

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005757.D
 Acq On : 02 Nov 2018 15:35
 Operator : JC/MD
 Sample : PB114401ZHE#08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#08

Quant Time: Nov 03 01:27:57 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	5.66	168	112484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	187716	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	169676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71257	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	86617	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
35) Dibromofluoromethane	5.50	113	66060	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	8.72	98	235711	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.14	95	72447	43.06	ug/l	0.00
Spiked Amount			Recovery	=	86.12%	

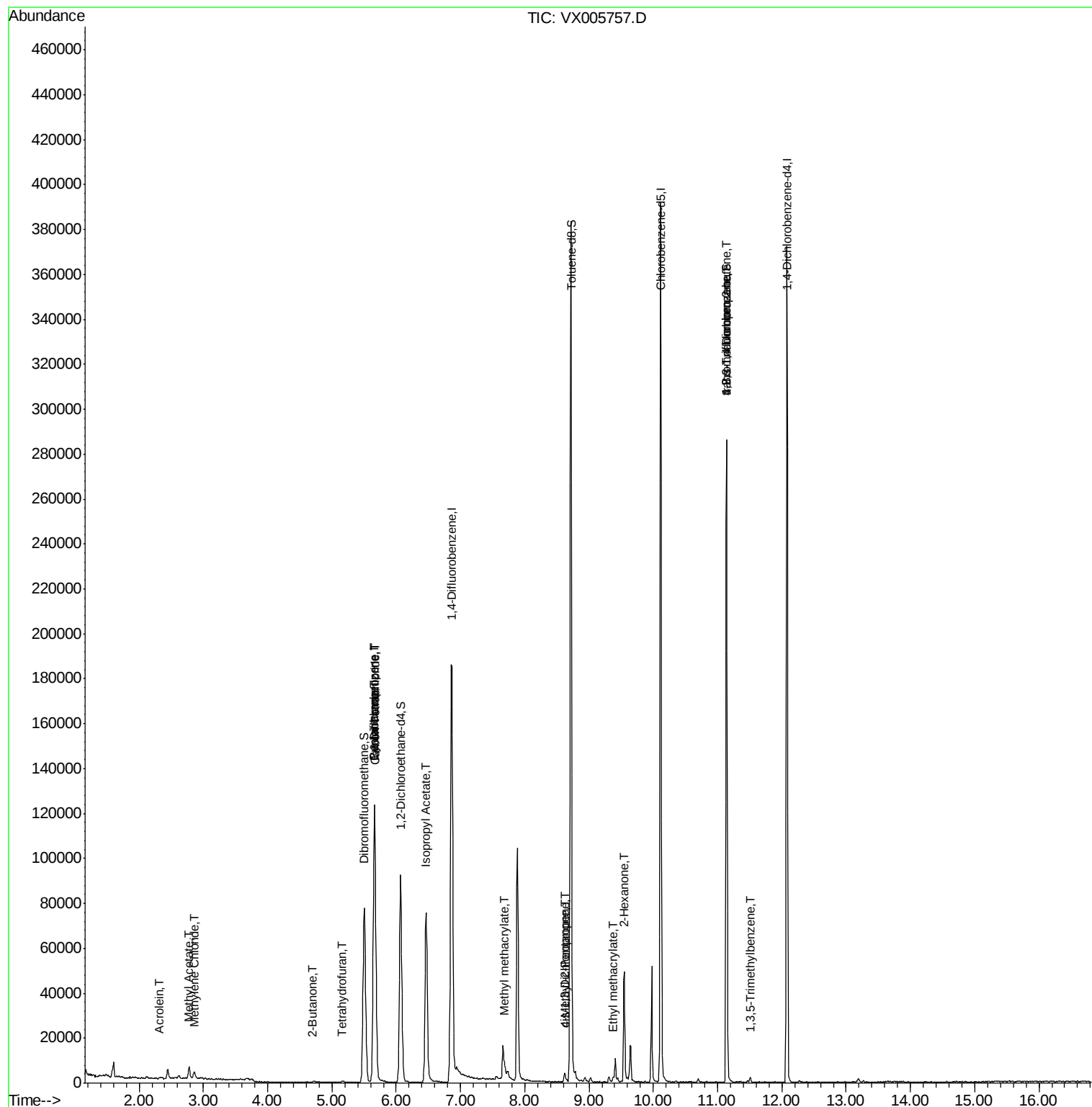
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	19	Below Cal	#	42
13) Acrolein	2.31	56	25	12.257	ug/l #	1
16) Acetone	2.45	43	4177	Below Cal		89
18) Methyl Acetate	2.78	43	6874	2.913	ug/l	95
20) Methylene Chloride	2.85	84	1457	1.027	ug/l	95
25) 2-Butanone	4.69	43	294	0.212	ug/l #	51
29) Tetrahydrofuran	5.16	42	542	0.640	ug/l #	68
31) Cyclohexane	5.67	56	2773	1.262	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	9938	4.969	ug/l #	48
38) Carbon Tetrachloride	5.67	117	10945	6.057	ug/l #	19
43) Isopropyl Acetate	6.46	43	98738	26.662	ug/l	99
48) Methyl methacrylate	7.68	41	4465	2.491	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	1769	0.701	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	639	0.301	ug/l #	75
56) Ethyl methacrylate	9.38	69	45	2.489	ug/l #	1
59) 2-Hexanone	9.55	43	5480	2.667	ug/l #	63
76) 1,2,3-Trichloropropane	11.14	75	38221	21.536	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	1033	0.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	38221	69.582	ug/l #	9

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005757.D

Acq: 02 Nov 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

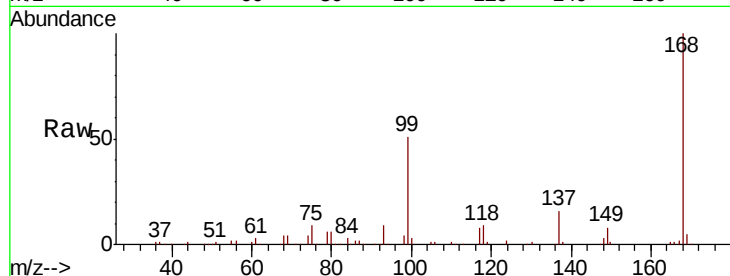
PB114401ZHE#08

Tot Ion:168 Resp: 112484

Ion Ratio Lower Upper

168 100

99 50.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

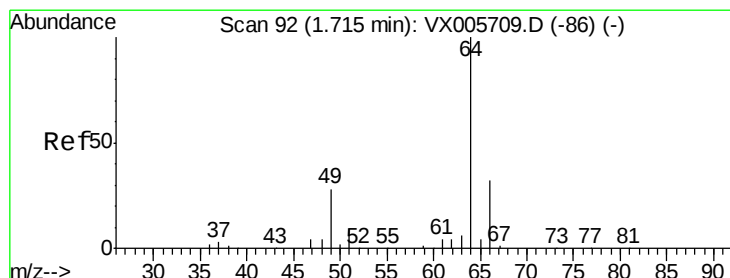
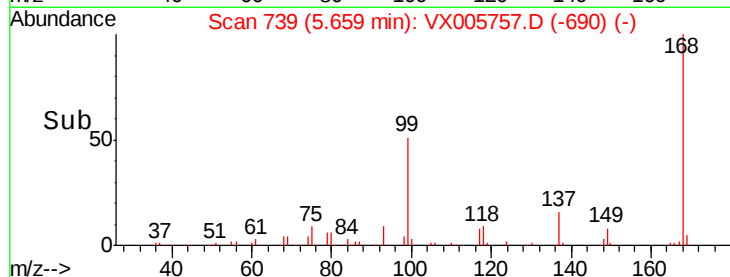
20000

10000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005757.D

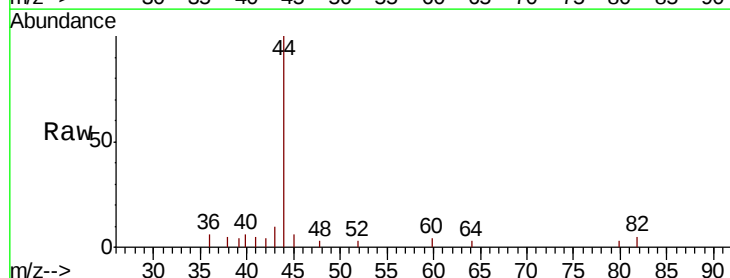
Acq: 02 Nov 2018 15:35

Tgt Ion: 64 Resp: 19

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

1.72

50

40

30

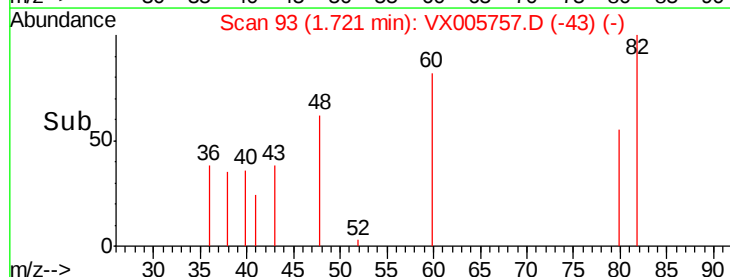
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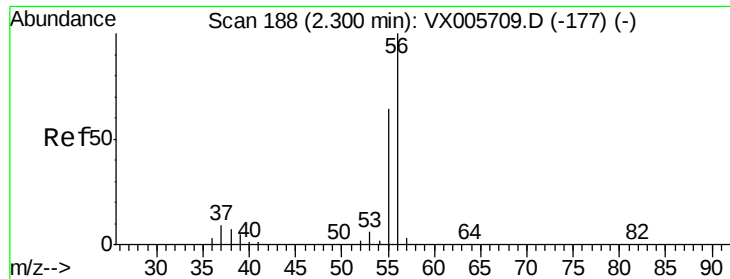
10

