

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005764.D
 Acq On : 02 Nov 2018 18:44
 Operator : JC/MD
 Sample : PB114401ZHE#15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#15

Quant Time: Nov 03 01:29:40 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	107576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	179784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	165760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	69977	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	88419	56.22	ug/l	0.00
Spiked Amount			Recovery	=	112.44%	
35) Dibromofluoromethane	5.50	113	66894	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
50) Toluene-d8	8.71	98	227236	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.14	95	71027	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

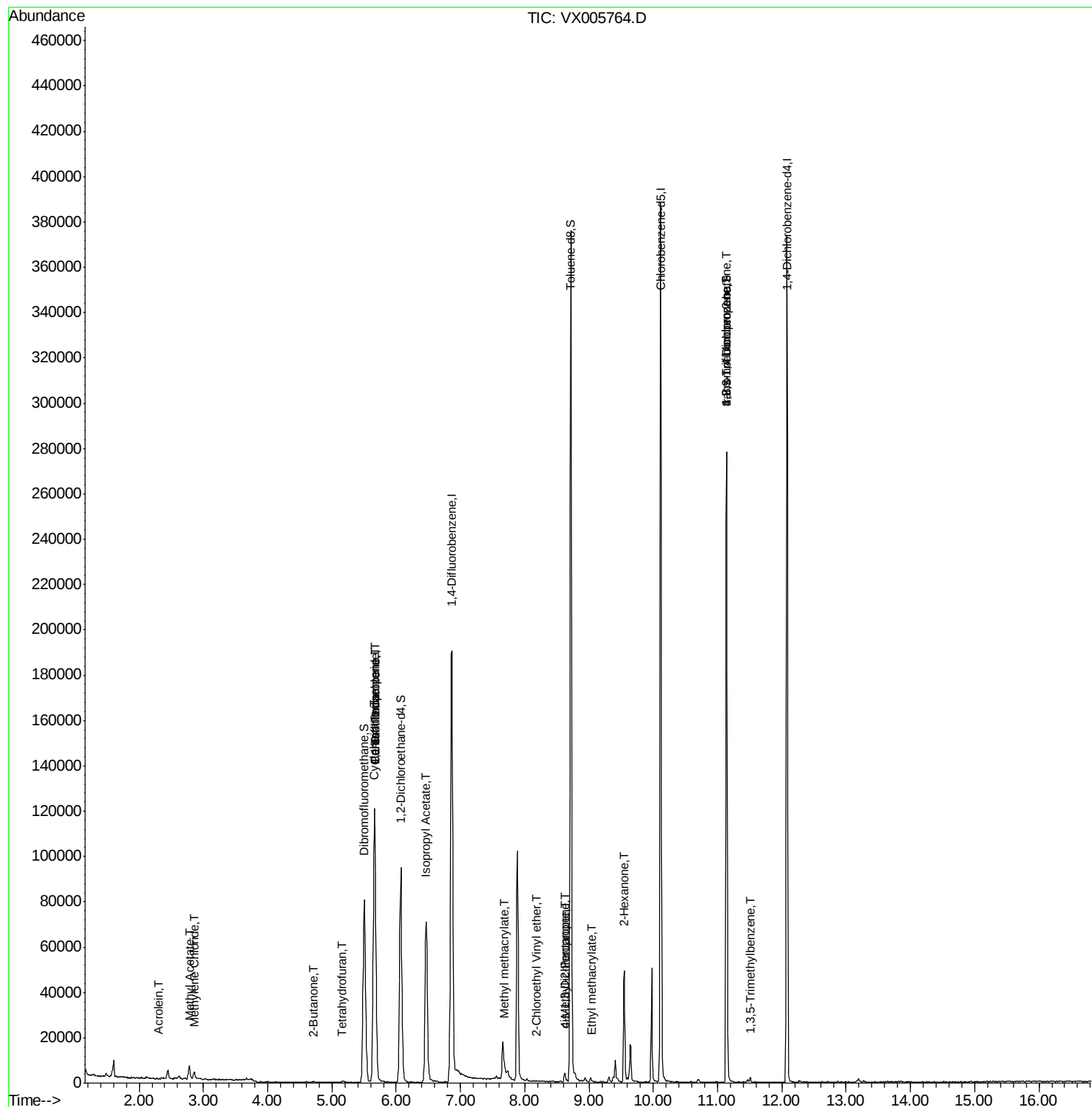
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.77	64	33	Below Cal	#	42
13) Acrolein	2.31	56	89	12.460	ug/l	92
16) Acetone	2.45	43	4034	Below Cal	#	88
18) Methyl Acetate	2.78	43	6951	3.080	ug/l	96
20) Methylene Chloride	2.85	84	1212	0.894	ug/l	90
25) 2-Butanone	4.71	43	916	0.690	ug/l #	83
29) Tetrahydrofuran	5.16	42	197	0.243	ug/l #	56
31) Cyclohexane	5.65	56	2958	1.408	ug/l #	7
36) 1,1-Dichloropropene	5.66	75	9249	4.829	ug/l #	49
38) Carbon Tetrachloride	5.66	117	11747	6.788	ug/l #	15
43) Isopropyl Acetate	6.47	43	93291	26.302	ug/l	98
48) Methyl methacrylate	7.69	41	4708	2.743	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	1575	0.651	ug/l #	57
54) cis-1,3-Dichloropropene	8.63	75	530	0.261	ug/l #	76
56) Ethyl methacrylate	9.04	69	45	2.490	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.18	63	19	10.352	ug/l #	48
59) 2-Hexanone	9.54	43	5560	2.825	ug/l #	62
76) 1,2,3-Trichloropropane	11.14	75	37501	21.517	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.51	105	926	0.236	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	37501	69.520	ug/l #	9

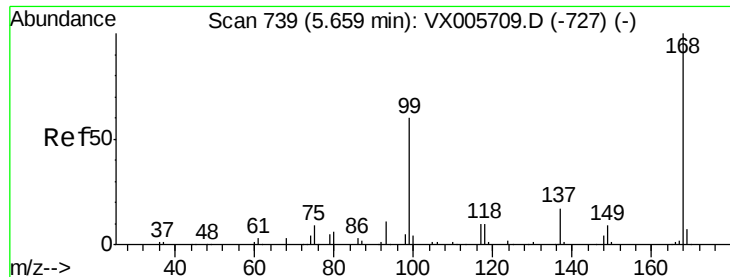
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

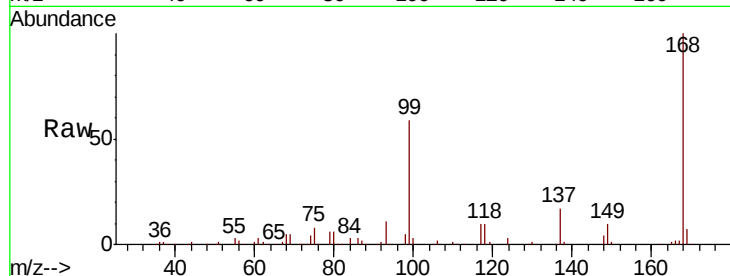
PB114401ZHE#15

Tot Ion:168 Resp: 107576

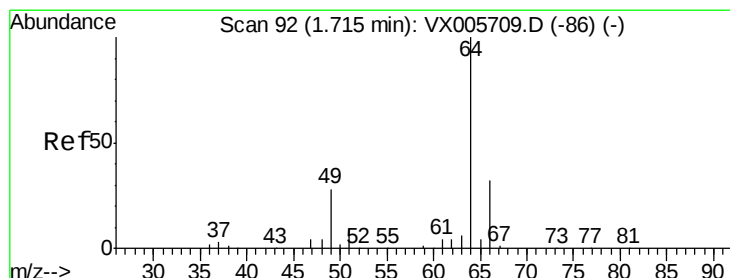
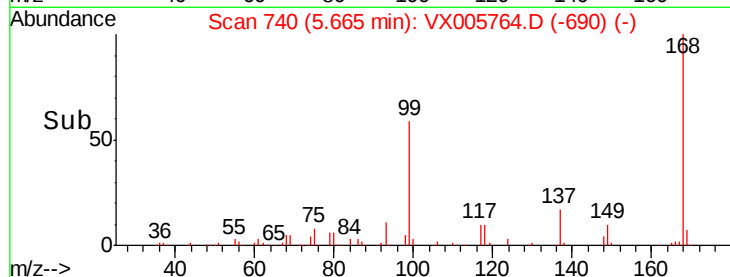
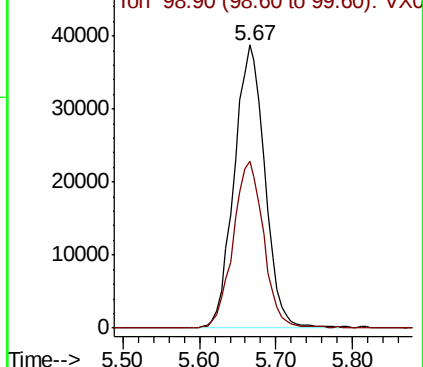
Ion Ratio Lower Upper

