

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005760.D
 Acq On : 02 Nov 2018 16:56
 Operator : JC/MD
 Sample : PB114401ZHE#11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#11

Quant Time: Nov 03 01:28:41 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	110983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	184171	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	164489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	69557	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	83055	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
35) Dibromofluoromethane	5.51	113	62981	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	8.72	98	225949	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.14	95	70469	42.69	ug/l	0.00
Spiked Amount			Recovery	=	85.38%	

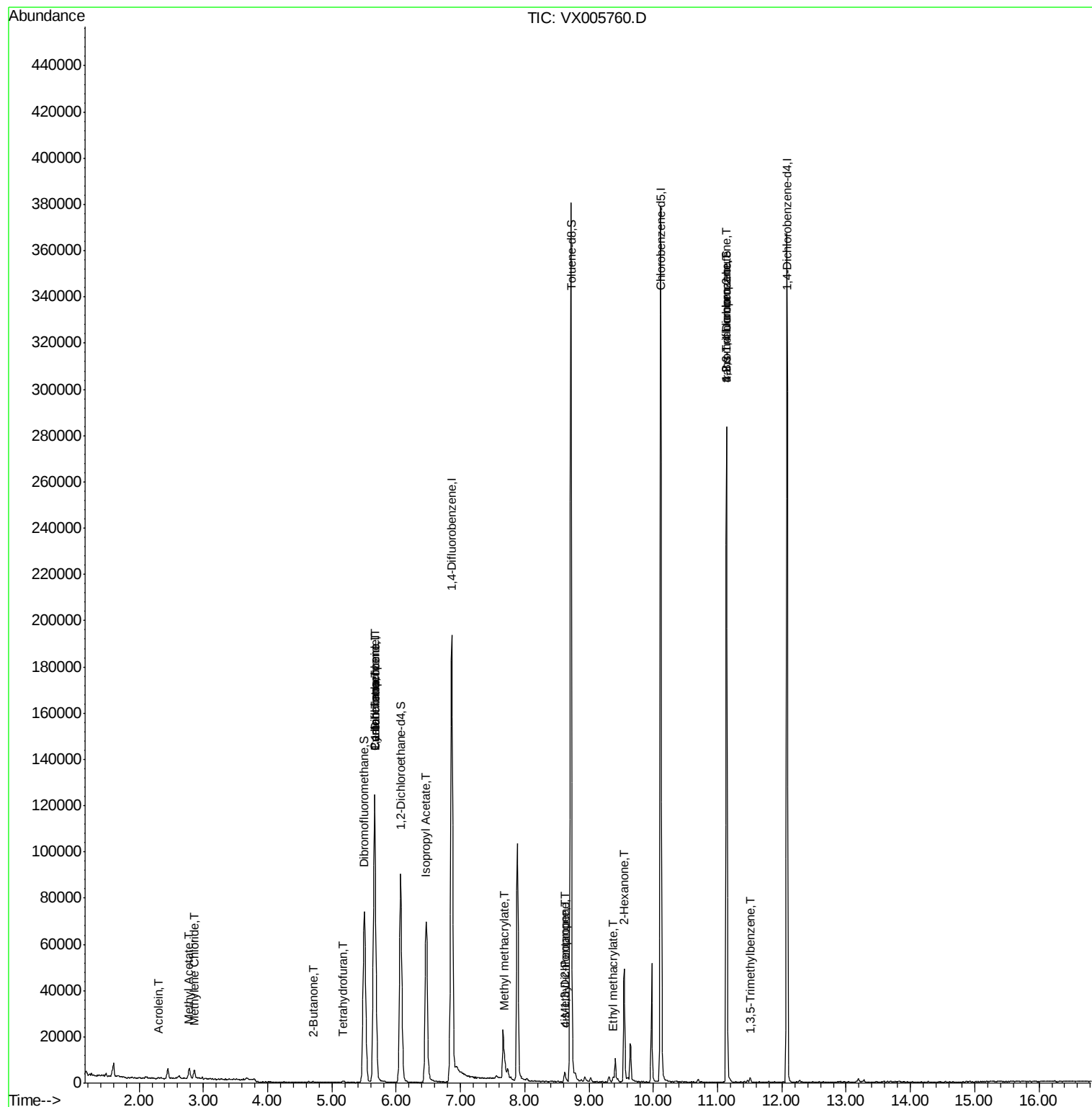
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	23	Below Cal	#	42
13) Acrolein	2.30	56	68	12.388	ug/l #	66
16) Acetone	2.45	43	4590	Below Cal		100
18) Methyl Acetate	2.78	43	5912	2.539	ug/l	97
20) Methylene Chloride	2.86	84	1525	1.090	ug/l	96
25) 2-Butanone	4.70	43	801	0.585	ug/l #	51
29) Tetrahydrofuran	5.17	42	304	0.364	ug/l #	63
31) Cyclohexane	5.67	56	2758	1.272	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	9794	4.991	ug/l #	48
38) Carbon Tetrachloride	5.67	117	11071	6.245	ug/l #	16
43) Isopropyl Acetate	6.46	43	93330	25.687	ug/l	98
48) Methyl methacrylate	7.69	41	4076	2.318	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	1313	0.530	ug/l #	78
54) cis-1,3-Dichloropropene	8.62	75	626	0.301	ug/l #	76
56) Ethyl methacrylate	9.38	69	44	2.489	ug/l #	1
59) 2-Hexanone	9.55	43	5602	2.779	ug/l #	63
76) 1,2,3-Trichloropropane	11.14	75	37469	21.628	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.51	105	936	0.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	37469	69.880	ug/l #	9

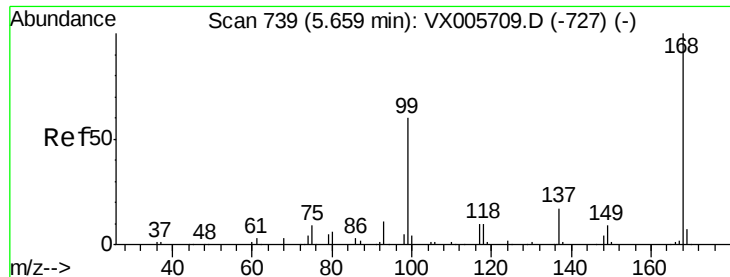
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
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: VX005760.D

Acq: 02 Nov 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

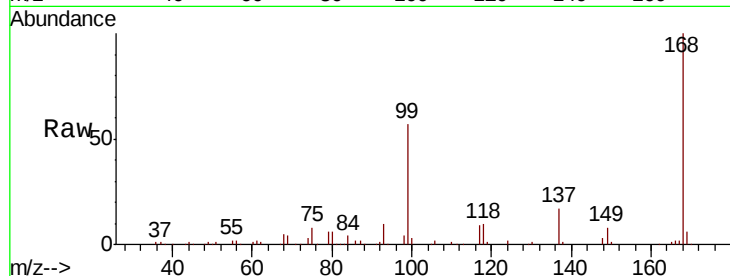
PB114401ZHE#11

Tot Ion:168 Resp: 110983

Ion Ratio Lower Upper

168 100

99 56.6 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

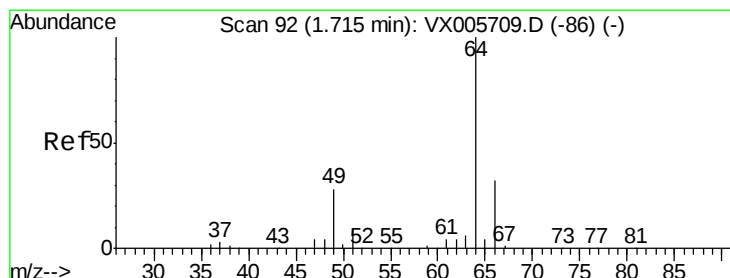
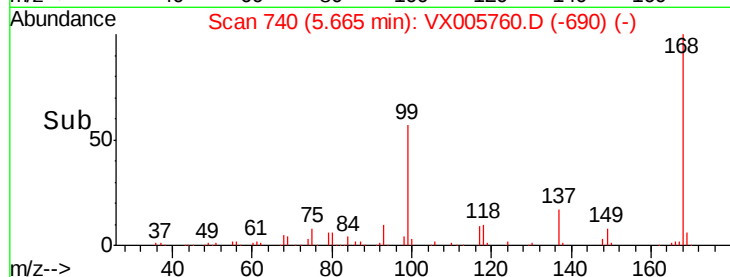
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX005760.D

