

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
 Data File : VX005739.D
 Acq On : 01 Nov 2018 19:38
 Operator : JC/MD
 Sample : PB114370ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#05

Quant Time: Nov 02 04:19:56 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	118748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	191707	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	170517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	71940	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	95137	54.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.60%		
35) Dibromofluoromethane	5.50	113	67847	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.22%		
50) Toluene-d8	8.71	98	239475	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.88%		
62) 4-Bromofluorobenzene	11.14	95	75134	43.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.46%		

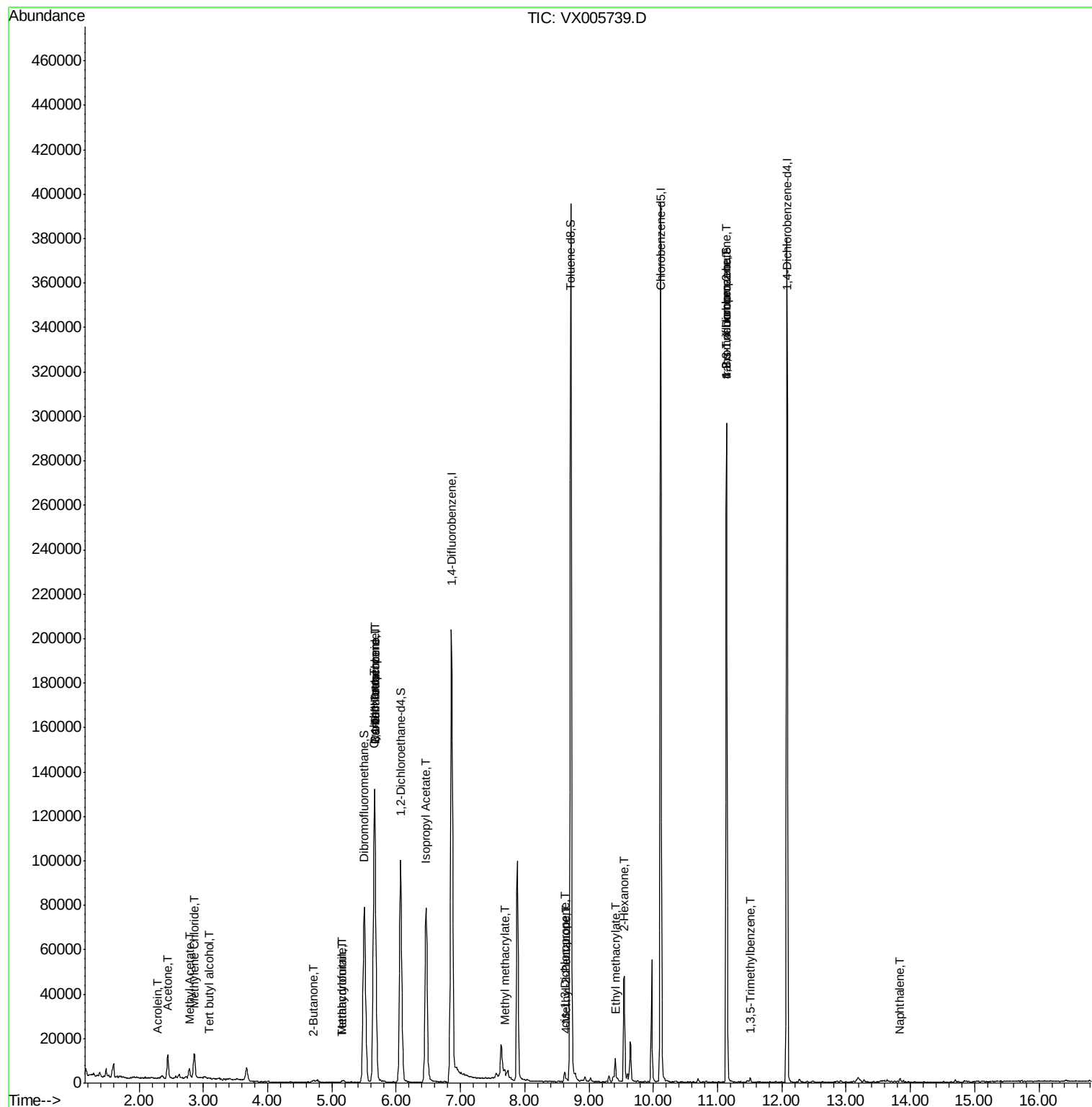
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	94	Below Cal	#	42
11) Tert butyl alcohol	3.08	59	237	0.503	ug/l #	72
13) Acrolein	2.29	56	58	12.346	ug/l #	59
16) Acetone	2.45	43	10946	3.057	ug/l	97
18) Methyl Acetate	2.78	43	5603	2.249	ug/l	96
20) Methylene Chloride	2.85	84	4957	3.311	ug/l	92
25) 2-Butanone	4.71	43	1954	1.334	ug/l	99
29) Tetrahydrofuran	5.15	42	376	0.421	ug/l #	82
31) Cyclohexane	5.65	56	3004	1.295	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	10202	4.995	ug/l #	48
38) Carbon Tetrachloride	5.67	117	11793	6.391	ug/l #	16
41) Methacrylonitrile	5.16	41	343	0.244	ug/l #	46
43) Isopropyl Acetate	6.46	43	103202	27.287	ug/l	99
48) Methyl methacrylate	7.69	41	3353	1.832	ug/l #	27
51) 4-Methyl-2-Pentanone	8.65	43	741	0.287	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	517	0.239	ug/l #	76
56) Ethyl methacrylate	9.41	69	337	2.603	ug/l #	1
59) 2-Hexanone	9.55	43	5558	2.648	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	39644	22.126	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.51	105	846	0.210	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	39644	71.487	ug/l #	9
95) Naphthalene	13.83	128	1073	0.214	ug/l #	96

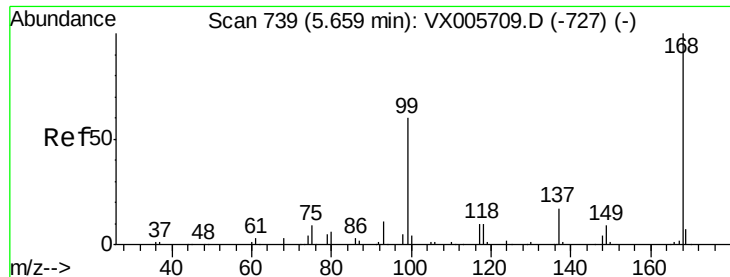
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX110118\
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Quant Time: Nov 02 04:19:56 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: VX005739.D

Acq: 01 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

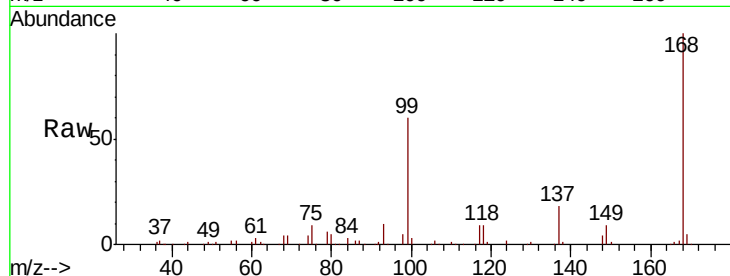
PB114370ZHE#05

Tgt Ion: 168 Resp: 118748

Ion Ratio Lower Upper

168 100

99 59.5 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

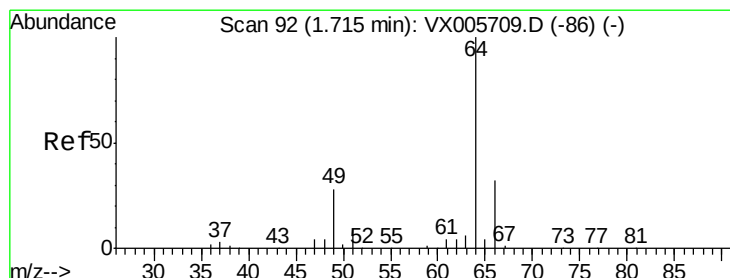
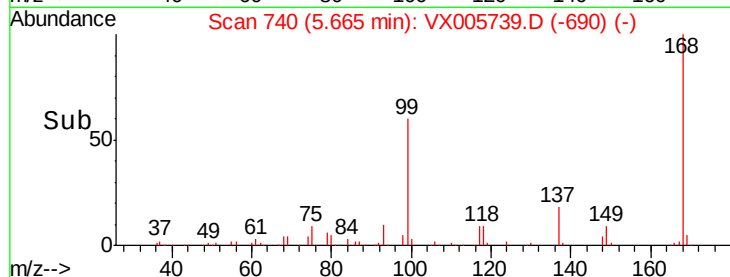
10000