0

Time-->

1.70 1.71 1.72 1.73





#13

Acrolein

Concen: 12.257 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX005757.D

Acq: 02 Nov 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

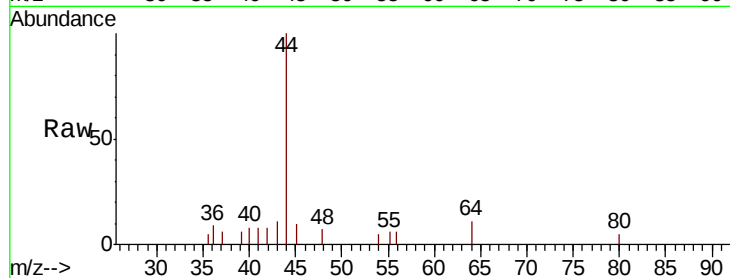
PB114401ZHE#08

Tot Ion: 56 Resp: 25

Ion Ratio Lower Upper

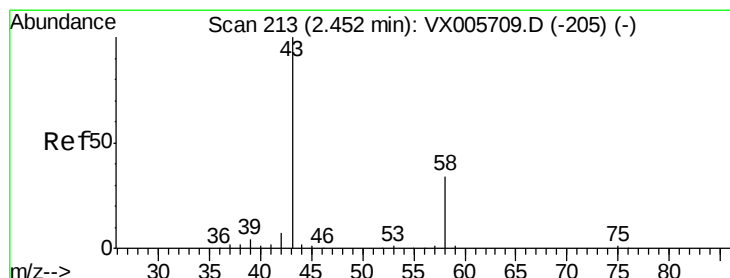
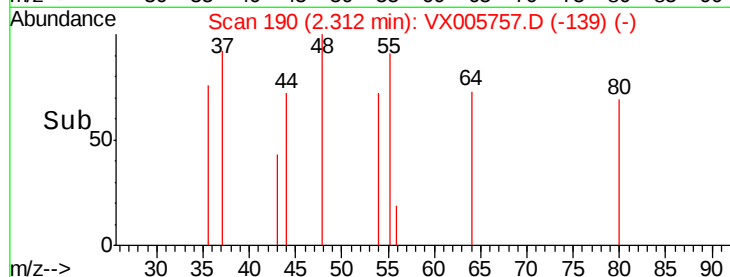
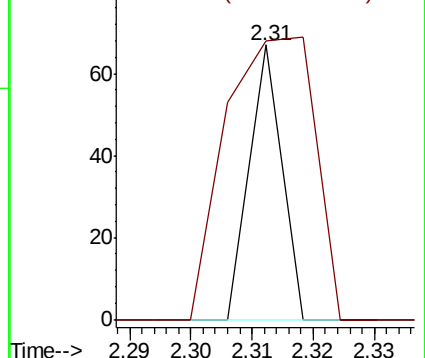
56 100

55 276.0 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: Below Cal

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005757.D

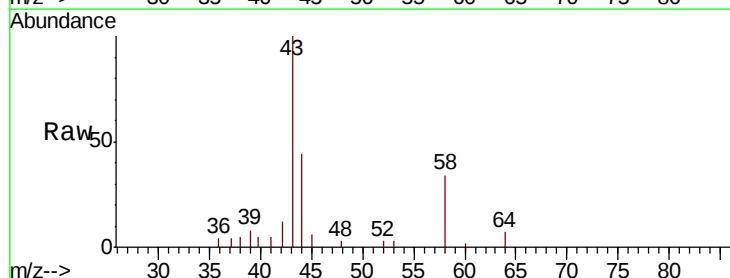
Acq: 02 Nov 2018 15:35

Tgt Ion: 43 Resp: 4177

Ion Ratio Lower Upper

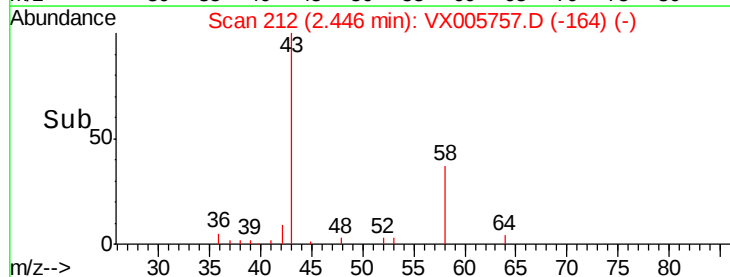
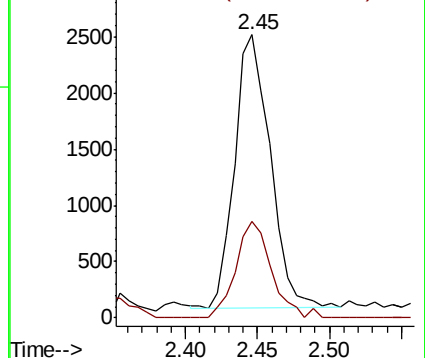
43 100

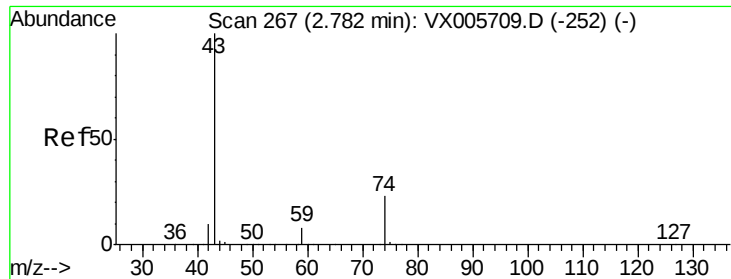
58 35.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

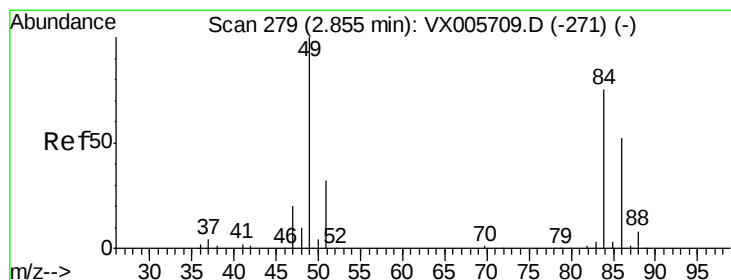
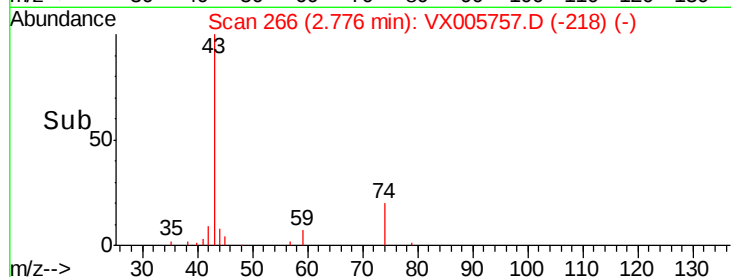
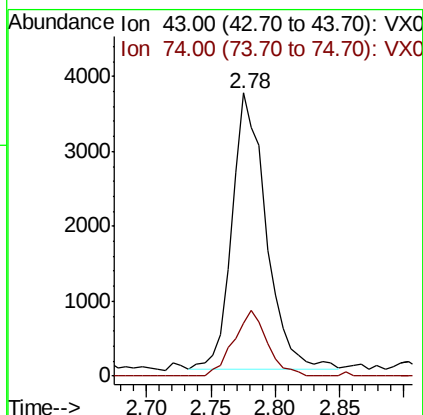
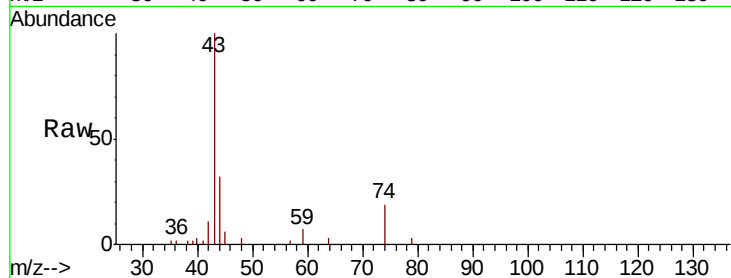




#18
Methyl Acetate
Concen: 2.913 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005757.D
Acq: 02 Nov 2018 15:35

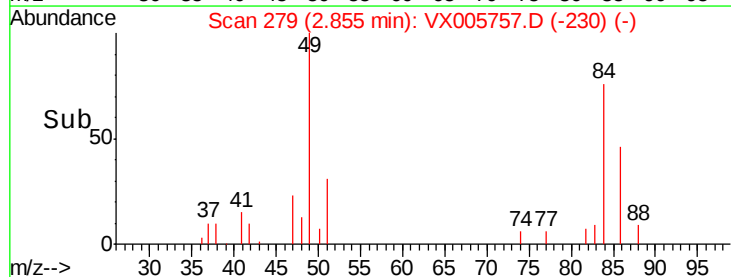
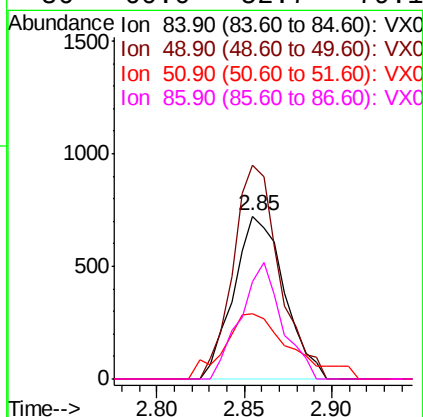
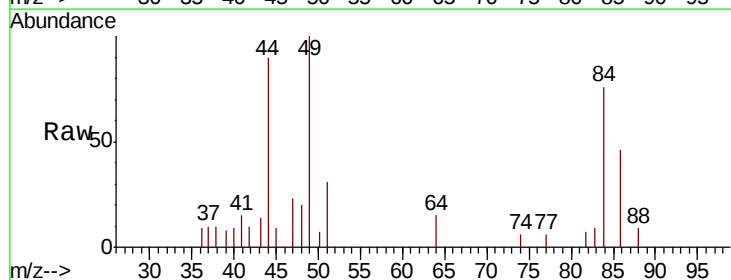
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#08

