

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005009.D
 Acq On : 04 Oct 2018 10:01
 Operator : JC/MD
 Sample : PB113446ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113446ZHE#01

Quant Time: Oct 04 11:37:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	429739	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	408457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231252	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	188334	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
35) Dibromofluoromethane	5.51	113	161711	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
50) Toluene-d8	8.72	98	596081	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.14	95	219842	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	200	Below Cal	#	17
11) Tert butyl alcohol	3.02	59	7964	7.566	ug/l #	84
13) Acrolein	2.29	56	154	0.206	ug/l	87
16) Acetone	2.45	43	22925	10.431	ug/l	95
18) Methyl Acetate	2.78	43	13989	2.512	ug/l	99
20) Methylene Chloride	2.86	84	8123	1.732	ug/l	92
25) 2-Butanone	4.71	43	8209	2.534	ug/l	99
29) Tetrahydrofuran	5.17	42	2424	1.204	ug/l #	90
36) 1,1-Dichloropropene	5.67	75	17482	3.518	ug/l #	46
37) Ethyl Acetate	4.71	43	8209	1.245	ug/l #	69
38) Carbon Tetrachloride	5.67	117	23291	4.459	ug/l #	17
43) Isopropyl Acetate	6.46	43	239654	25.173	ug/l	96
48) Methyl methacrylate	7.68	41	8397	1.943	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	2544	0.424	ug/l #	37
52) Toluene	8.79	92	2812	0.329	ug/l	93
54) cis-1,3-Dichloropropene	8.62	75	1576	0.297	ug/l #	63
56) Ethyl methacrylate	9.07	69	93	2.877	ug/l #	47
58) 2-Chloroethyl Vinyl ether	8.47	63	42	14.254	ug/l #	49
59) 2-Hexanone	9.45	43	1733	0.347	ug/l #	23
68) m/p-Xylenes	10.36	106	5101	0.785	ug/l	96
69) o-Xylene	10.70	106	2718	0.455	ug/l	96
70) Styrene	10.70	104	371	2.172	ug/l #	1
74) N-ethyl acetate	10.89	43	43	1.753	ug/l #	9
76) 1,2,3-Trichloropropane	11.14	75	106792	20.603	ug/l #	35
79) 2-Chlorotoluene	11.43	91	2221	0.213	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	14577	0.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	106792	55.947	ug/l #	10
83) tert-Butylbenzene	12.02	119	4880	0.407	ug/l	70
84) 1,2,4-Trimethylbenzene	11.81	105	98039	6.946	ug/l	99
85) sec-Butylbenzene	11.81	105	98039	6.707	ug/l #	57
86) p-Isopropyltoluene	12.02	119	4880	0.368	ug/l	92
89) n-Butylbenzene	12.38	91	31542	2.622	ug/l #	7
90) Hexachloroethane	12.58	117	7659	3.473	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.97	75	425	0.326	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

