

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
 Data File : VX005741.D
 Acq On : 01 Nov 2018 20:32
 Operator : JC/MD
 Sample : PB114370ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#07

Quant Time: Nov 02 04:20:19 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	120669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	197511	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	172813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	73223	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	89120	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
35) Dibromofluoromethane	5.50	113	70270	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	8.71	98	244806	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.14	95	76613	43.28	ug/l	0.00
Spiked Amount			Recovery	=	86.56%	

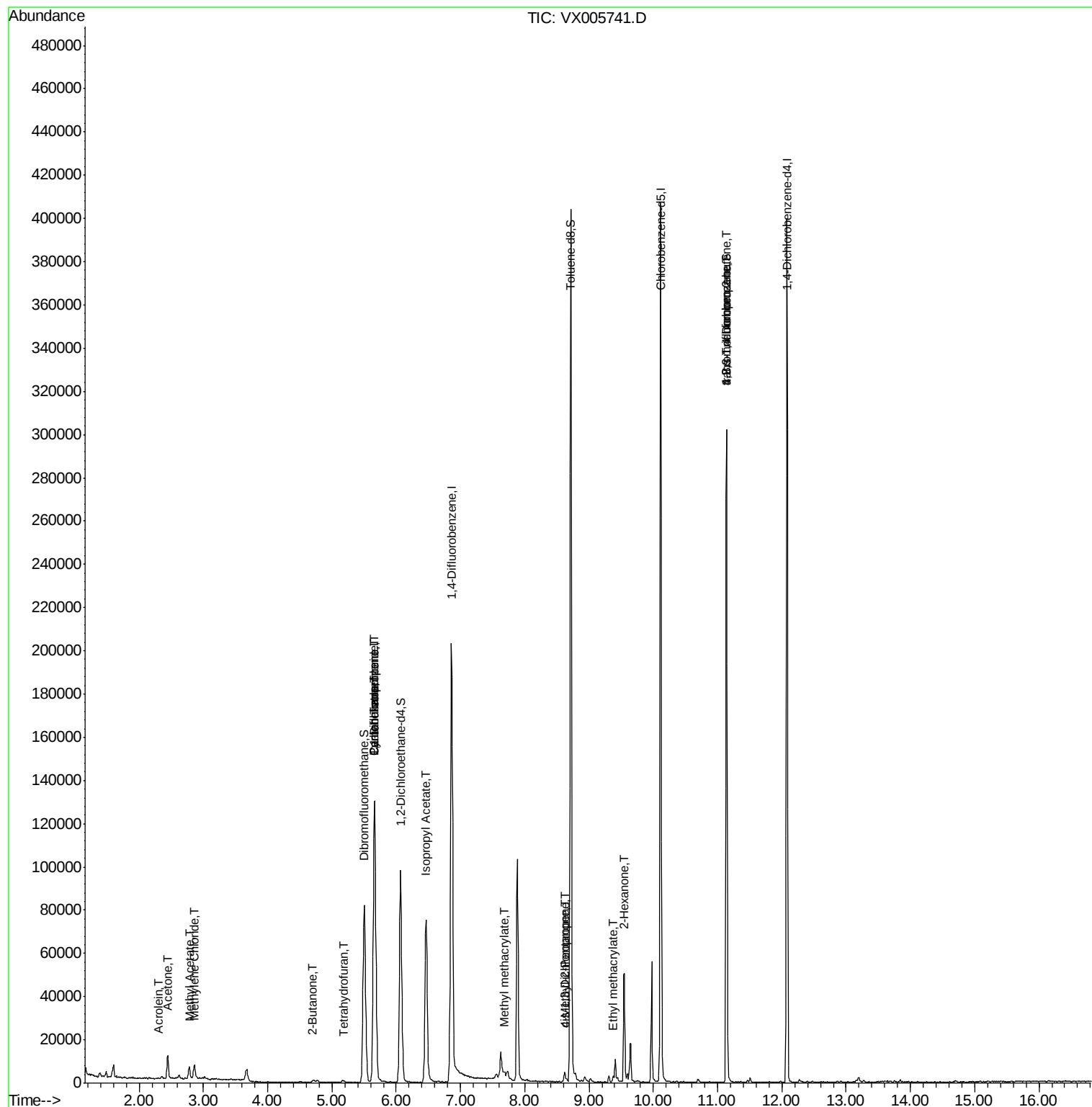
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	24	Below Cal	#	42
13) Acrolein	2.29	56	88	12.427	ug/l #	75
16) Acetone	2.45	43	11496	3.484	ug/l	96
18) Methyl Acetate	2.78	43	6571	2.595	ug/l	95
20) Methylene Chloride	2.86	84	2677	1.760	ug/l	89
25) 2-Butanone	4.71	43	2124	1.427	ug/l	100
29) Tetrahydrofuran	5.18	42	871	0.959	ug/l #	84
31) Cyclohexane	5.67	56	3126	1.326	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	10523	5.001	ug/l #	44
38) Carbon Tetrachloride	5.67	117	12426	6.536	ug/l #	16
43) Isopropyl Acetate	6.46	43	99967	25.655	ug/l	97
48) Methyl methacrylate	7.68	41	3647	1.934	ug/l #	26
51) 4-Methyl-2-Pentanone	8.62	43	1339	0.504	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	735	0.329	ug/l #	66
56) Ethyl methacrylate	9.38	69	69	2.497	ug/l #	1
59) 2-Hexanone	9.54	43	5850	2.706	ug/l #	62
76) 1,2,3-Trichloropropane	11.14	75	40969	22.465	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	40969	72.582	ug/l #	9

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
Data File : VX005741.D
Acq On : 01 Nov 2018 20:32
Operator : JC/MD
Sample : PB114370ZHE#07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#07

Quant Time: Nov 02 04:20:19 2018
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: VX005741.D

Acq: 01 Nov 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

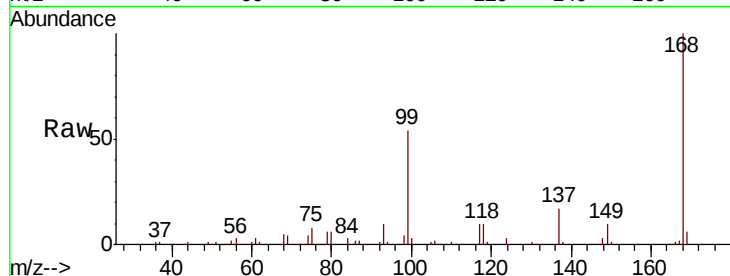
PB114370ZHE#07

Tgt Ion:168 Resp: 120669

Ion Ratio Lower Upper

168 100

99 54.1 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

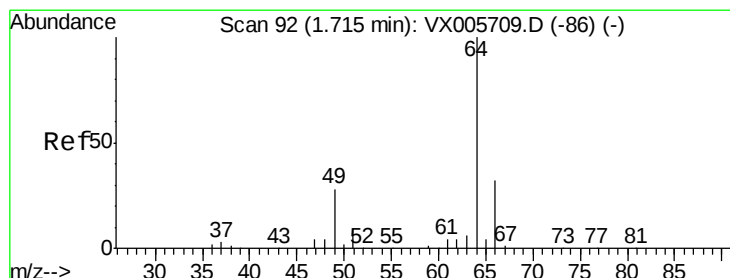
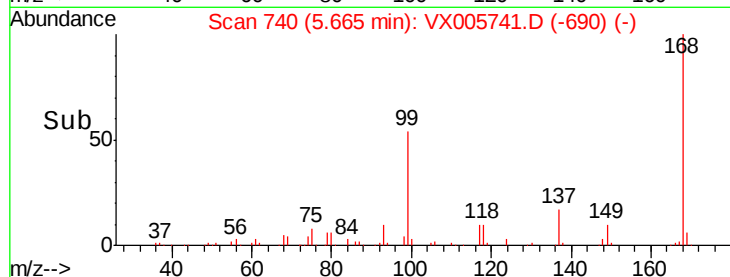
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005741.D