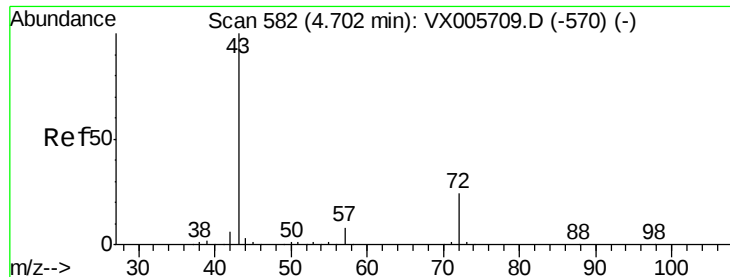
Tot Ion: 43 Resp: 6874
Ion Ratio Lower Upper
43 100
74 23.2 16.8 25.2



#20
Methylene Chloride
Concen: 1.027 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005757.D
Acq: 02 Nov 2018 15:35

Tgt Ion: 84 Resp: 1457
Ion Ratio Lower Upper
84 100
49 131.1 109.5 164.3
51 40.1 33.3 49.9
86 60.0 52.7 79.1





#25

2-Butanone

Concen: 0.212 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX005757.D

Acq: 02 Nov 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

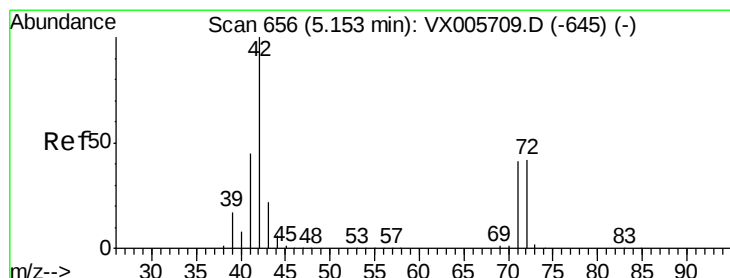
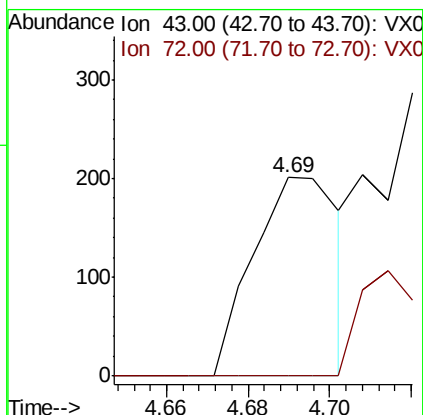
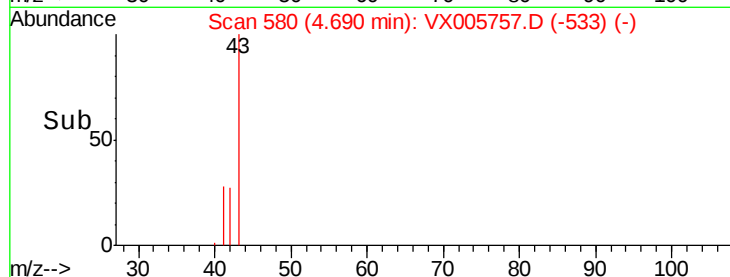
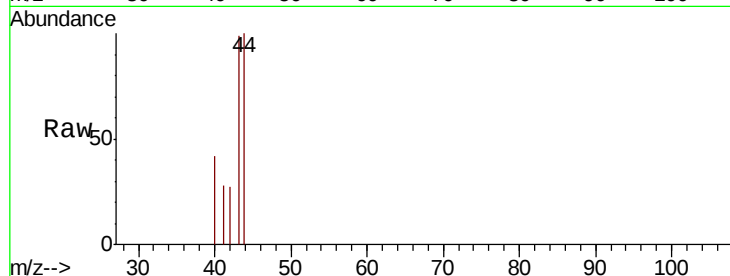
PB114401ZHE#08

Tot Ion: 43 Resp: 294

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#29

Tetrahydrofuran

Concen: 0.640 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005757.D

Acq: 02 Nov 2018 15:35

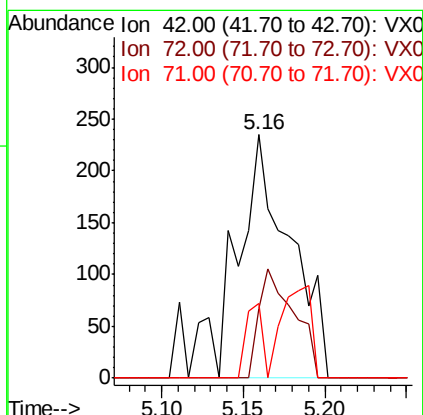
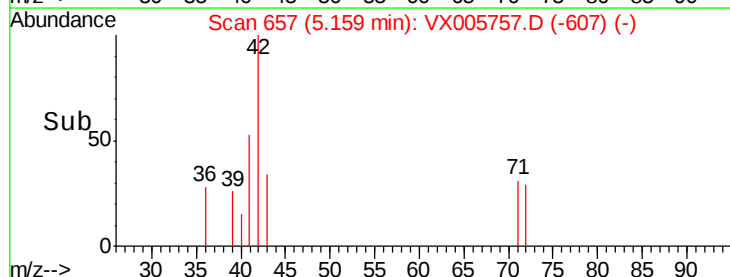
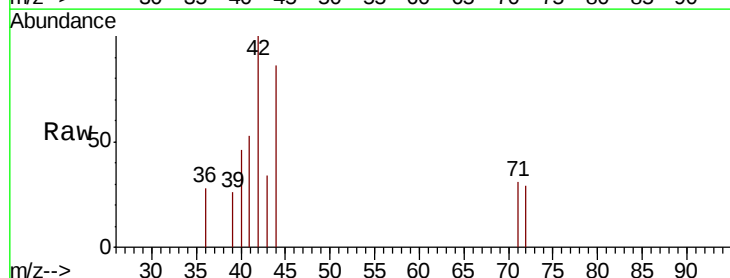
Tgt Ion: 42 Resp: 542

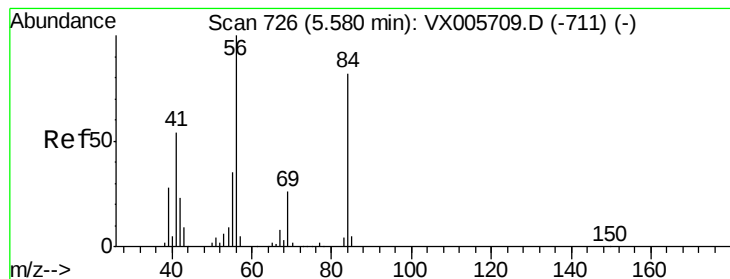
Ion Ratio Lower Upper

42 100

72 29.3 32.0 48.0#

71 9.2 29.8 44.8#





#31

Cvclohexane

Concen: 1.262 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005757.D

Acq: 02 Nov 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#08

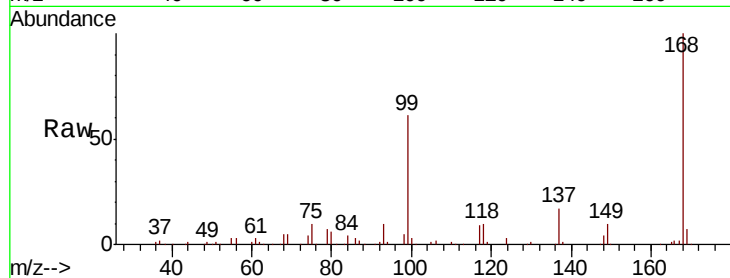
Tot Ion: 56 Resp: 2773

Ion Ratio Lower Upper

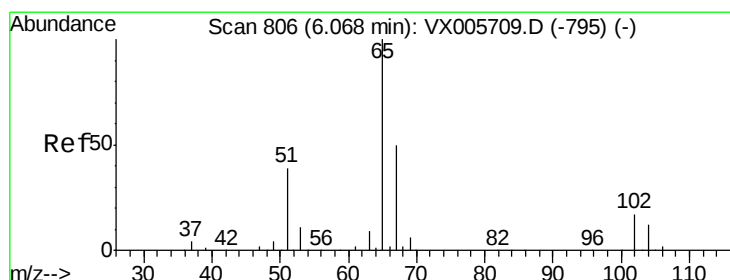
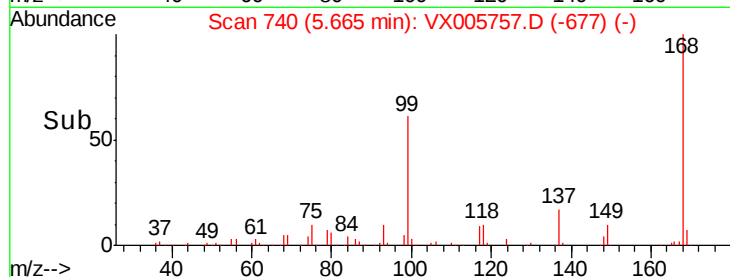
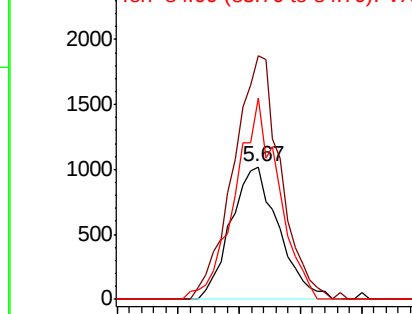
56 100