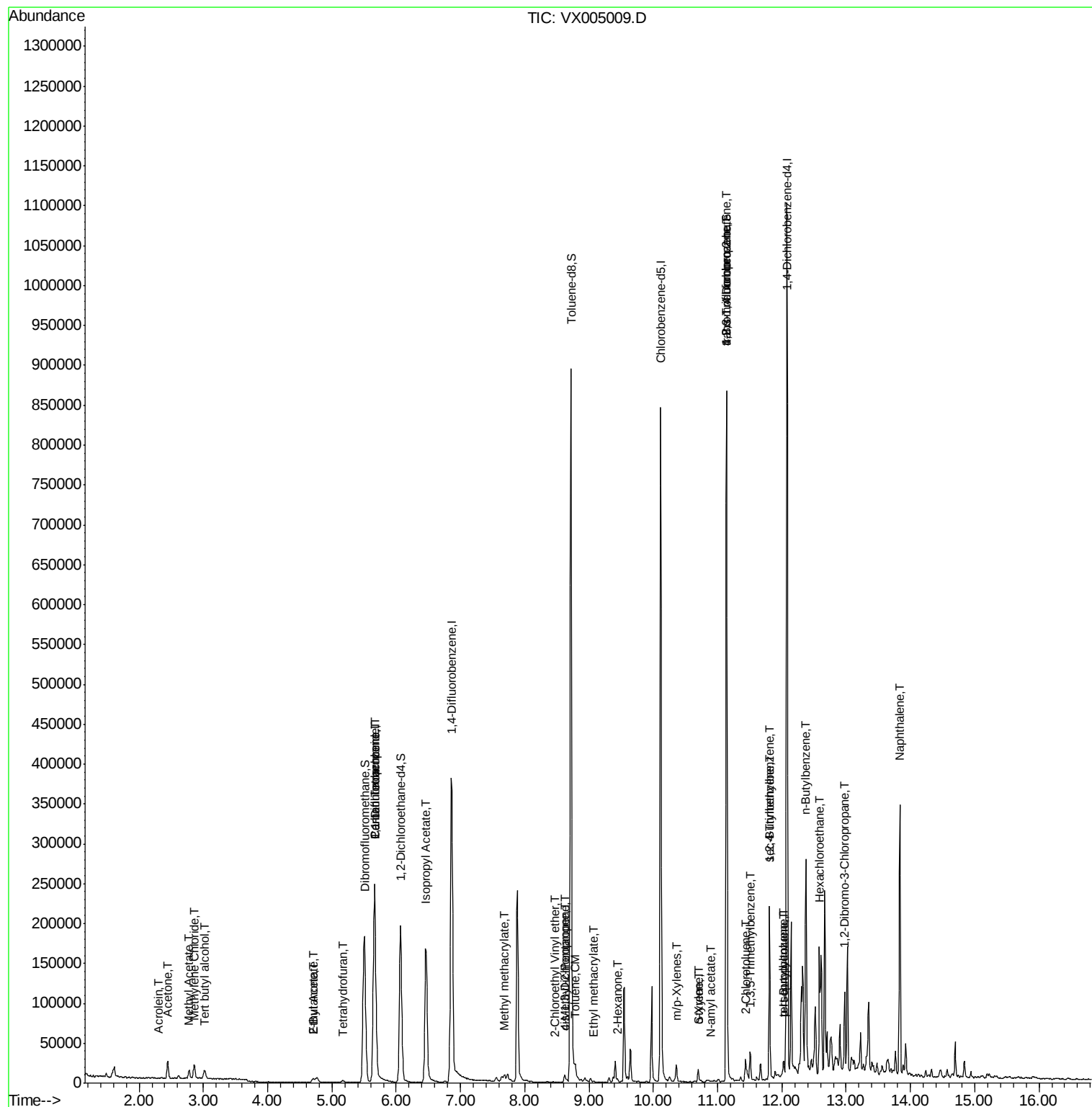
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.83	128	202265	11.083	ug/l	100

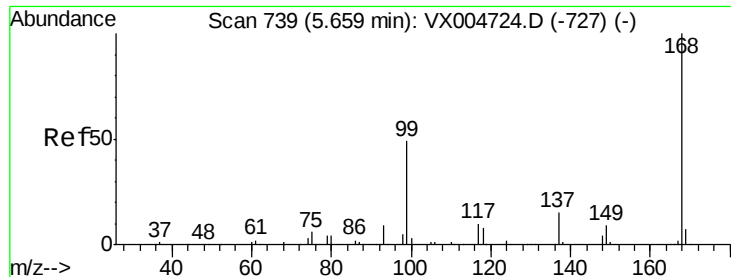
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

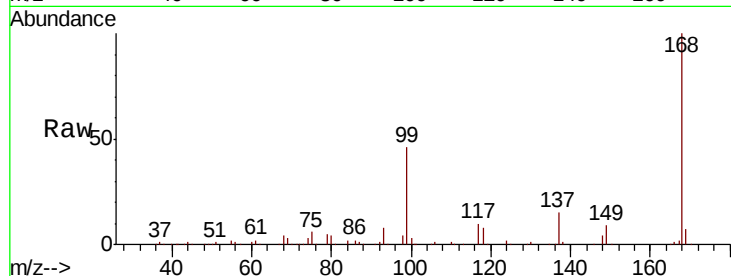
PB113446ZHE#01

Tot Ion:168 Resp: 263520

Ion Ratio Lower Upper

168 100

99 46.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

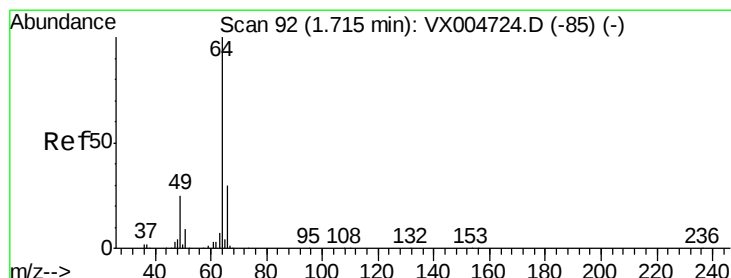
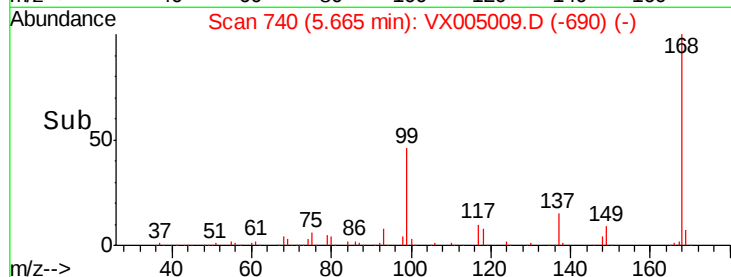
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX005009.D