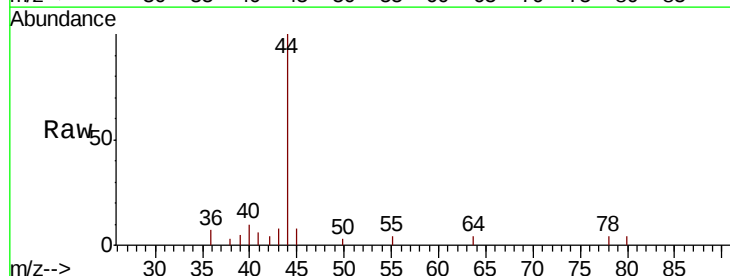
Acq: 01 Nov 2018 20:32

Tgt Ion: 64 Resp: 24

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

80

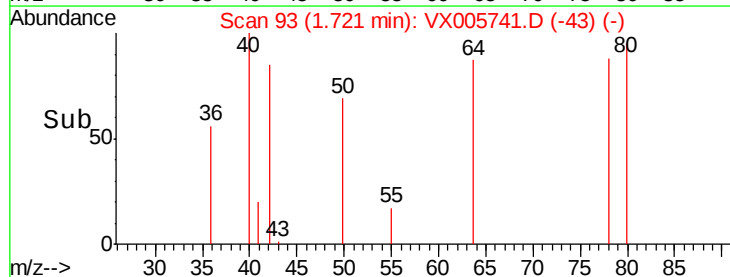
60

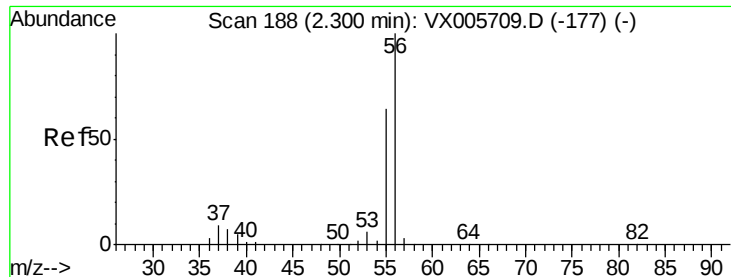
40

20

0

Time--> 1.71 1.72 1.73 1.73





#13

Acrolein

Concen: 12.427 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

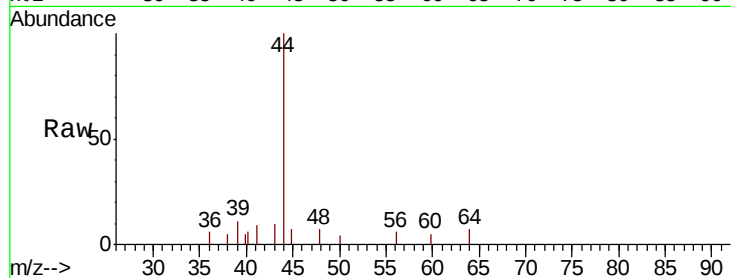
PB114370ZHE#07

Tgt Ion: 56 Resp: 88

Ion Ratio Lower Upper

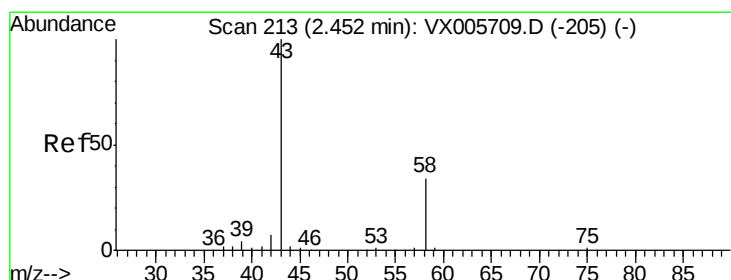
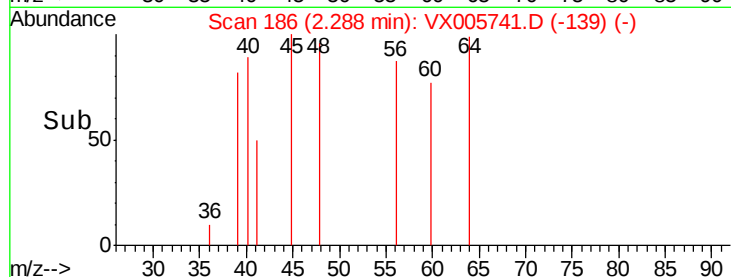
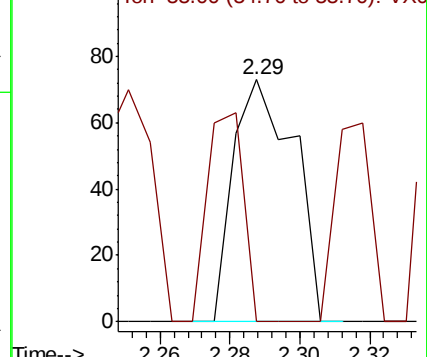
56 100

55 51.1 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: 3.484 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005741.D

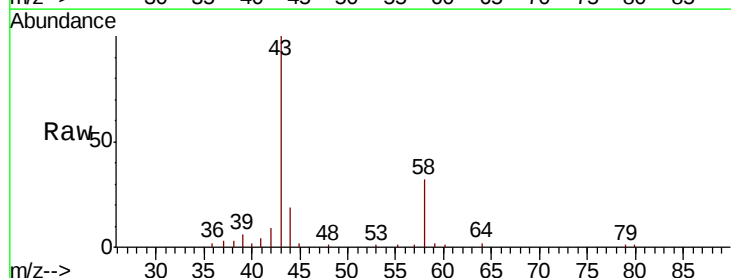
Acq: 01 Nov 2018 20:32

Tgt Ion: 43 Resp: 11496

Ion Ratio Lower Upper

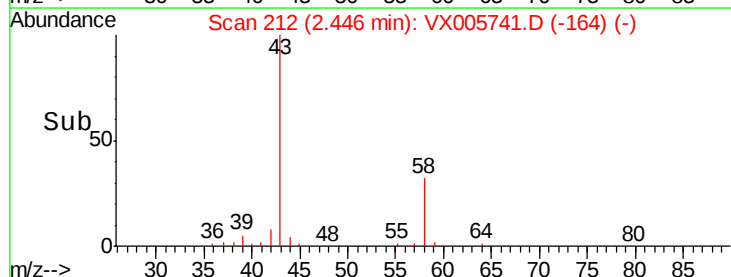
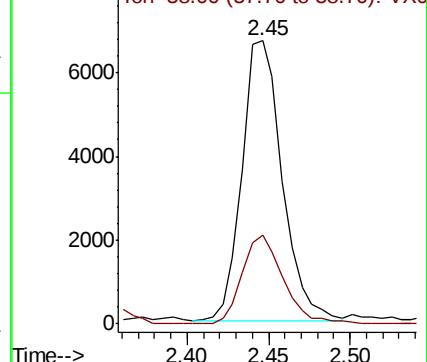
43 100

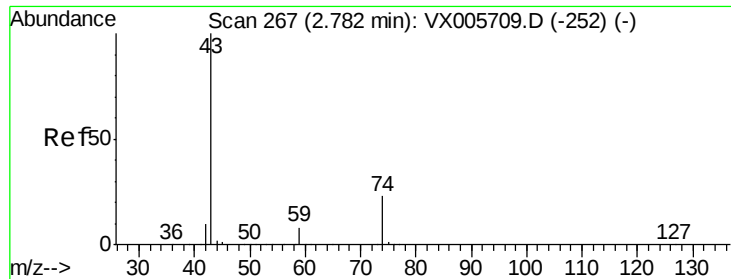
58 32.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

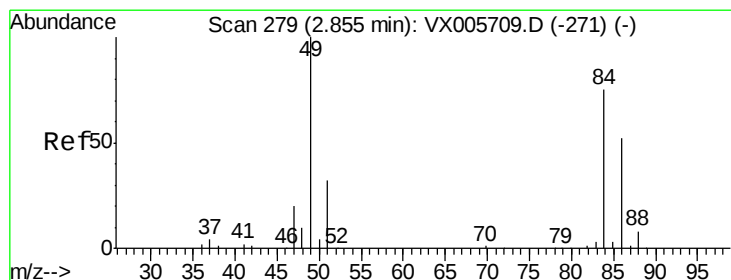
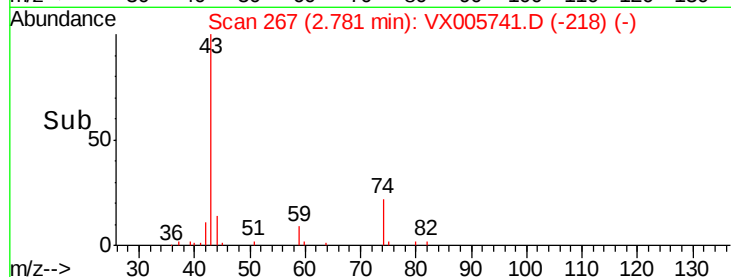
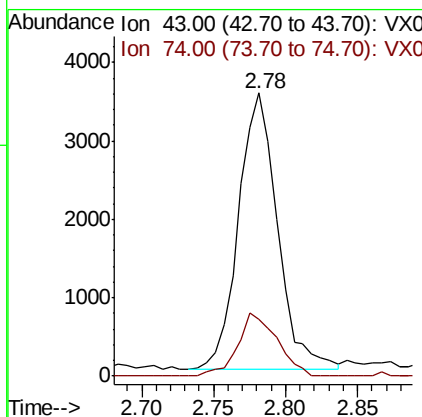
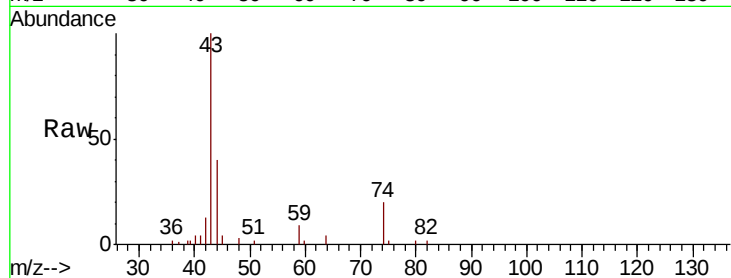




#18
Methyl Acetate
Concen: 2.595 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005741.D
Acq: 01 Nov 2018 20:32