0

Time-->

5.60

5.70



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.03 min

Lab File: VX005739.D

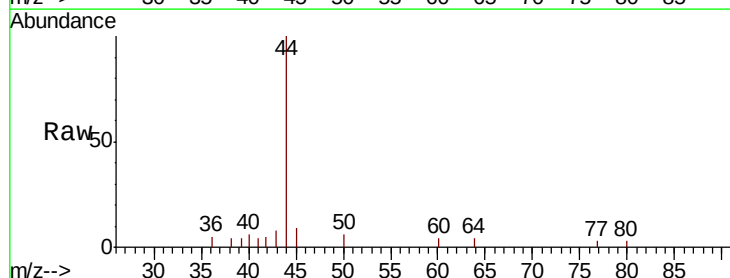
Acq: 01 Nov 2018 19:38

Tgt Ion: 64 Resp: 94

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

1.74

80

60

40

20

0

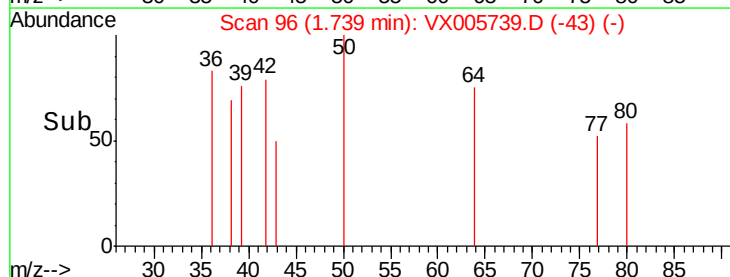
Time-->

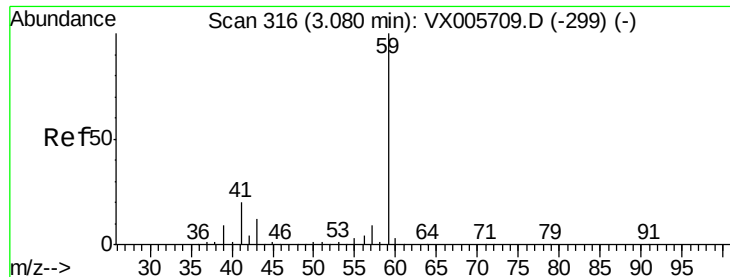
1.72

1.74

1.76

1.78

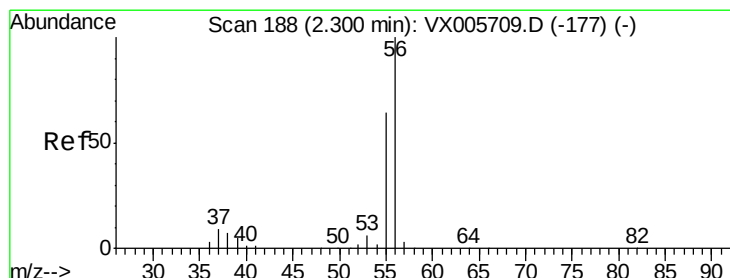
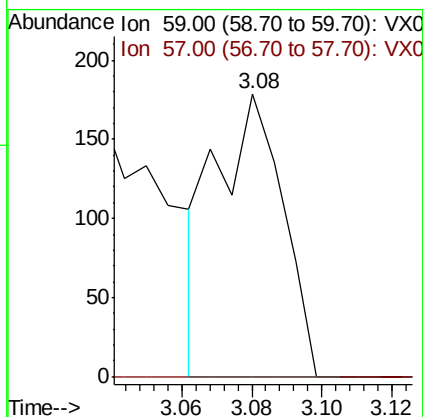
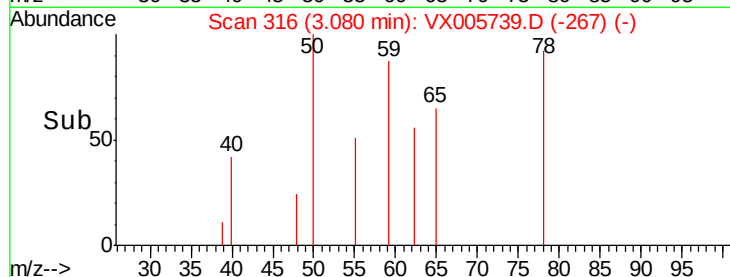
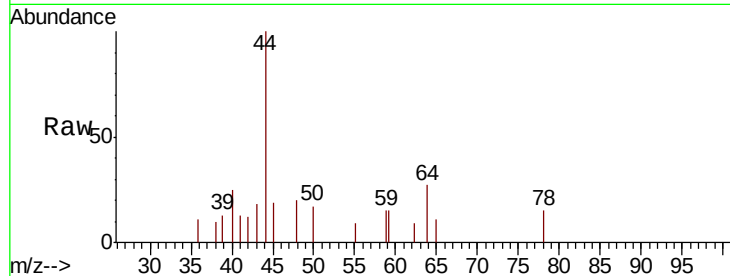




#11
Tert butyl alcohol
Concen: 0.503 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

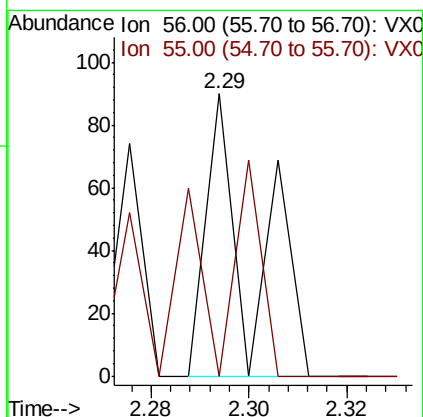
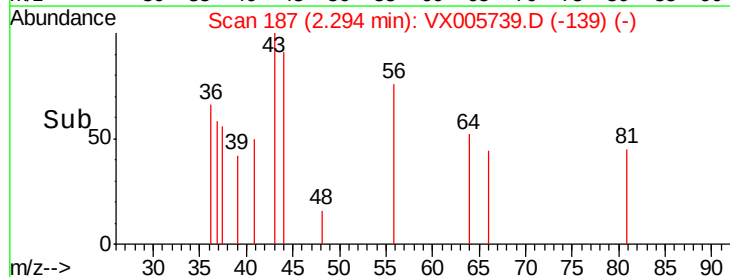
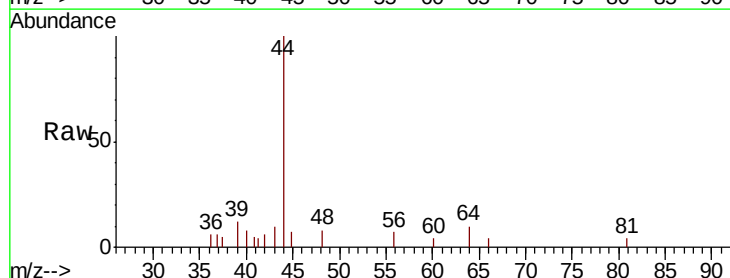
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#05

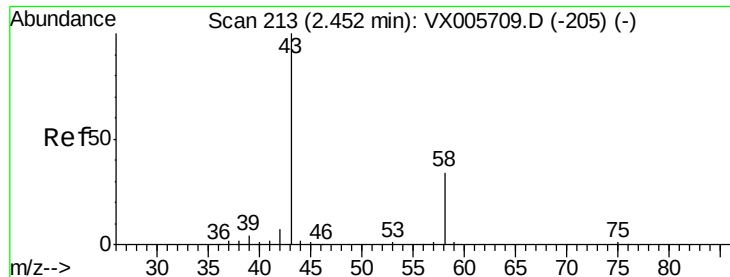
Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 12.346 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 37.9 57.3 85.9#





#16

Acetone

Concen: 3.057 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005739.D

Acq: 01 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

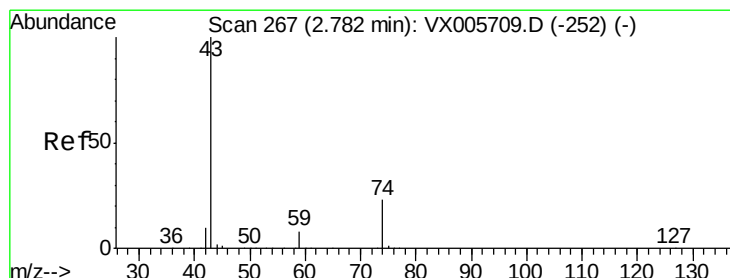
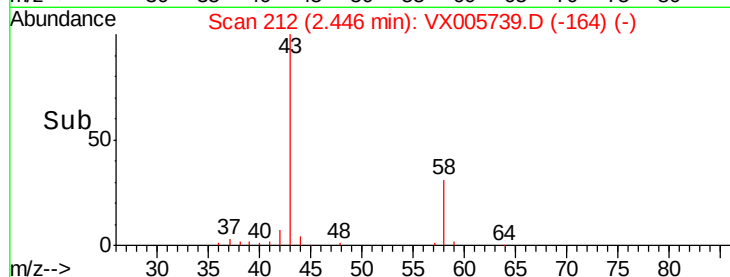
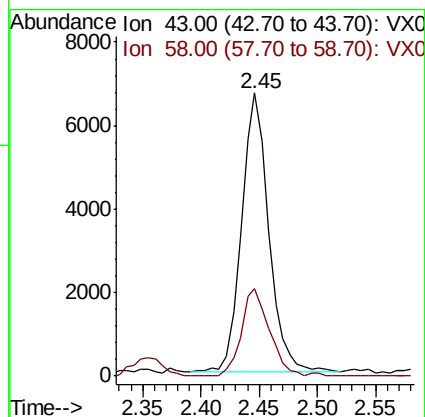
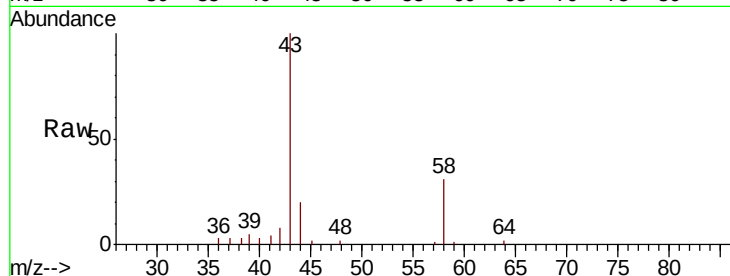
PB114370ZHE#05

Tgt Ion: 43 Resp: 10946

Ion Ratio Lower Upper

43 100

58 31.3 23.8 35.6



#18

Methyl Acetate

Concen: 2.249 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005739.D

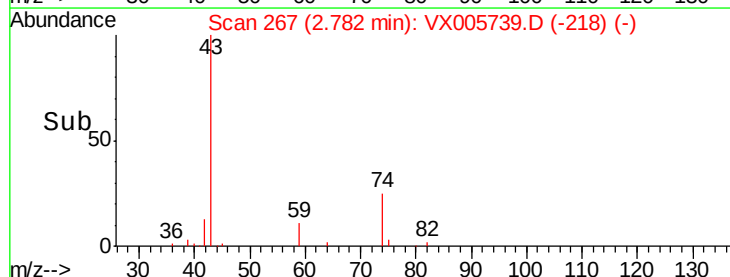
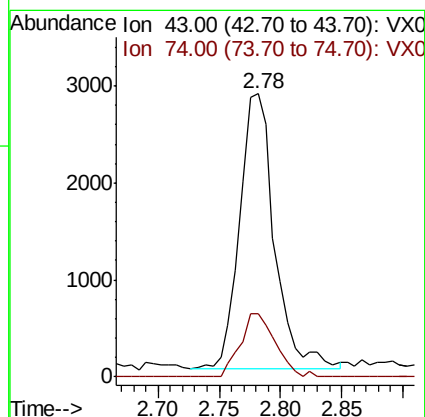
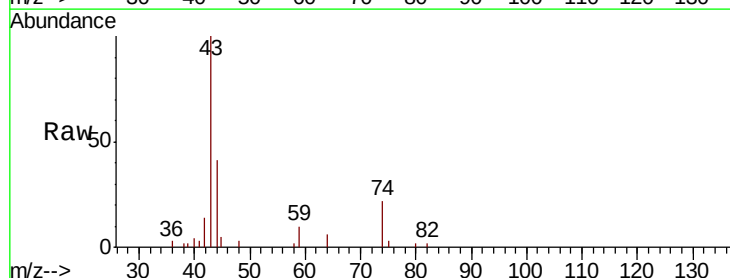
Acq: 01 Nov 2018 19:38