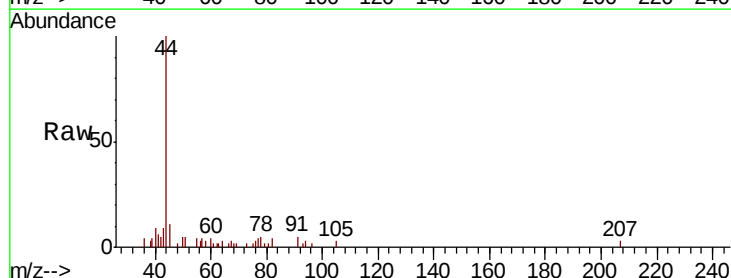
Acq: 04 Oct 2018 10:01

Tgt Ion: 64 Resp: 200

Ion Ratio Lower Upper

64 100

66 74.2 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

200

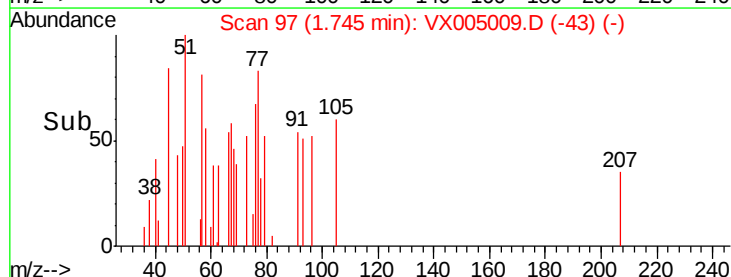
150

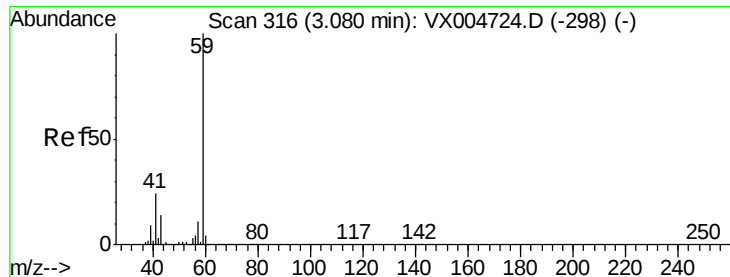
100

50

0

Time-->

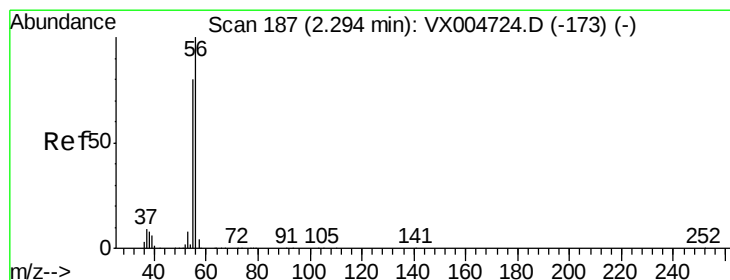
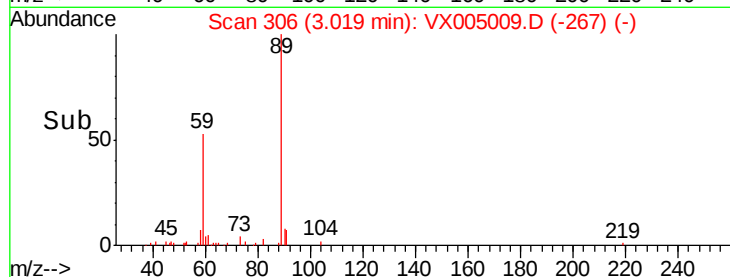
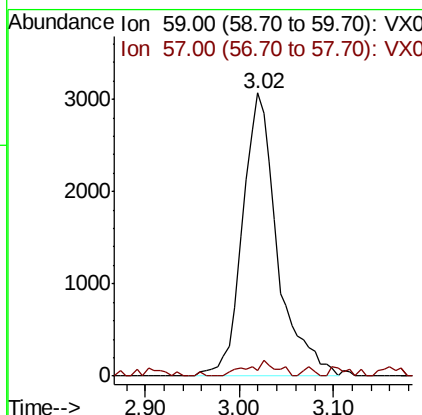
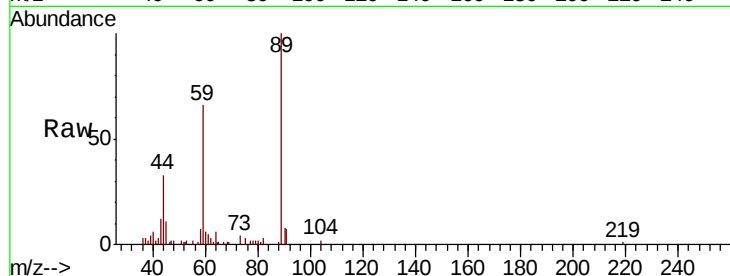