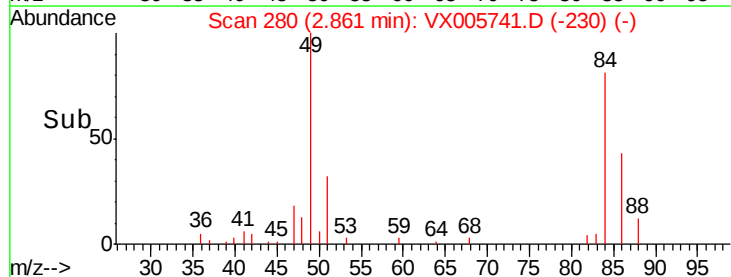
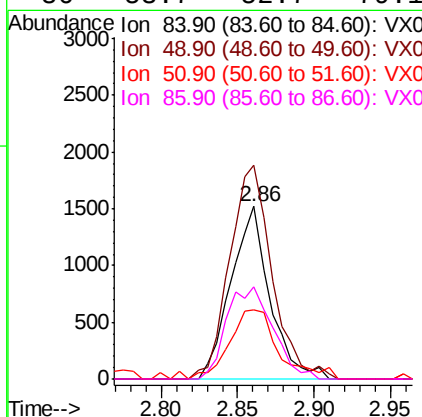
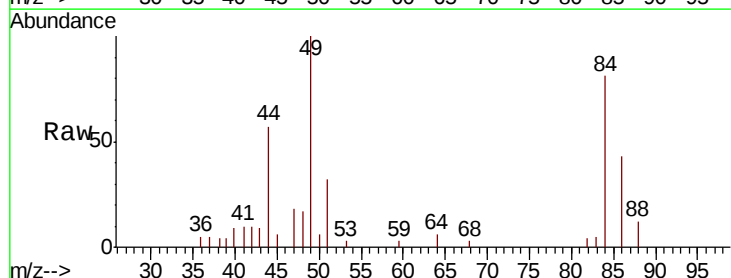
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#07

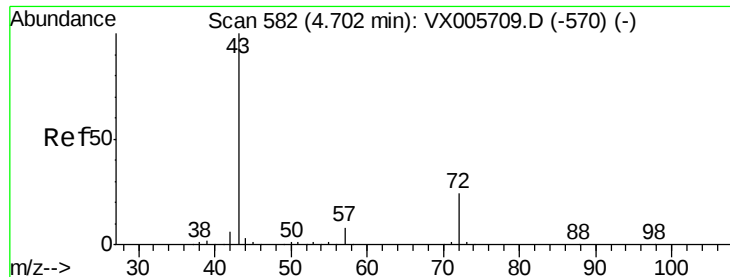
Tgt Ion: 43 Resp: 6571
Ion Ratio Lower Upper
43 100
74 23.4 16.8 25.2



#20
Methylene Chloride
Concen: 1.760 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005741.D
Acq: 01 Nov 2018 20:32

Tgt Ion: 84 Resp: 2677
Ion Ratio Lower Upper
84 100
49 123.9 109.5 164.3
51 39.8 33.3 49.9
86 53.7 52.7 79.1





#25

2-Butanone

Concen: 1.427 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

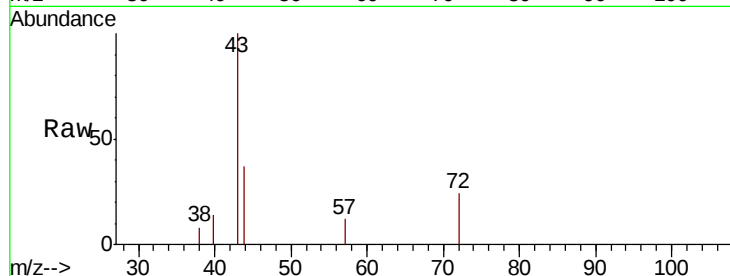
PB114370ZHE#07

Tgt Ion: 43 Resp: 2124

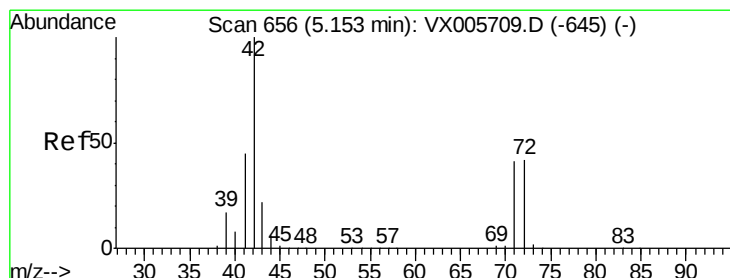
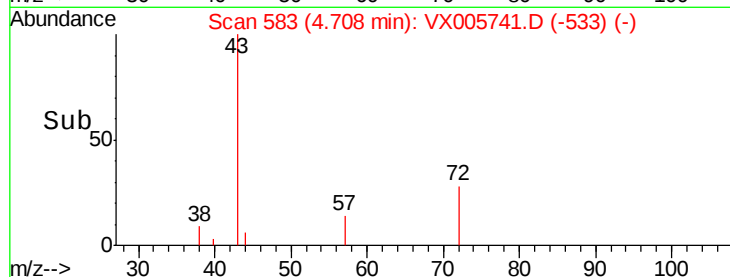
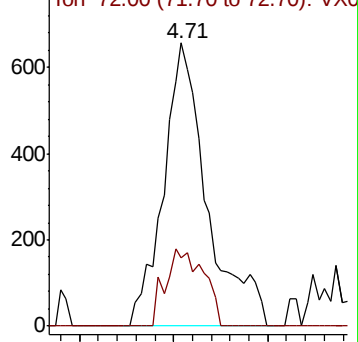
Ion Ratio Lower Upper

43 100

72 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.959 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

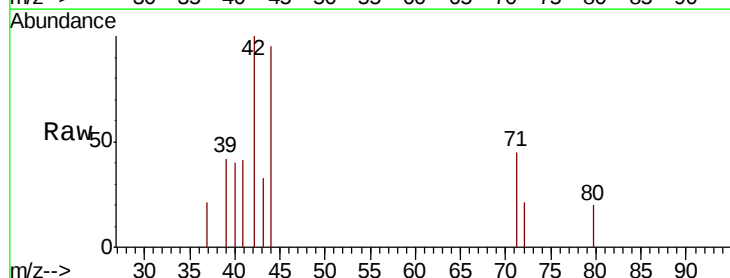
Tgt Ion: 42 Resp: 871

Ion Ratio Lower Upper

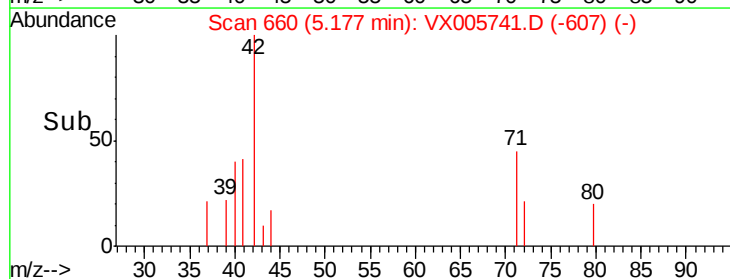
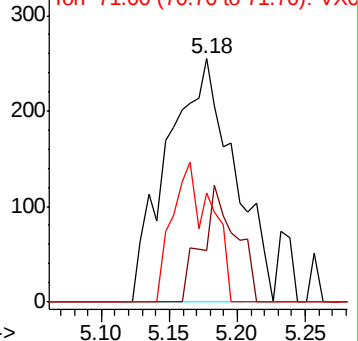
42 100