168 100

99 58.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V



#6

Chloroethane

Concen: Below Cal

RT: 1.77 min Scan# 101

Delta R.T. 0.06 min

Lab File: VX005764.D

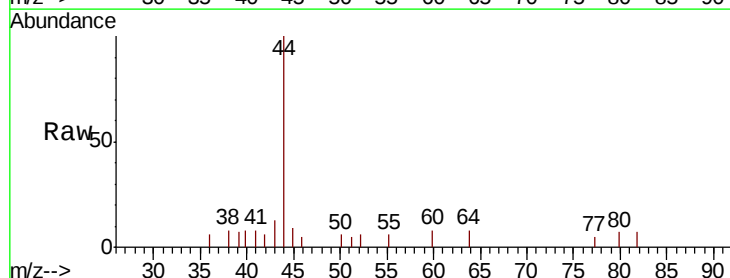
Acq: 02 Nov 2018 18:44

Tgt Ion: 64 Resp: 33

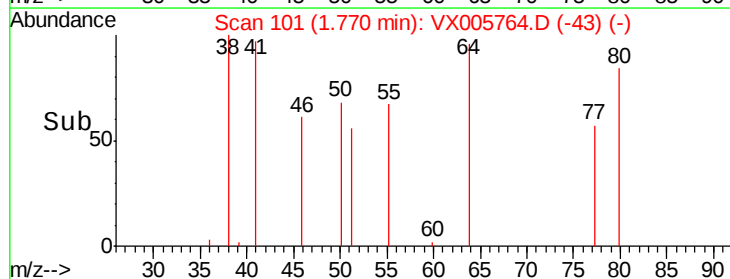
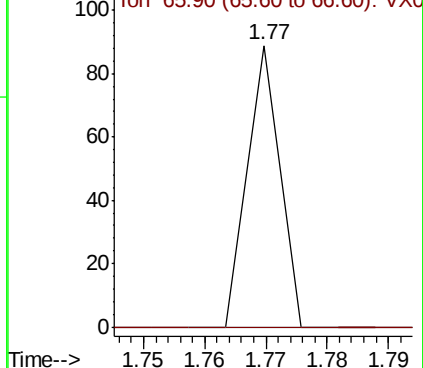
Ion Ratio Lower Upper

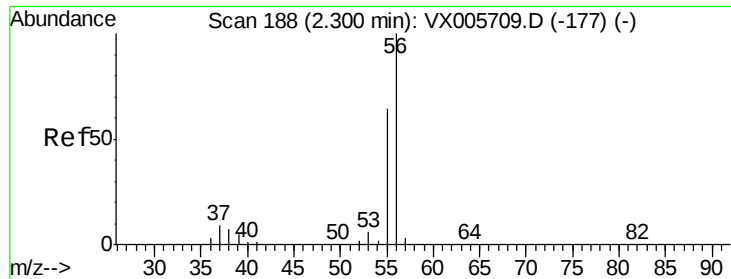
64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0





#13

Acrolein

Concen: 12.460 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

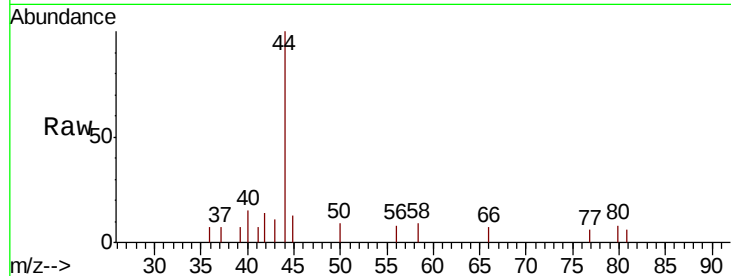
PB114401ZHE#15

Tot Ion: 56 Resp: 89

Ion Ratio Lower Upper

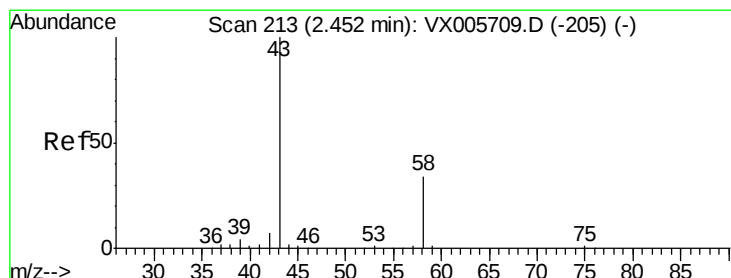
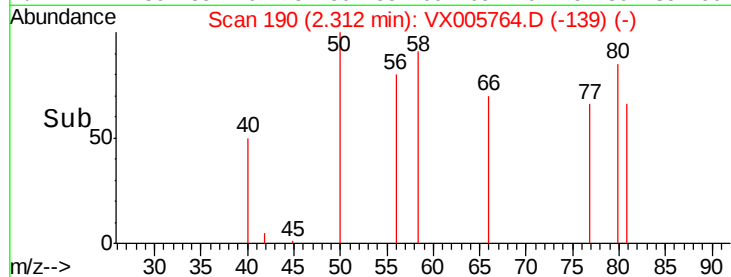
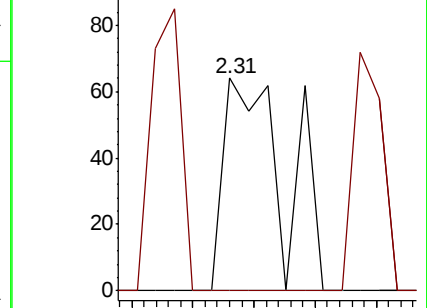
56 100

55 65.2 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: VX005764.D

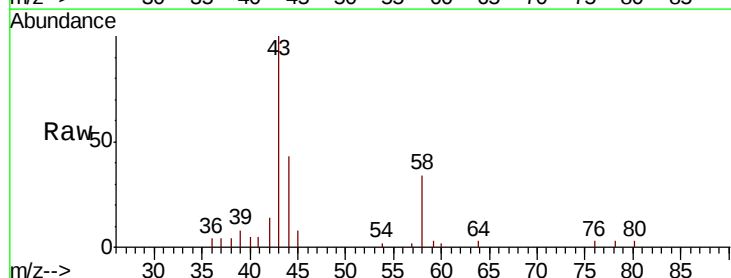
Acq: 02 Nov 2018 18:44

Tgt Ion: 43 Resp: 4034

Ion Ratio Lower Upper

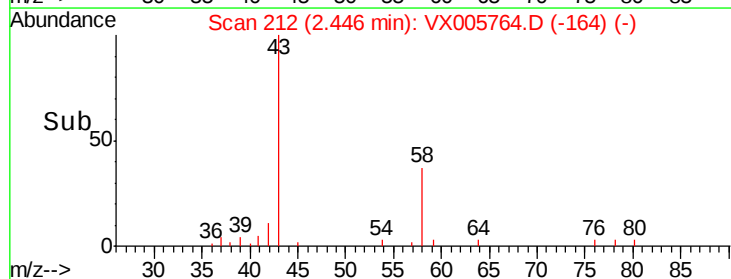
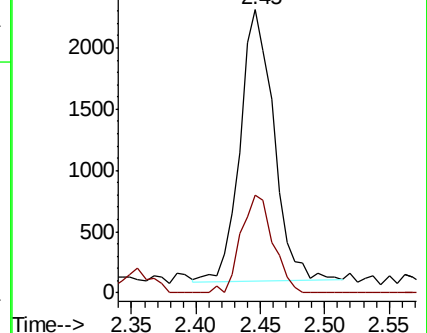
43 100

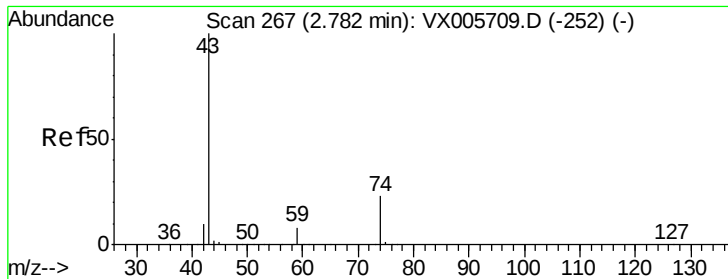
58 36.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

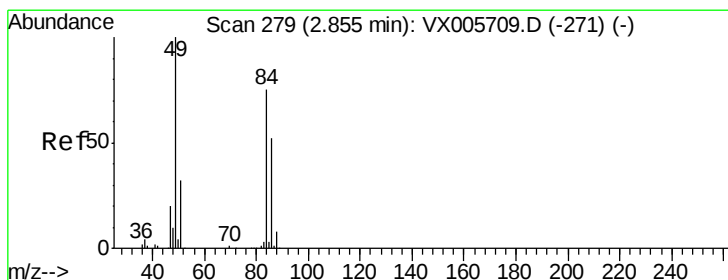
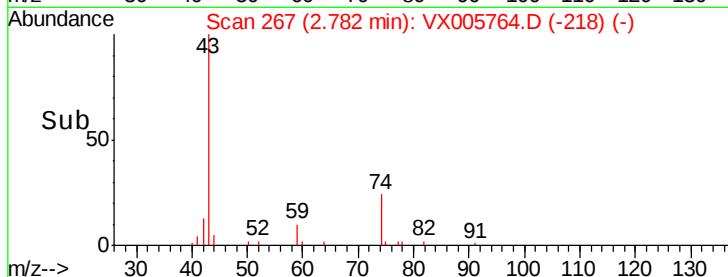
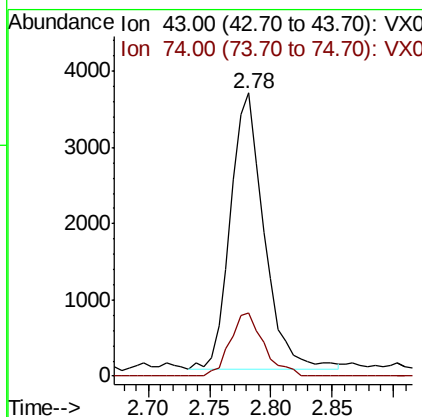
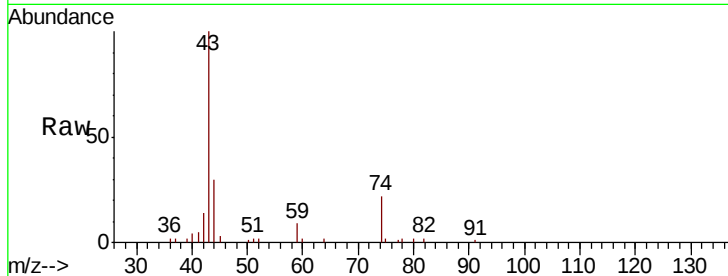