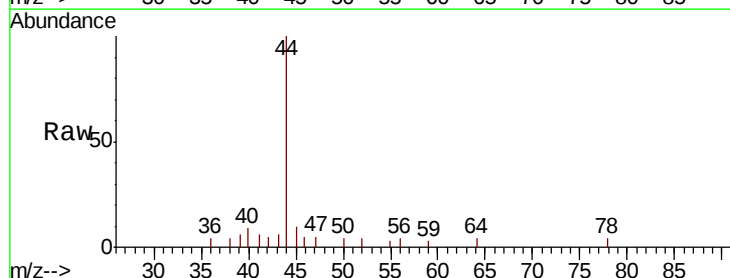
Acq: 02 Nov 2018 16:56

Tgt Ion: 64 Resp: 23

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

1.73

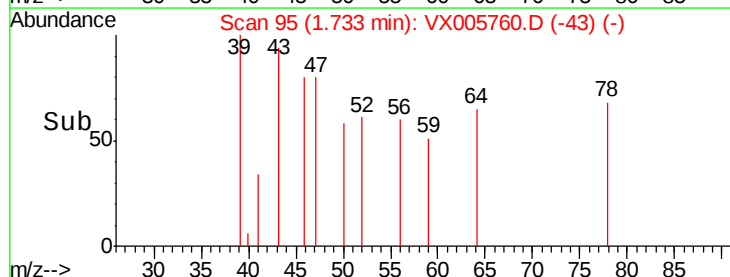
60

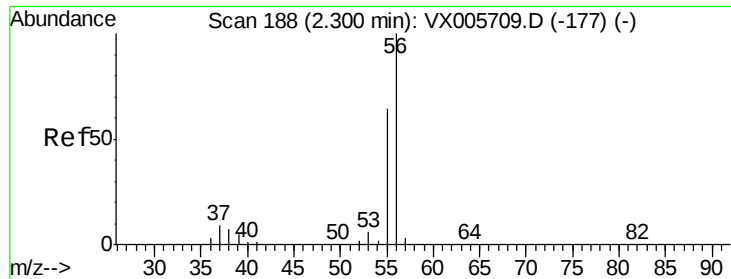
40

20

0

Time--> 1.71 1.72 1.73 1.74 1.75

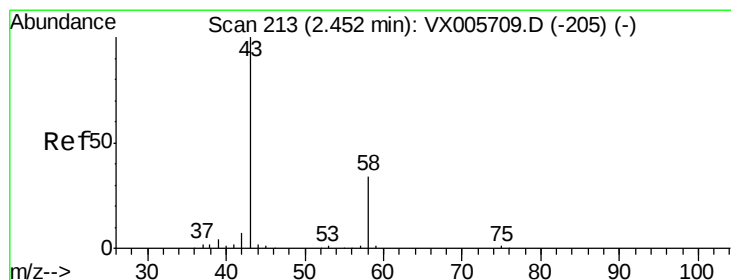
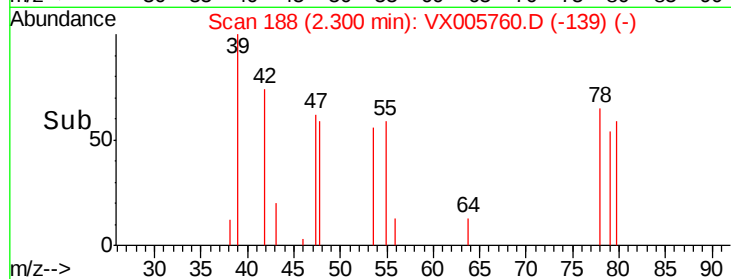
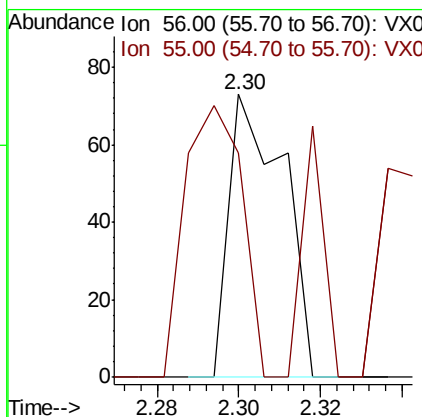
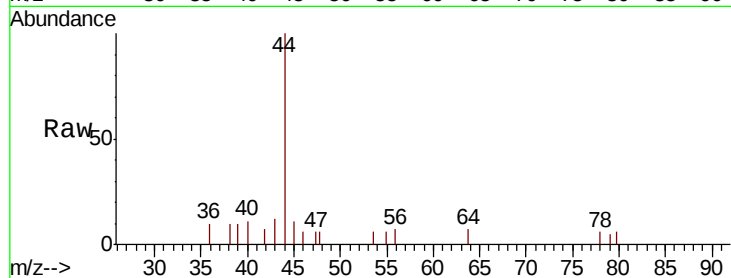




#13
Acrolein
Concen: 12.388 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

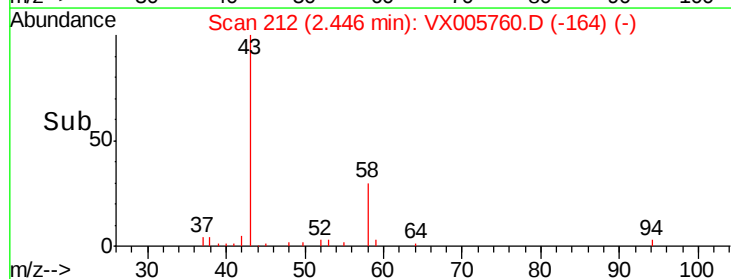
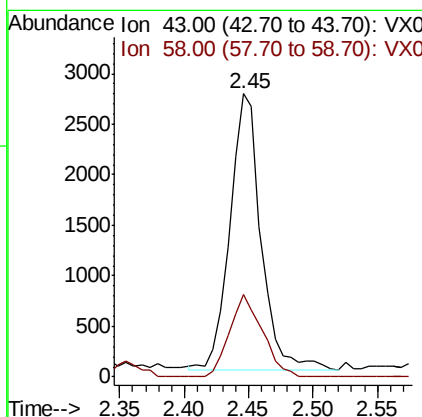
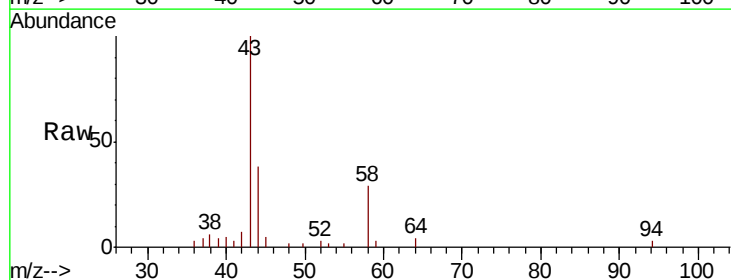
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#11

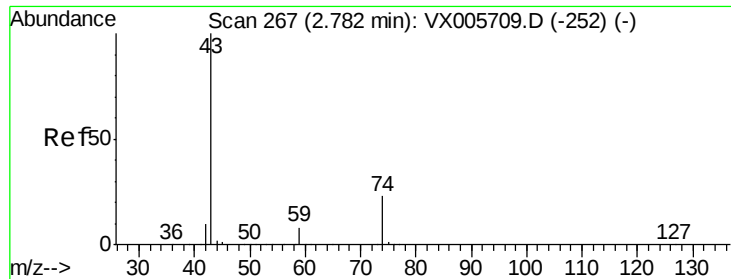
Tot Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 100.0 57.3 85.9#



#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

Tgt Ion: 43 Resp: 4590
Ion Ratio Lower Upper
43 100
58 29.7 23.8 35.6

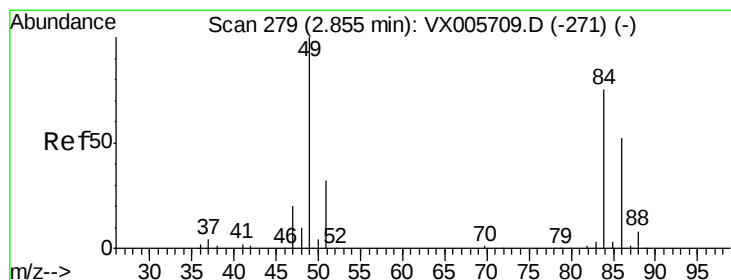
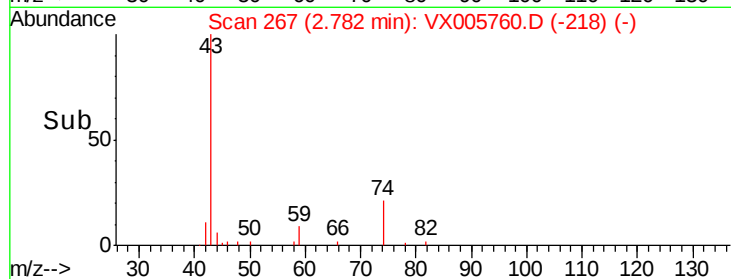
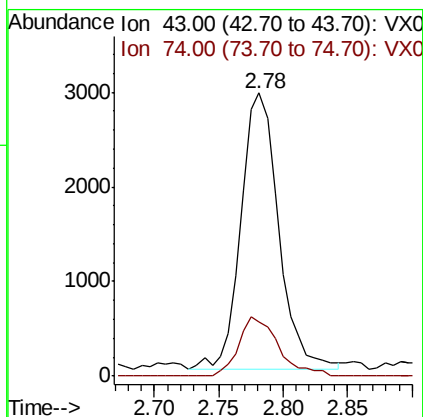
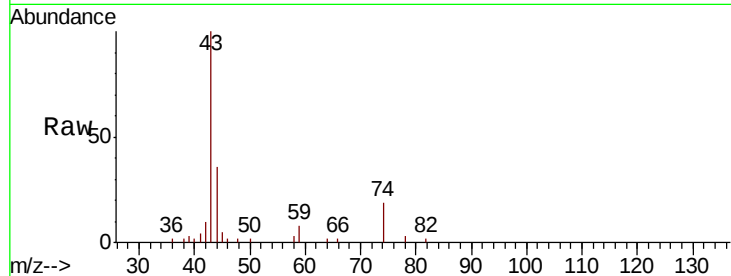




#18
Methyl Acetate
Concen: 2.539 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