#11
Tert butyl alcohol
Concen: 7.566 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

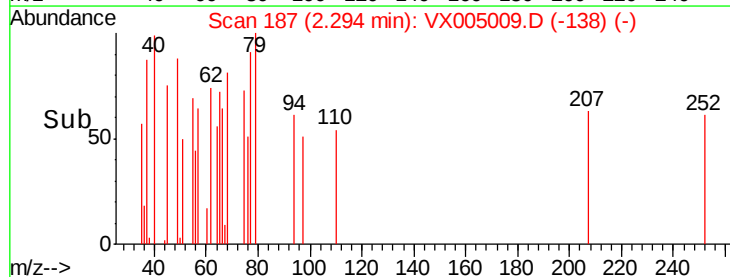
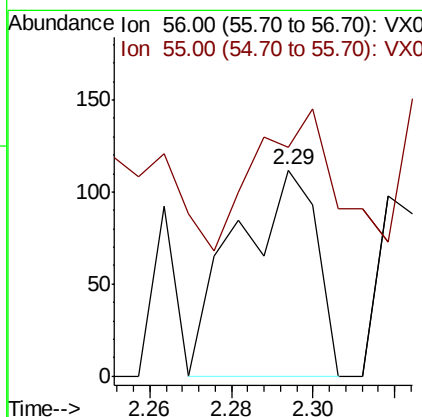
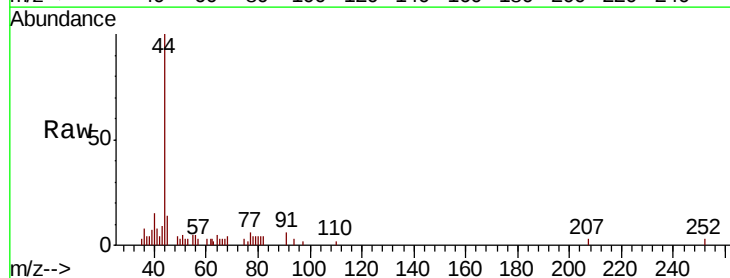
Instrument :
MSVOA_X
ClientSampleId :
PB113446ZHE#01

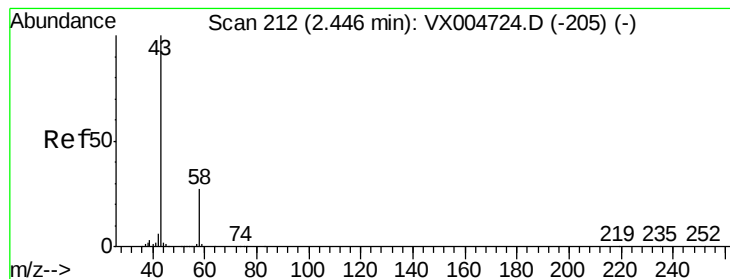
Tot Ion: 59 Resp: 7964
Ion Ratio Lower Upper
59 100
57 4.6 8.6 12.8#



#13
Acrolein
Concen: 0.206 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 67.5 63.4 95.2