#18
Methyl Acetate
Concen: 3.080 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005764.D
Acq: 02 Nov 2018 18:44

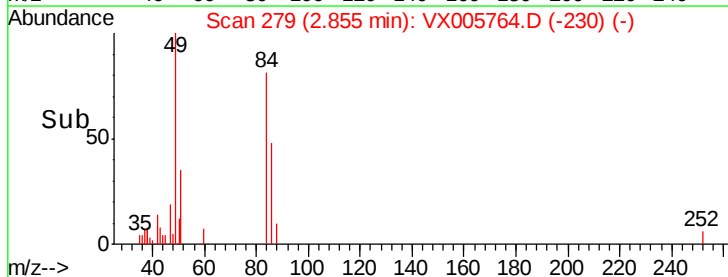
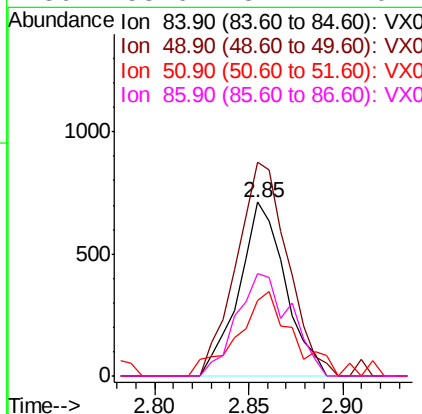
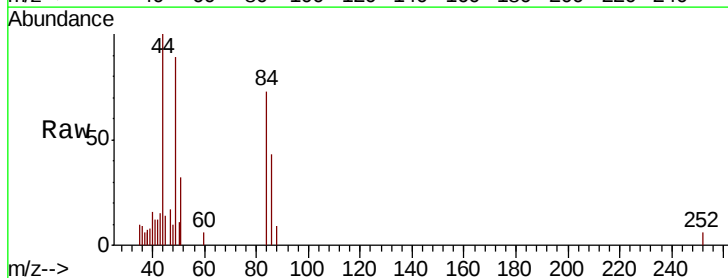
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#15

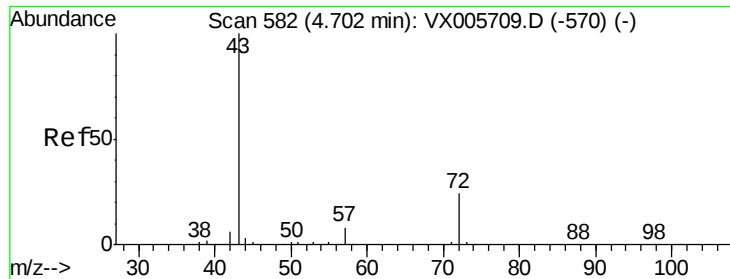
Tot Ion: 43 Resp: 6951
Ion Ratio Lower Upper
43 100
74 22.8 16.8 25.2



#20
Methylene Chloride
Concen: 0.894 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005764.D
Acq: 02 Nov 2018 18:44

Tgt Ion: 84 Resp: 1212
Ion Ratio Lower Upper
84 100
49 122.7 109.5 164.3
51 43.5 33.3 49.9
86 58.6 52.7 79.1





#25

2-Butanone

Concen: 0.690 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

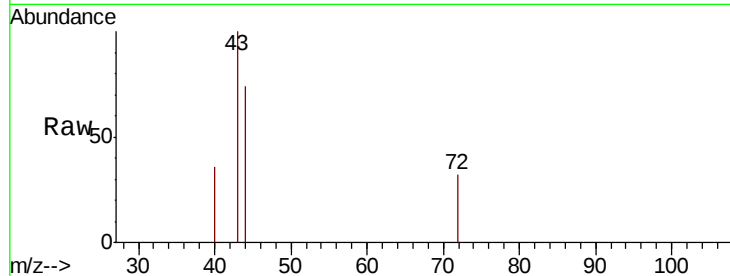
PB114401ZHE#15

Tot Ion: 43 Resp: 916

Ion Ratio Lower Upper

43 100

72 32.4 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

300

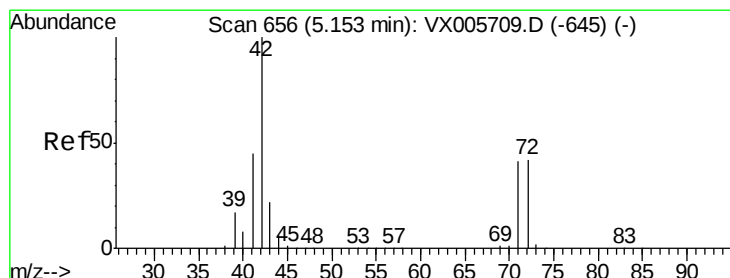
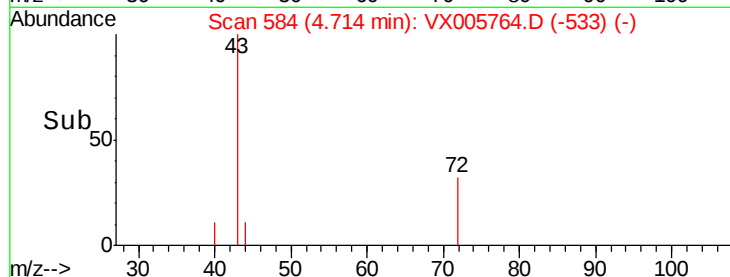
200

100

0

4.60 4.65 4.70 4.75 4.80

Time-->



#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

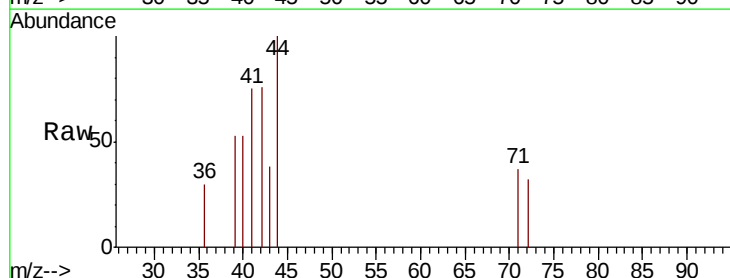
Tgt Ion: 42 Resp: 197

Ion Ratio Lower Upper

42 100

72 39.6 32.0 48.0

71 90.9 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

200

150

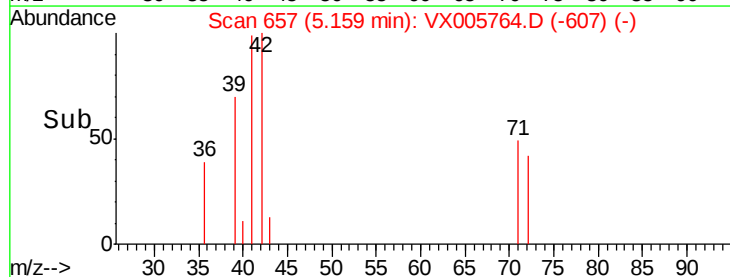
100

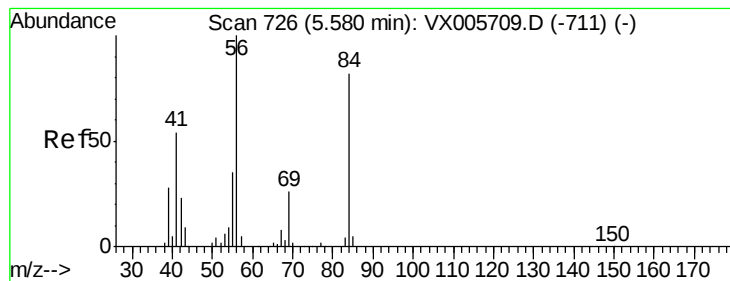
50

0

5.12 5.14 5.16 5.18

Time-->





#31

Cyclohexane

Concen: 1.408 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#15

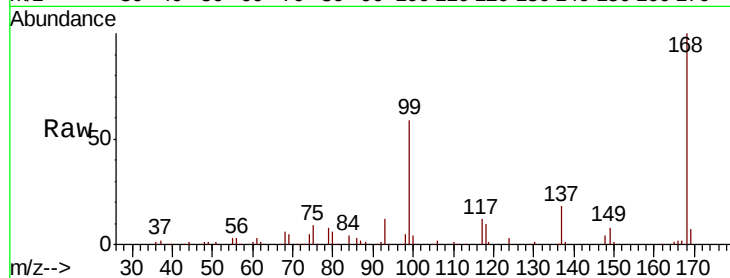
Tot Ion: 56 Resp: 2958

Ion Ratio Lower Upper

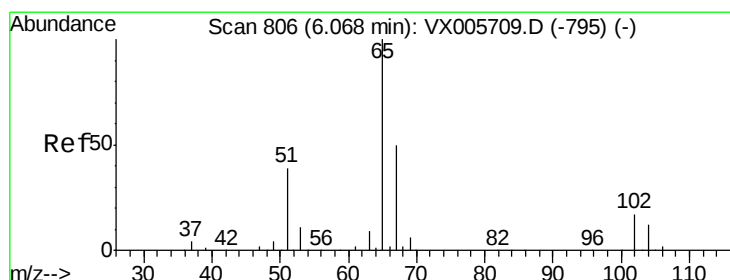
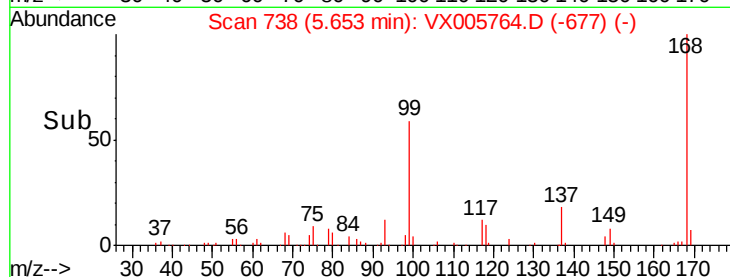
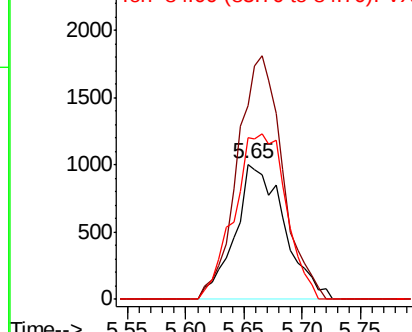
56 100