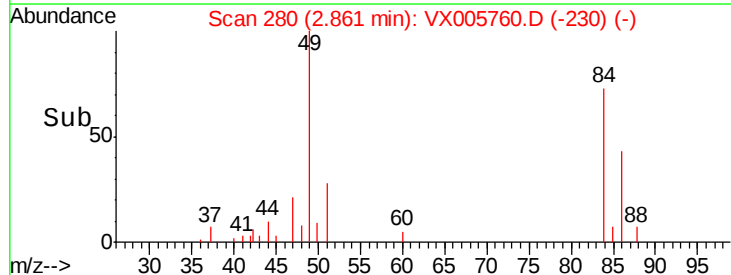
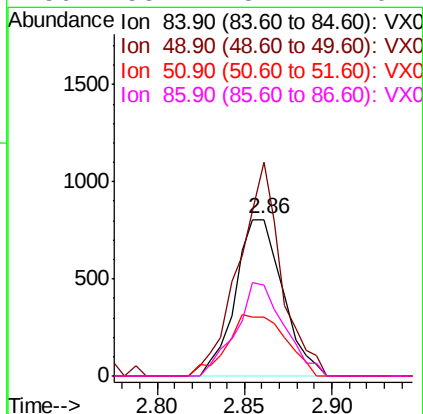
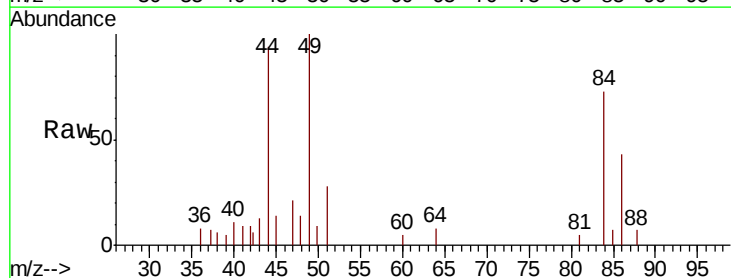
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#11

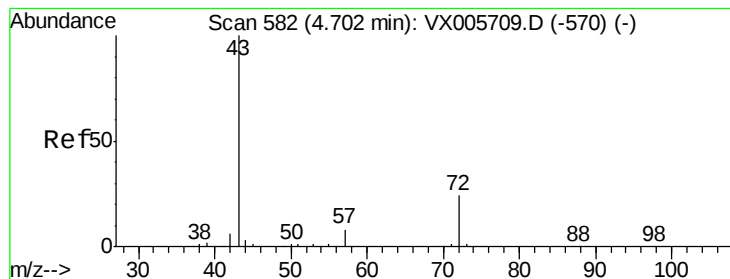
Tot Ion: 43 Resp: 5912
Ion Ratio Lower Upper
43 100
74 22.6 16.8 25.2



#20
Methylene Chloride
Concen: 1.090 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

Tgt Ion: 84 Resp: 1525
Ion Ratio Lower Upper
84 100
49 136.6 109.5 164.3
51 37.8 33.3 49.9
86 58.4 52.7 79.1





#25

2-Butanone

Concen: 0.585 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005760.D

Acq: 02 Nov 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

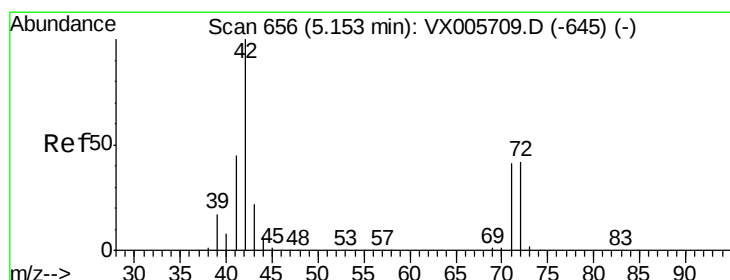
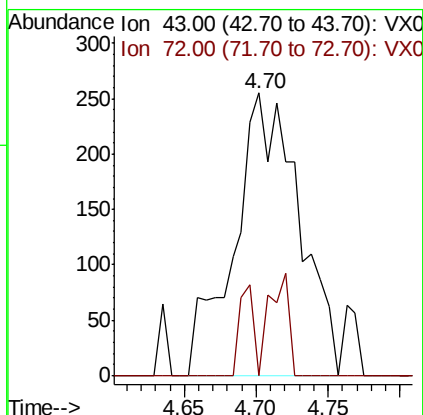
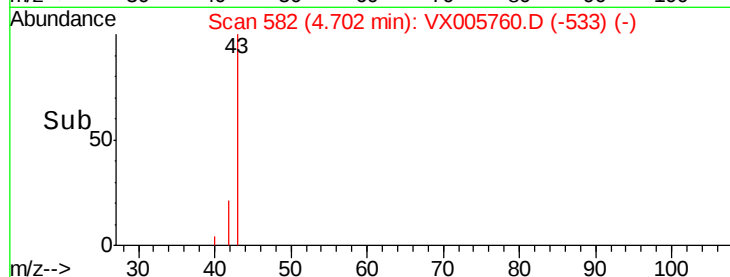
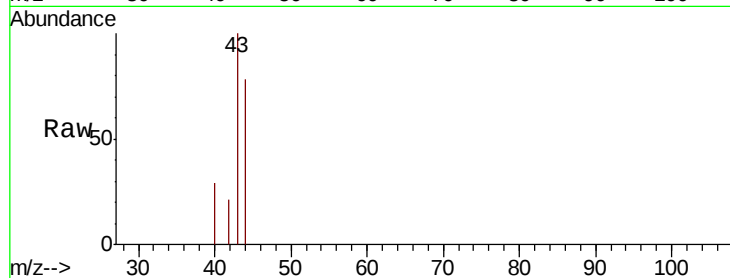
PB114401ZHE#11

Tot Ion: 43 Resp: 801

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#29

Tetrahydrofuran

Concen: 0.364 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005760.D

Acq: 02 Nov 2018 16:56

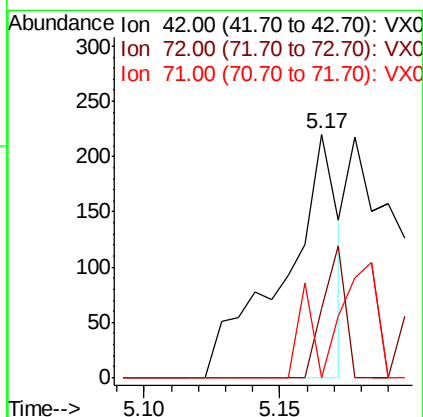
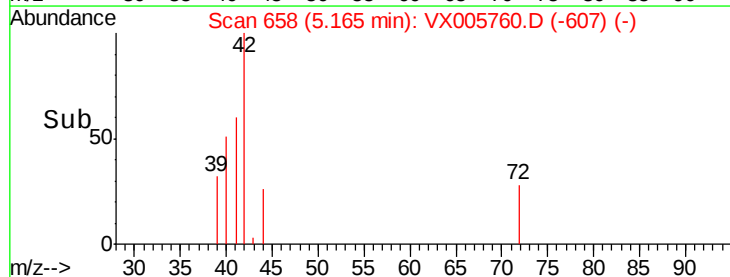
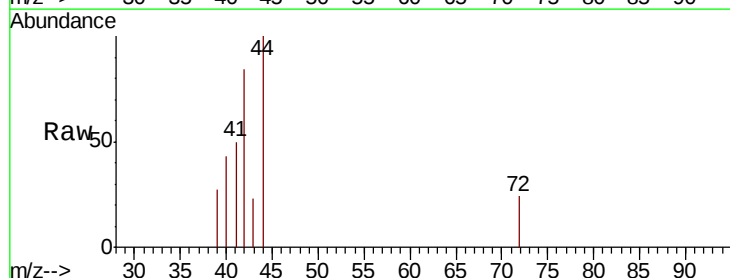
Tgt Ion: 42 Resp: 304

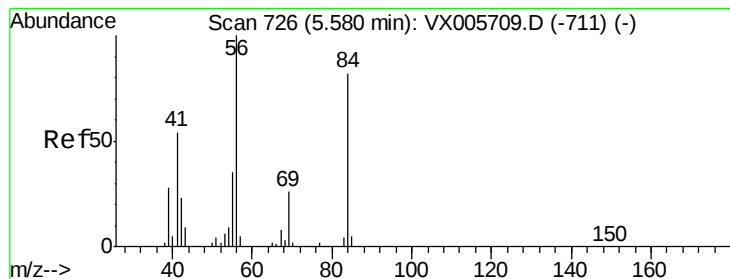
Ion Ratio Lower Upper

42 100

72 21.7 32.0 48.0#

71 10.2 29.8 44.8#





#31

Cyclohexane

Concen: 1.272 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005760.D

Acq: 02 Nov 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#11

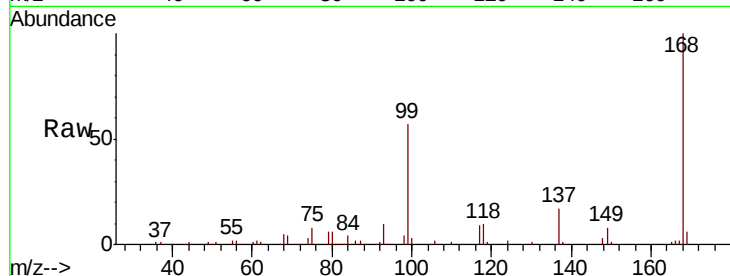
Tot Ion: 56 Resp: 2758

Ion Ratio Lower Upper

56 100

69 147.6 22.6 34.0#

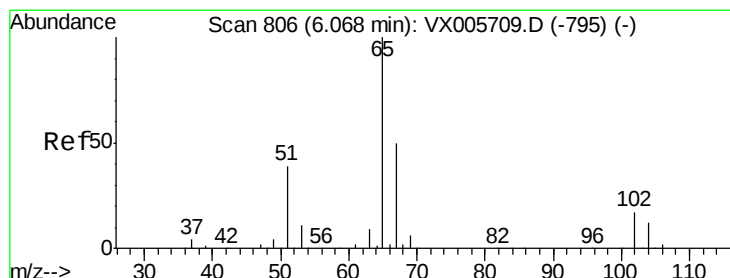
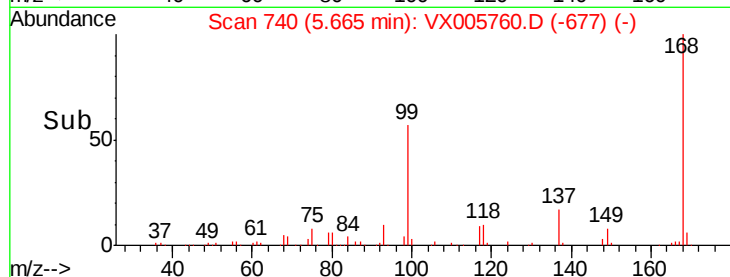
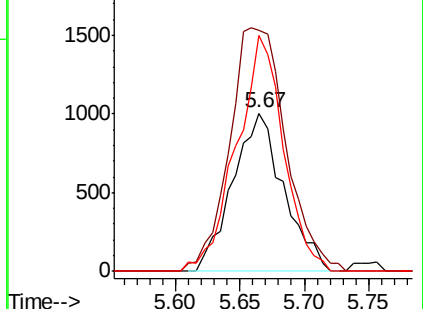
84 149.3 62.7 94.1#