69 183.5 22.6 34.0#

84 151.9 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: 52.669 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005757.D

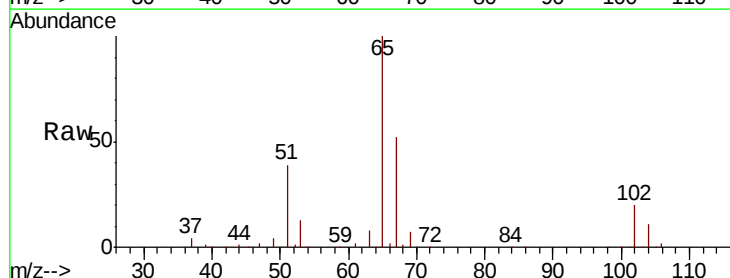
Acq: 02 Nov 2018 15:35

Tgt Ion: 65 Resp: 86617

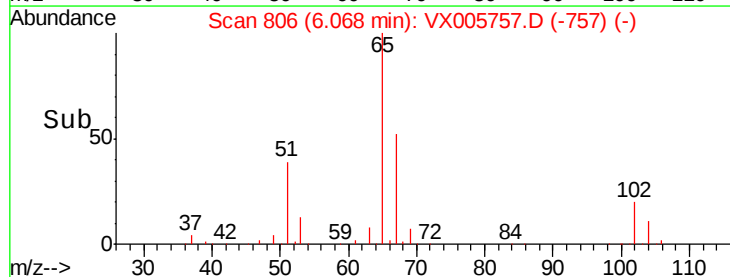
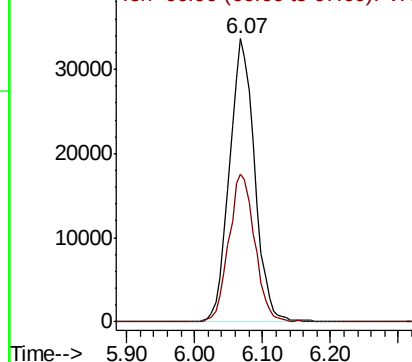
Ion Ratio Lower Upper

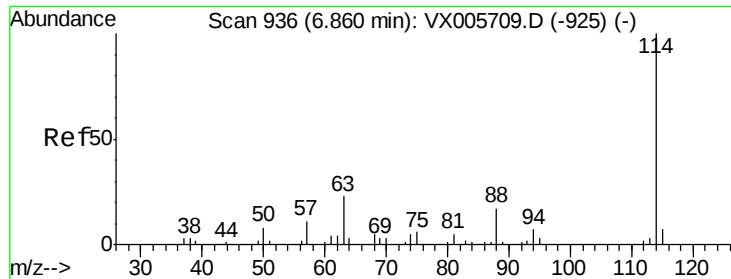
65 100

67 53.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

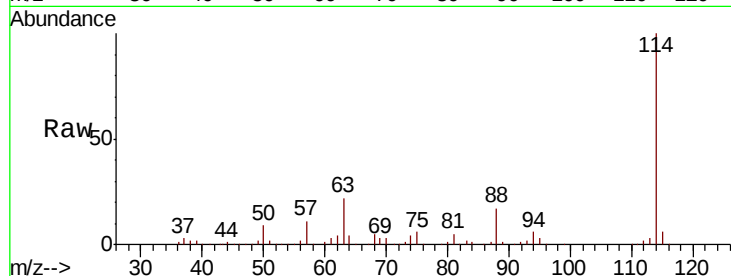




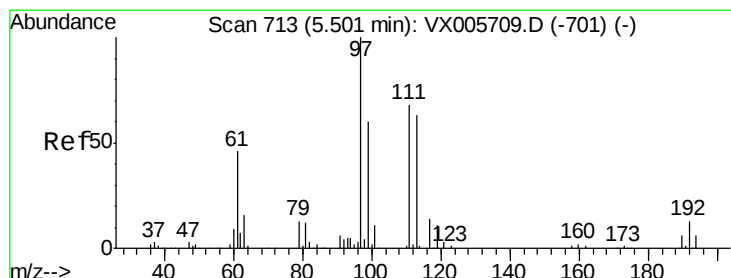
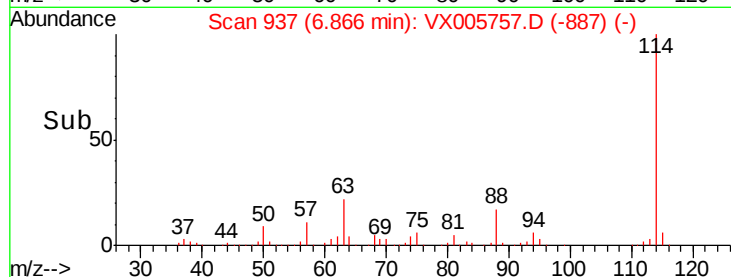
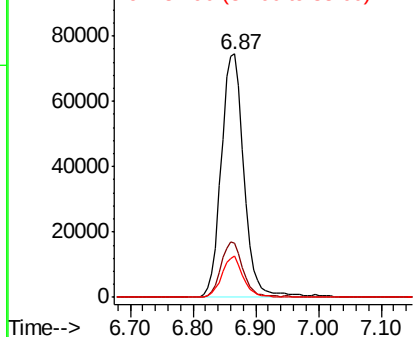
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005757.D
 Acq: 02 Nov 2018 15:35

Instrument :
 MSVOA_X
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 PB114401ZHE#08

Tot Ion:114 Resp: 187716
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.8
 88 17.1 0.0 31.2

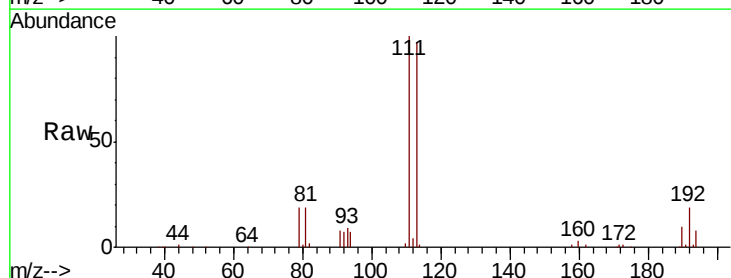


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

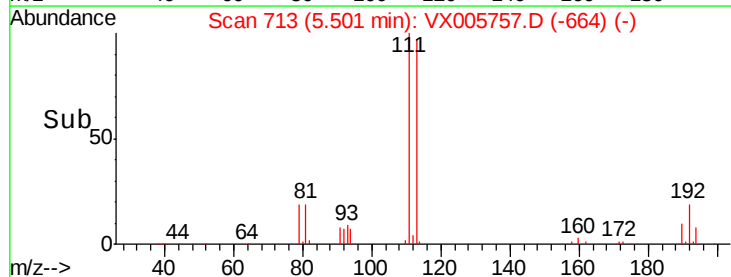
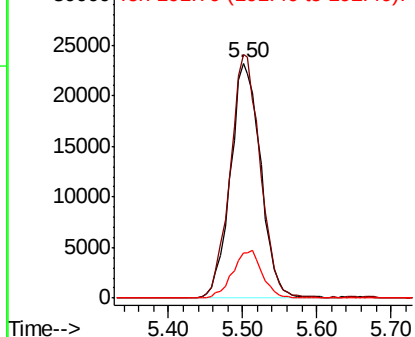


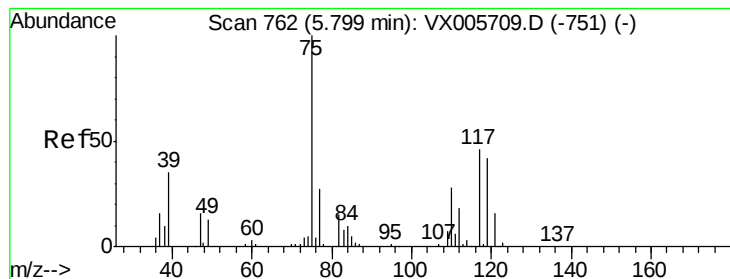
#35
 Dibromofluoromethane
 Concen: 50.825 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005757.D
 Acq: 02 Nov 2018 15:35

Tgt Ion:113 Resp: 66060
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.3 123.5
 192 19.8 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: 4.969 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005757.D