69 143.7 22.6 34.0#

84 119.8 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: 56.218 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005764.D

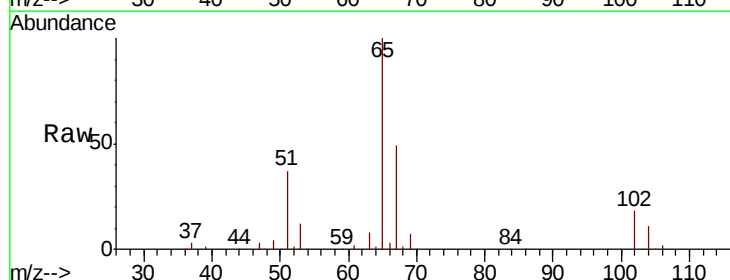
Acq: 02 Nov 2018 18:44

Tgt Ion: 65 Resp: 88419

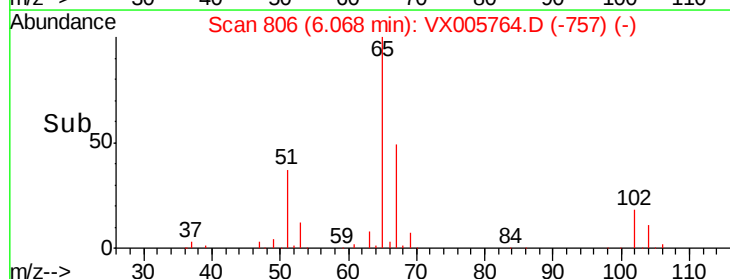
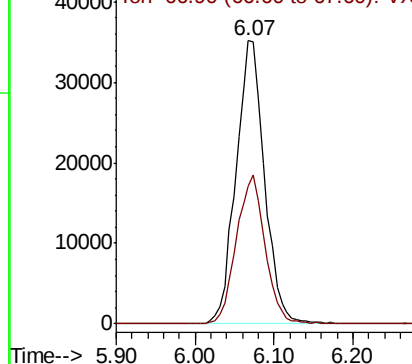
Ion Ratio Lower Upper

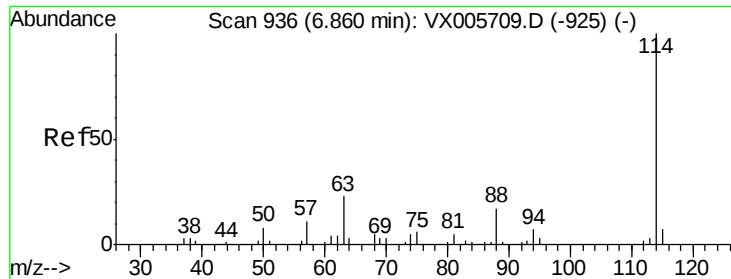
65 100

67 52.7 0.0 105.0



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

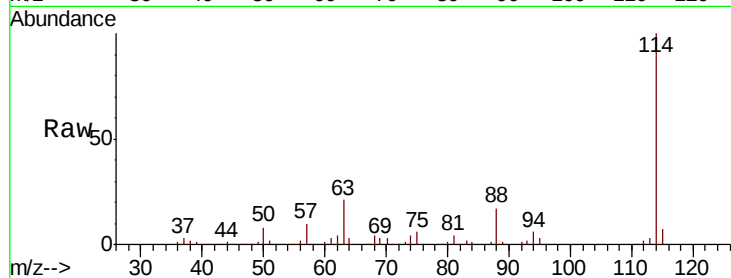




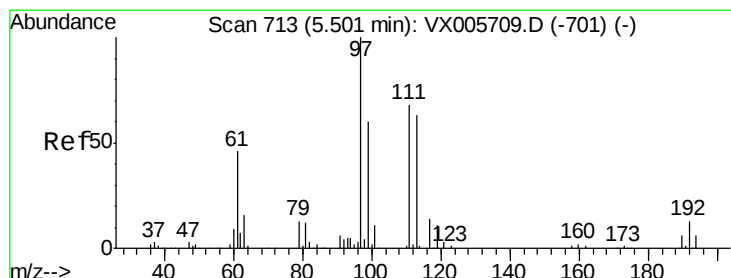
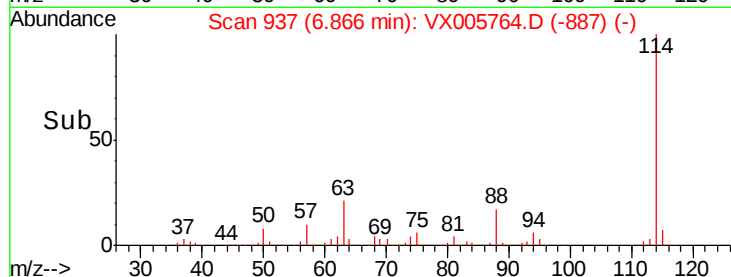
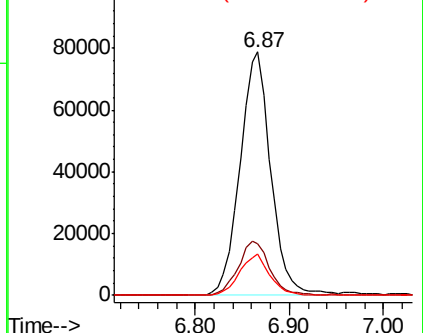
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

Instrument :
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 PB114401ZHE#15

Tot Ion:114 Resp: 179784
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.8
 88 17.1 0.0 31.2

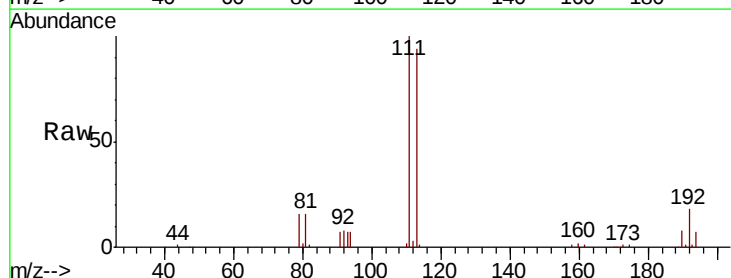


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

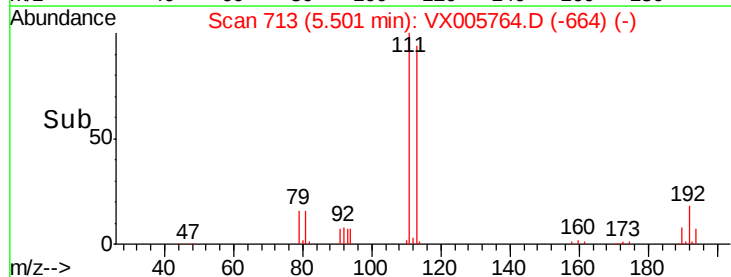
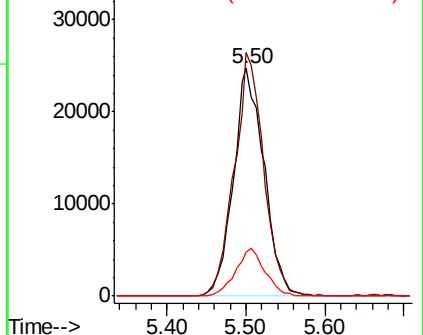


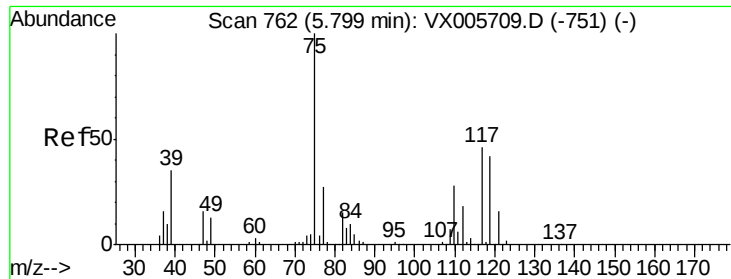
#35
 Dibromofluoromethane
 Concen: 53.737 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

Tgt Ion:113 Resp: 66894
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.3 123.5
 192 19.9 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

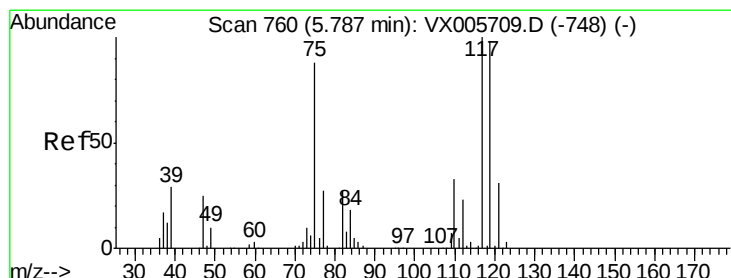
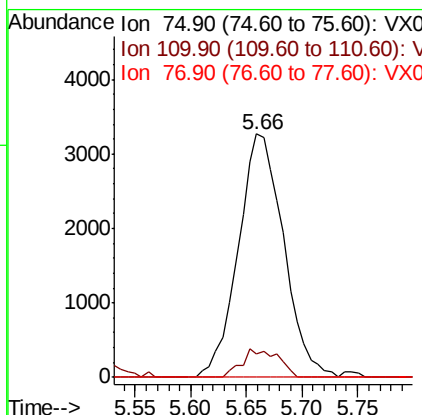
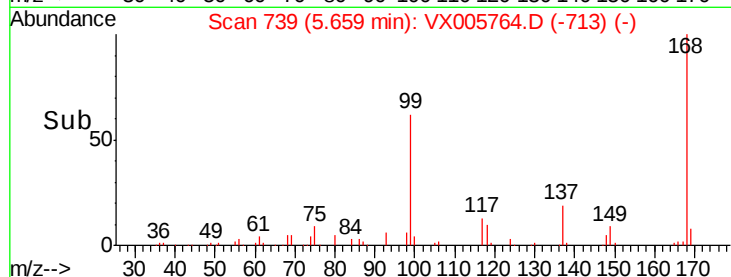
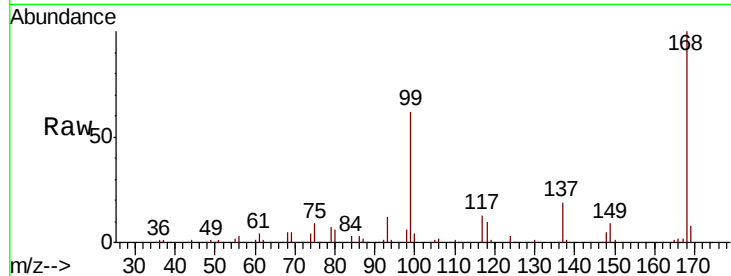