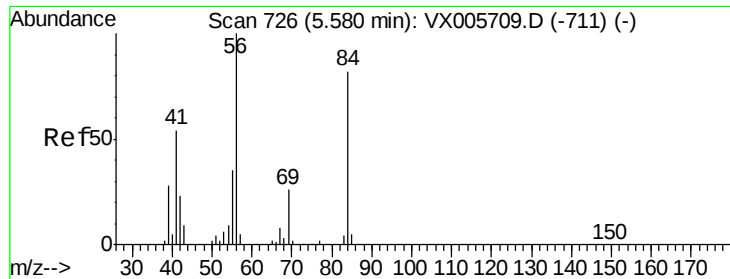
72 24.5 32.0 48.0#

71 33.6 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

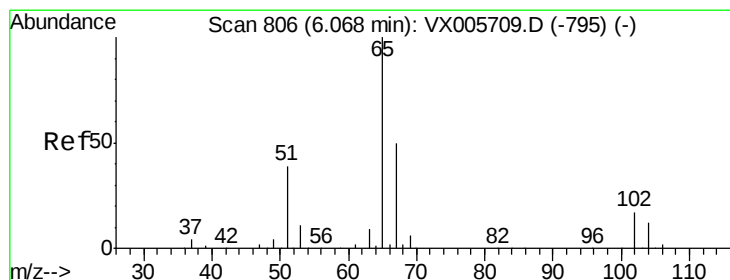
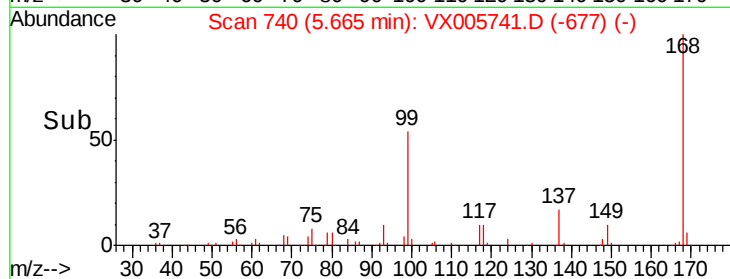
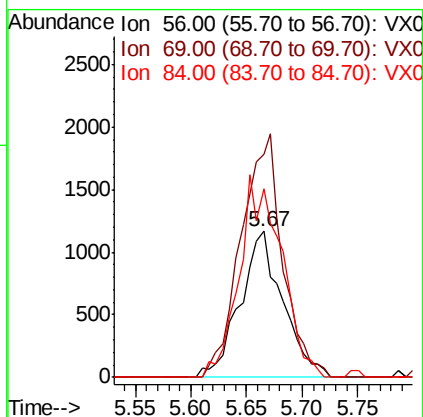
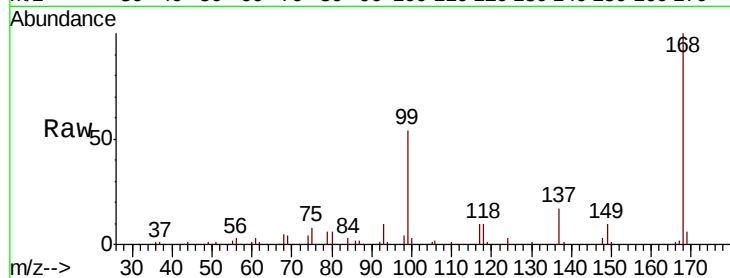




#31
Cyclohexane
Concen: 1.326 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005741.D
Acq: 01 Nov 2018 20:32

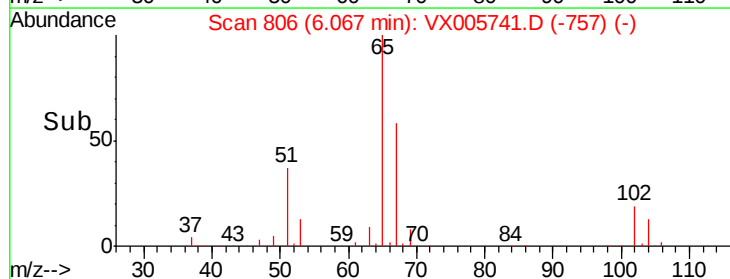
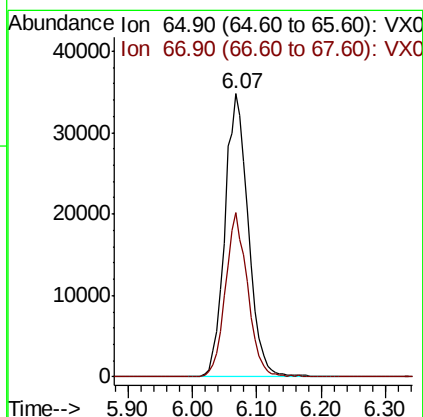
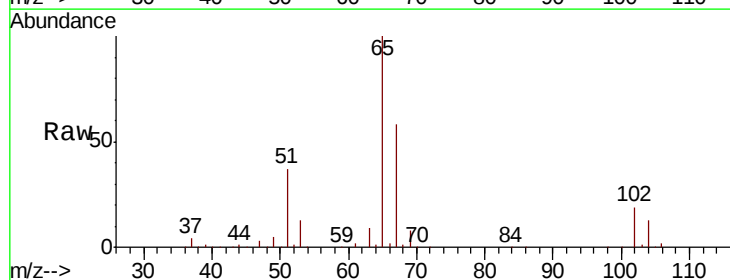
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#07

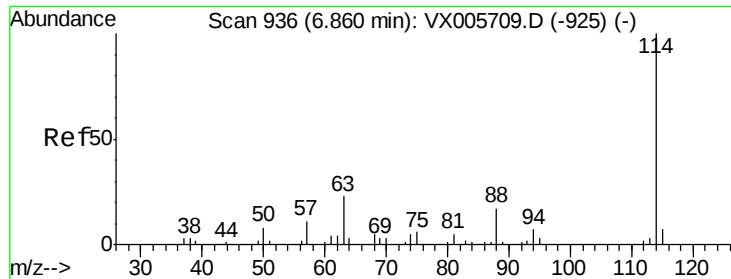
Tgt Ion: 56 Resp: 3126
Ion Ratio Lower Upper
56 100
69 152.2 22.6 34.0#
84 128.7 62.7 94.1#



#33
1,2-Dichloroethane-d4
Concen: 50.516 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005741.D
Acq: 01 Nov 2018 20:32

Tgt Ion: 65 Resp: 89120
Ion Ratio Lower Upper
65 100
67 55.2 0.0 105.0

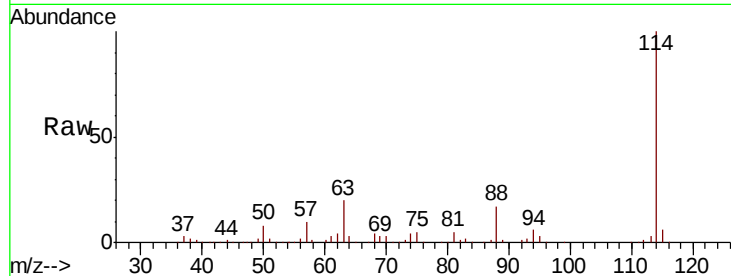




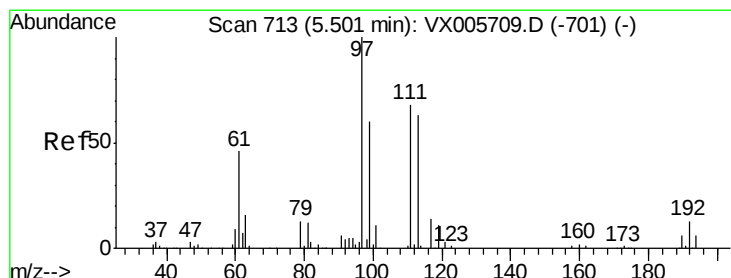
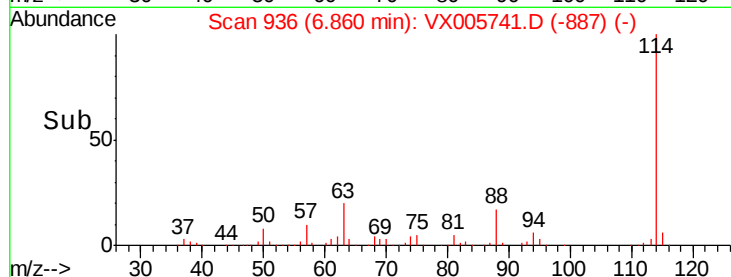
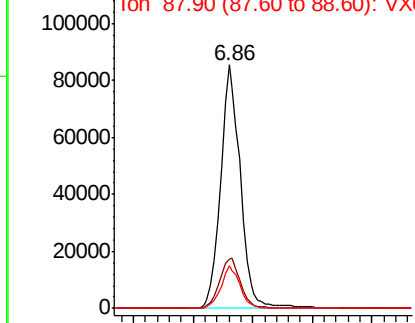
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005741.D
 Acq: 01 Nov 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#07

Tgt Ion:114 Resp: 197511
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.8
 88 17.5 0.0 31.2

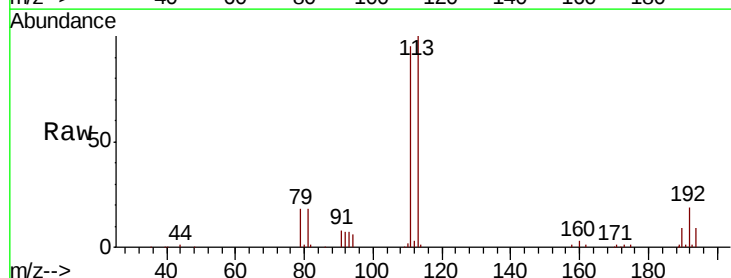


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

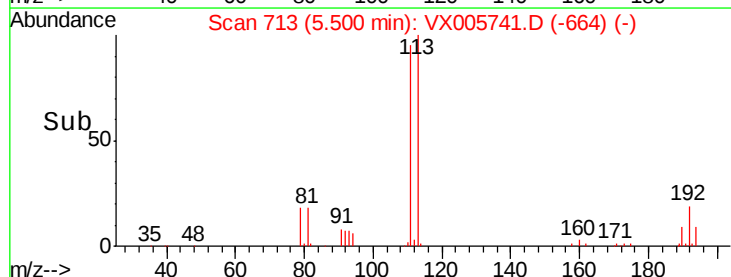
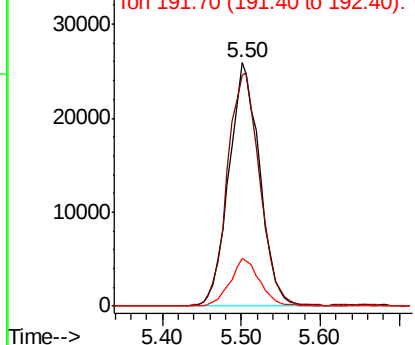