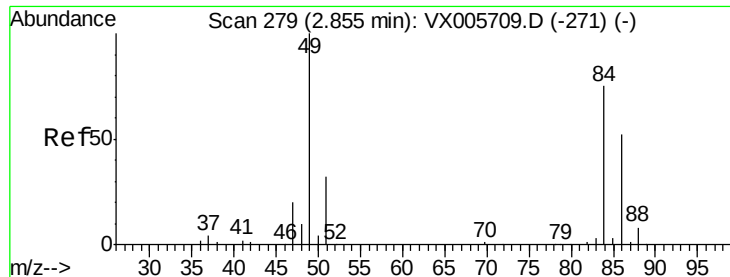
Tgt Ion: 43 Resp: 5603

Ion Ratio Lower Upper

43 100

74 23.1 16.8 25.2

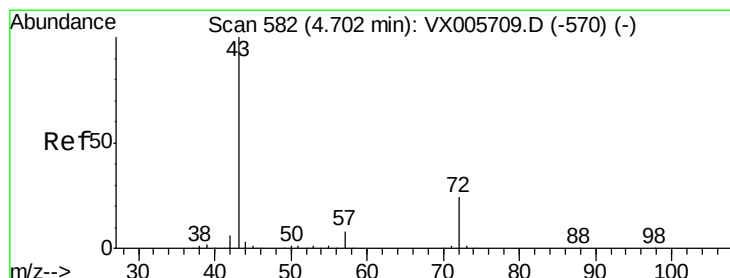
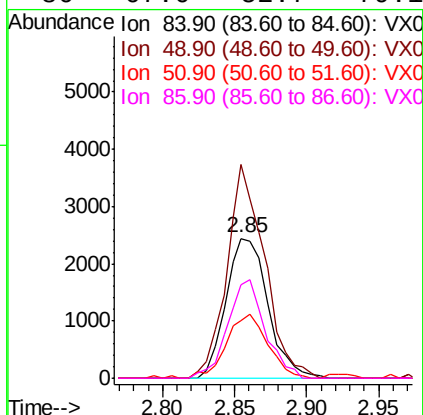
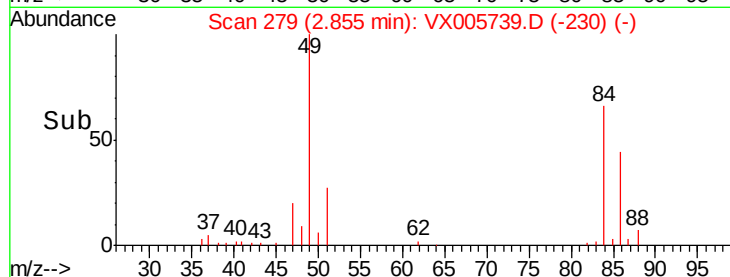
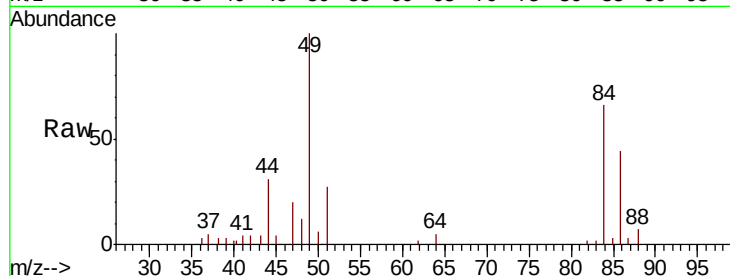




#20
Methylene Chloride
Concen: 3.311 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

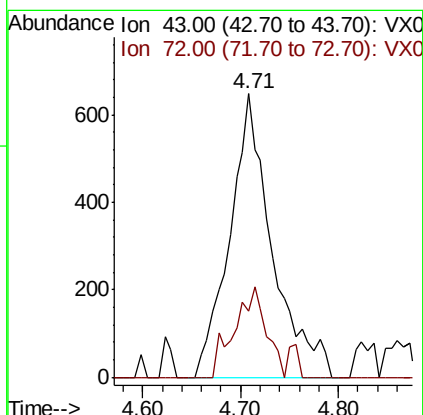
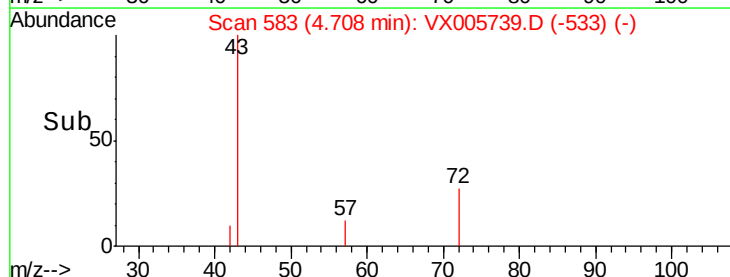
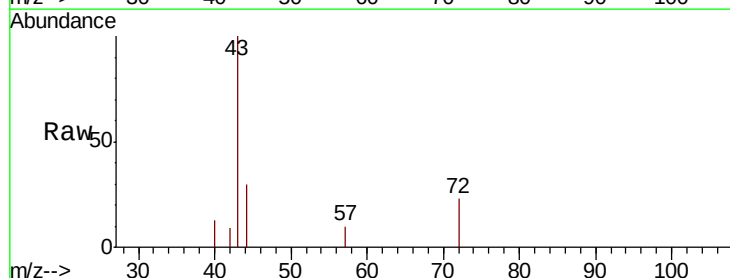
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#05

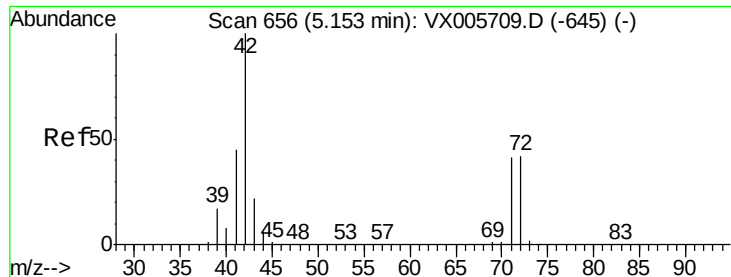
Tgt Ion:	84	Resp:	4957
Ion	Ratio	Lower	Upper
84	100		
49	152.6	109.5	164.3
51	41.6	33.3	49.9
86	67.0	52.7	79.1



#25
2-Butanone
Concen: 1.334 ug/l
RT: 4.71 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

Tgt Ion:	43	Resp:	1954
Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.2	28.8





#29

Tetrahydrofuran

Concen: 0.421 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005739.D

Acq: 01 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

PB114370ZHE#05

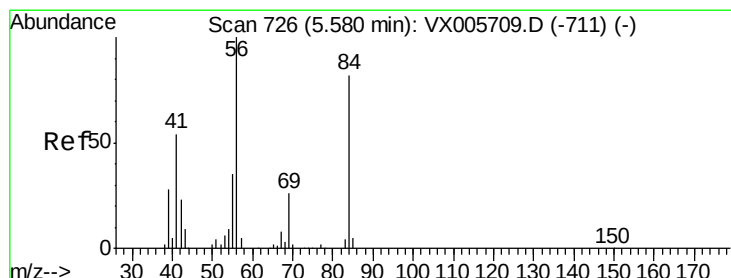
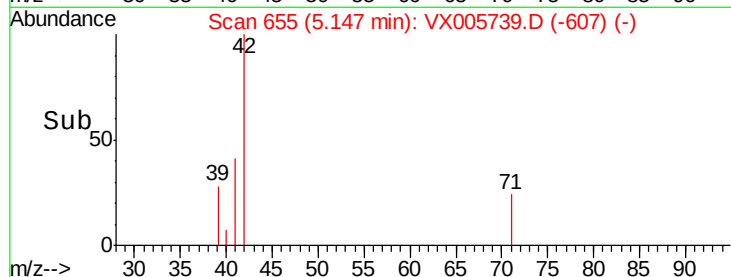
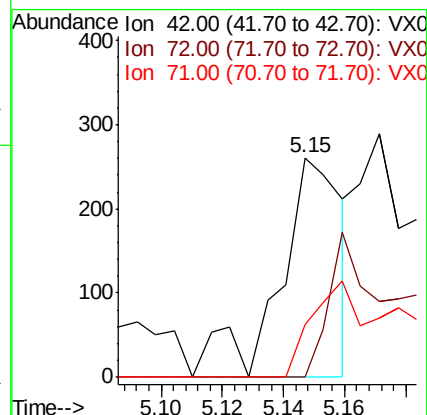
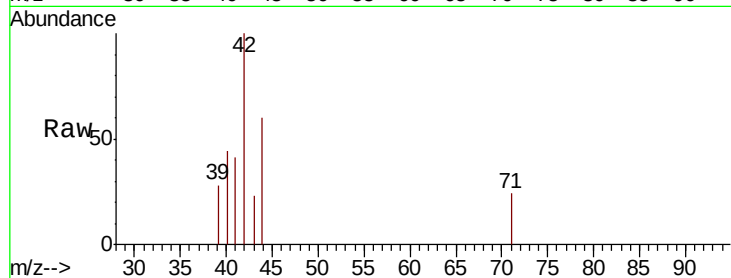
Tgt Ion: 42 Resp: 376

Ion Ratio Lower Upper

42 100

72 59.8 32.0 48.0#

71 38.6 29.8 44.8



#31

Cyclohexane

Concen: 1.295 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX005739.D

Acq: 01 Nov 2018 19:38

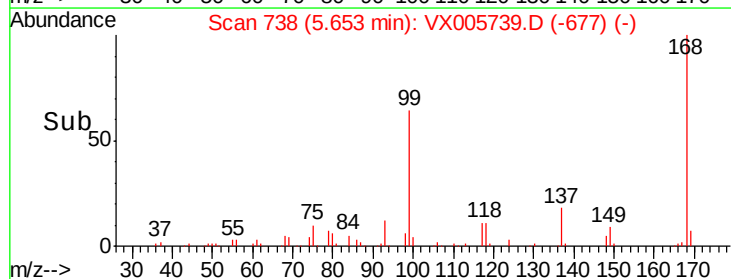
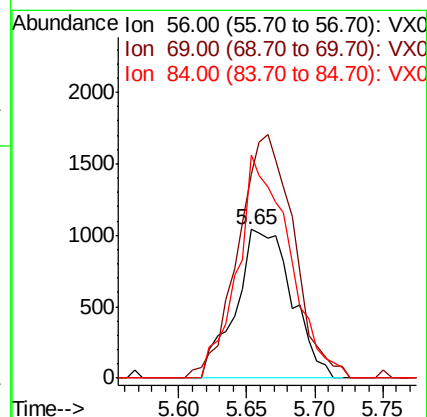
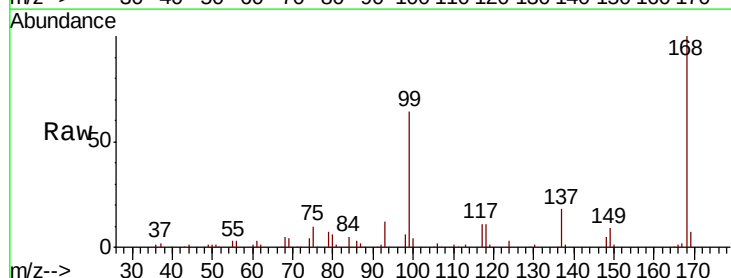
Tgt Ion: 56 Resp: 3004