Acq: 02 Nov 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#08

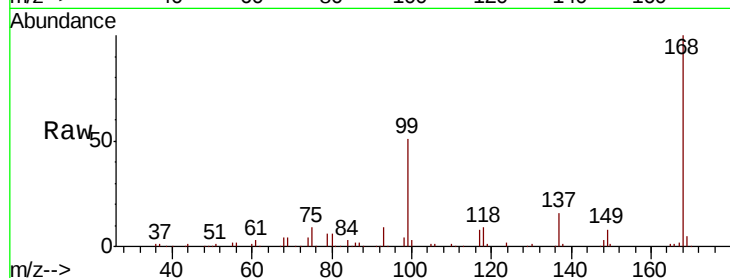
Tot Ion: 75 Resp: 9938

Ion Ratio Lower Upper

75 100

110 8.2 17.4 52.2#

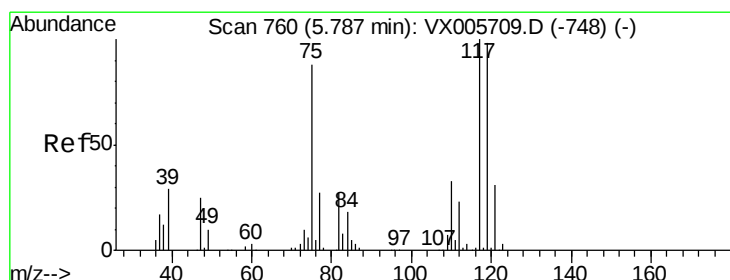
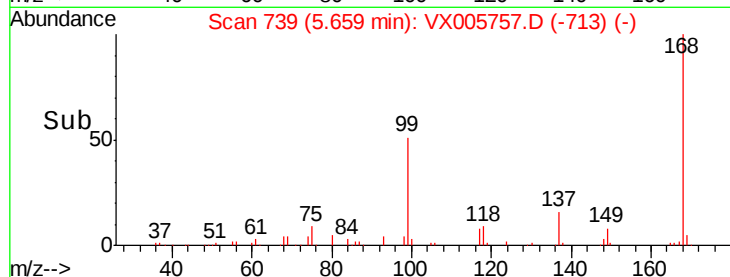
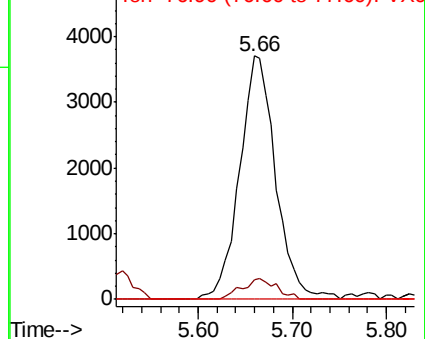
77 0.0 25.8 38.6#



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: 6.057 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX005757.D

Acq: 02 Nov 2018 15:35

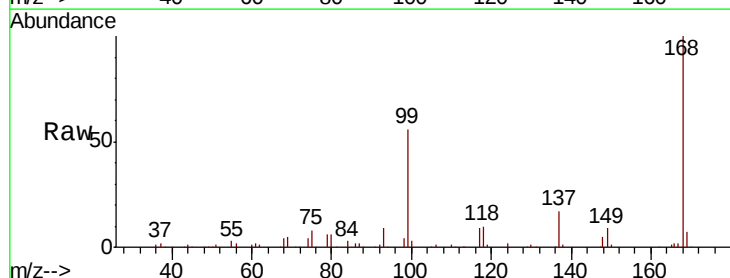
Tgt Ion: 117 Resp: 10945

Ion Ratio Lower Upper

117 100

119 10.6 78.1 117.1#

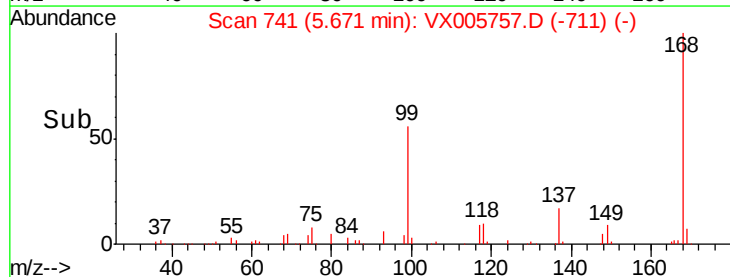
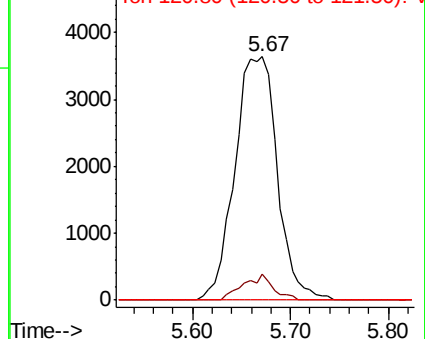
121 0.0 24.6 36.8#

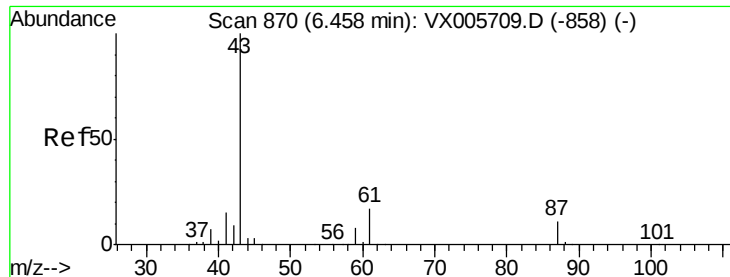


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



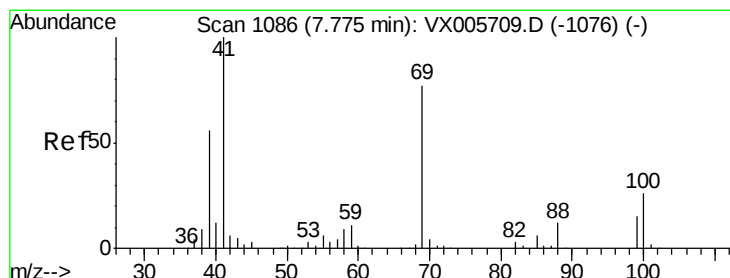
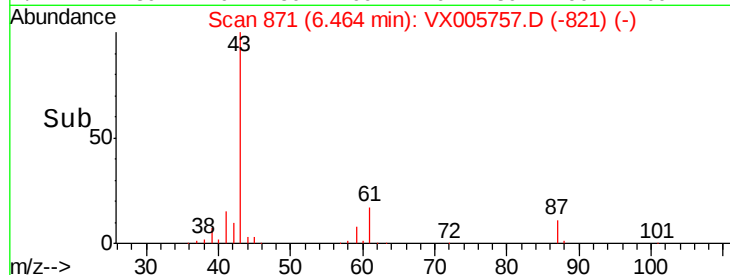
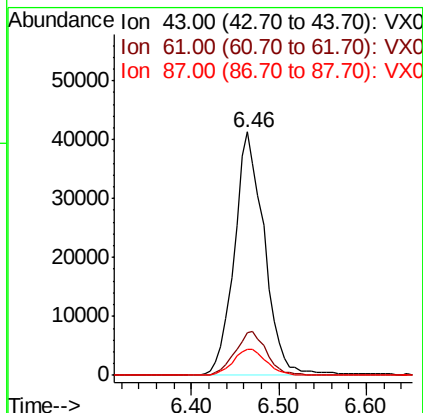
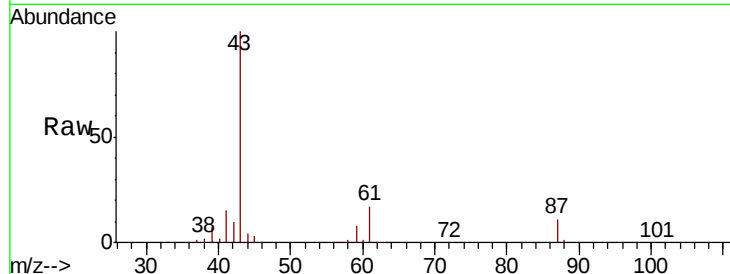


#43

Isopropyl Acetate
 Concen: 26.662 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005757.D
 Acq: 02 Nov 2018 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#08

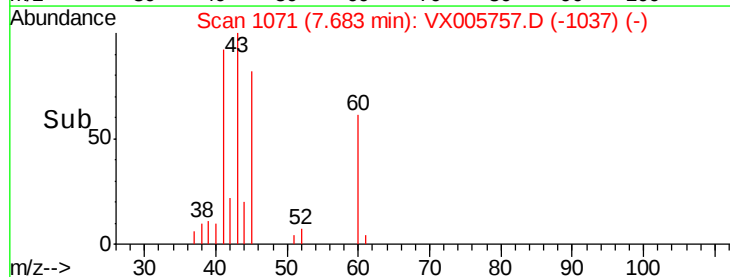
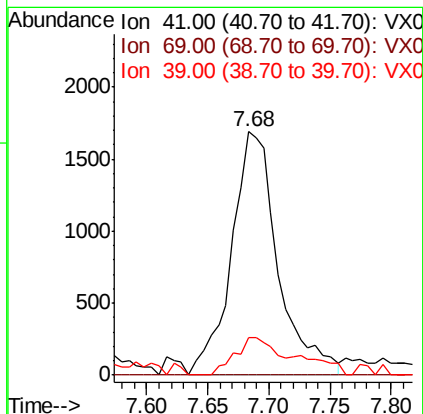
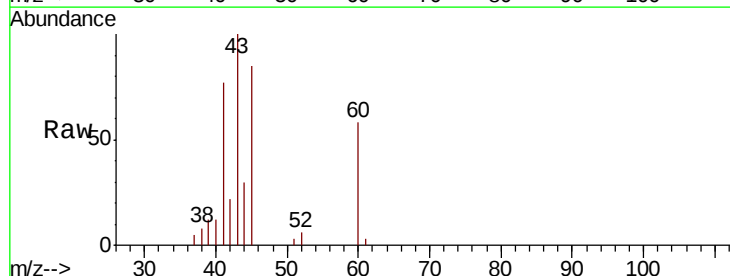
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.6	22.0
87	11.9	9.6	14.4