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: 51.187 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005760.D

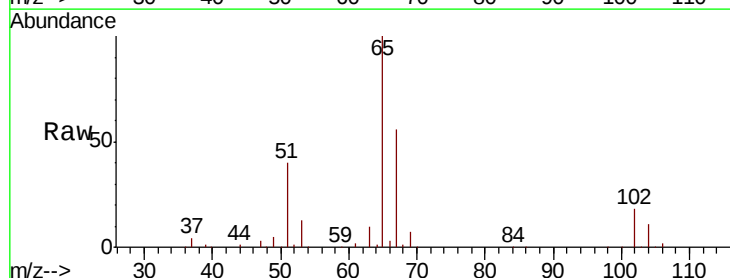
Acq: 02 Nov 2018 16:56

Tgt Ion: 65 Resp: 83055

Ion Ratio Lower Upper

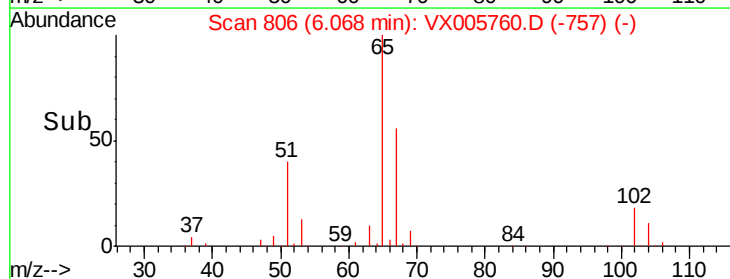
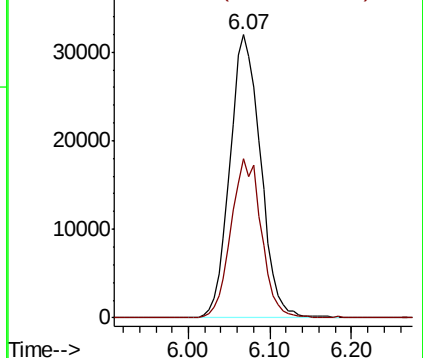
65 100

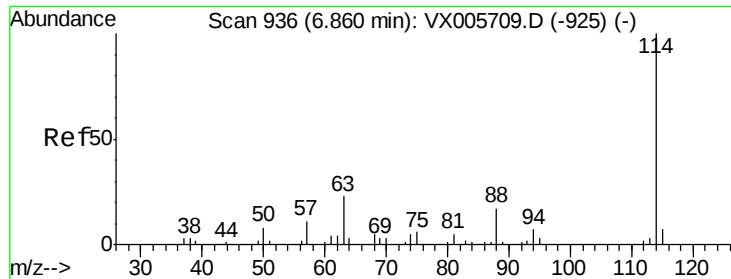
67 55.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

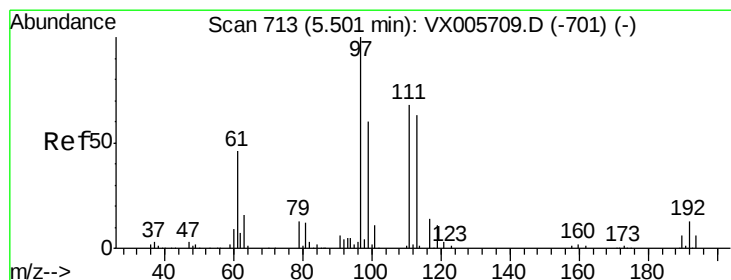
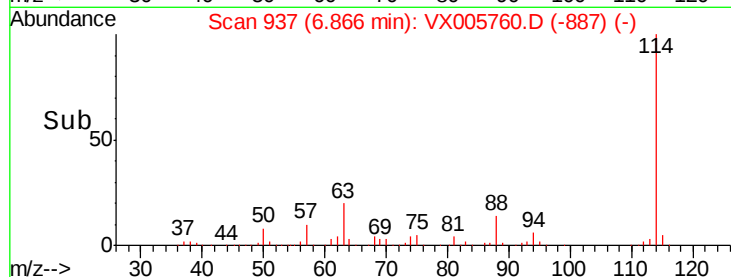
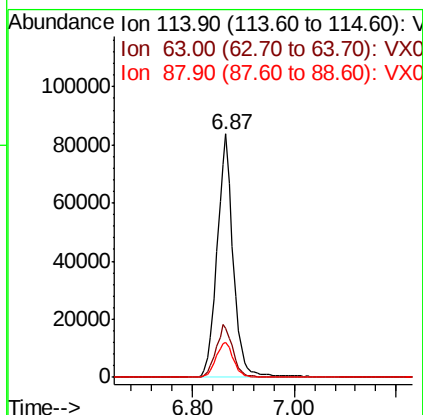
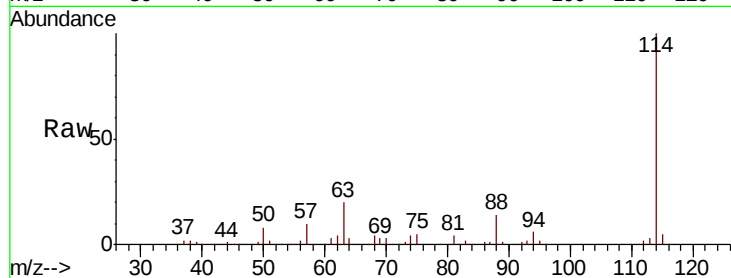




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005760.D
 Acq: 02 Nov 2018 16:56

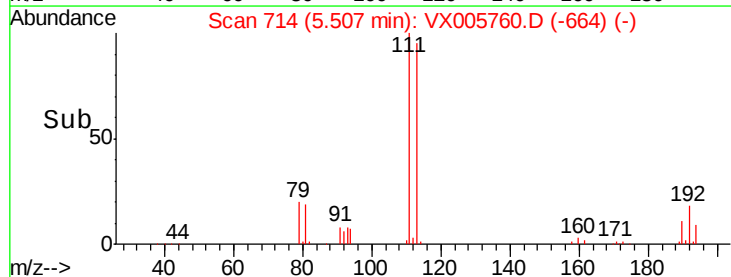
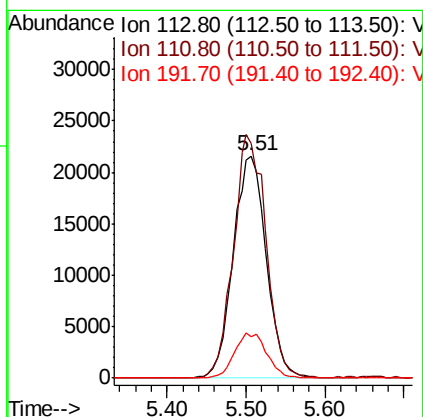
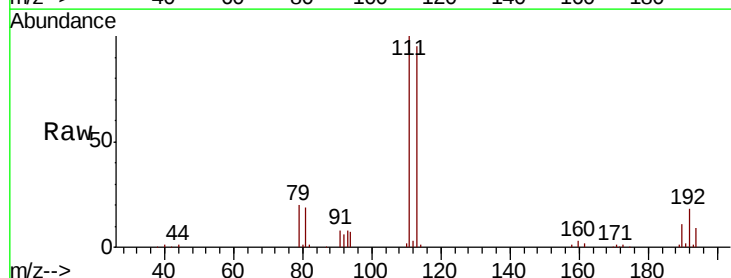
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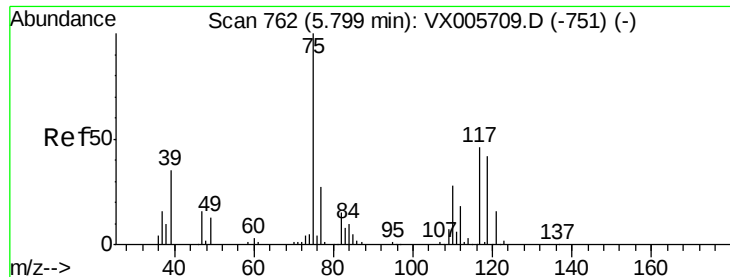
Tot Ion:114 Resp: 184171
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.8
 88 14.4 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 49.388 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005760.D
 Acq: 02 Nov 2018 16:56

Tgt Ion:113 Resp: 62981
 Ion Ratio Lower Upper
 113 100
 111 107.6 82.3 123.5
 192 19.8 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005760.D

