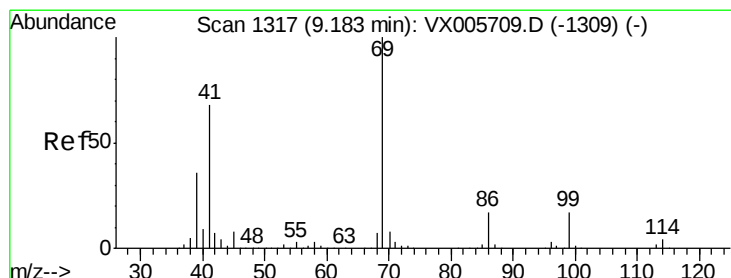
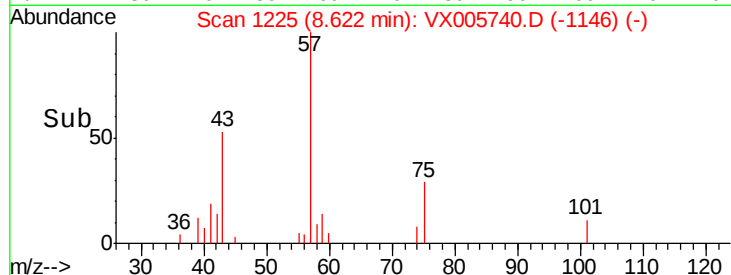
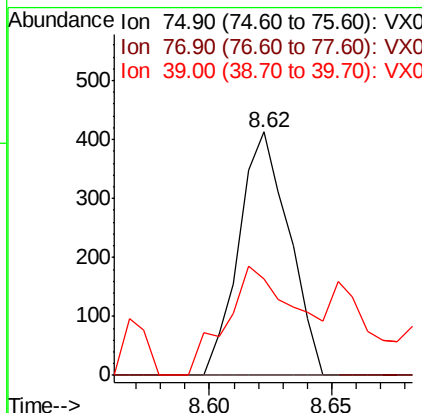
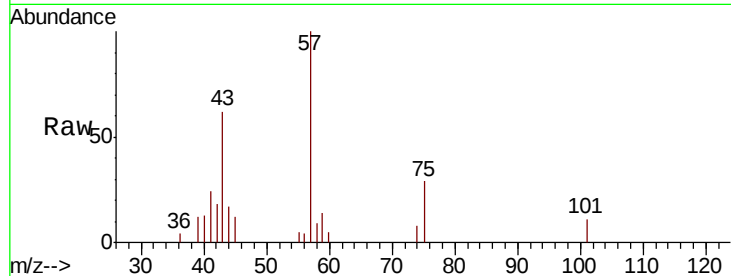




#54
 cis-1,3-Dichloropropene
 Concen: 0.261 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005740.D
 Acq: 01 Nov 2018 20:05

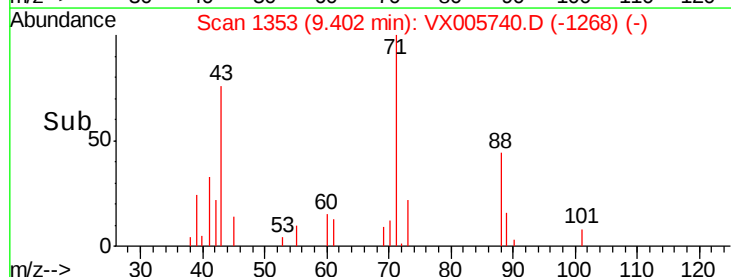
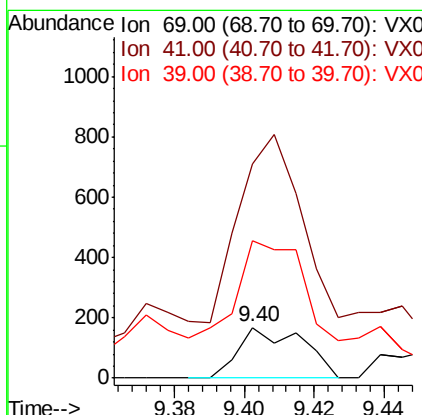
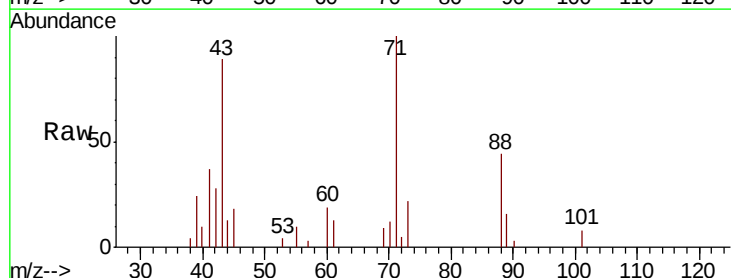
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#06