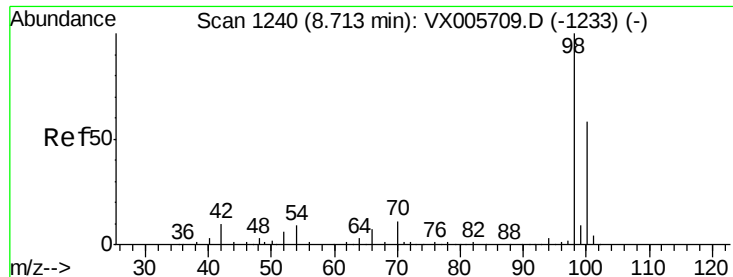


#48

Methyl methacrylate
 Concen: 2.491 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX005757.D
 Acq: 02 Nov 2018 15:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.2	94.8#
39	13.4	42.2	63.2#

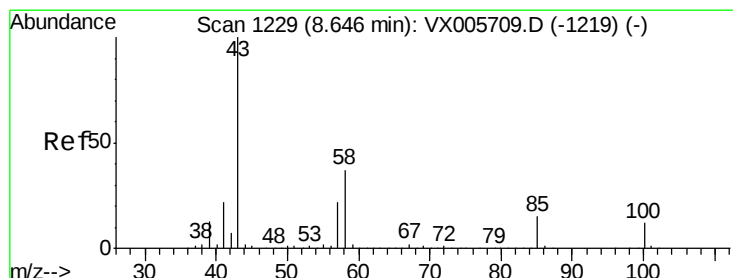
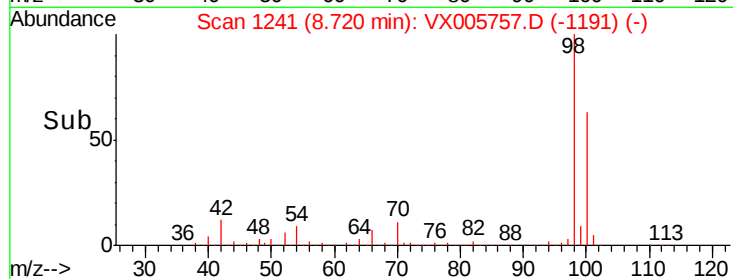
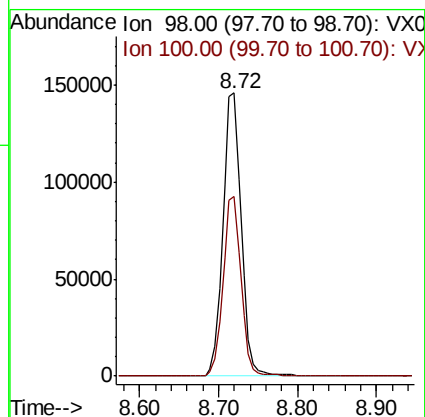
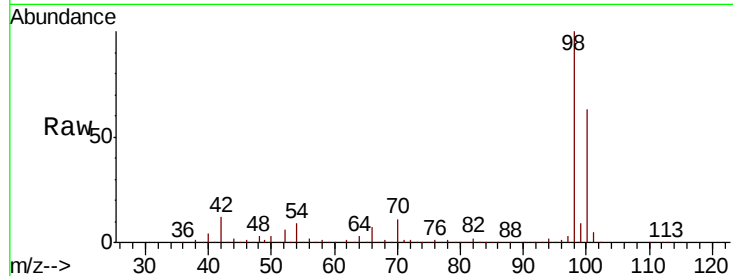




#50
Toluene-d8
Concen: 51.706 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005757.D
Acq: 02 Nov 2018 15:35

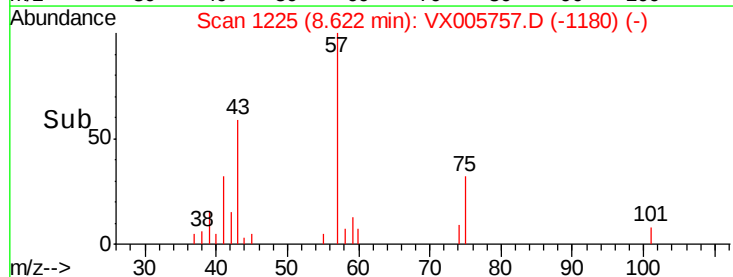
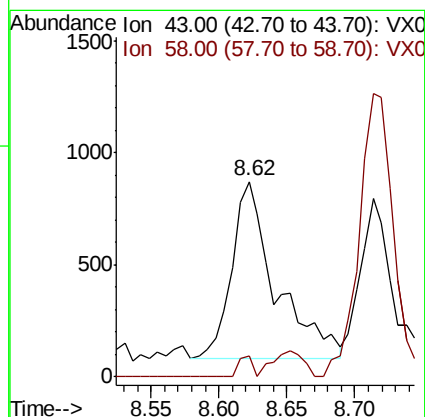
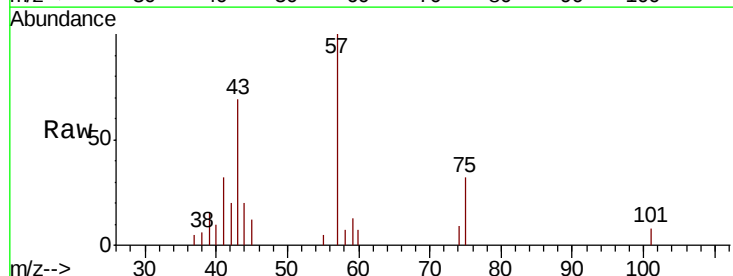
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#08

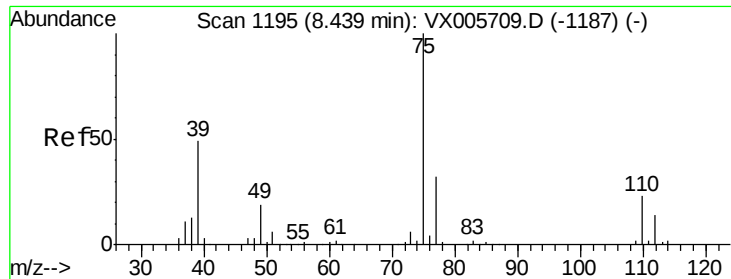
Tot Ion: 98 Resp: 235711
Ion Ratio Lower Upper
98 100
100 62.1 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.701 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VX005757.D
Acq: 02 Nov 2018 15:35

Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#

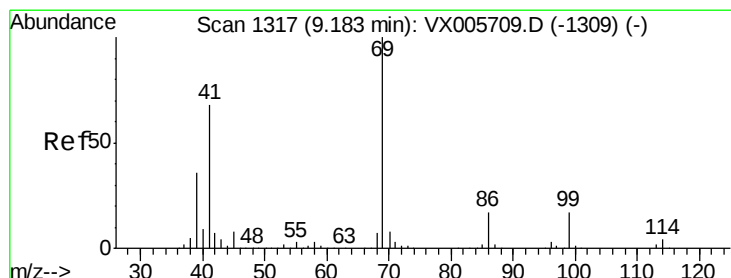
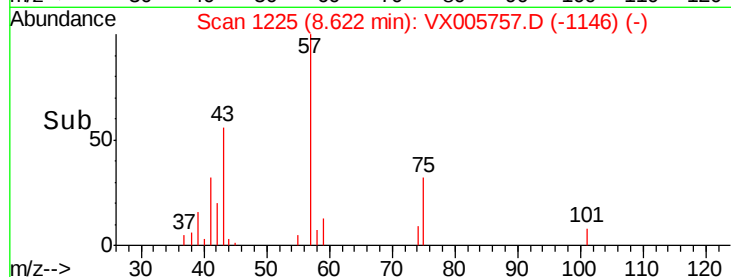
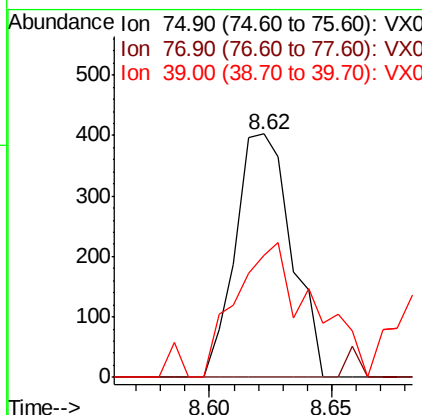
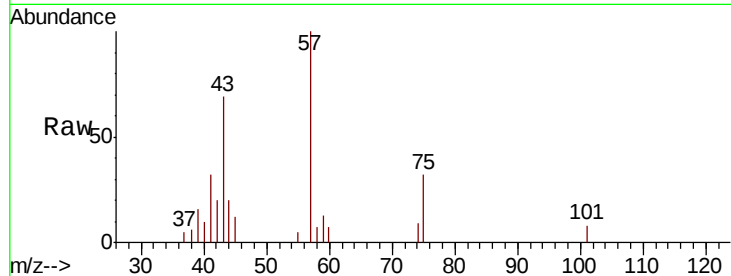




#54
 cis-1,3-Dichloropropene
 Concen: 0.301 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005757.D
 Acq: 02 Nov 2018 15:35