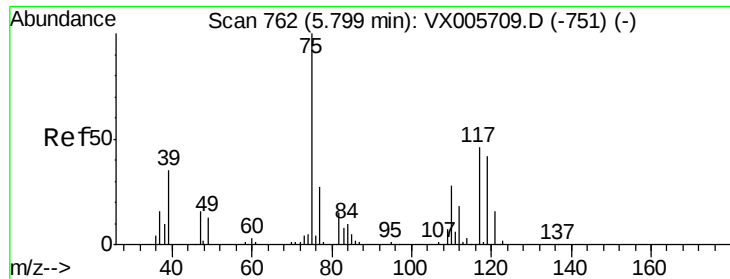
#35
 Dibromofluoromethane
 Concen: 51.383 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005741.D
 Acq: 01 Nov 2018 20:32

Tgt Ion:113 Resp: 70270
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.3 123.5
 192 18.8 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: 5.001 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

PB114370ZHE#07

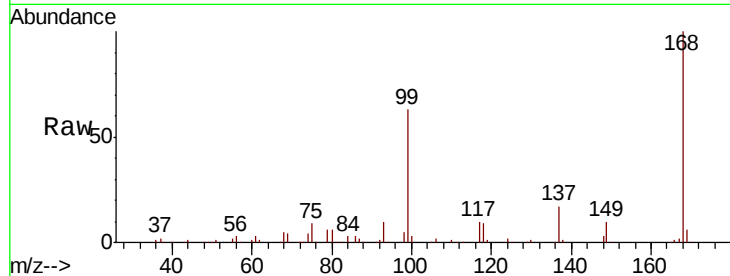
Tgt Ion: 75 Resp: 10523

Ion Ratio Lower Upper

75 100

110 3.7 17.4 52.2#

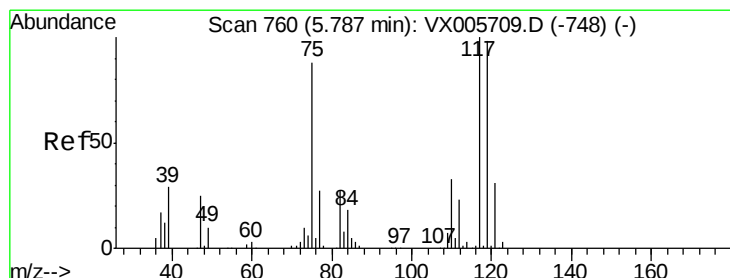
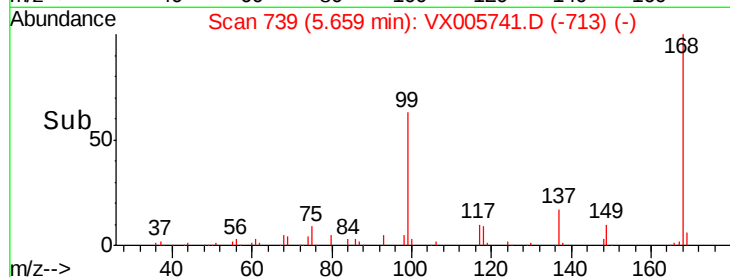
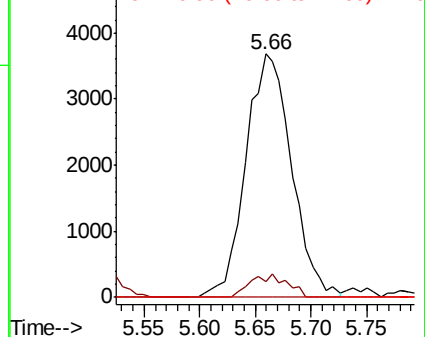
77 0.0 25.8 38.6#



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: 6.536 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

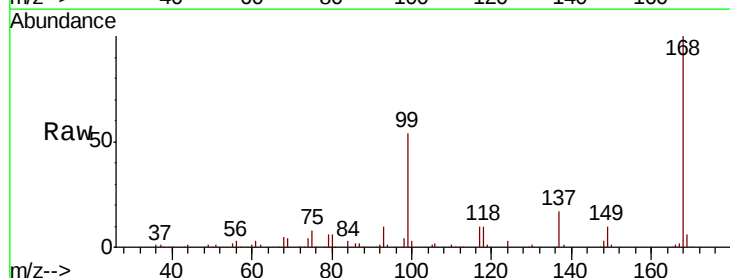
Tgt Ion: 117 Resp: 12426

Ion Ratio Lower Upper

117 100

119 6.5 78.1 117.1#

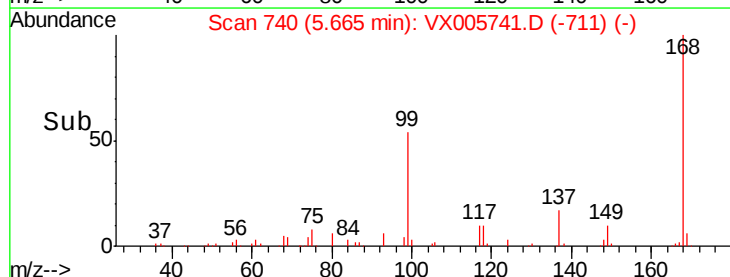
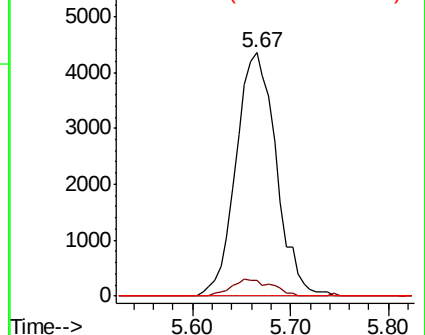
121 0.0 24.6 36.8#

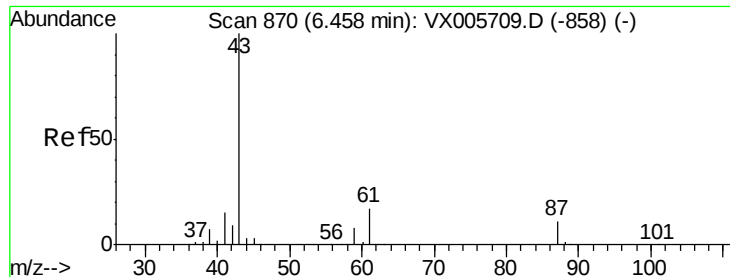


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 25.655 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

PB114370ZHE#07

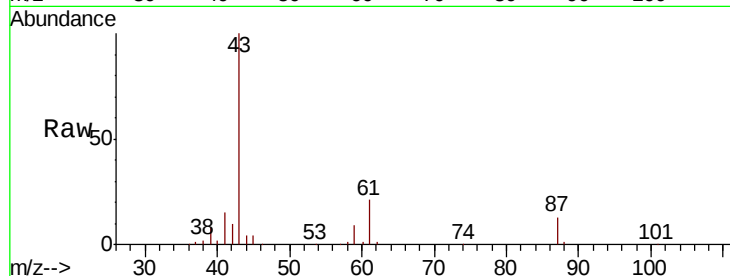
Tgt Ion: 43 Resp: 99967

Ion Ratio Lower Upper

43 100

61 20.1 14.6 22.0

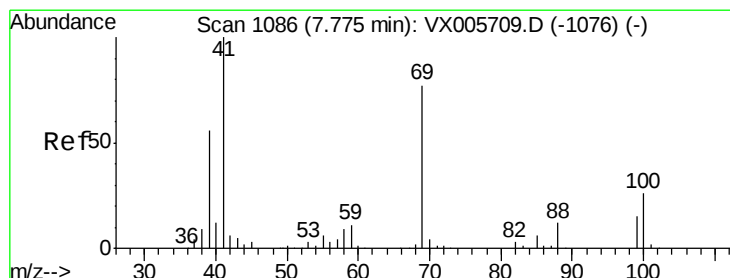
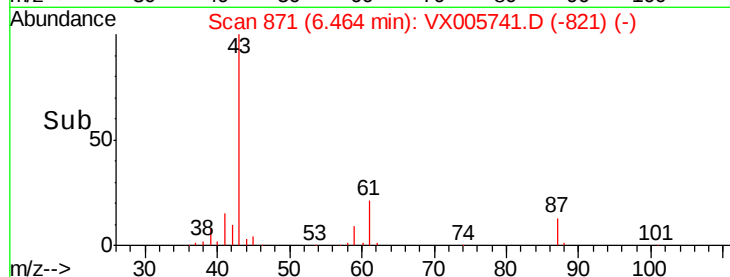
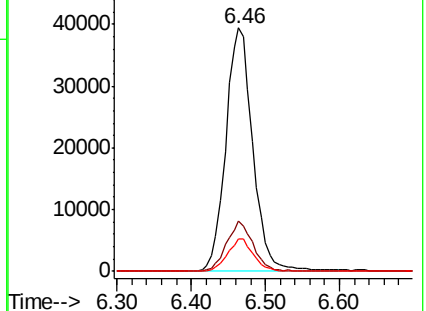
87 12.8 9.6 14.4



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: 1.934 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