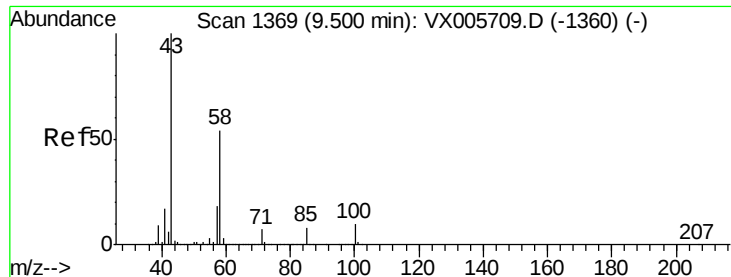
Tgt Ion: 75 Resp: 592
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 39.5 38.2 57.2



#56
 Ethyl methacrylate
 Concen: 2.552 ug/l
 RT: 9.40 min Scan# 1353
 Delta R.T. 0.22 min
 Lab File: VX005740.D
 Acq: 01 Nov 2018 20:05

Tgt Ion: 69 Resp: 215
 Ion Ratio Lower Upper
 69 100
 41 362.8 57.0 85.6#
 39 417.7 28.3 42.5#

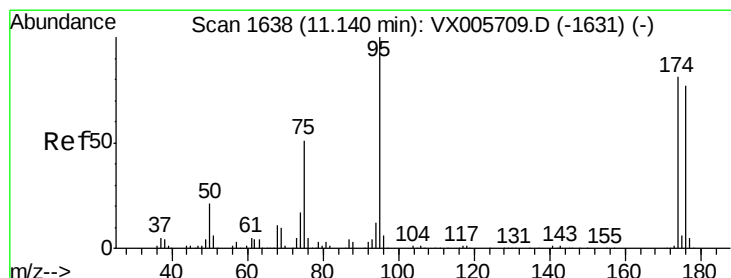
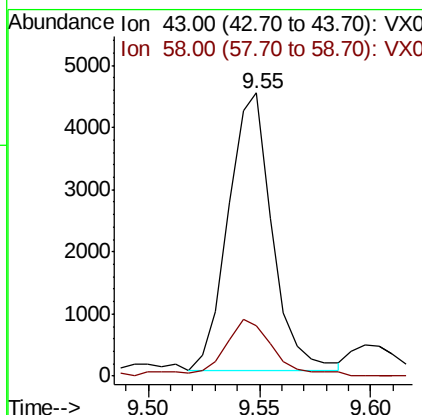
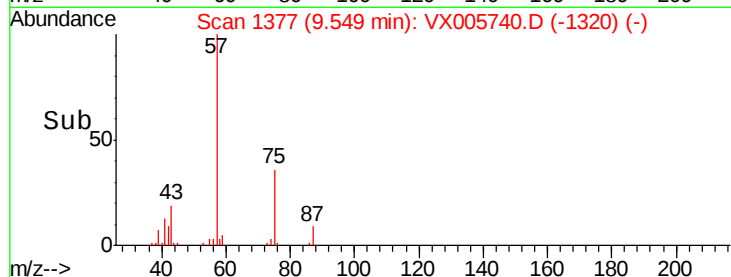
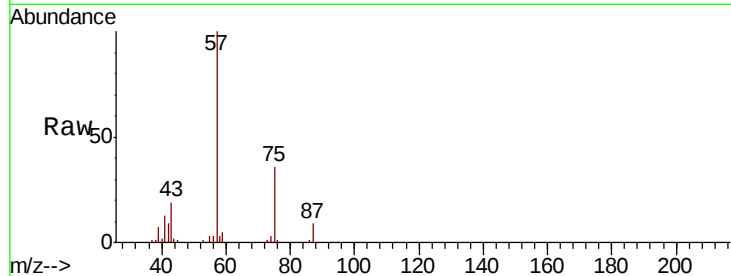