Acq: 02 Nov 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#11

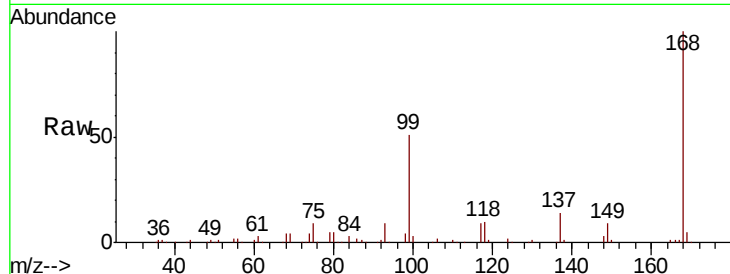
Tot Ion: 75 Resp: 9794

Ion Ratio Lower Upper

75 100

110 7.6 17.4 52.2#

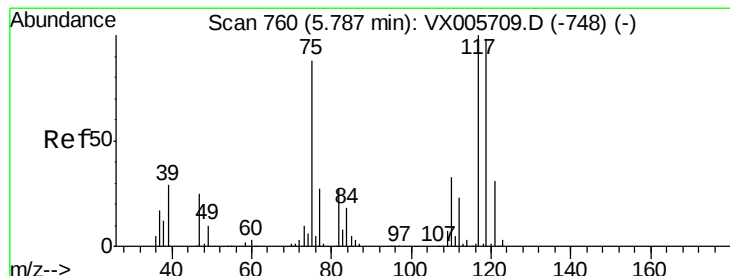
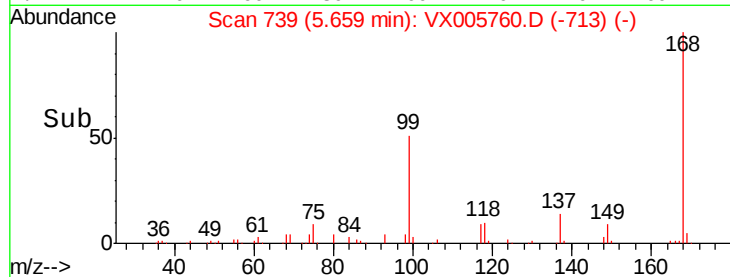
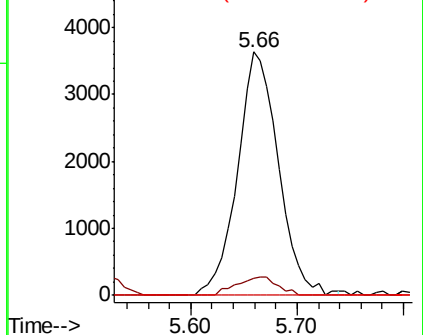
77 0.0 25.8 38.6#



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: 6.245 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX005760.D

Acq: 02 Nov 2018 16:56

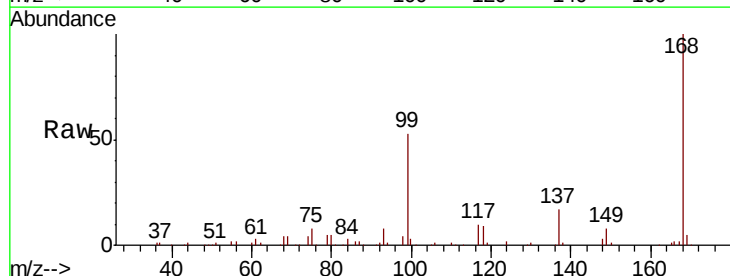
Tgt Ion: 117 Resp: 11071

Ion Ratio Lower Upper

117 100

119 6.5 78.1 117.1#

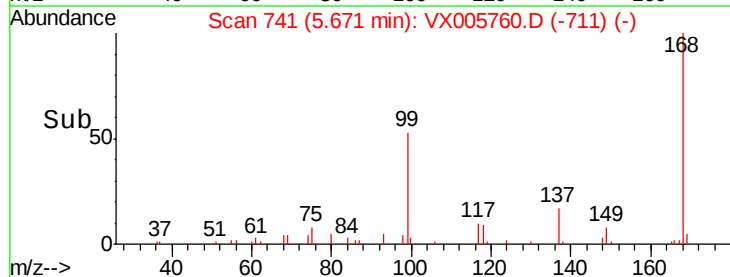
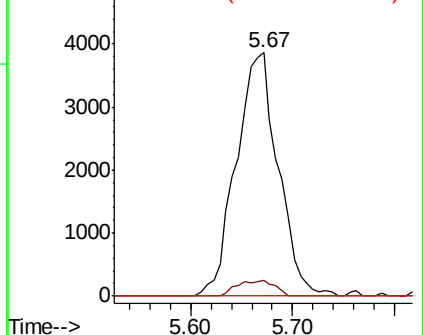
121 0.0 24.6 36.8#

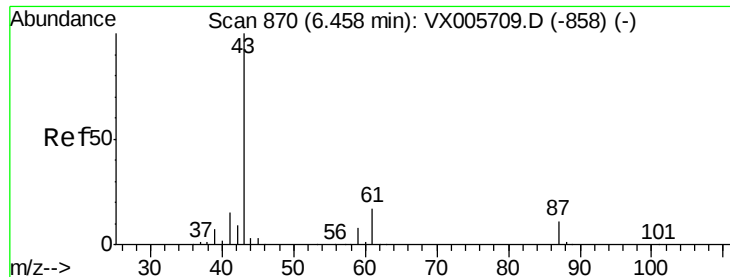


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



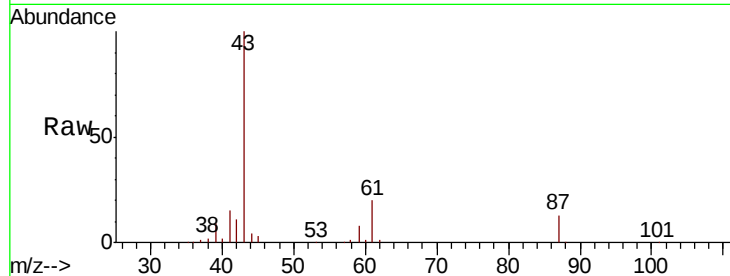


#43

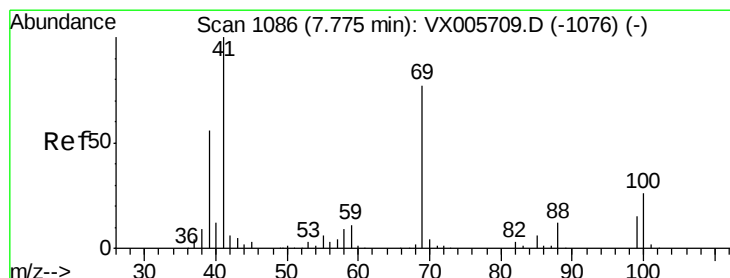
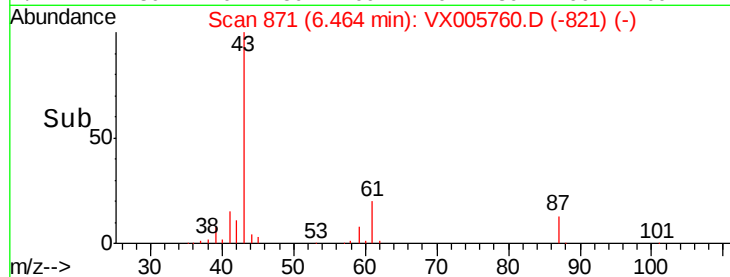
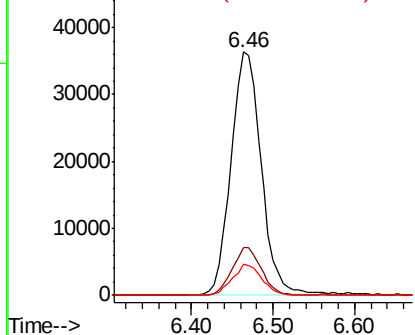
Isopropyl Acetate
 Concen: 25.687 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005760.D
 Acq: 02 Nov 2018 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#11

Tot Ion	43	Resp	93330
Ion Ratio	Lower	Upper	
43	100		
61	19.2	14.6	22.0
87	12.3	9.6	14.4



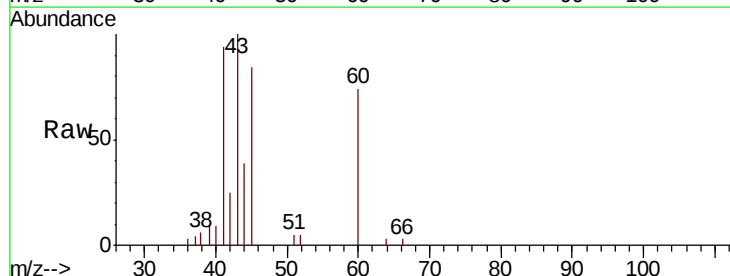
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



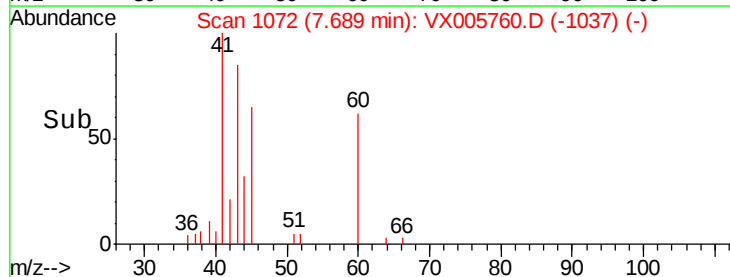
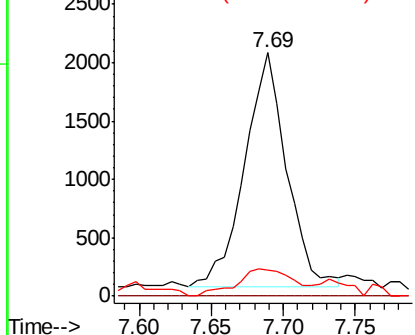
#48