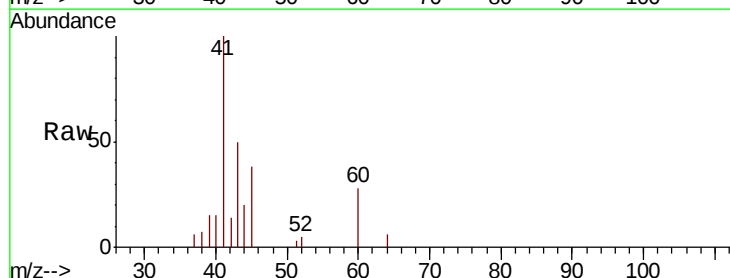
Tgt Ion: 41 Resp: 3647

Ion Ratio Lower Upper

41 100

69 0.0 63.2 94.8#

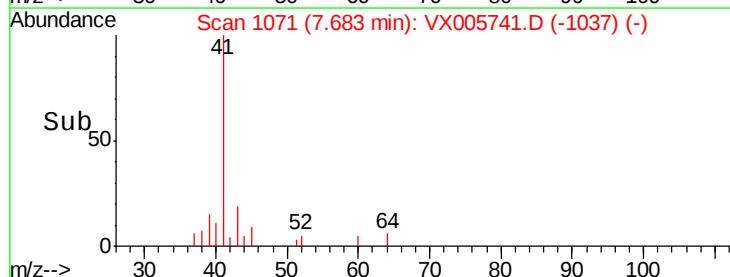
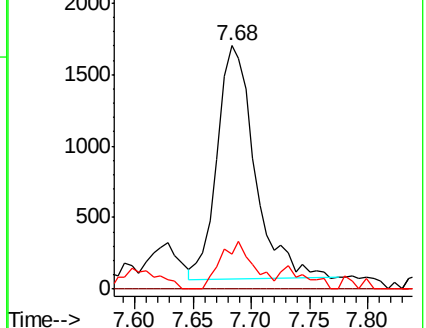
39 17.9 42.2 63.2#

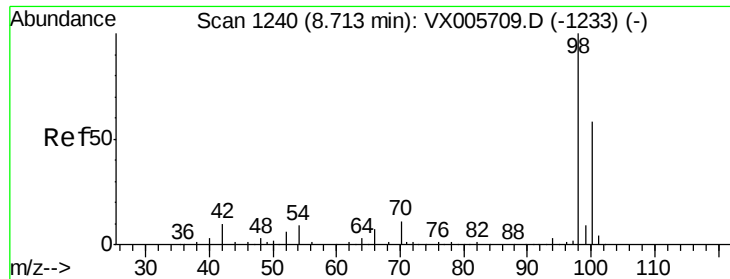


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#50

Toluene-d8

Concen: 51.038 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

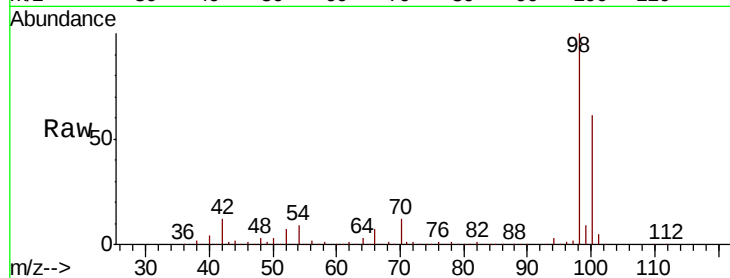
PB114370ZHE#07

Tgt Ion: 98 Resp: 244806

Ion Ratio Lower Upper

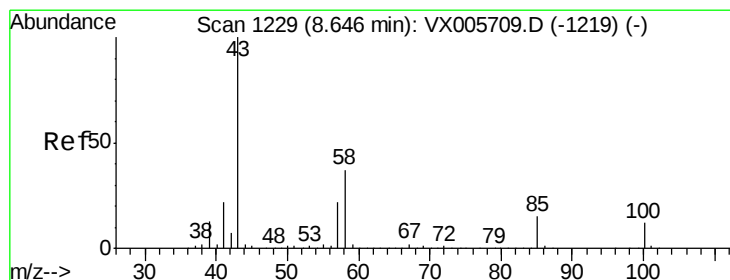
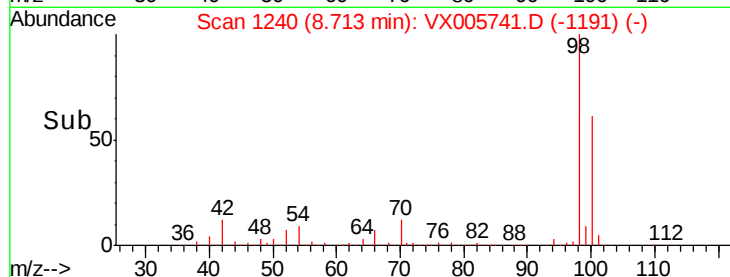
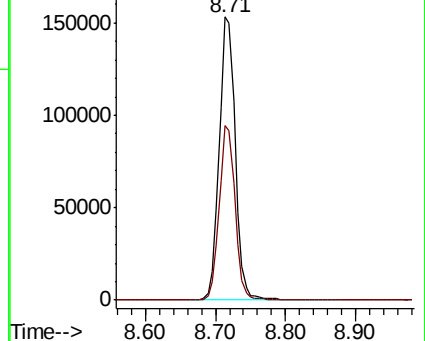
98 100

100 60.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.504 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX005741.D

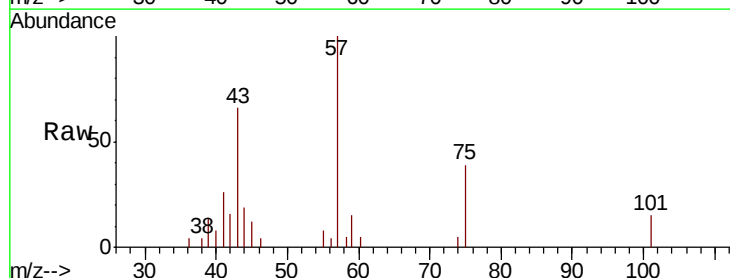
Acq: 01 Nov 2018 20:32

Tgt Ion: 43 Resp: 1339

Ion Ratio Lower Upper

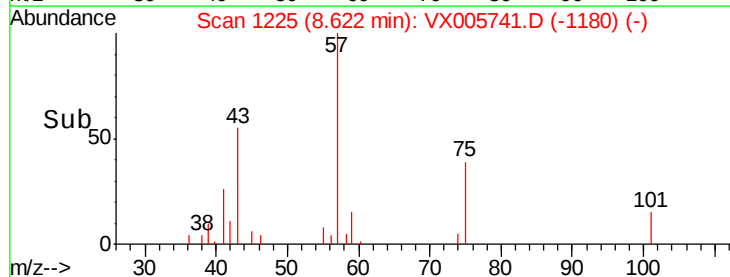
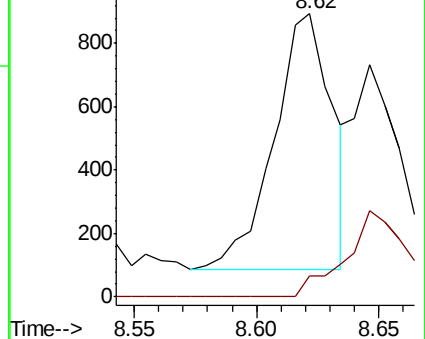
43 100

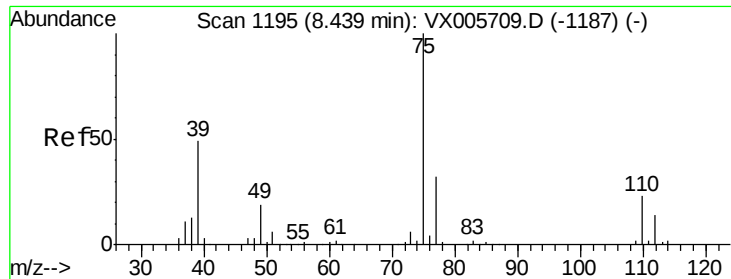
58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

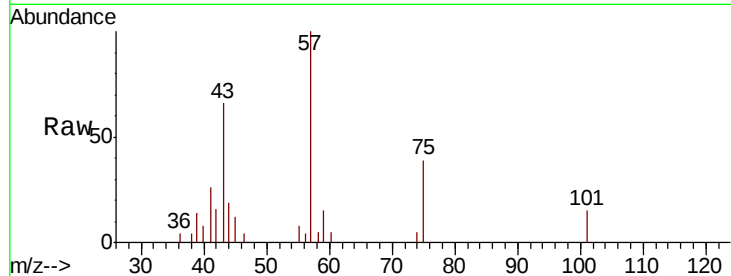




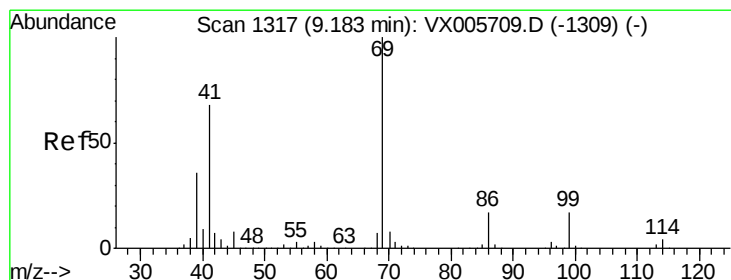
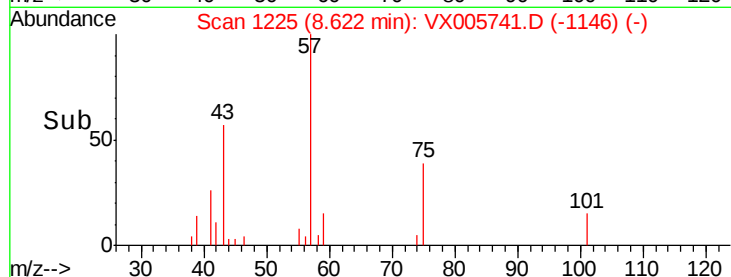
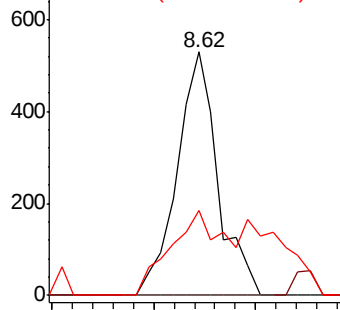
#54
 cis-1,3-Dichloropropene
 Concen: 0.329 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005741.D
 Acq: 01 Nov 2018 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#07