#59
2-Hexanone
Concen: 2.784 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX005740.D
Acq: 01 Nov 2018 20:05

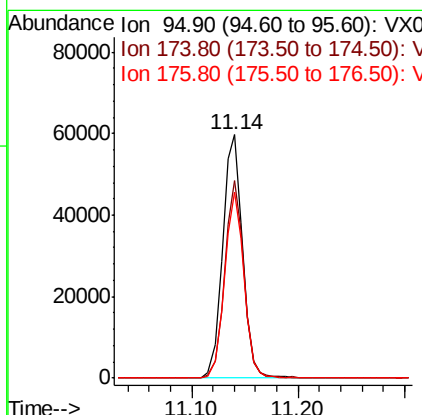
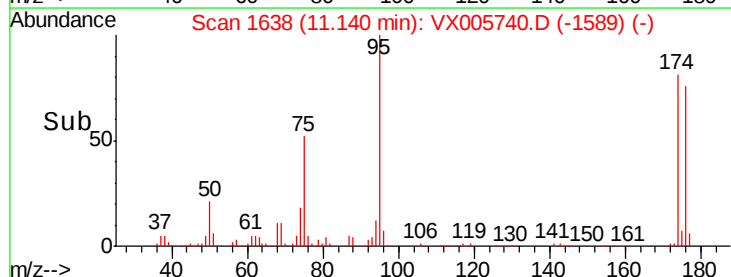
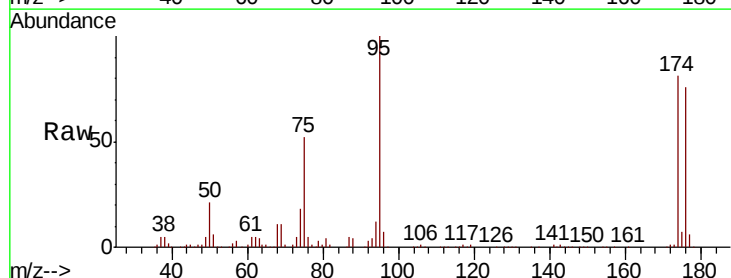
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#06

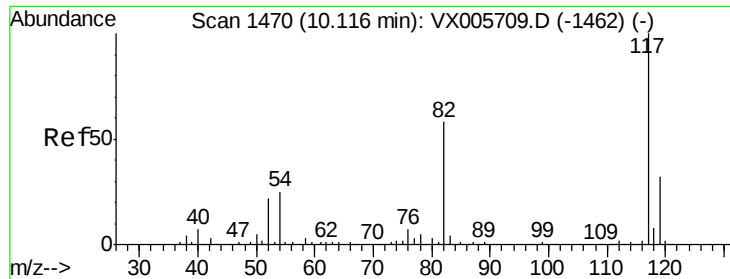
Tgt Ion: 43 Resp: 6102
Ion Ratio Lower Upper
43 100
58 22.1 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 43.211 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005740.D
Acq: 01 Nov 2018 20:05

Tgt Ion: 95 Resp: 77554
Ion Ratio Lower Upper
95 100
174 78.7 0.0 184.4
176 74.5 0.0 177.4