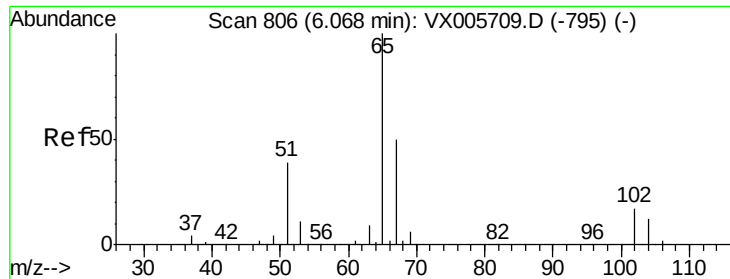
Ion Ratio Lower Upper

56 100

69 132.1 22.6 34.0#

84 149.9 62.7 94.1#

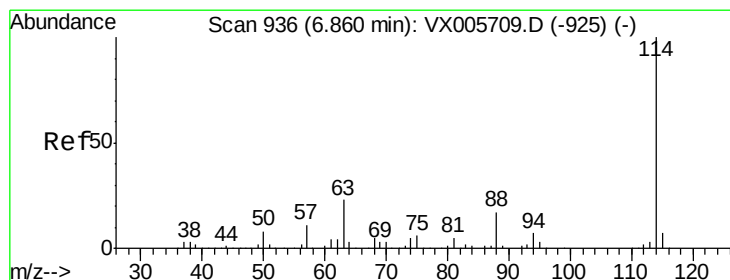
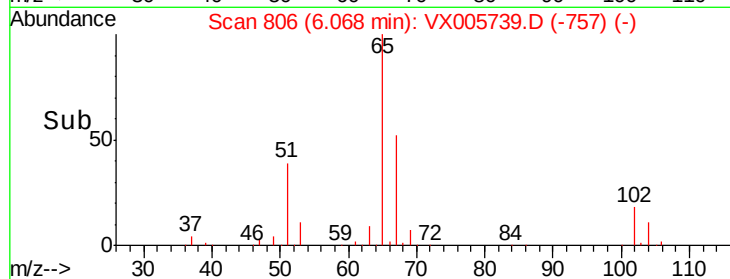
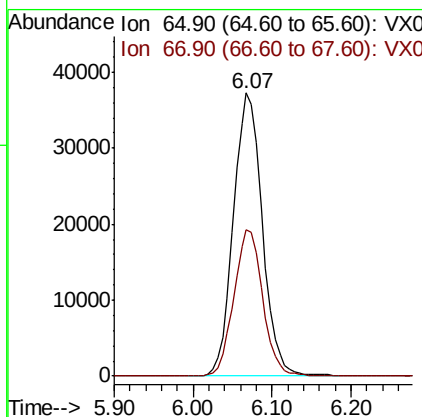
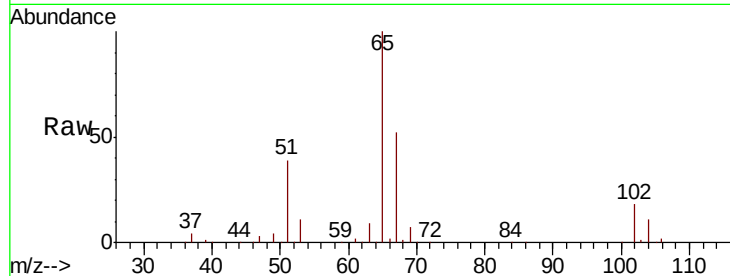




#33
 1,2-Dichloroethane-d4
 Concen: 54.799 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005739.D
 Acq: 01 Nov 2018 19:38

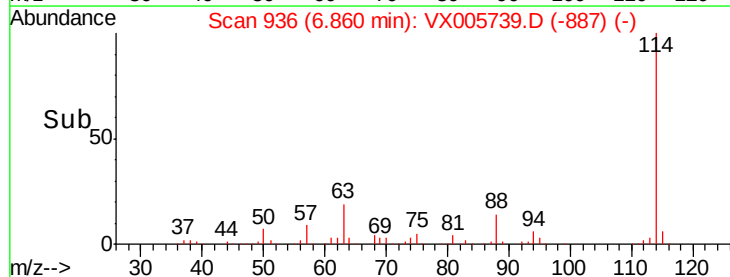
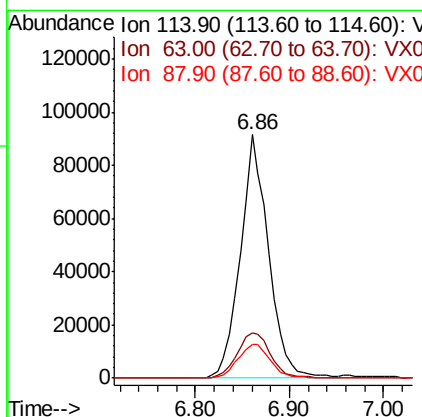
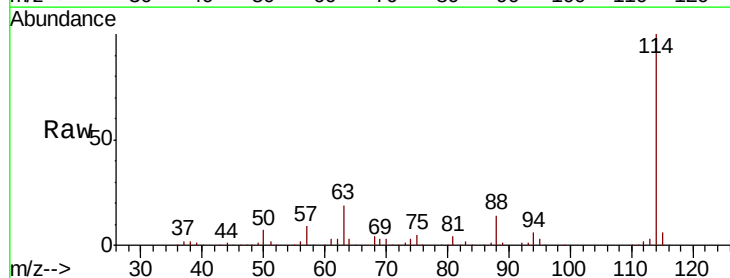
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 PB114370ZHE#05

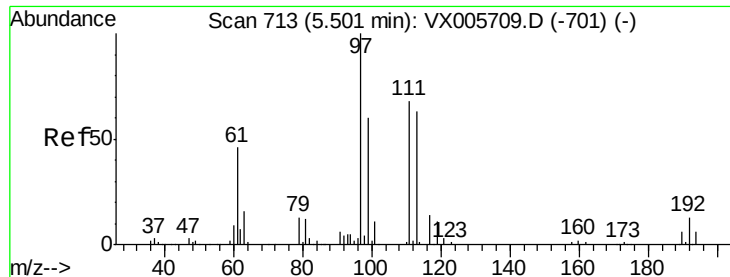
Tgt Ion: 65 Resp: 95137
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005739.D
 Acq: 01 Nov 2018 19:38

Tgt Ion: 114 Resp: 191707
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 42.8
 88 13.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.113 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005739.D

Acq: 01 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

PB114370ZHE#05

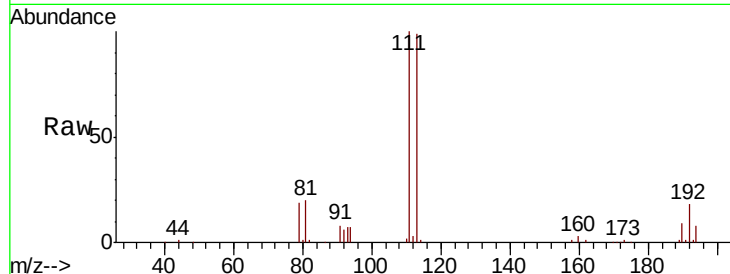
Tgt Ion:113 Resp: 67847

Ion Ratio Lower Upper

113 100

111 101.1 82.3 123.5

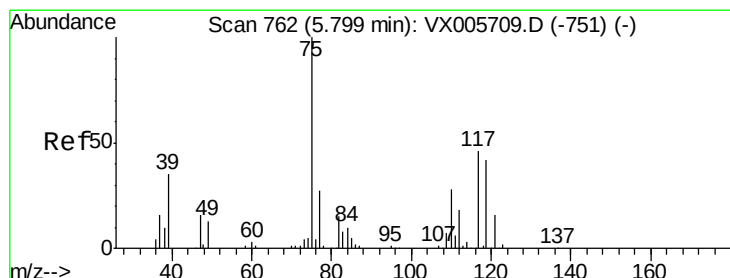
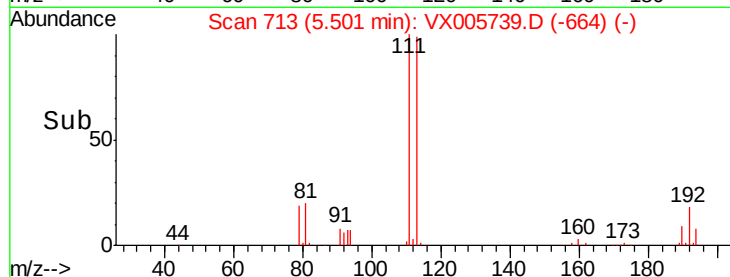
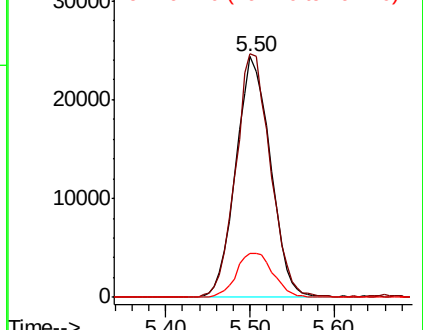
192 19.4 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.995 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005739.D

Acq: 01 Nov 2018 19:38

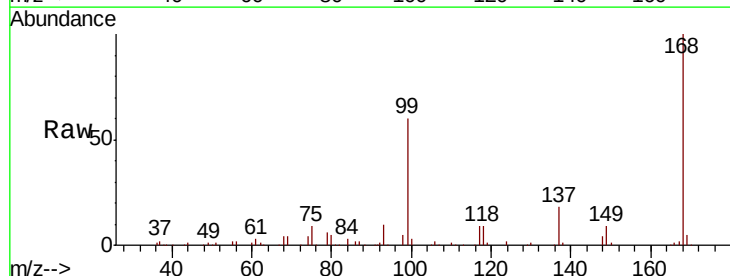
Tgt Ion: 75 Resp: 10202

Ion Ratio Lower Upper

75 100

110 8.1 17.4 52.2#

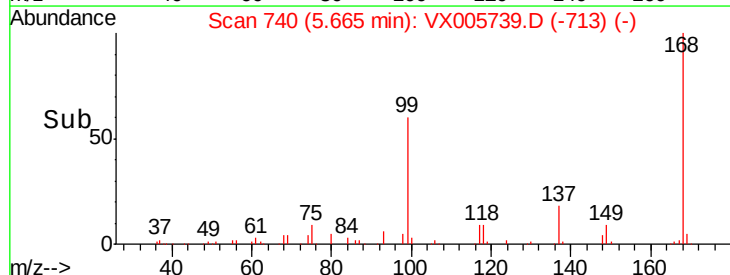
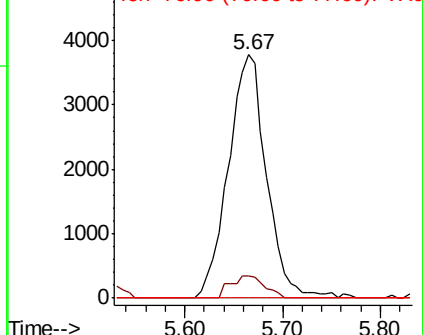
77 0.0 25.8 38.6#