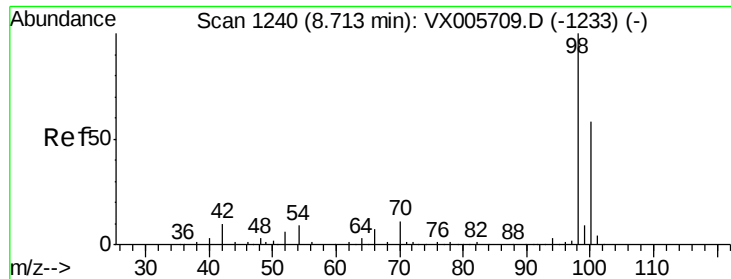
Methyl methacrylate
 Concen: 2.318 ug/l
 RT: 7.69 min Scan# 1072
 Delta R.T. -0.09 min
 Lab File: VX005760.D
 Acq: 02 Nov 2018 16:56

Tgt Ion	41	Resp	4076
Ion Ratio	Lower	Upper	
41	100		
69	0.0	63.2	94.8#
39	14.9	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

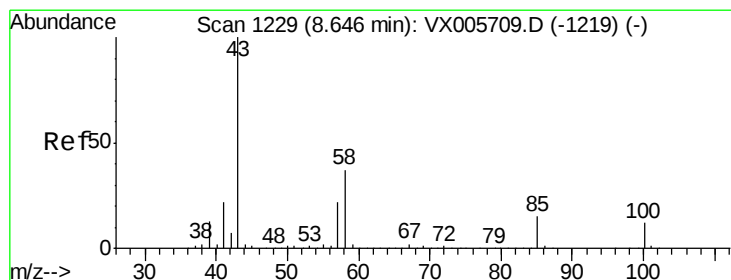
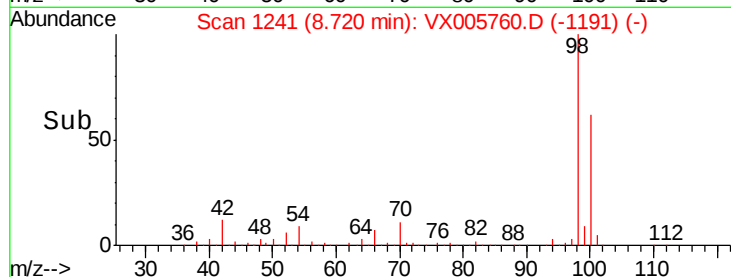
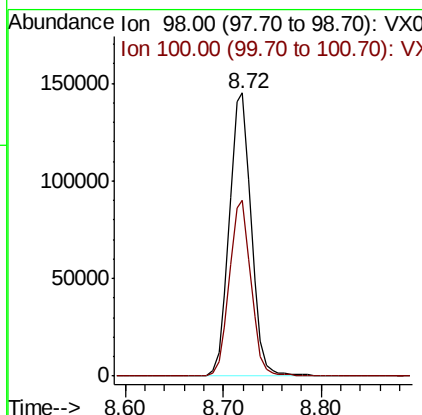
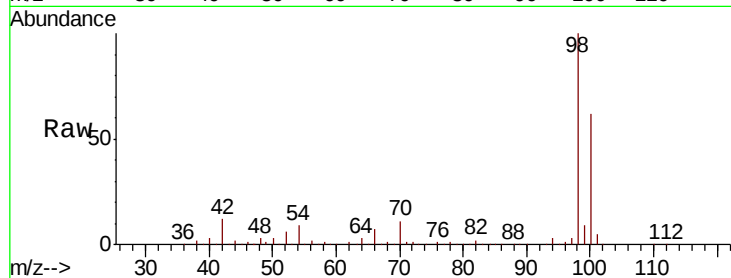




#50
Toluene-d8
Concen: 50.519 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

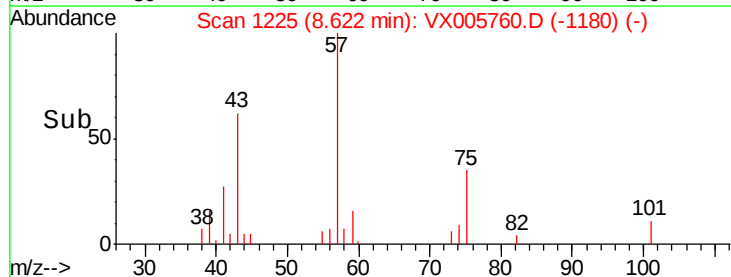
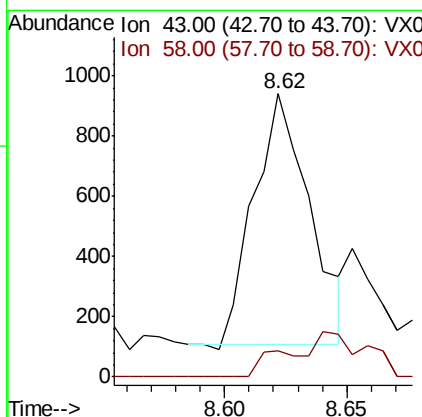
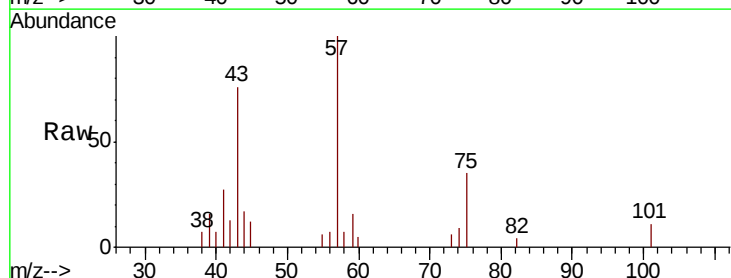
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#11

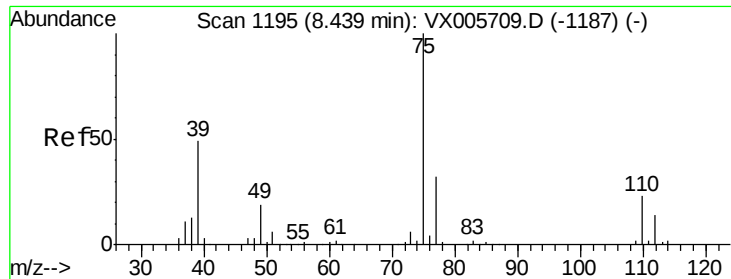
Tot Ion: 98 Resp: 225949
Ion Ratio Lower Upper
98 100
100 61.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.530 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
58 24.1 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: VX005760.D

Acq: 02 Nov 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#11

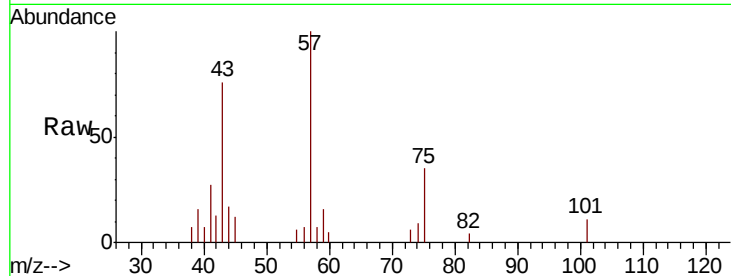
Tot Ion: 75 Resp: 626

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

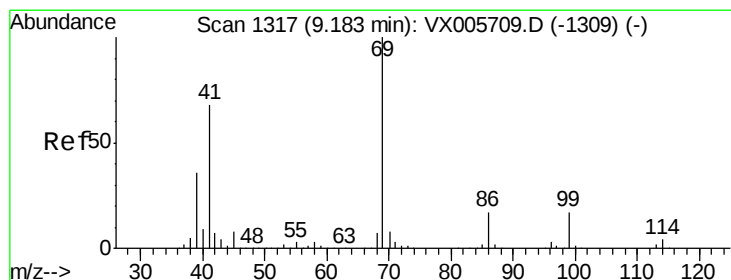
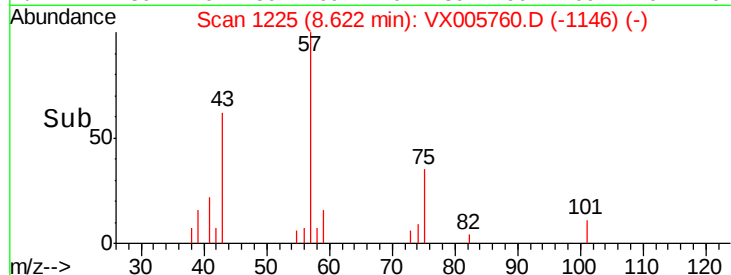
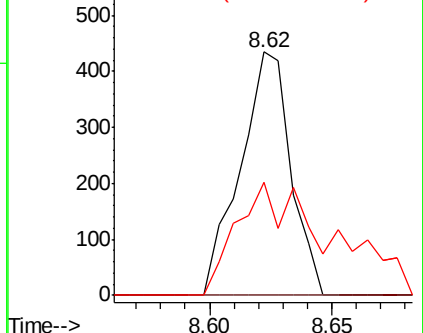
39 46.4 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#56