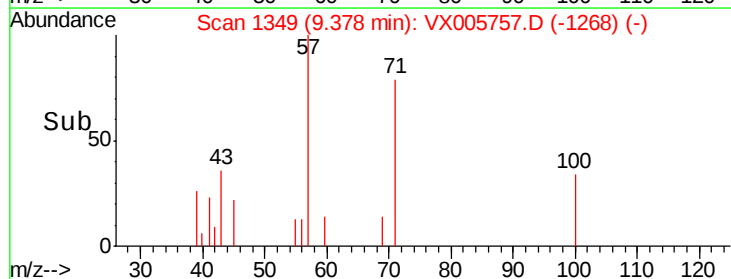
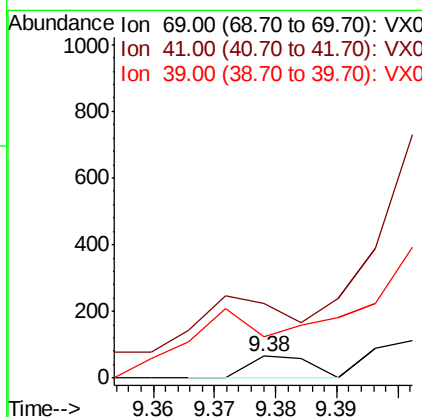
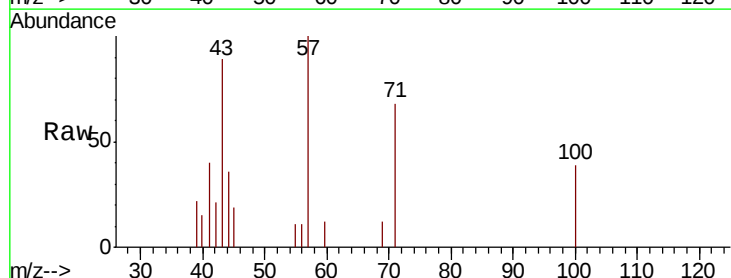
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#08

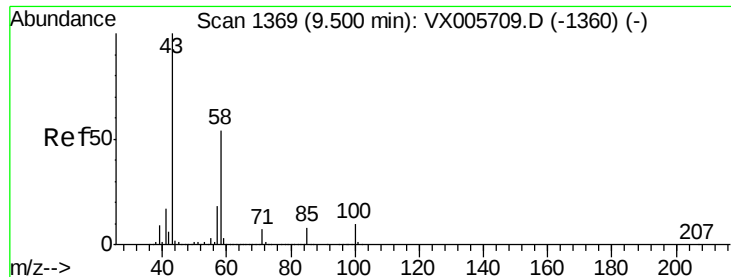
Tot Ion: 75 Resp: 639
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 50.1 38.2 57.2



#56
 Ethyl methacrylate
 Concen: 2.489 ug/l
 RT: 9.38 min Scan# 1349
 Delta R.T. 0.20 min
 Lab File: VX005757.D
 Acq: 02 Nov 2018 15:35

Tgt Ion: 69 Resp: 45
 Ion Ratio Lower Upper
 69 100
 41 0.0 57.0 85.6#
 39 406.7 28.3 42.5#

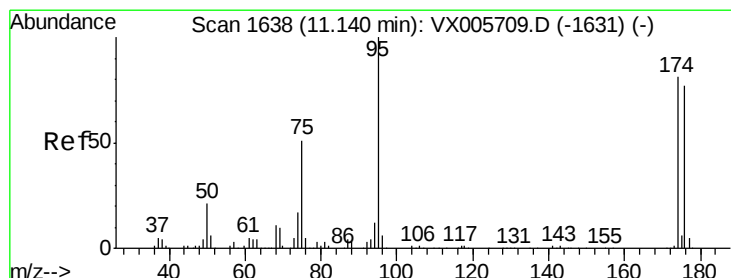
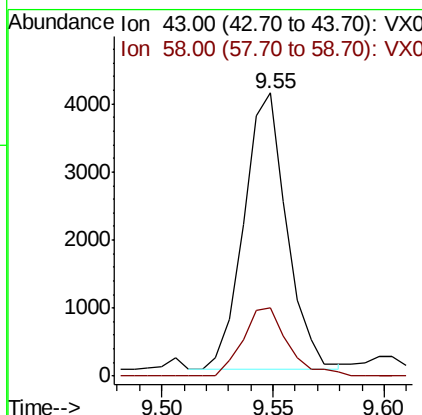
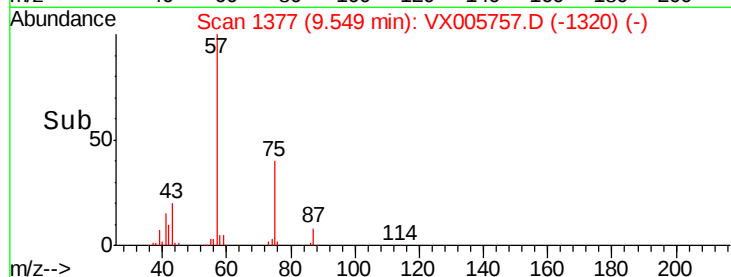
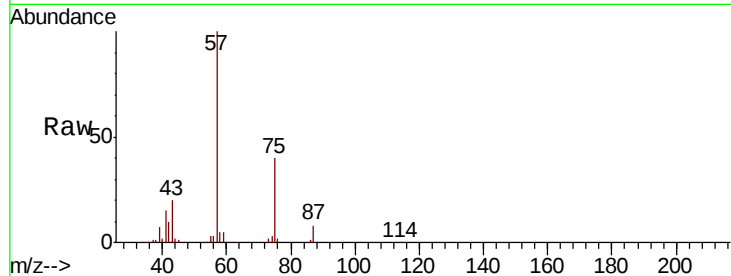




#59
2-Hexanone
Concen: 2.667 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX005757.D
Acq: 02 Nov 2018 15:35

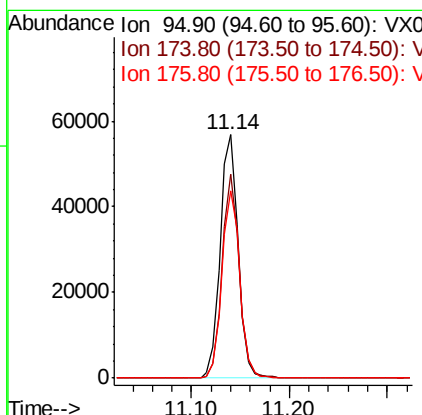
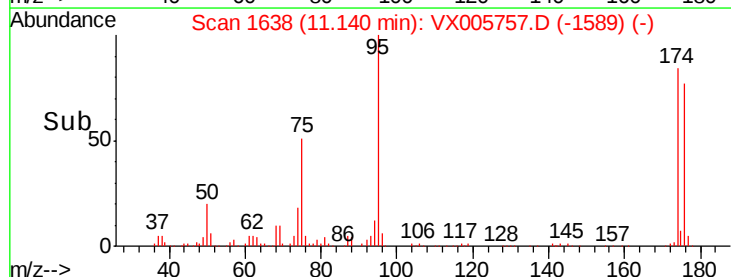
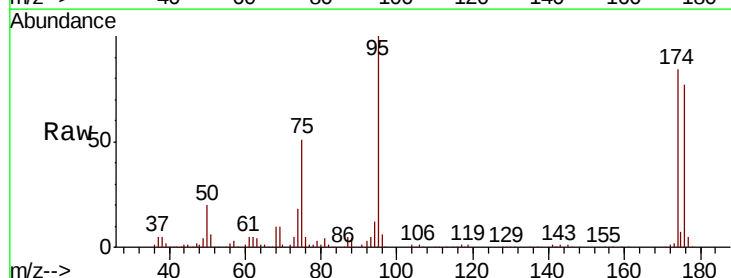
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#08

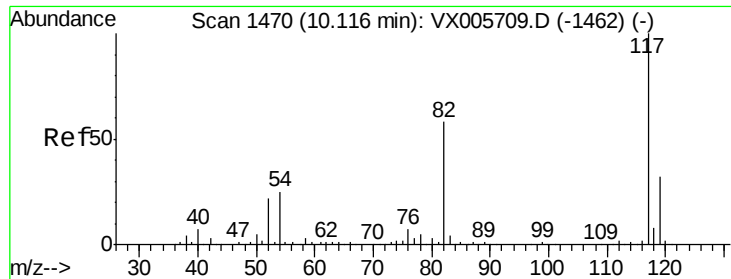
Tot Ion: 43 Resp: 5480
Ion Ratio Lower Upper
43 100
58 25.7 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 43.060 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005757.D
Acq: 02 Nov 2018 15:35

Tgt Ion: 95 Resp: 72447
Ion Ratio Lower Upper
95 100
174 79.8 0.0 184.4
176 76.8 0.0 177.4

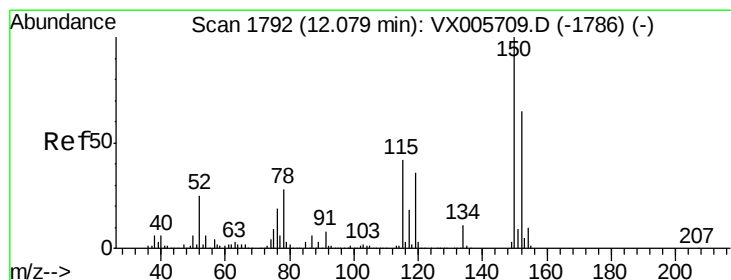
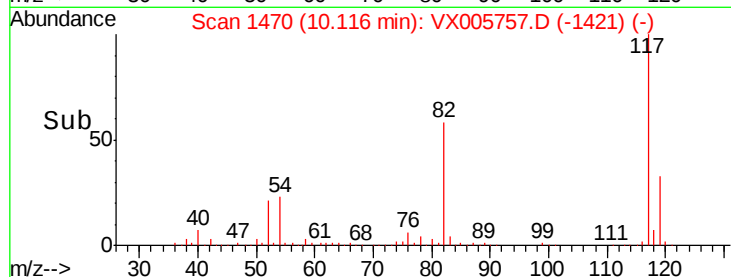
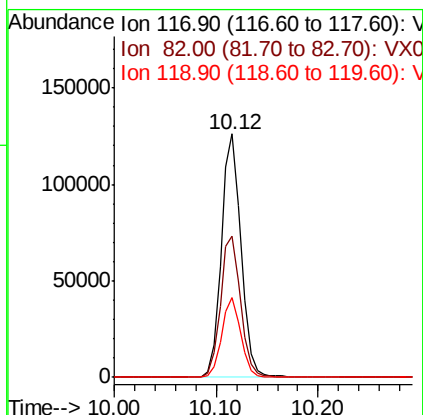
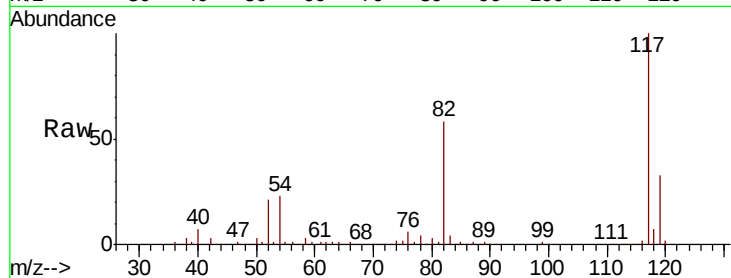