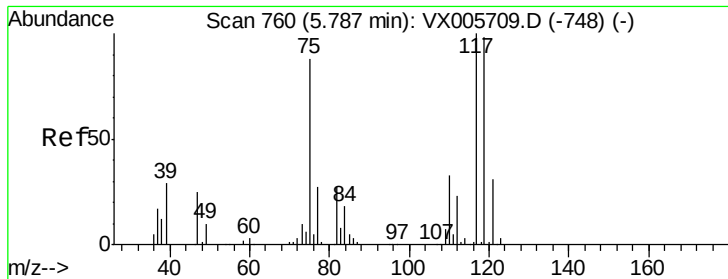


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.391 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005739.D

Acq: 01 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

PB114370ZHE#05

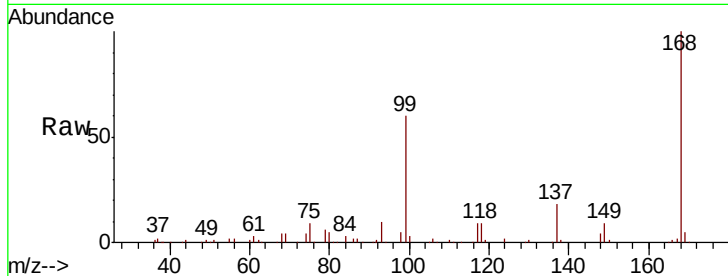
Tgt Ion:117 Resp: 11793

Ion Ratio Lower Upper

117 100

119 6.0 78.1 117.1#

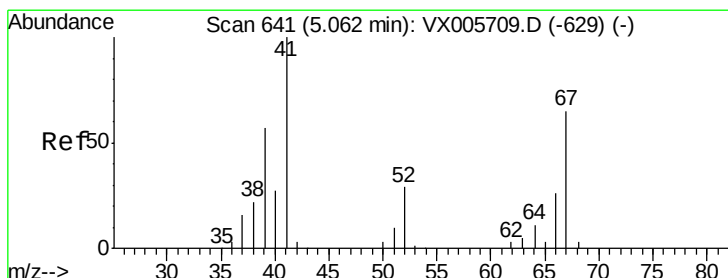
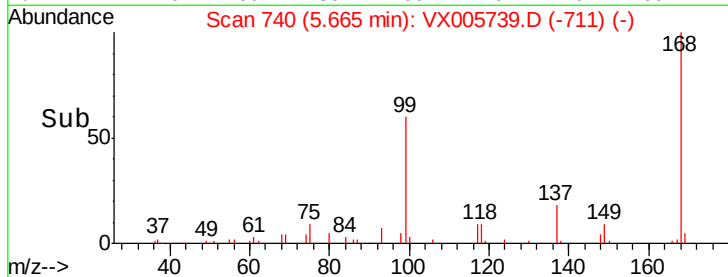
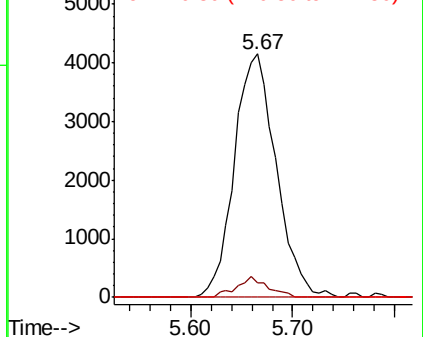
121 0.0 24.6 36.8#



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



#41

Methacrylonitrile

Concen: 0.244 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.10 min

Lab File: VX005739.D

Acq: 01 Nov 2018 19:38

Tgt Ion: 41 Resp: 343

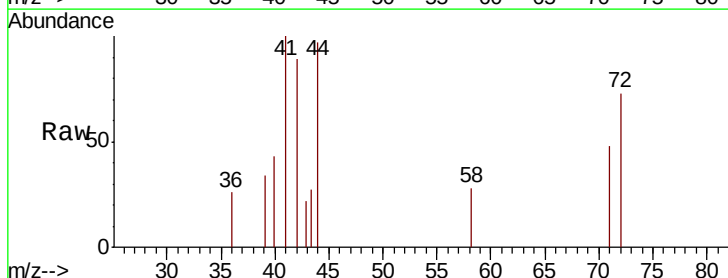
Ion Ratio Lower Upper

41 100

39 40.2 42.2 63.2#

67 0.0 53.4 80.0#

52 0.0 23.4 35.2#

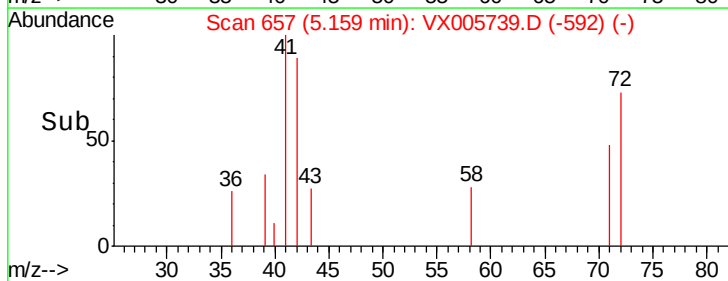
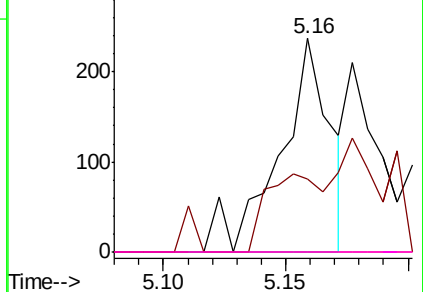


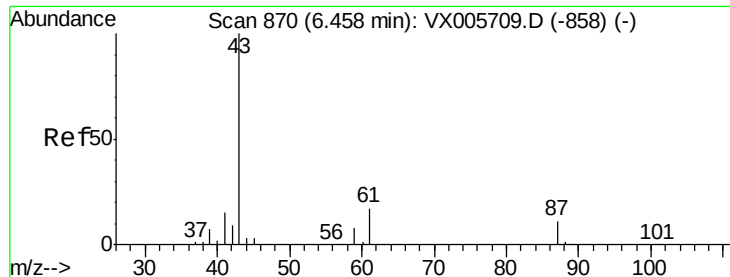
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



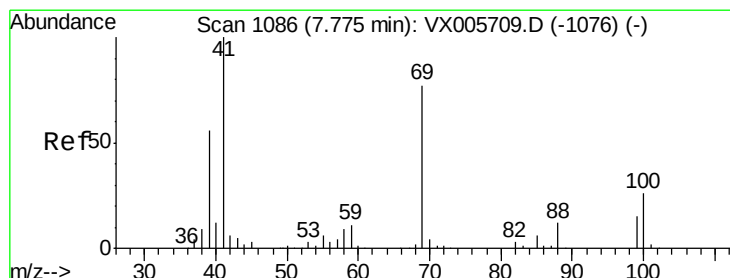
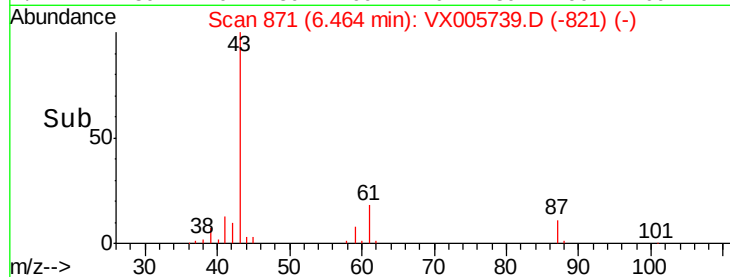
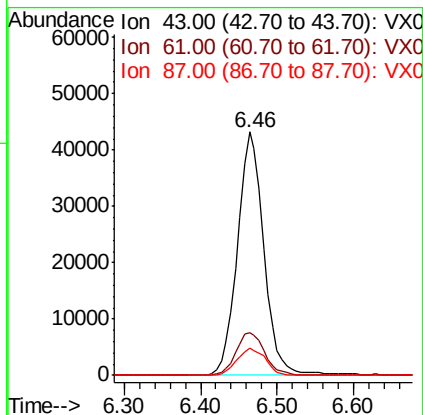
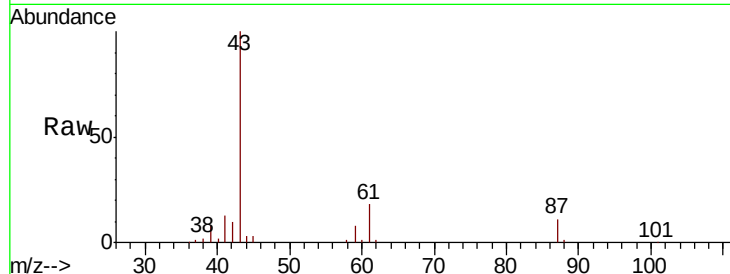


#43

Isopropyl Acetate
 Concen: 27.287 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005739.D
 Acq: 01 Nov 2018 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#05

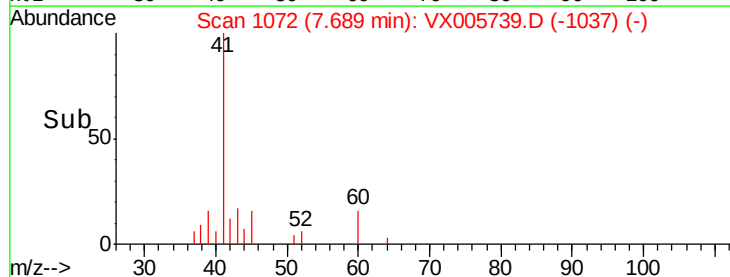
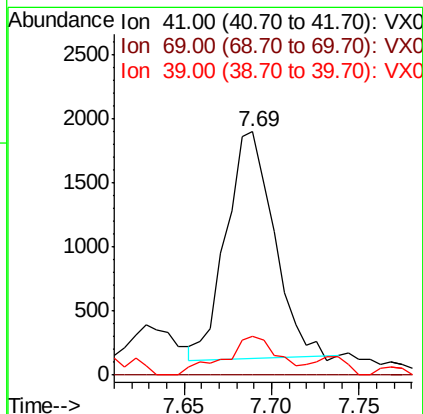
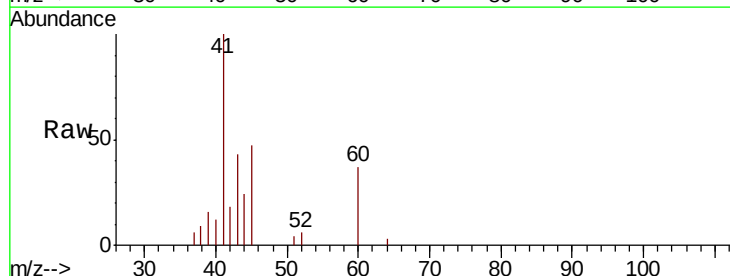
Tgt Ion: 43 Resp: 103202
 Ion Ratio Lower Upper
 43 100
 61 19.2 14.6 22.0
 87 12.2 9.6 14.4