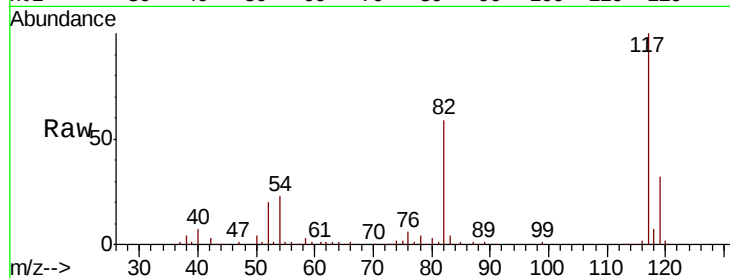




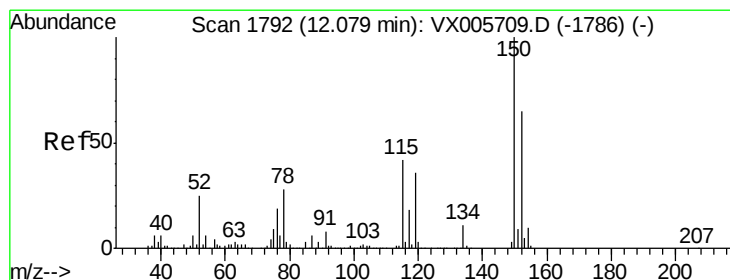
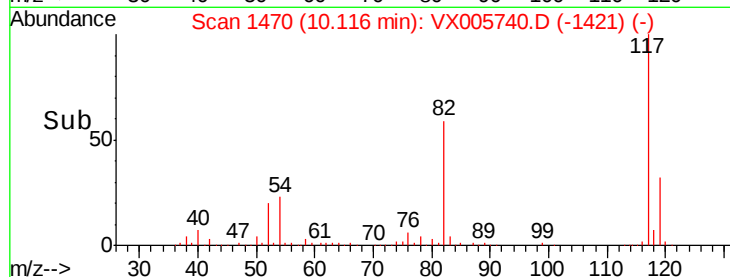
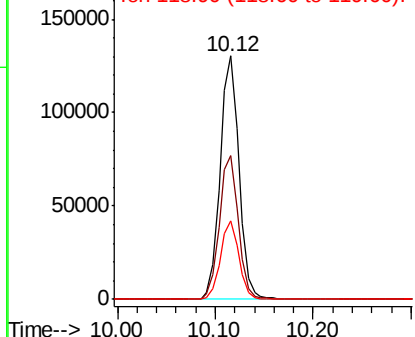
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005740.D
Acq: 01 Nov 2018 20:05

Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#06

Tgt Ion:117 Resp: 174130
Ion Ratio Lower Upper
117 100
82 59.0 44.1 66.1
119 32.1 26.2 39.2

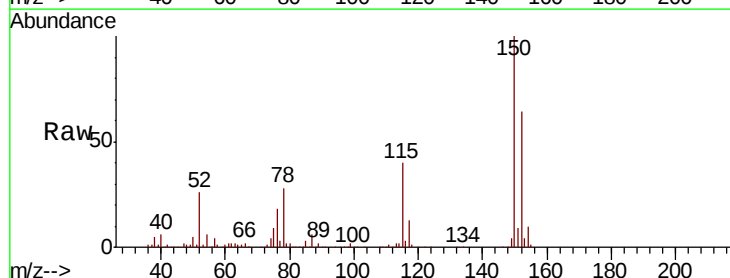


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

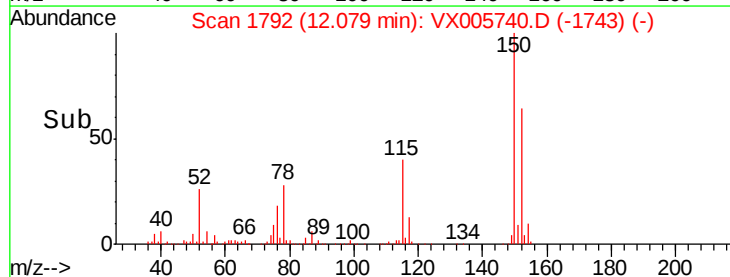
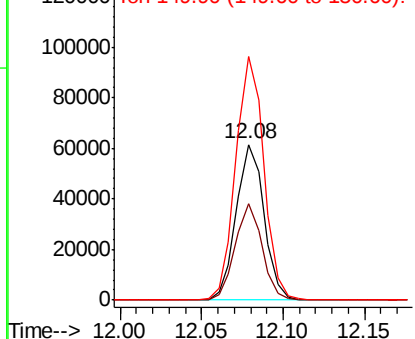


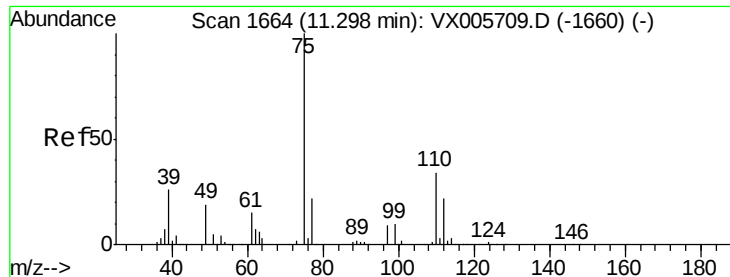
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005740.D
Acq: 01 Nov 2018 20:05