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005757.D
Acq: 02 Nov 2018 15:35

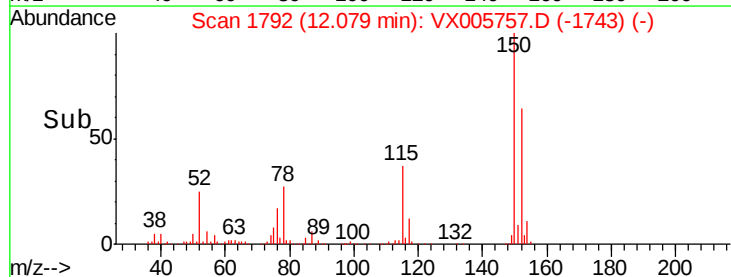
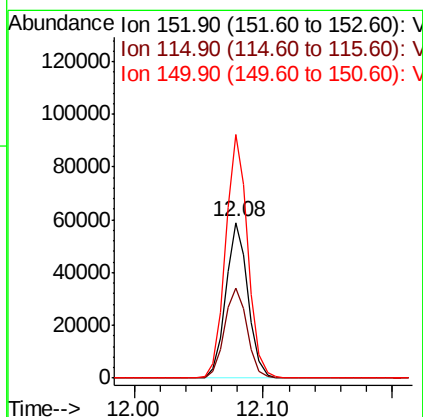
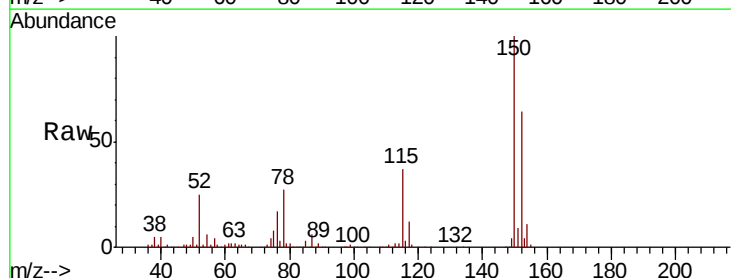
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#08

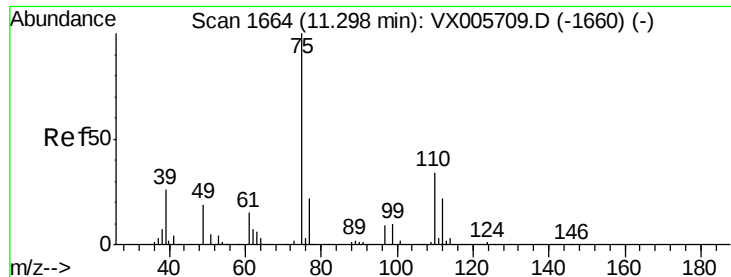
Tot Ion:117 Resp: 169676
Ion Ratio Lower Upper
117 100
82 57.9 44.1 66.1
119 32.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005757.D
Acq: 02 Nov 2018 15:35

Tgt Ion:152 Resp: 71257
Ion Ratio Lower Upper
152 100
115 59.5 39.4 118.1
150 157.2 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 21.536 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005757.D

Acq: 02 Nov 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

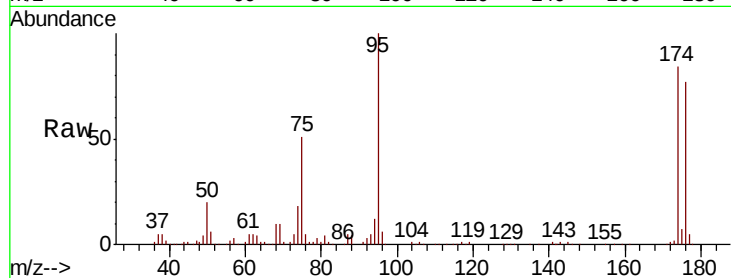
PB114401ZHE#08

Tot Ion: 75 Resp: 38221

Ion Ratio Lower Upper

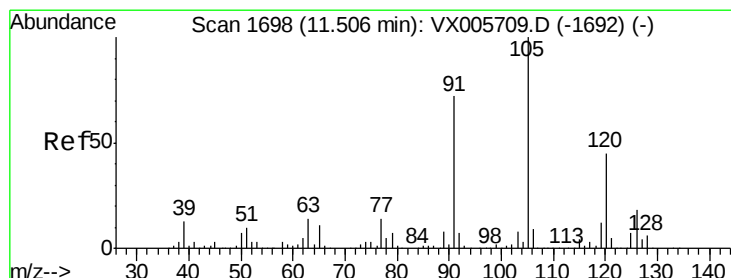
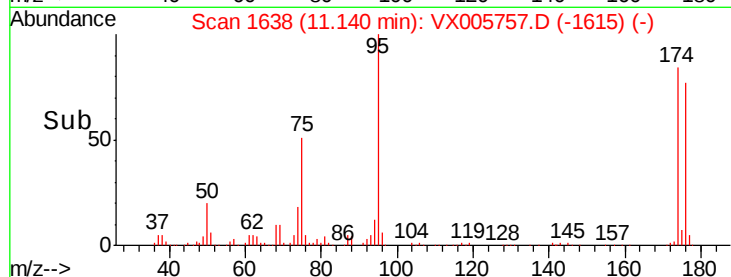
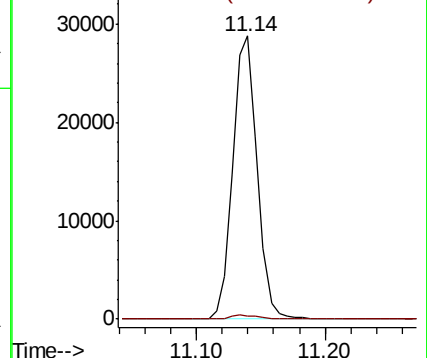
75 100

77 1.6 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.259 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX005757.D

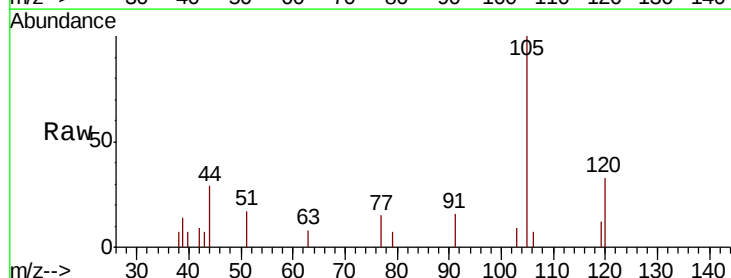
Acq: 02 Nov 2018 15:35

Tgt Ion: 105 Resp: 1033

Ion Ratio Lower Upper

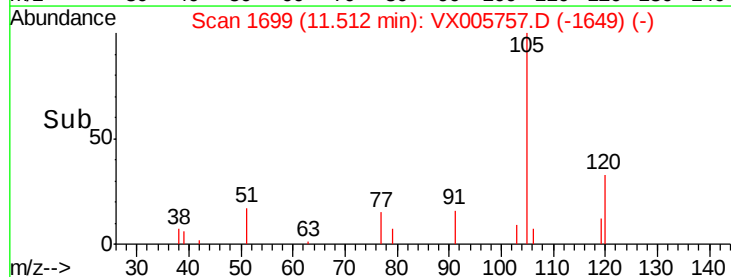
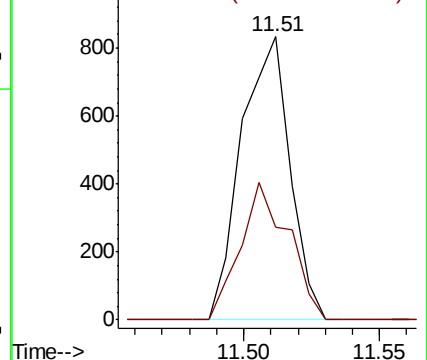
105 100

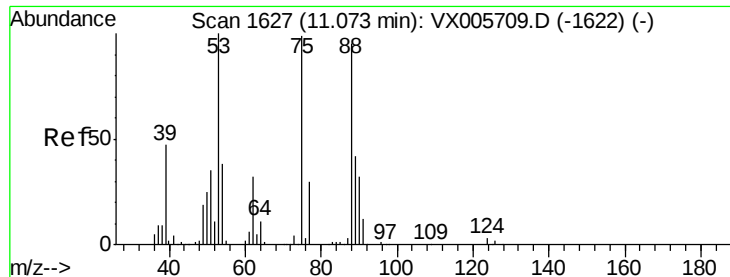
120 47.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 69.582 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005757.D

Acq: 02 Nov 2018 15:35

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#08

Tot Ion: 75 Resp: 38221

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

89 0.0 39.8 59.8#