#36
 1,1-Dichloropropene
 Concen: 4.829 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

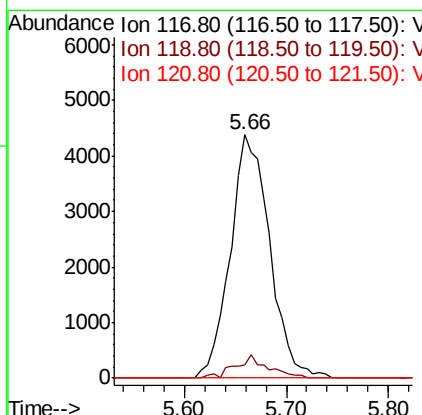
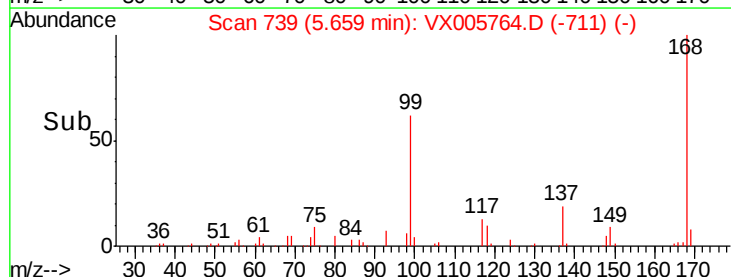
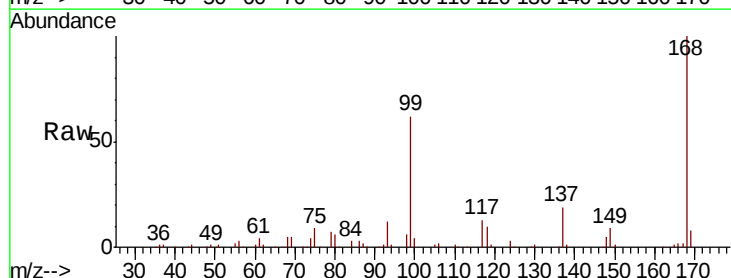
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 ClientSampleId :
 PB114401ZHE#15

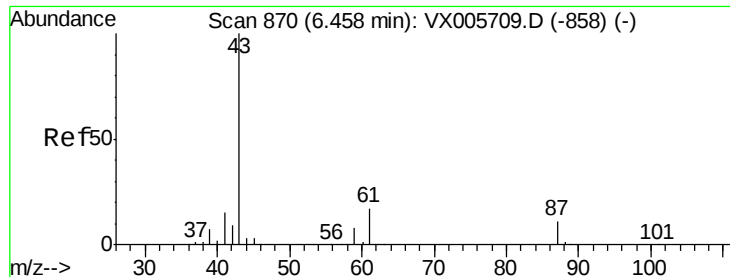
Tot Ion:	75	Resp:	9249
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.788 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

Tgt Ion:	117	Resp:	11747
Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.1	117.1#
121	0.0	24.6	36.8#



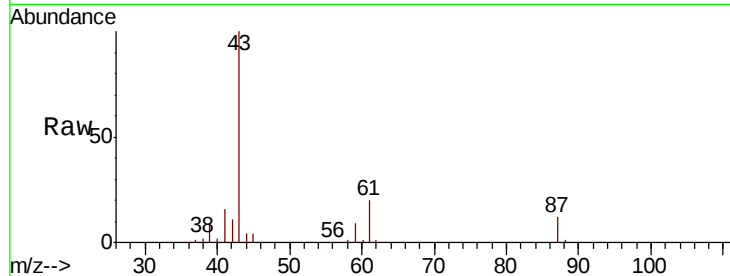


#43

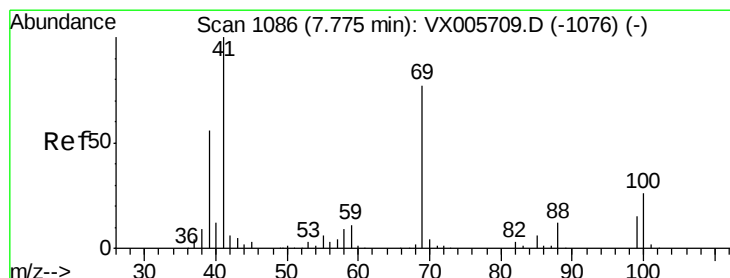
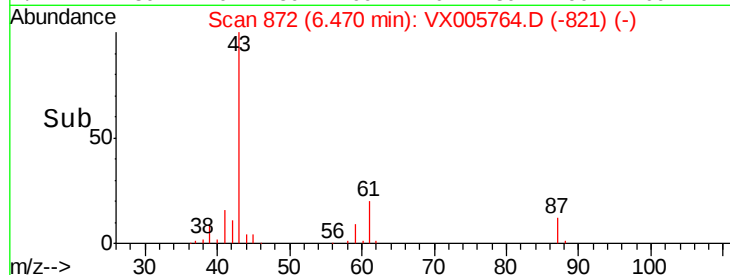
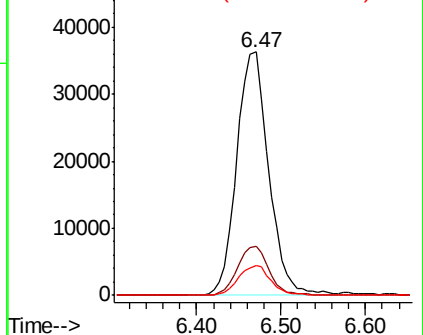
Isopropyl Acetate
 Concen: 26.302 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.01 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#15

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	14.6	22.0
87	12.4	9.6	14.4



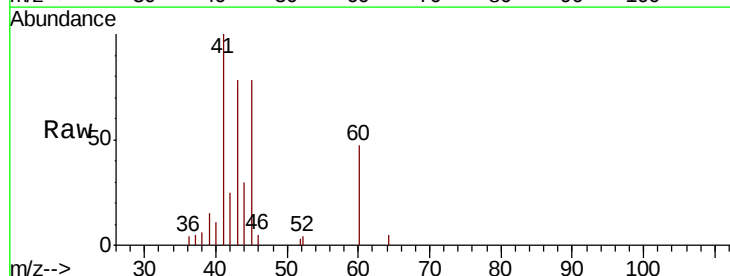
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



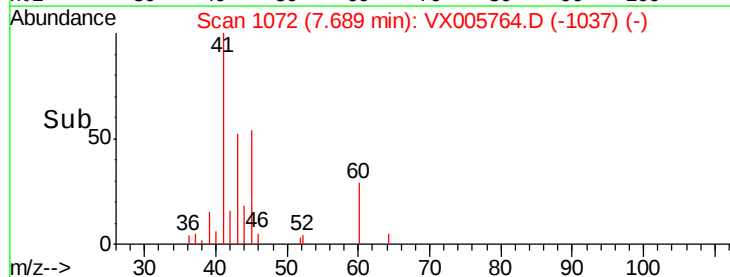
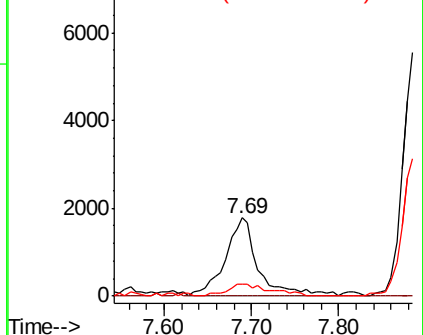
#48

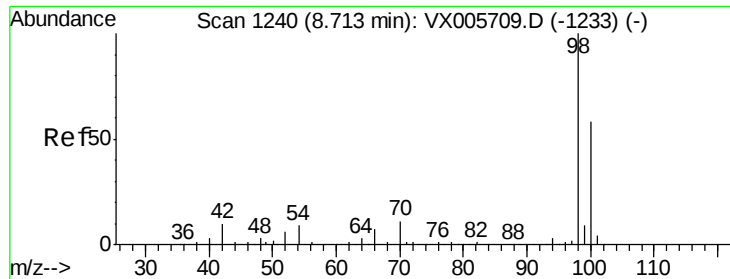
Methyl methacrylate
 Concen: 2.743 ug/l
 RT: 7.69 min Scan# 1072
 Delta R.T. -0.09 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.2	94.8#
39	15.3	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