Tgt Ion:152 Resp: 73352
Ion Ratio Lower Upper
152 100
115 59.9 39.4 118.1
150 157.9 0.0 346.4



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





#76

1,2,3-Trichloropropane

Concen: 22.569 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

Instrument :

MSVOA_X

ClientSampleId :

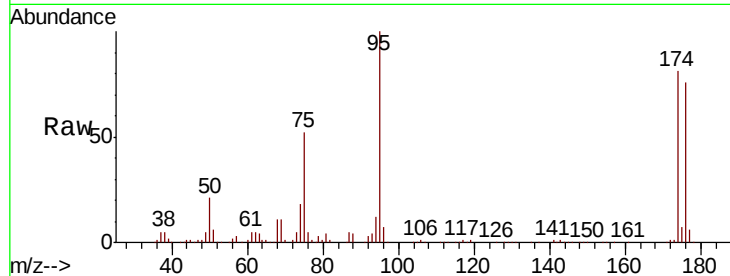
PB114370ZHE#06

Tgt Ion: 75 Resp: 41231

Ion Ratio Lower Upper

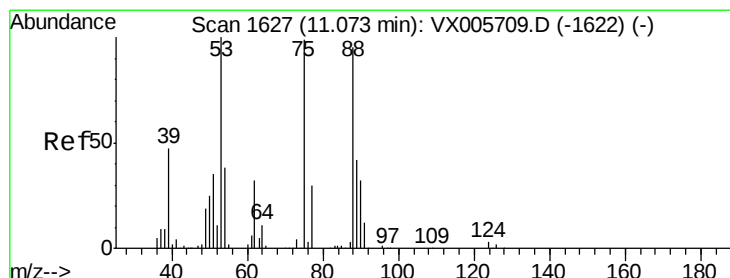
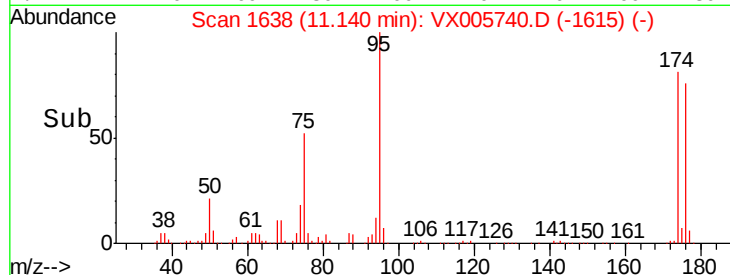
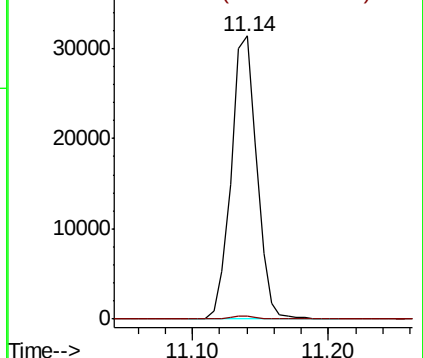
75 100

77 1.0 20.5 61.6#



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: 72.918 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005740.D

Acq: 01 Nov 2018 20:05

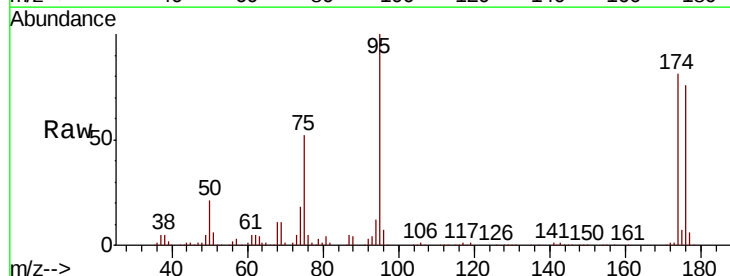
Tgt Ion: 75 Resp: 41231

Ion Ratio Lower Upper

75 100

53 0.5 80.2 120.2#

89 0.0 39.8 59.8#



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