Ethyl methacrylate

Concen: 2.489 ug/l

RT: 9.38 min Scan# 1349

Delta R.T. 0.20 min

Lab File: VX005760.D

Acq: 02 Nov 2018 16:56

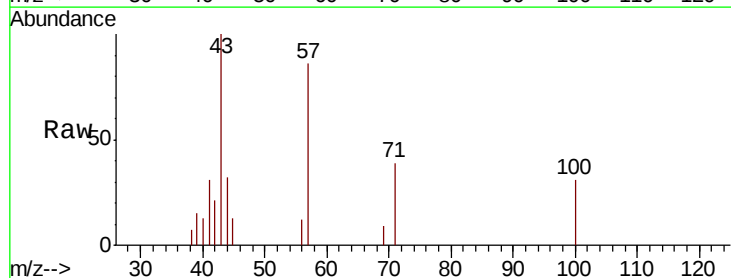
Tgt Ion: 69 Resp: 44

Ion Ratio Lower Upper

69 100

41 0.0 57.0 85.6#

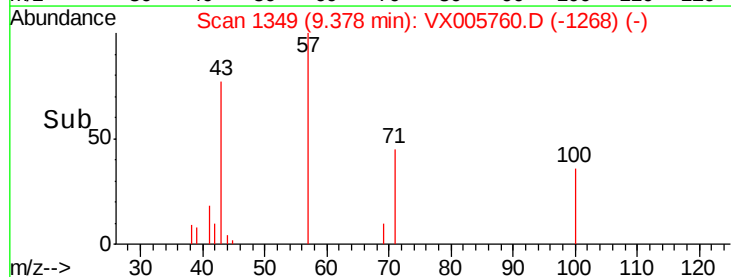
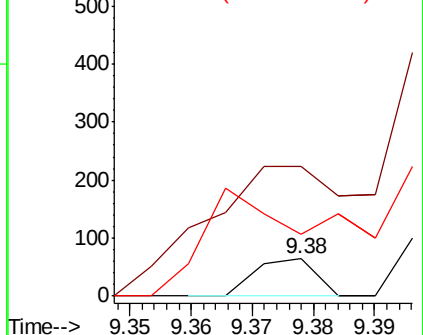
39 404.5 28.3 42.5#

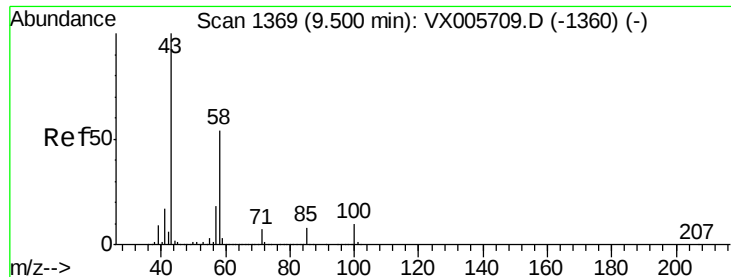


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

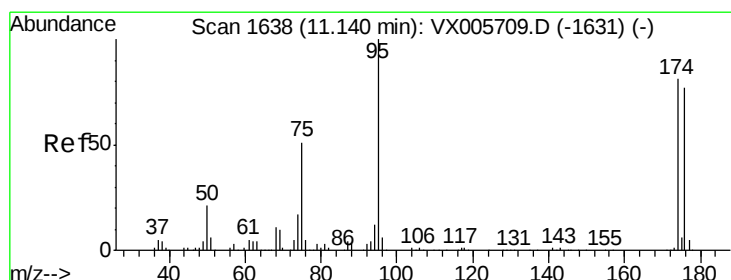
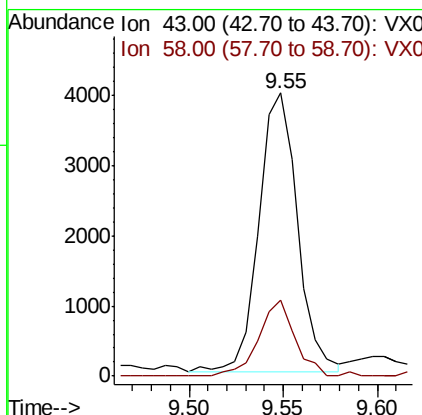
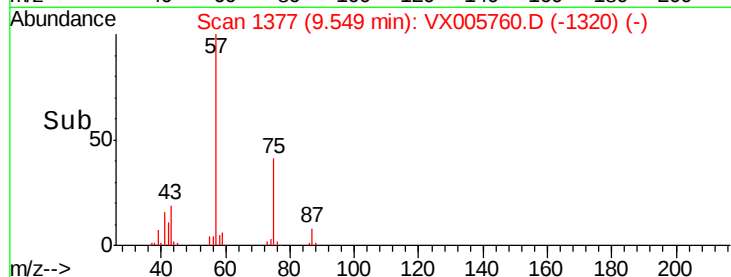
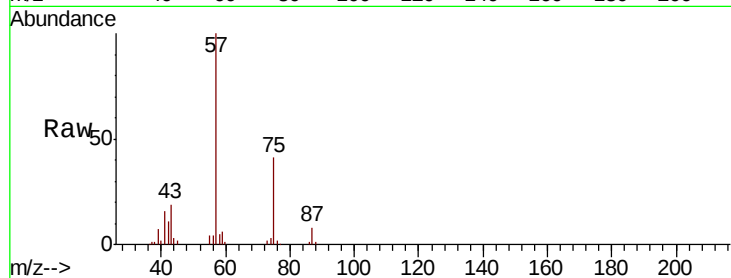




#59
2-Hexanone
Concen: 2.779 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

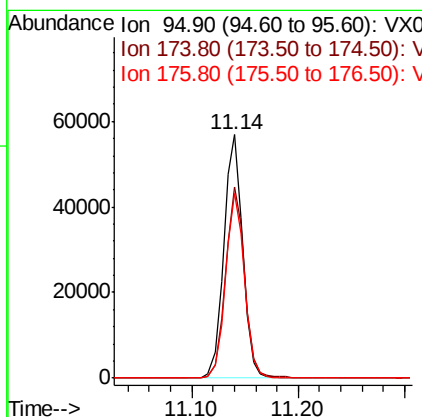
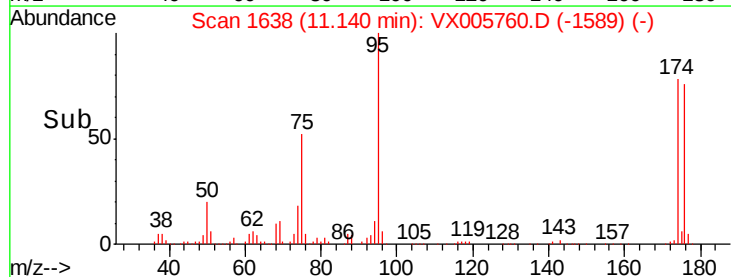
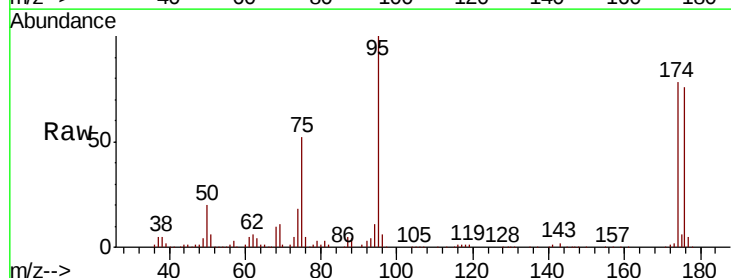
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#11

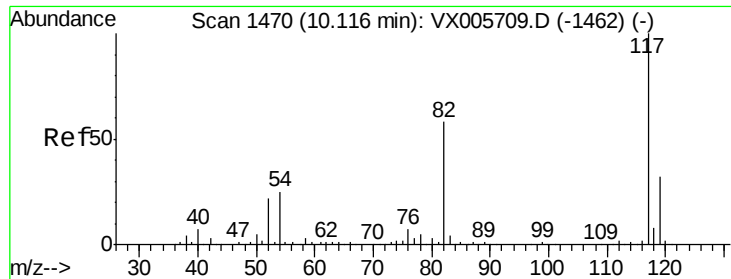
Tot Ion: 43 Resp: 5602
Ion Ratio Lower Upper
43 100
58 25.8 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 42.690 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

Tgt Ion: 95 Resp: 70469
Ion Ratio Lower Upper
95 100
174 79.5 0.0 184.4
176 75.9 0.0 177.4

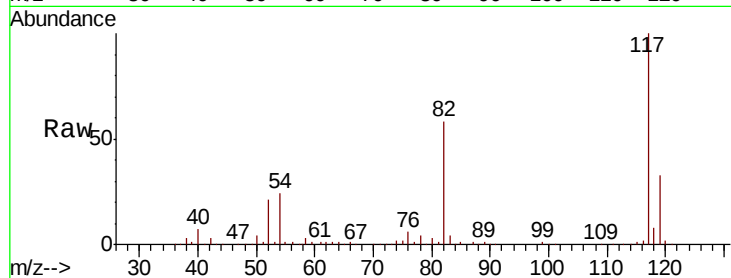




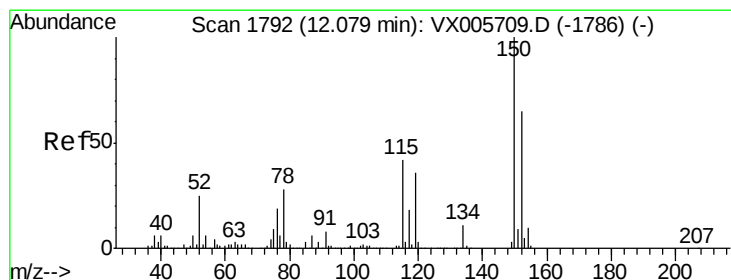
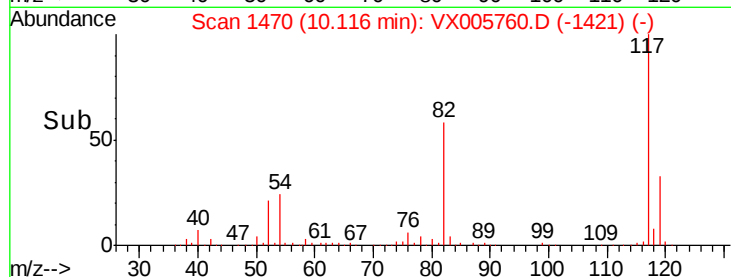
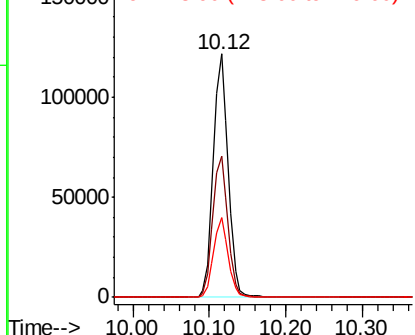
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#11