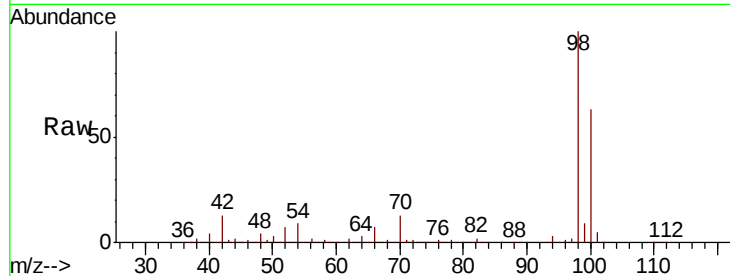




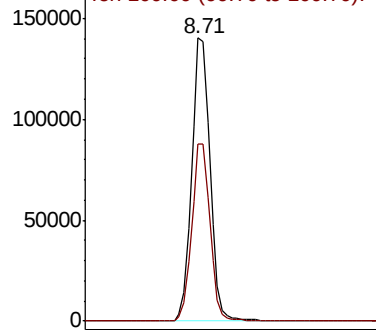
#50
Toluene-d8
Concen: 52.046 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005764.D
Acq: 02 Nov 2018 18:44

Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#15

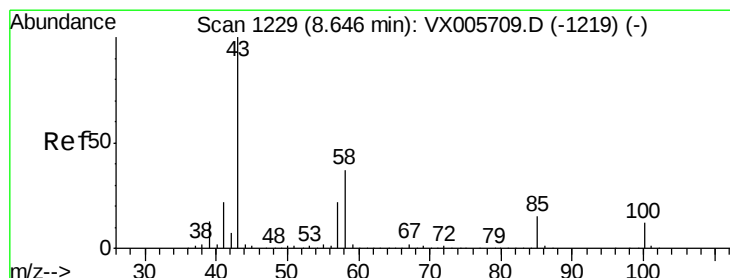
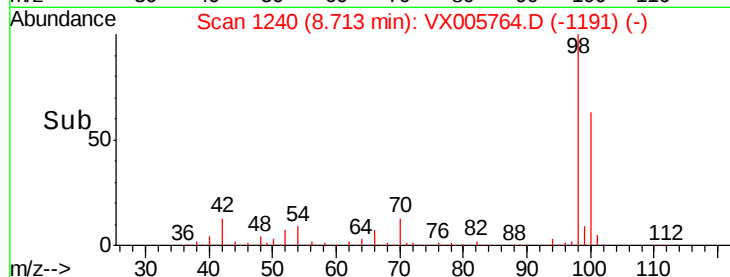
Tot Ion: 98 Resp: 227236
Ion Ratio Lower Upper
98 100
100 62.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX

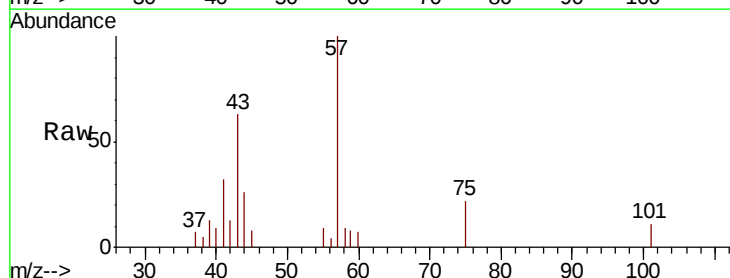


Time-->

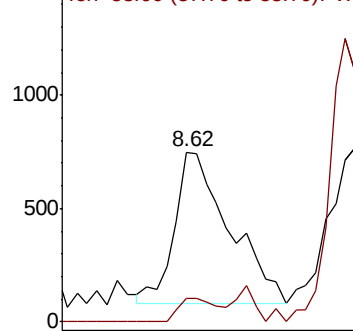


#51
4-Methyl-2-Pentanone
Concen: 0.651 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX005764.D
Acq: 02 Nov 2018 18:44

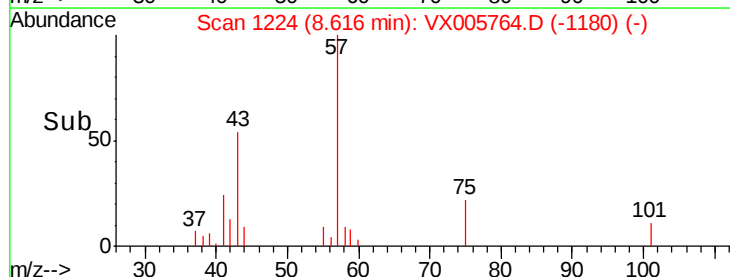
Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
58 11.3 29.7 44.5#

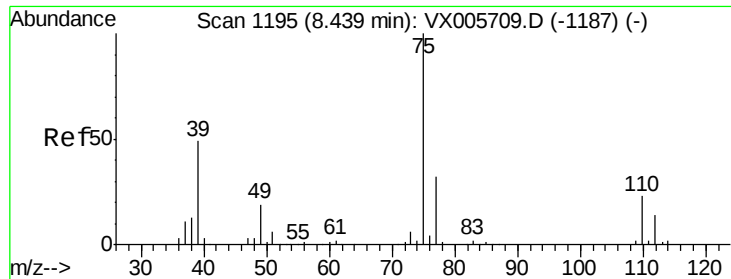


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



Time-->

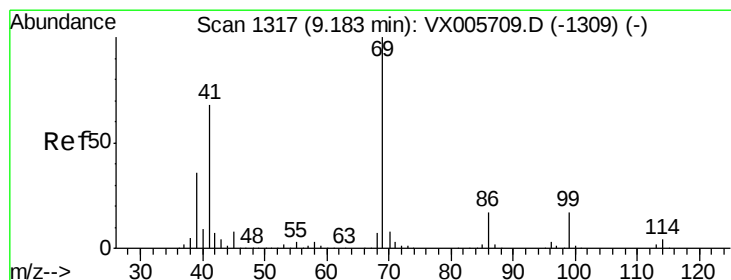
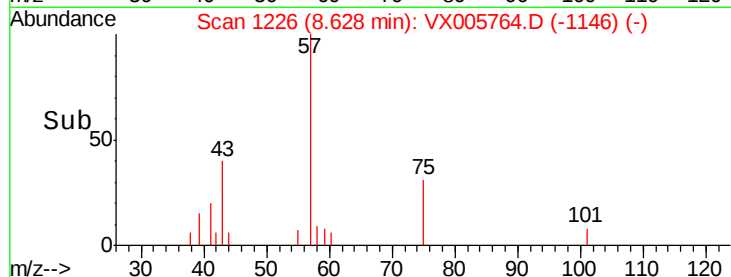
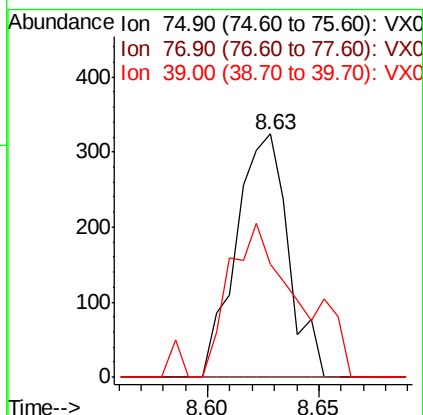
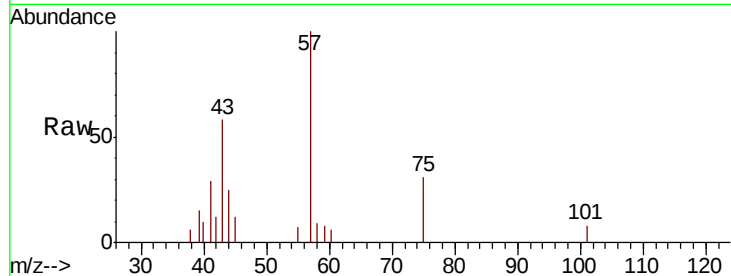




#54
 cis-1,3-Dichloropropene
 Concen: 0.261 ug/l
 RT: 8.63 min Scan# 1226
 Delta R.T. 0.19 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

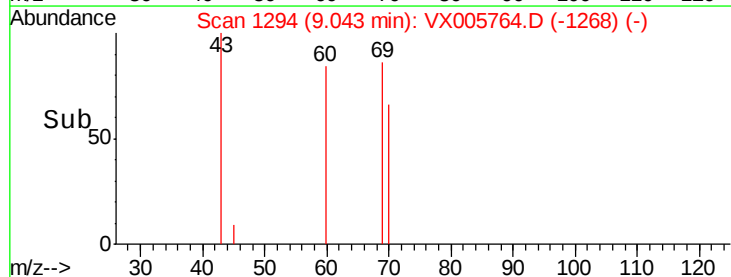
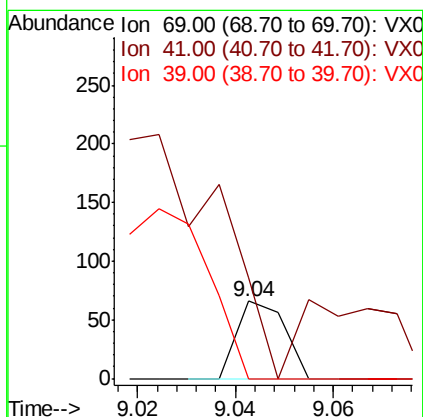
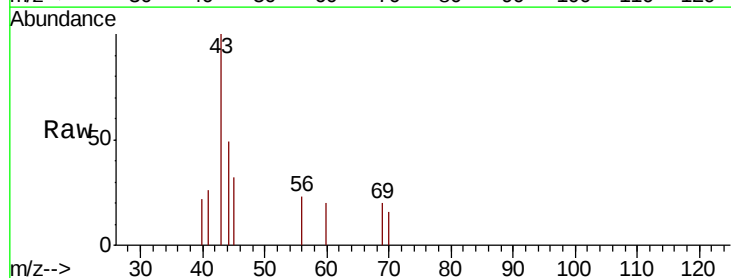
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#15