Tgt Ion: 75 Resp: 735
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 34.7 38.2 57.2#

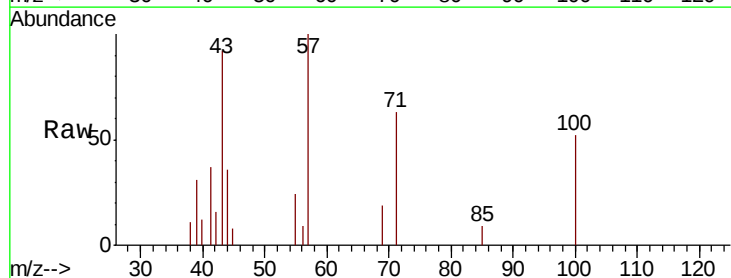


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0

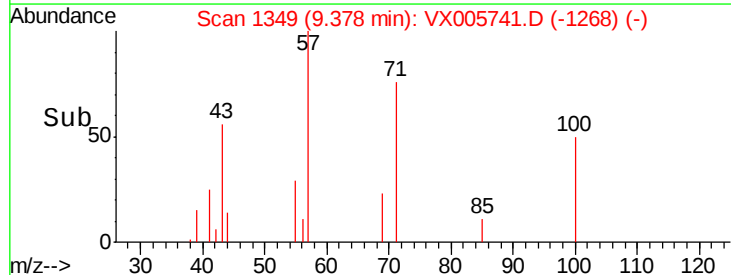
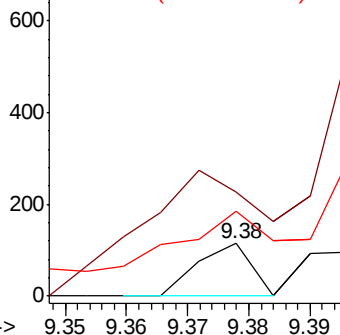


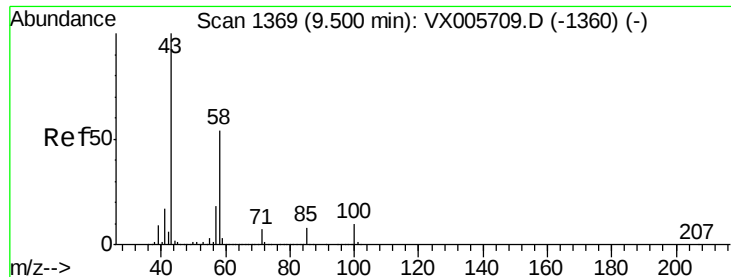
#56
 Ethyl methacrylate
 Concen: 2.497 ug/l
 RT: 9.38 min Scan# 1349
 Delta R.T. 0.20 min
 Lab File: VX005741.D
 Acq: 01 Nov 2018 20:32

Tgt Ion: 69 Resp: 69
 Ion Ratio Lower Upper
 69 100
 41 550.7 57.0 85.6#
 39 0.0 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

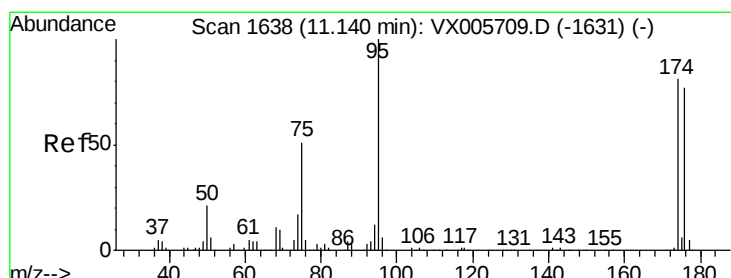
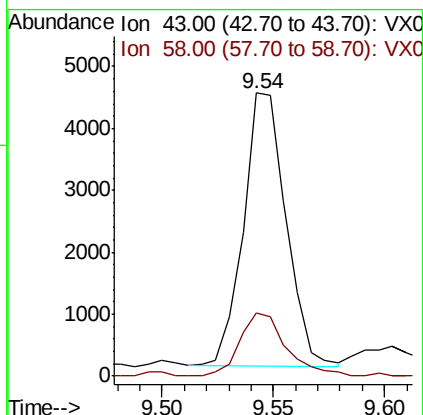
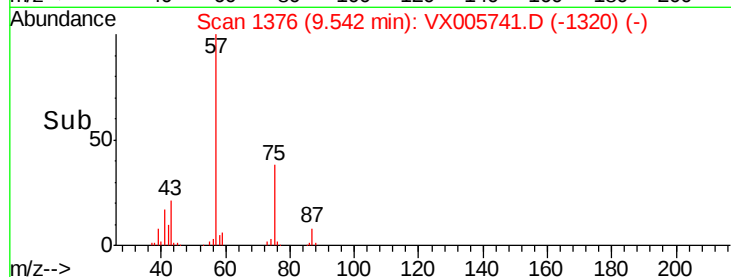
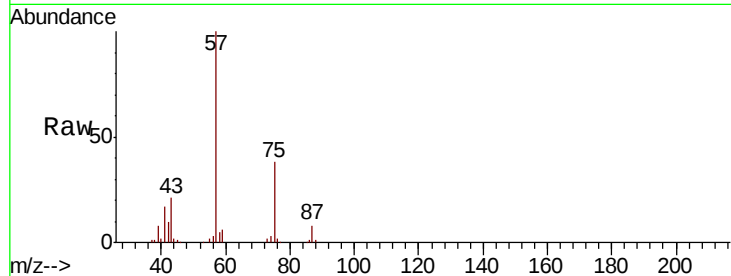




#59
2-Hexanone
Concen: 2.706 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005741.D
Acq: 01 Nov 2018 20:32

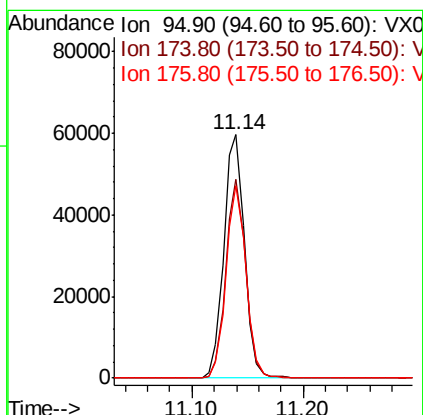
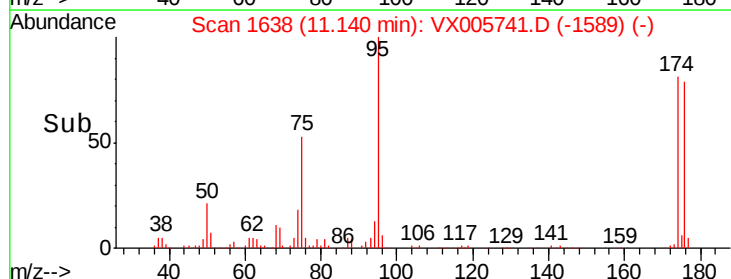
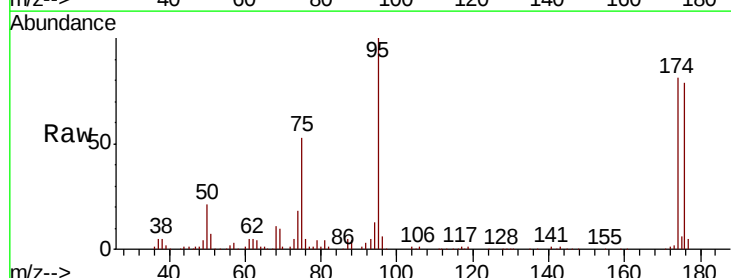
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#07

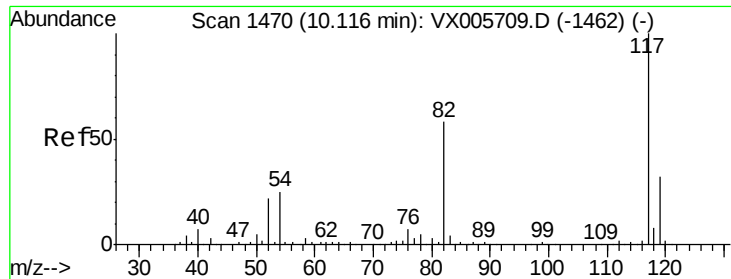
Tgt Ion: 43 Resp: 5850
Ion Ratio Lower Upper
43 100
58 25.3 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 43.278 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005741.D
Acq: 01 Nov 2018 20:32