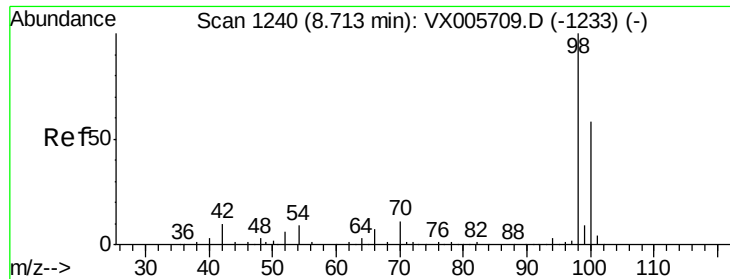


#48

Methyl methacrylate
 Concen: 1.832 ug/l
 RT: 7.69 min Scan# 1072
 Delta R.T. -0.09 min
 Lab File: VX005739.D
 Acq: 01 Nov 2018 19:38

Tgt Ion: 41 Resp: 3353
 Ion Ratio Lower Upper
 41 100
 69 0.0 63.2 94.8#
 39 18.7 42.2 63.2#

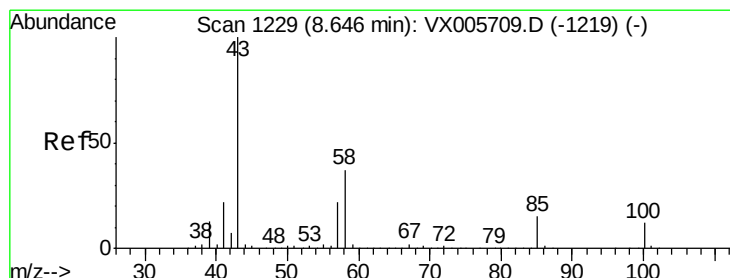
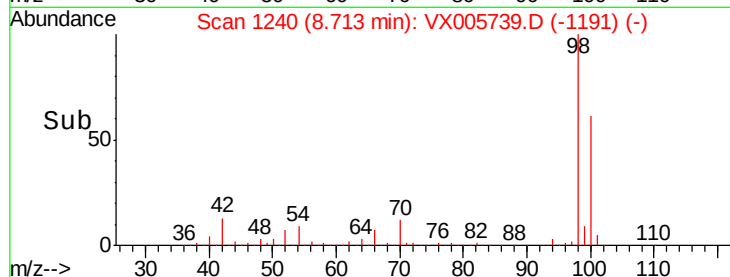
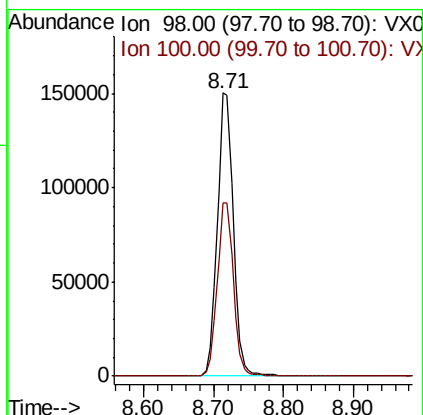
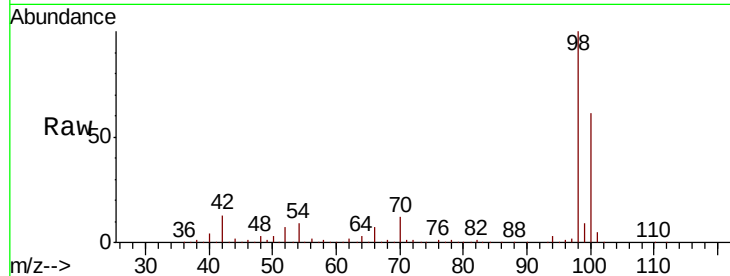




#50
Toluene-d8
Concen: 51.438 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

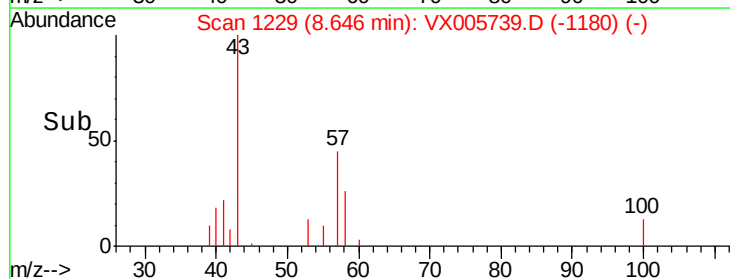
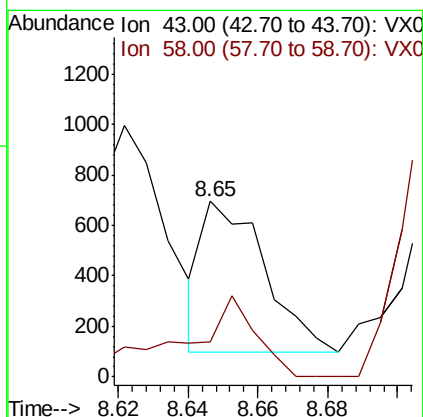
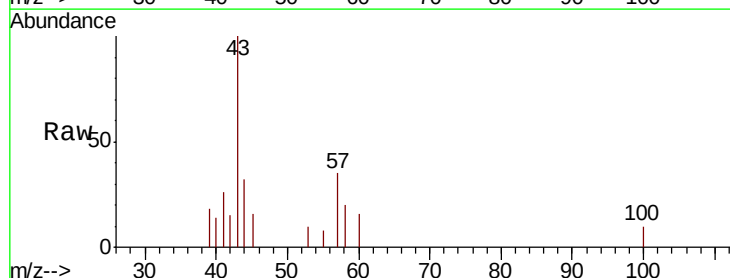
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#05

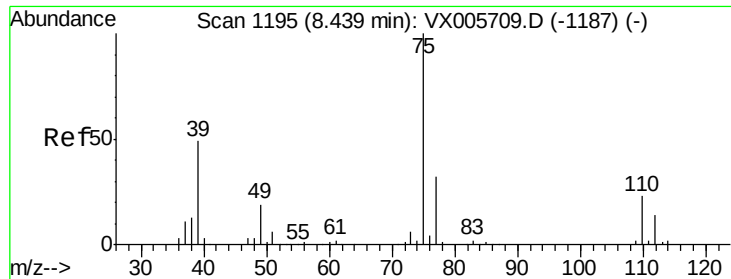
Tgt Ion: 98 Resp: 239475
Ion Ratio Lower Upper
98 100
100 61.9 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.287 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 67.6 29.7 44.5#

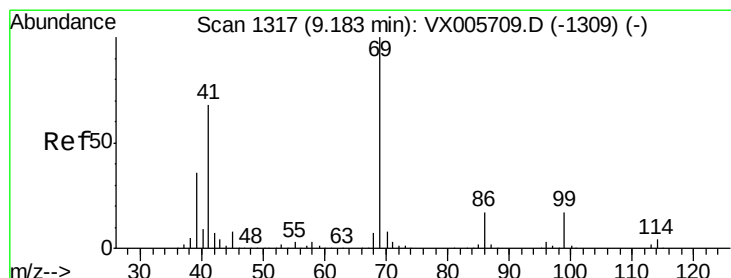
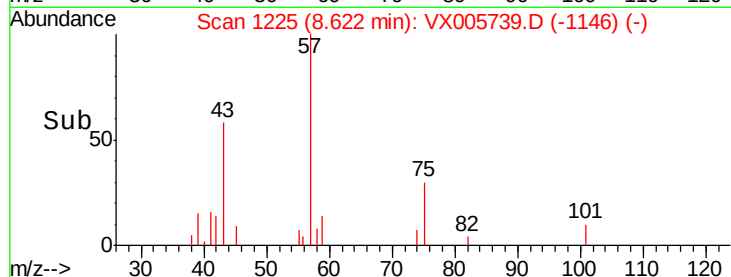
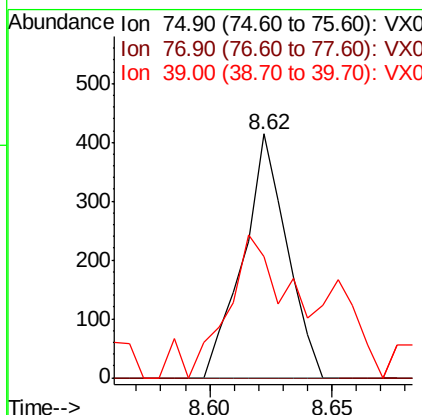
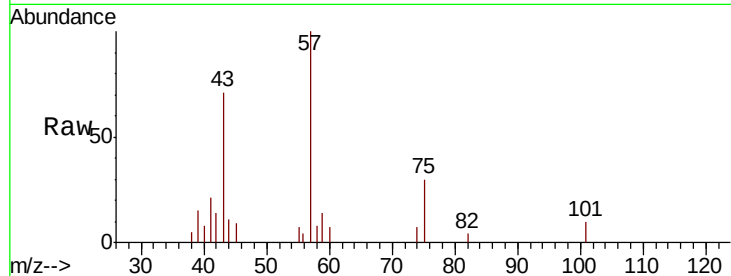




#54
 cis-1,3-Dichloropropene
 Concen: 0.239 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005739.D
 Acq: 01 Nov 2018 19:38

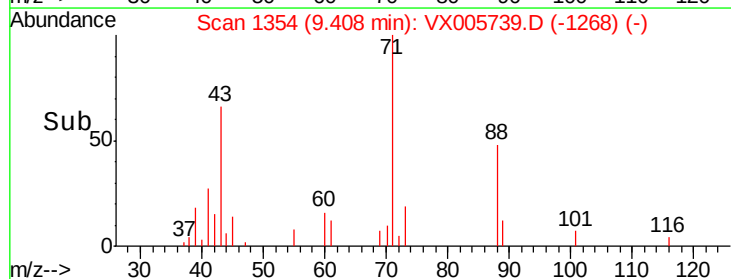
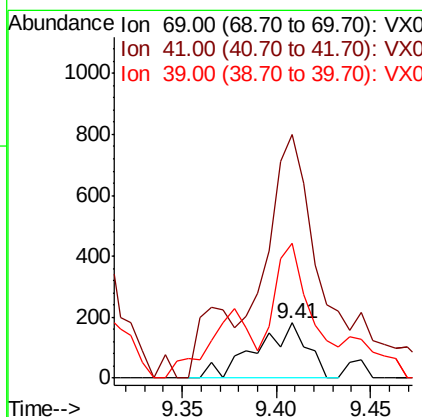
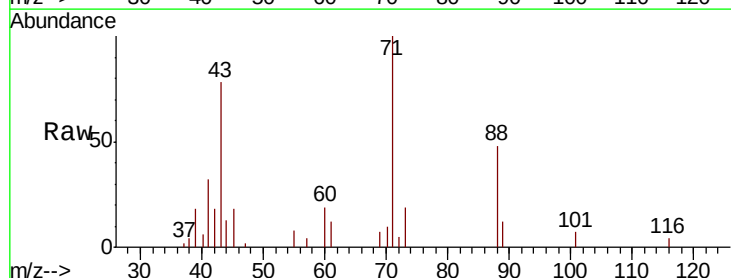
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#05