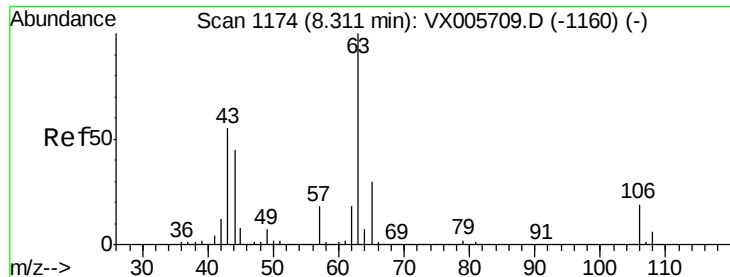
Tot Ion: 75 Resp: 530
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 46.6 38.2 57.2



#56
 Ethyl methacrylate
 Concen: 2.490 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.14 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

Tgt Ion: 69 Resp: 45
 Ion Ratio Lower Upper
 69 100
 41 191.1 57.0 85.6#
 39 0.0 28.3 42.5#





#58

2-Chloroethyl Vinyl ether

Concen: 10.352 ug/l

RT: 8.18 min Scan# 1152

Delta R.T. -0.13 min

Lab File: VX005764.D

Acq: 02 Nov 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

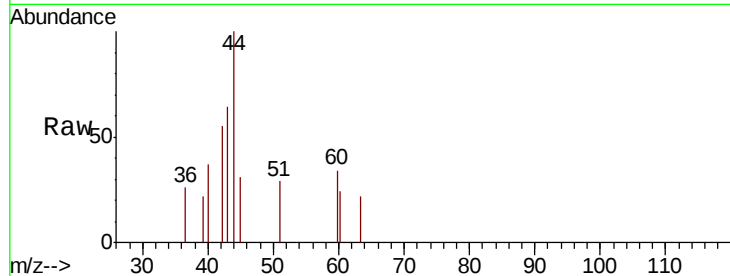
PB114401ZHE#15

Tot Ion: 63 Resp: 19

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#

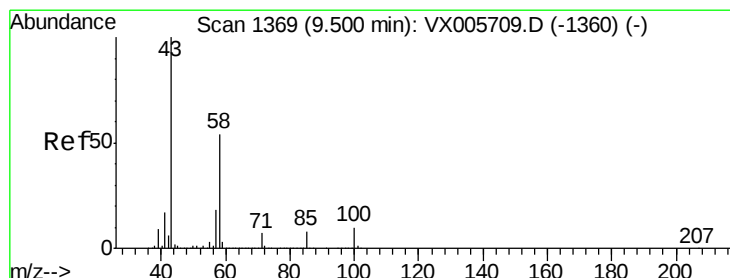
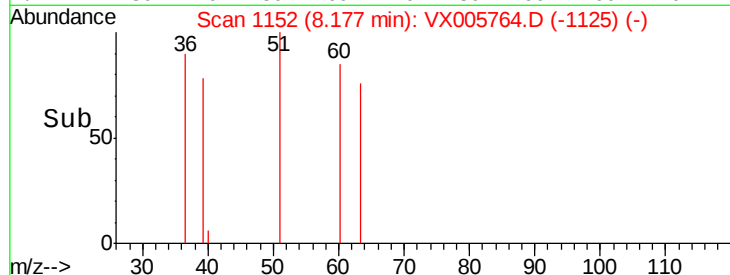


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.18

Time-->



#59

2-Hexanone

Concen: 2.825 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.04 min

Lab File: VX005764.D

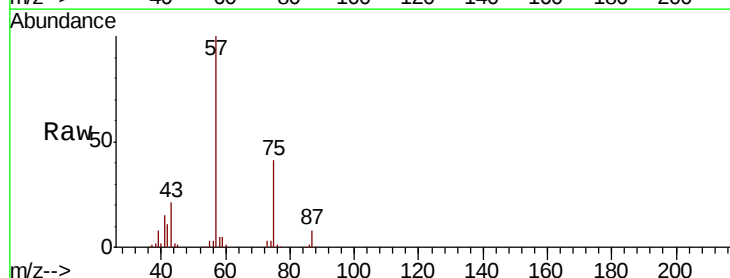
Acq: 02 Nov 2018 18:44

Tgt Ion: 43 Resp: 5560

Ion Ratio Lower Upper

43 100

58 25.0 25.9 77.8#

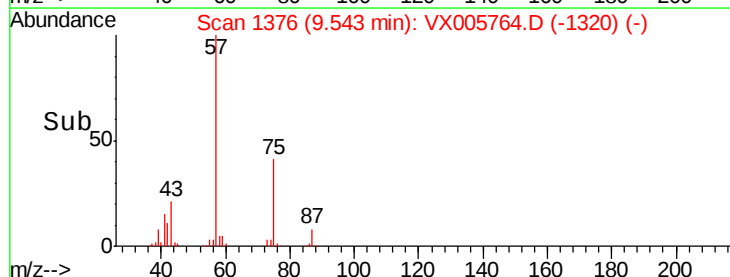


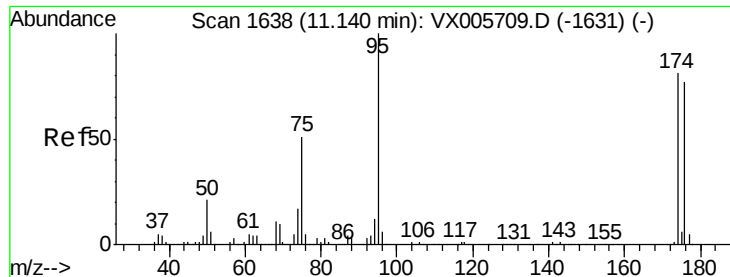
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.54

Time-->

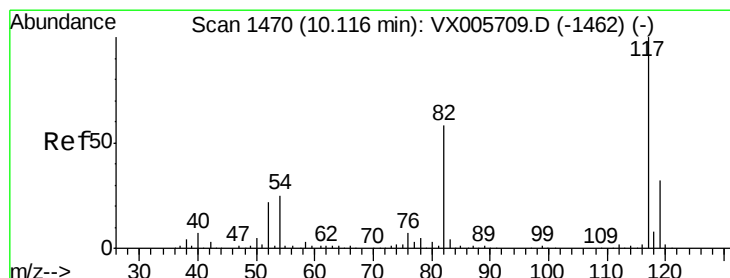
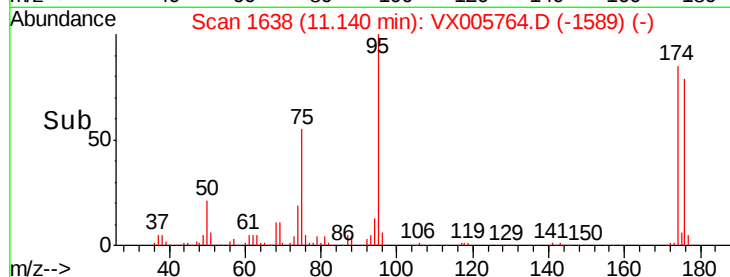
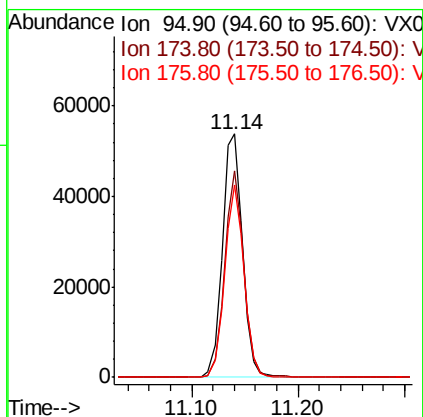
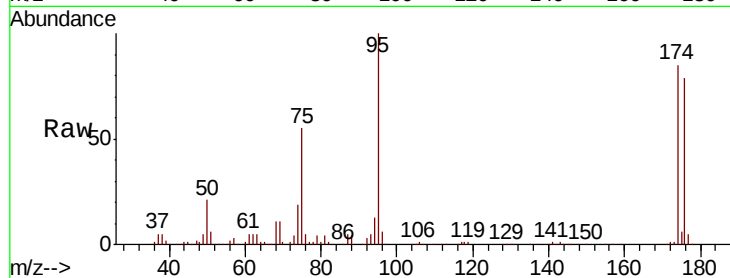




#62
4-Bromofluorobenzene
Concen: 44.078 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005764.D
Acq: 02 Nov 2018 18:44

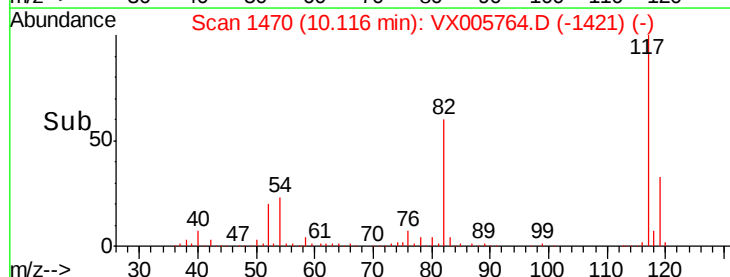
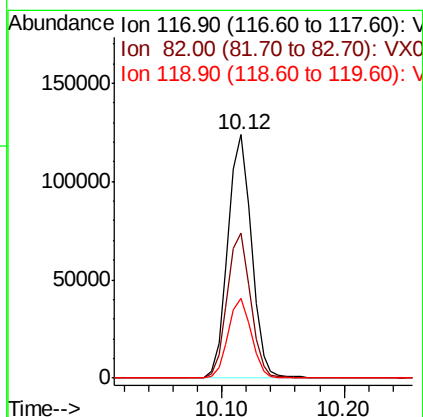
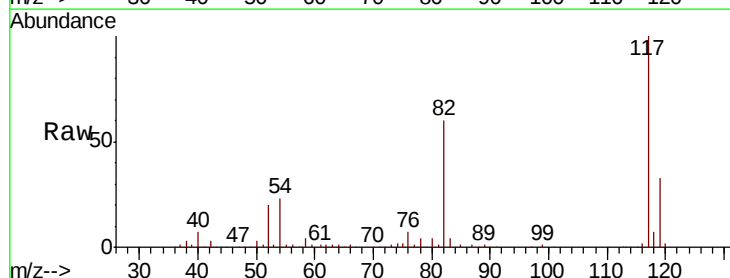
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#15