Tgt Ion: 95 Resp: 76613
Ion Ratio Lower Upper
95 100
174 78.8 0.0 184.4
176 76.4 0.0 177.4

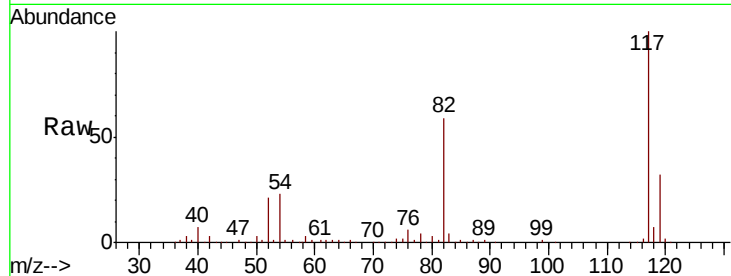




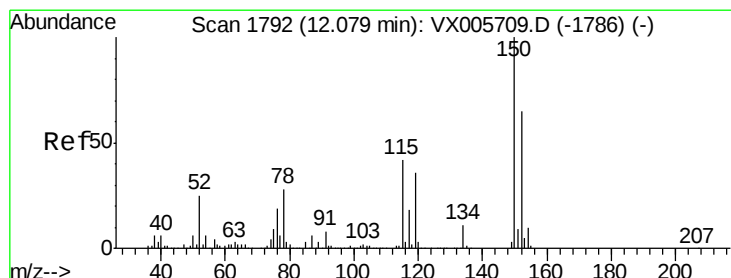
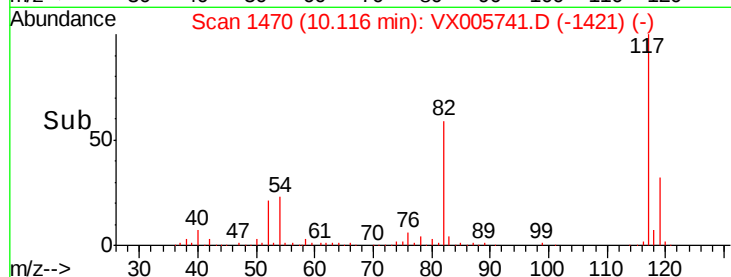
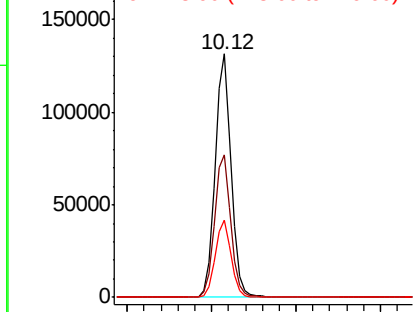
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005741.D
Acq: 01 Nov 2018 20:32

Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#07

Tgt Ion:117 Resp: 172813
Ion Ratio Lower Upper
117 100
82 58.6 44.1 66.1
119 31.6 26.2 39.2

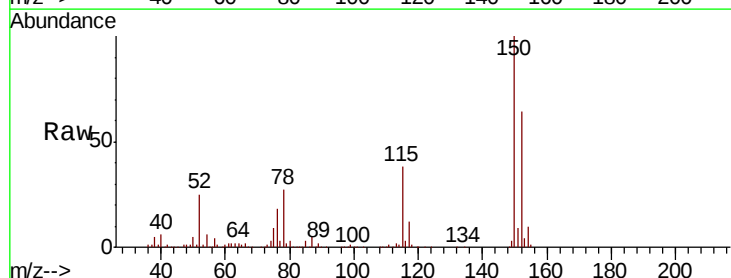


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

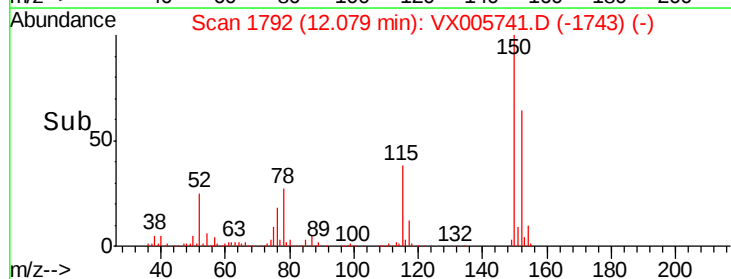
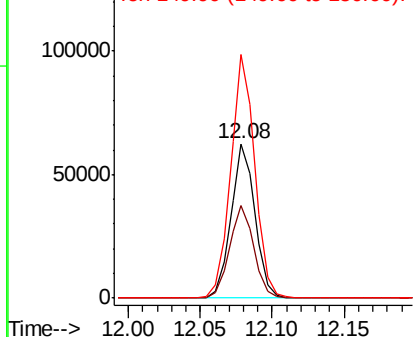


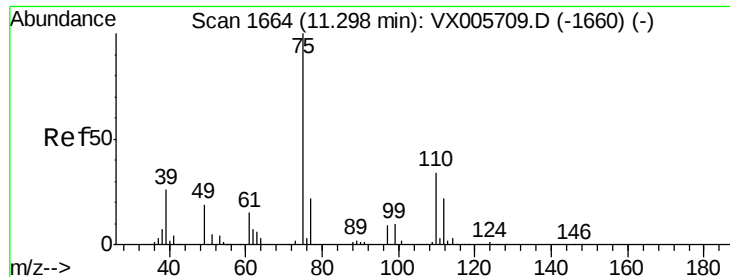
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005741.D
Acq: 01 Nov 2018 20:32

Tgt Ion:152 Resp: 73223
Ion Ratio Lower Upper
152 100
115 60.8 39.4 118.1
150 157.8 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: 22.465 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

Instrument :

MSVOA_X

ClientSampleId :

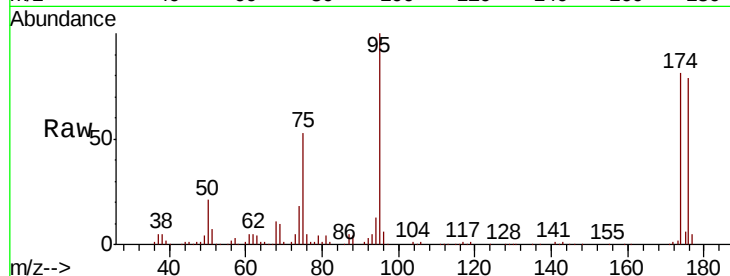
PB114370ZHE#07

Tgt Ion: 75 Resp: 40969

Ion Ratio Lower Upper

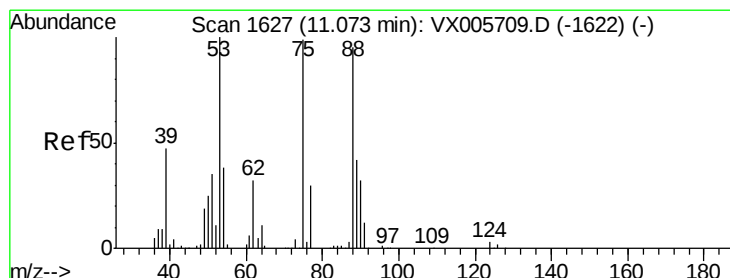
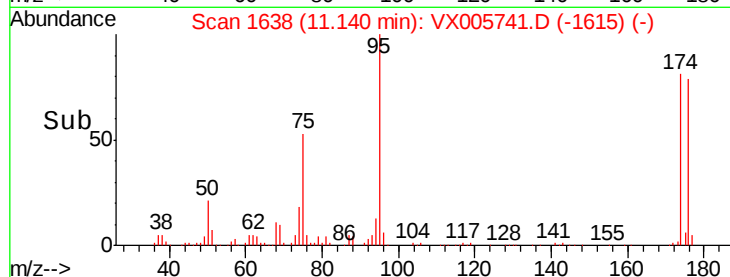
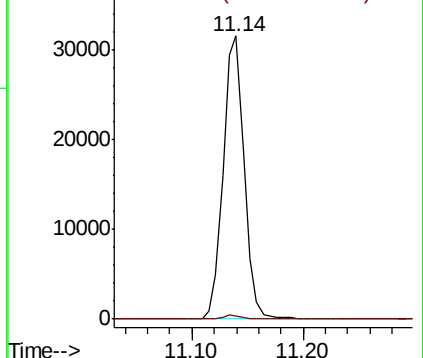
75 100

77 1.2 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: 72.582 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005741.D

Acq: 01 Nov 2018 20:32

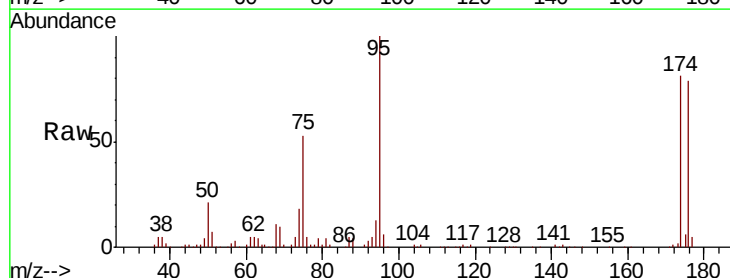
Tgt Ion: 75 Resp: 40969

Ion Ratio Lower Upper

75 100

53 0.1 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