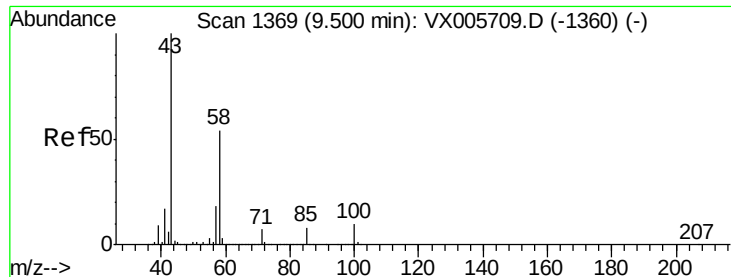
Tgt Ion: 75 Resp: 517
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 49.8 38.2 57.2



#56
 Ethyl methacrylate
 Concen: 2.603 ug/l
 RT: 9.41 min Scan# 1354
 Delta R.T. 0.23 min
 Lab File: VX005739.D
 Acq: 01 Nov 2018 19:38

Tgt Ion: 69 Resp: 337
 Ion Ratio Lower Upper
 69 100
 41 354.3 57.0 85.6#
 39 113.4 28.3 42.5#

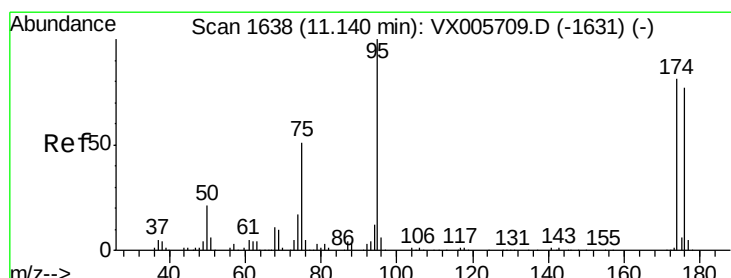
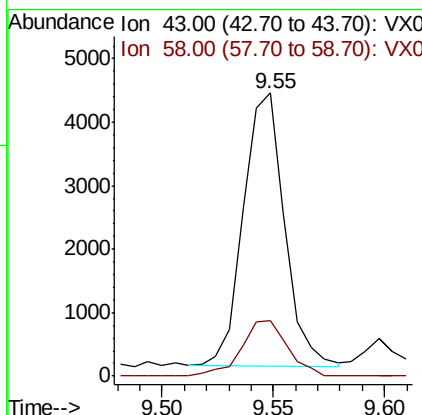
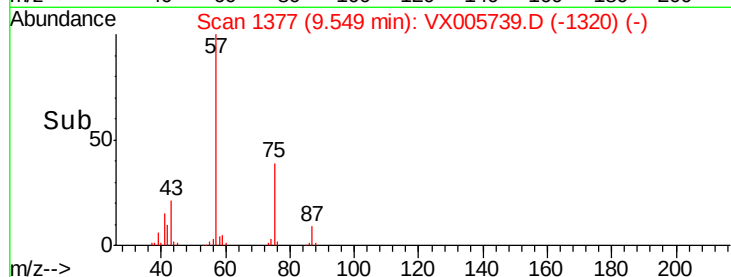
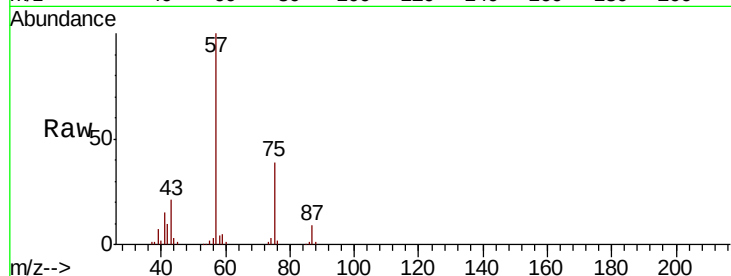




#59
2-Hexanone
Concen: 2.648 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

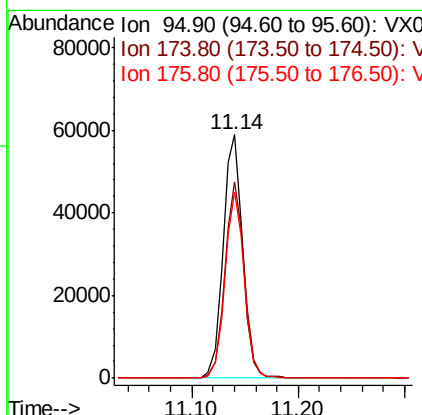
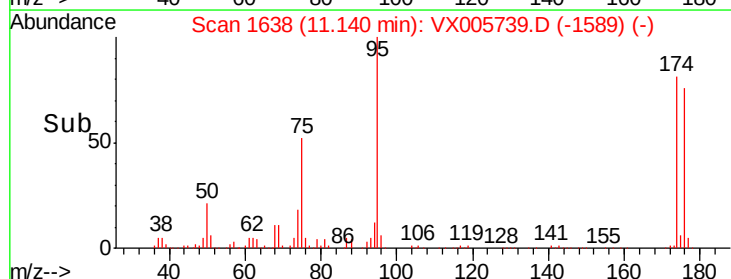
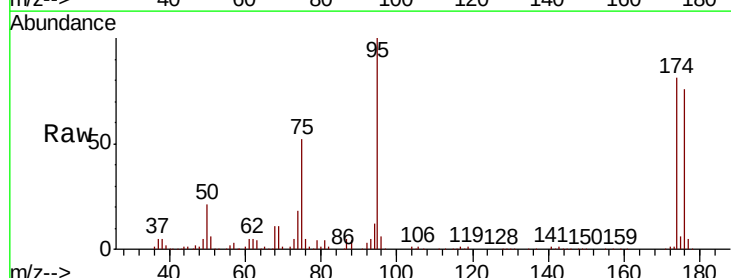
Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#05

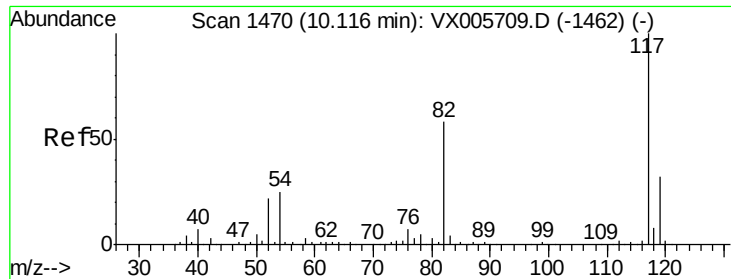
Tgt Ion: 43 Resp: 5558
Ion Ratio Lower Upper
43 100
58 22.7 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 43.727 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

Tgt Ion: 95 Resp: 75134
Ion Ratio Lower Upper
95 100
174 80.4 0.0 184.4
176 75.4 0.0 177.4

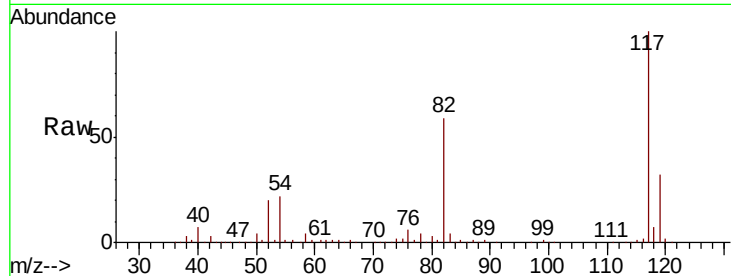




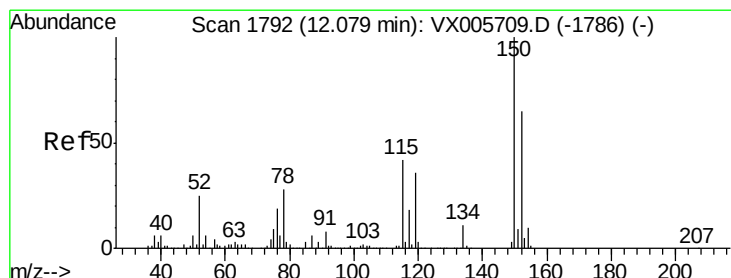
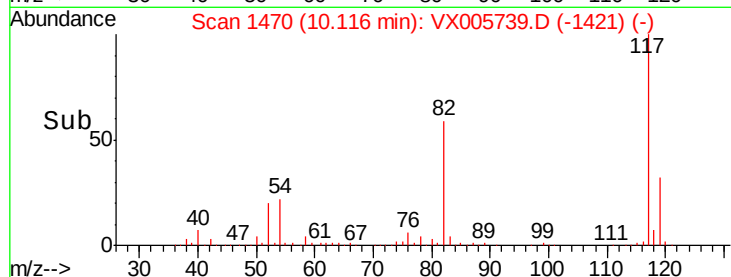
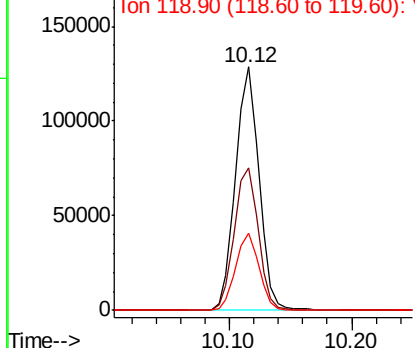
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

Instrument :
MSVOA_X
ClientSampleId :
PB114370ZHE#05

Tgt Ion:117 Resp: 170517
Ion Ratio Lower Upper
117 100
82 58.5 44.1 66.1
119 31.8 26.2 39.2

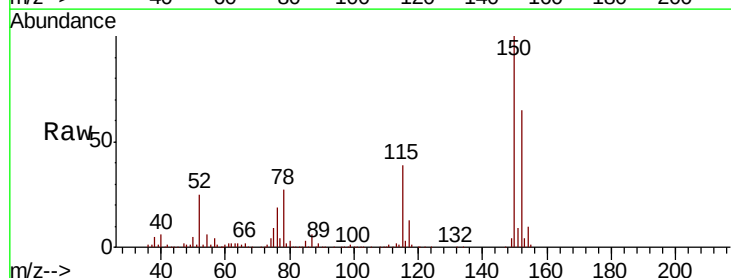


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

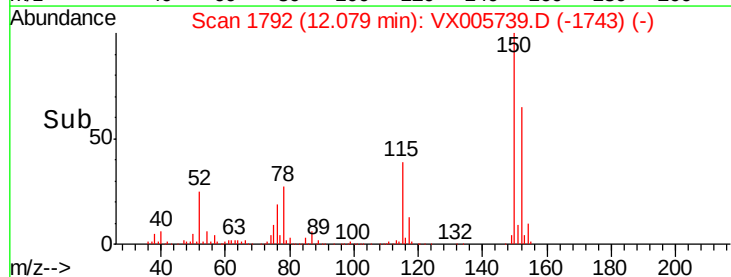
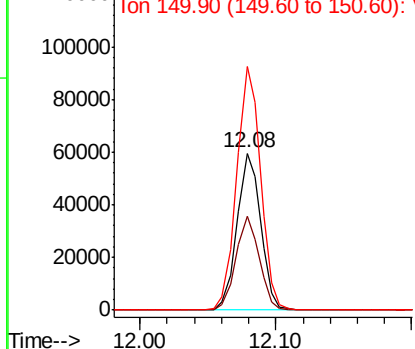