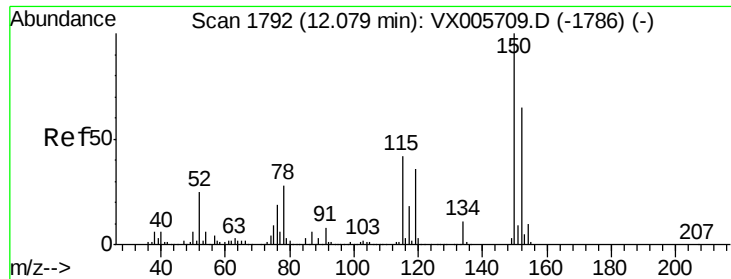
Tot Ion: 95 Resp: 71027
Ion Ratio Lower Upper
95 100
174 80.5 0.0 184.4
176 75.9 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005764.D
Acq: 02 Nov 2018 18:44

Tgt Ion: 117 Resp: 165760
Ion Ratio Lower Upper
117 100
82 59.8 44.1 66.1
119 32.5 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: VX005764.D

Acq: 02 Nov 2018 18:44

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#15

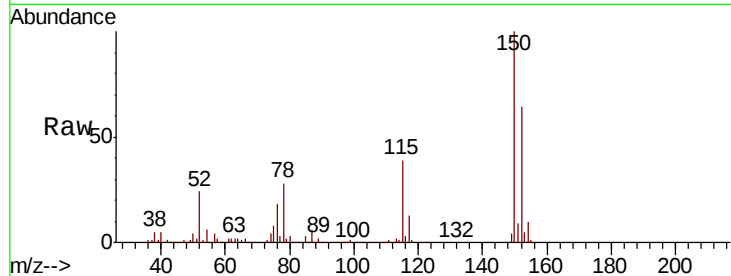
Tot Ion:152 Resp: 69977

Ion Ratio Lower Upper

152 100

115 59.4 39.4 118.1

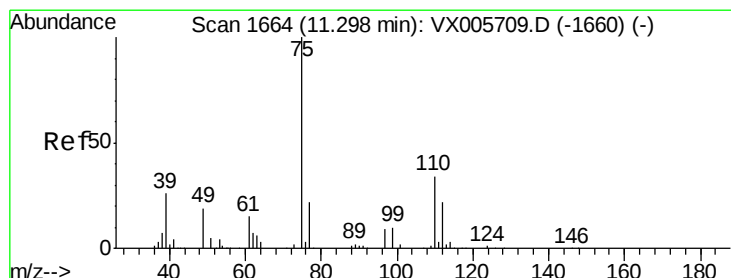
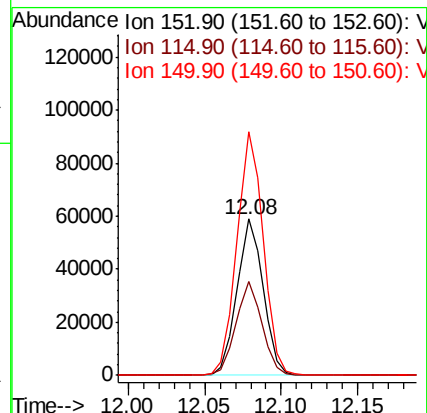
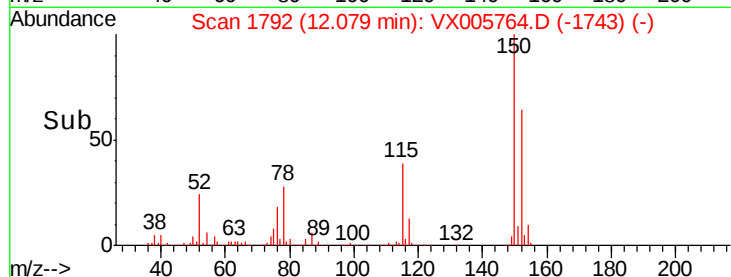
150 156.8 0.0 346.4



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: 21.517 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005764.D

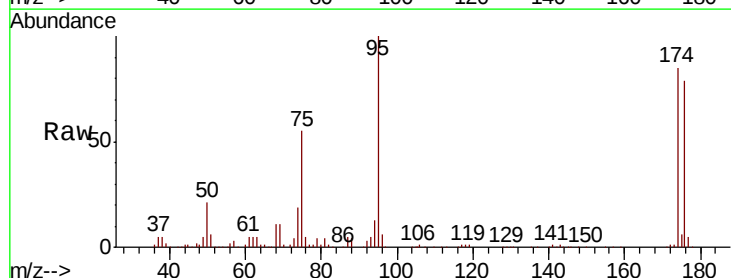
Acq: 02 Nov 2018 18:44

Tgt Ion: 75 Resp: 37501

Ion Ratio Lower Upper

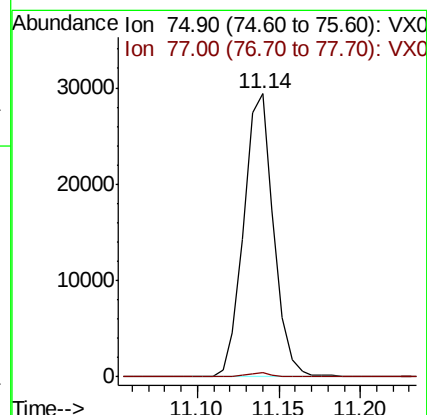
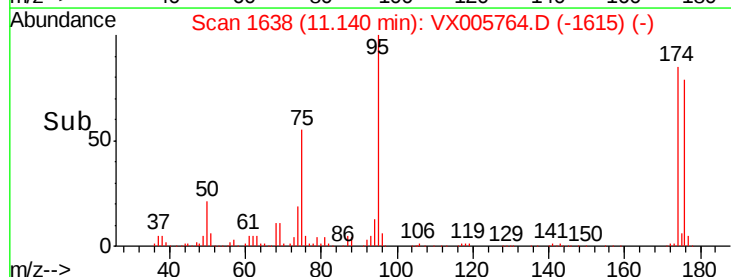
75 100

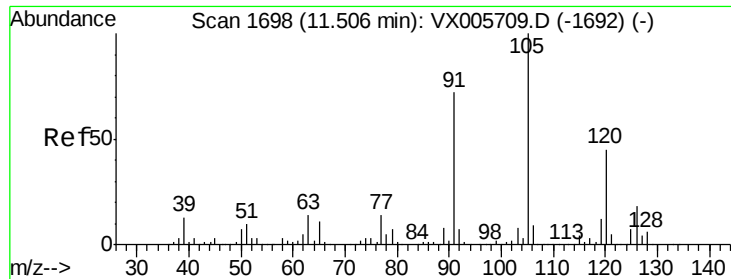
77 1.3 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

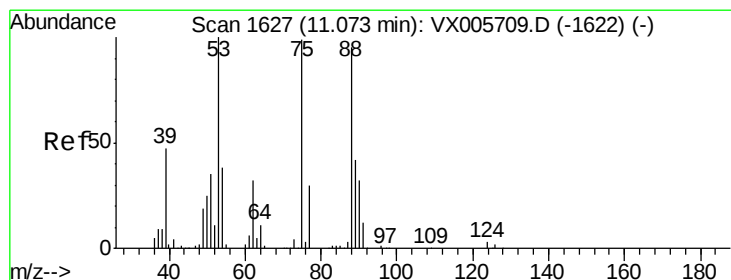
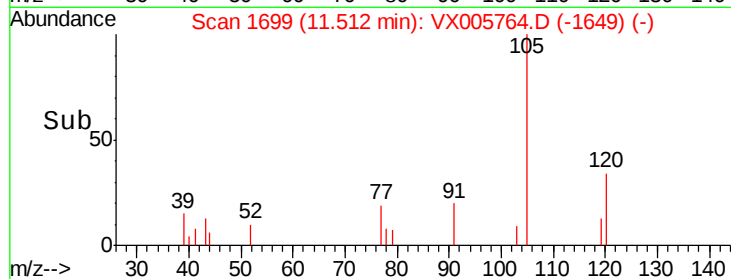
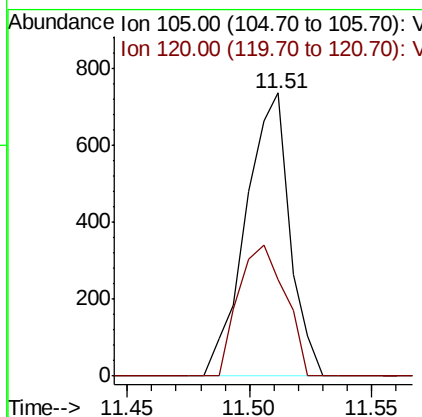
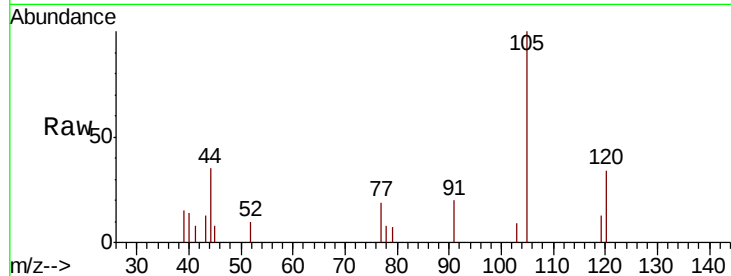




#80
 1,3,5-Trimethylbenzene
 Concen: 0.236 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#15

Tot Ion:105 Resp: 926
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.520 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005764.D
 Acq: 02 Nov 2018 18:44

Tgt Ion: 75 Resp: 37501
 Ion Ratio Lower Upper
 75 100
 53 0.5 80.2 120.2#
 89 0.1 39.8 59.8#