Tot Ion:117 Resp: 164489
Ion Ratio Lower Upper
117 100
82 58.1 44.1 66.1
119 32.9 26.2 39.2

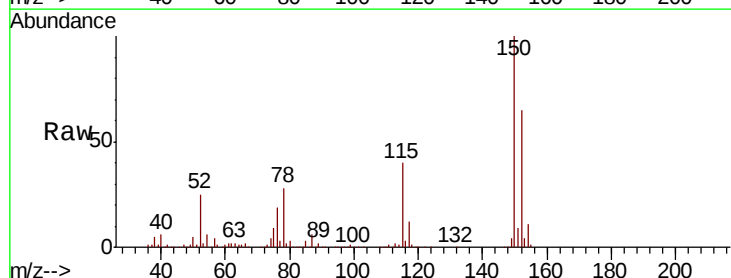


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

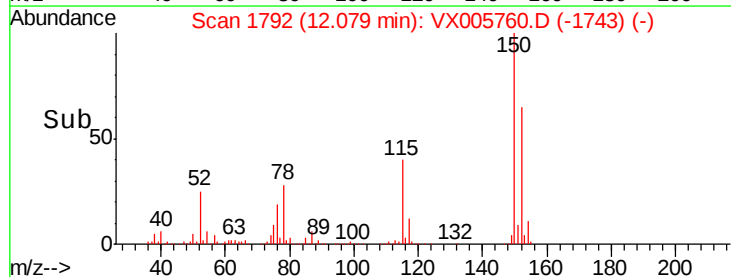
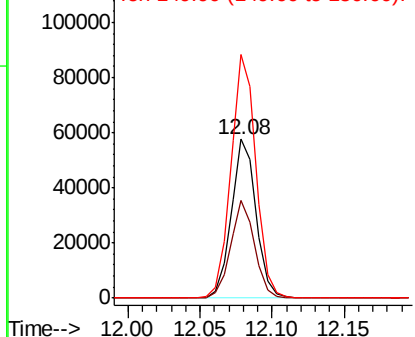


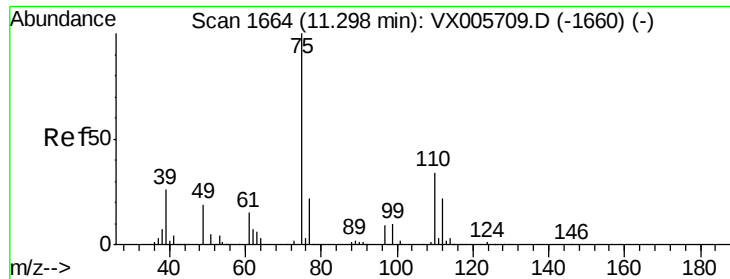
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005760.D
Acq: 02 Nov 2018 16:56

Tgt Ion:152 Resp: 69557
Ion Ratio Lower Upper
152 100
115 59.4 39.4 118.1
150 154.5 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

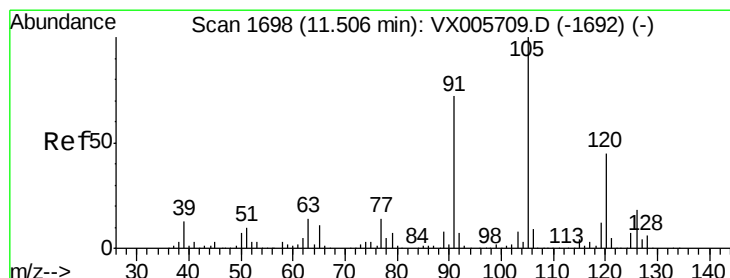
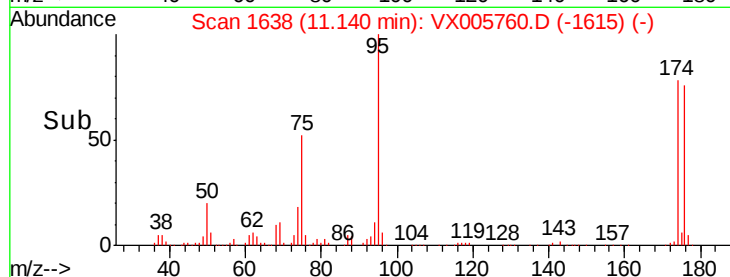
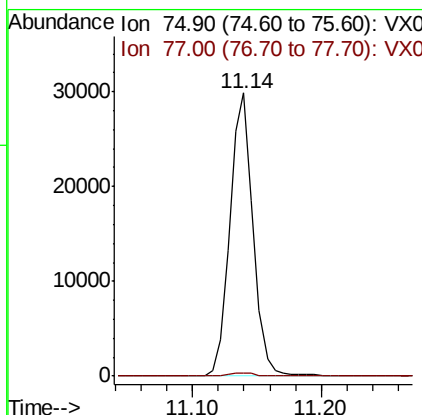
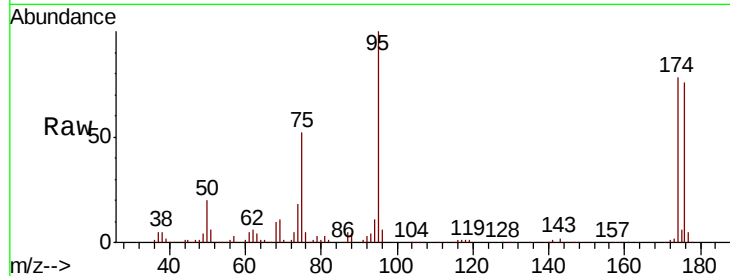




#76
 1,2,3-Trichloropropane
 Concen: 21.628 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005760.D
 Acq: 02 Nov 2018 16:56

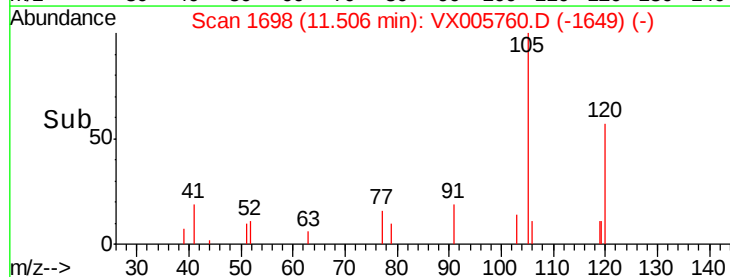
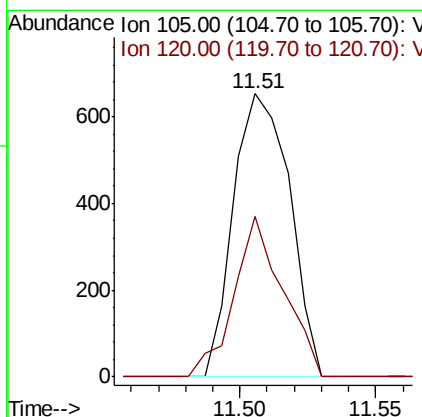
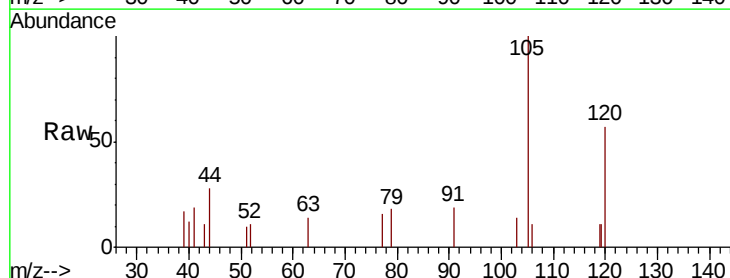
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#11

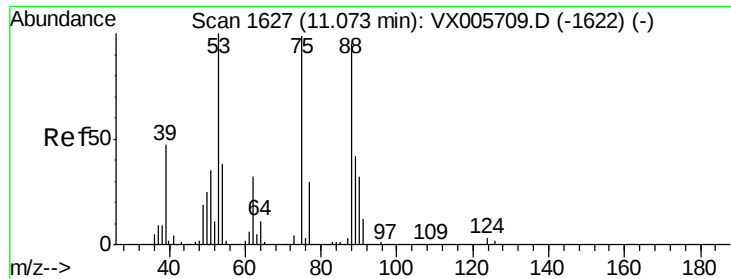
Tot Ion: 75 Resp: 37469
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.240 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005760.D
 Acq: 02 Nov 2018 16:56

Tgt Ion: 105 Resp: 936
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 69.880 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005760.D

Acq: 02 Nov 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#11

Tot Ion: 75 Resp: 37469

Ion Ratio Lower Upper

75 100

53 0.5 80.2 120.2#

89 0.0 39.8 59.8#