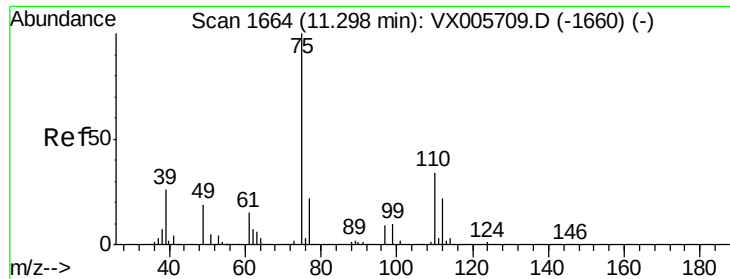
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005739.D
Acq: 01 Nov 2018 19:38

Tgt Ion:152 Resp: 71940
Ion Ratio Lower Upper
152 100
115 59.3 39.4 118.1
150 157.3 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

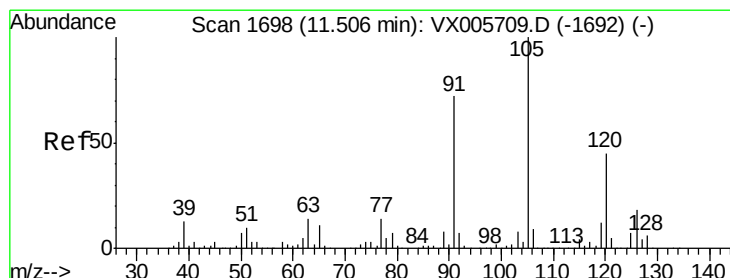
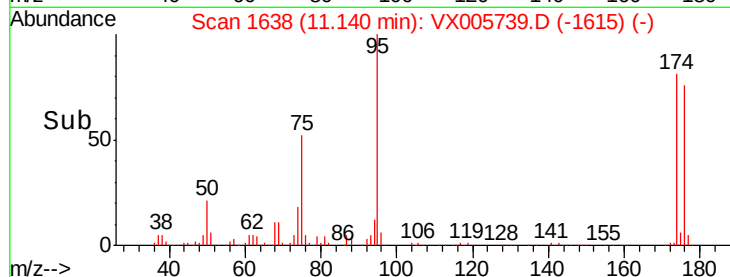
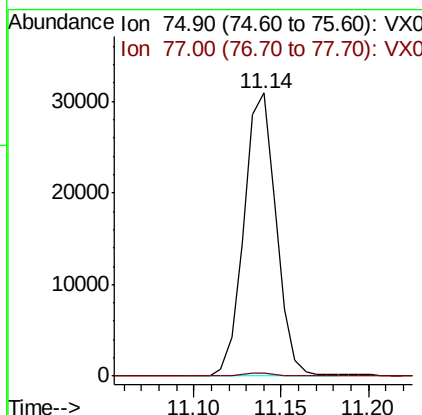
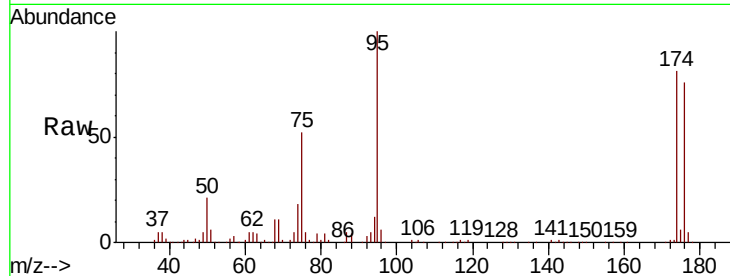




#76
 1,2,3-Trichloropropane
 Concen: 22.126 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005739.D
 Acq: 01 Nov 2018 19:38

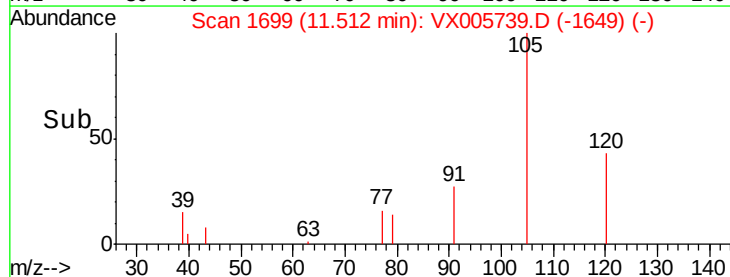
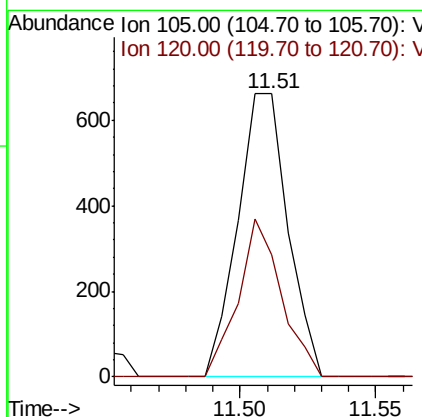
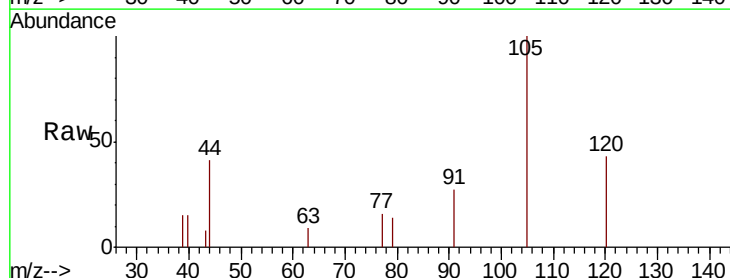
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114370ZHE#05

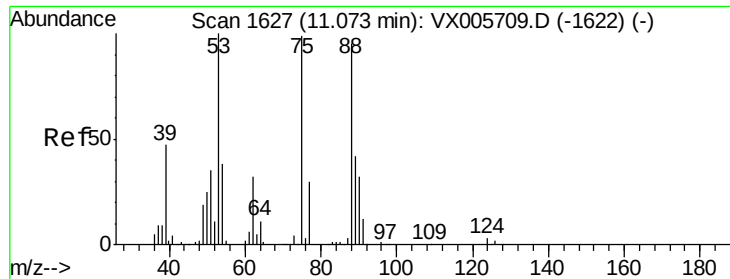
Tgt Ion: 75 Resp: 39644
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.210 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX005739.D
 Acq: 01 Nov 2018 19:38

Tgt Ion: 105 Resp: 846
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 71.487 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005739.D

Acq: 01 Nov 2018 19:38

Instrument :

MSVOA_X

ClientSampleId :

PB114370ZHE#05

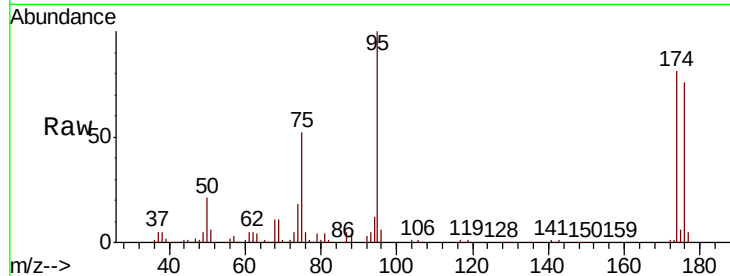
Tgt Ion: 75 Resp: 39644

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#

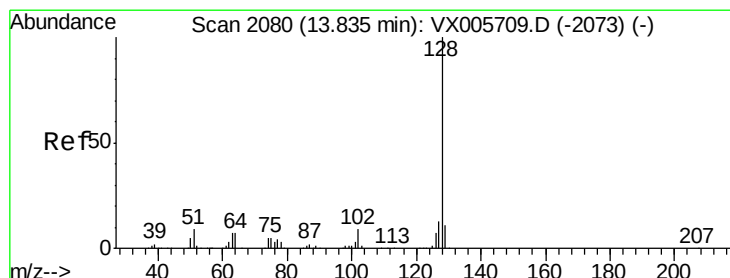
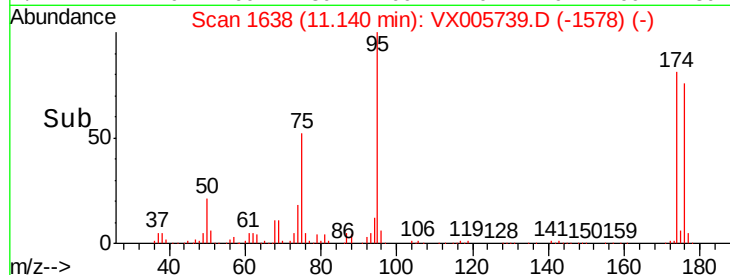
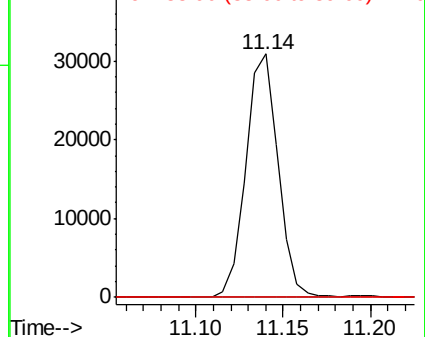


Abundance

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



#95

Naphthalene

Concen: 0.214 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005739.D

Acq: 01 Nov 2018 19:38

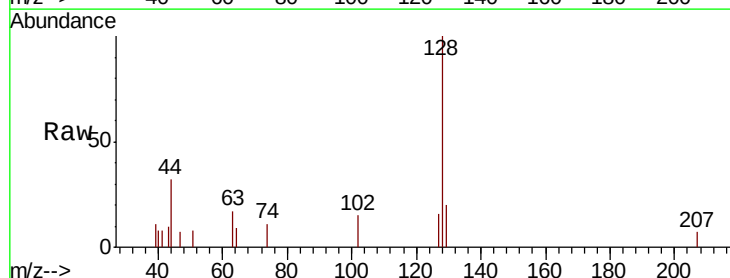
Tgt Ion: 128 Resp: 1073

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 13.6 8.7 13.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