#16

Acetone

Concen: 10.431 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

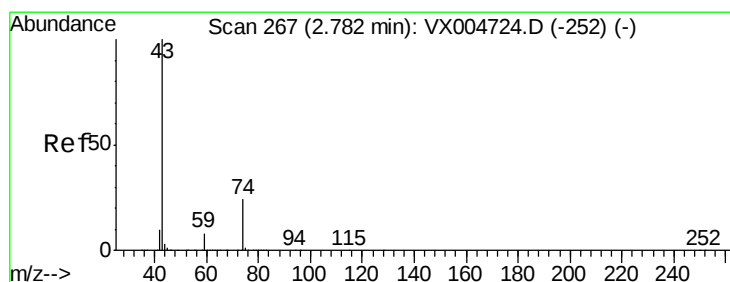
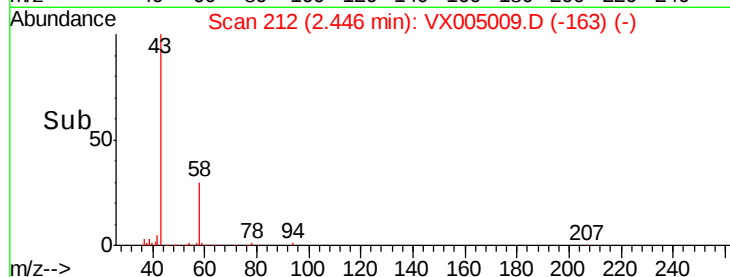
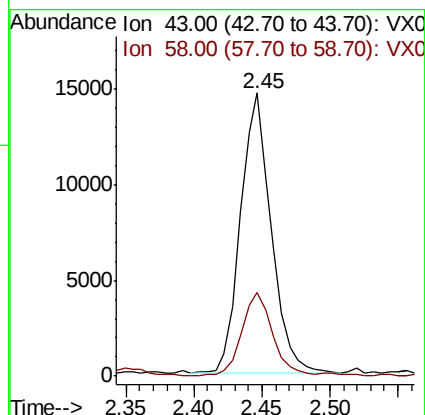
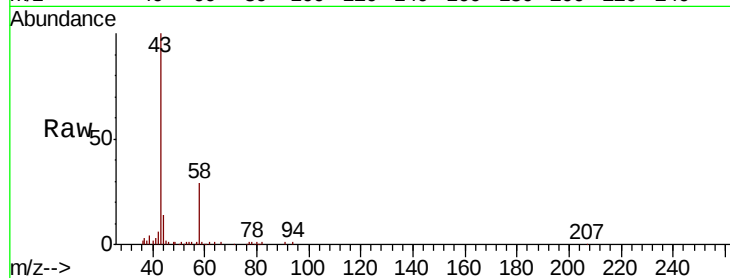
PB113446ZHE#01

Tot Ion: 43 Resp: 22925

Ion Ratio Lower Upper

43 100

58 29.7 21.8 32.6



#18

Methyl Acetate

Concen: 2.512 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005009.D

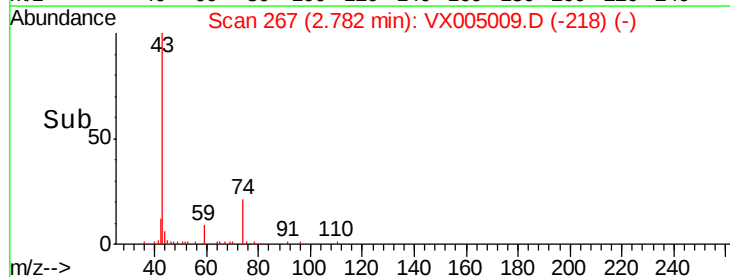
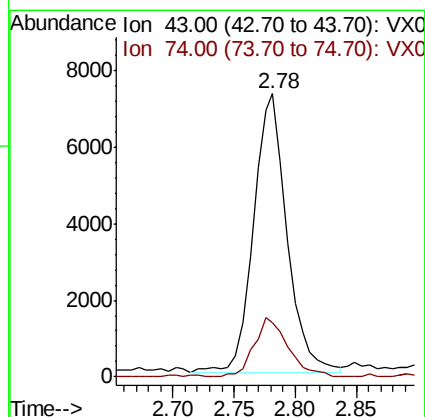
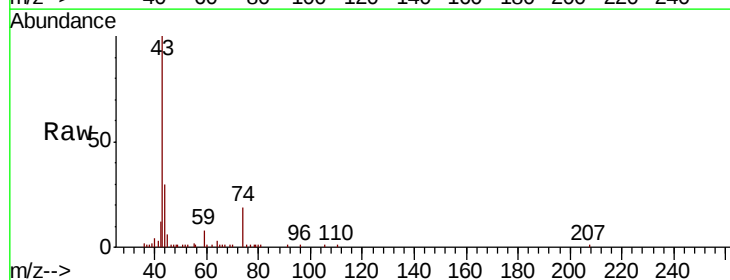
Acq: 04 Oct 2018 10:01

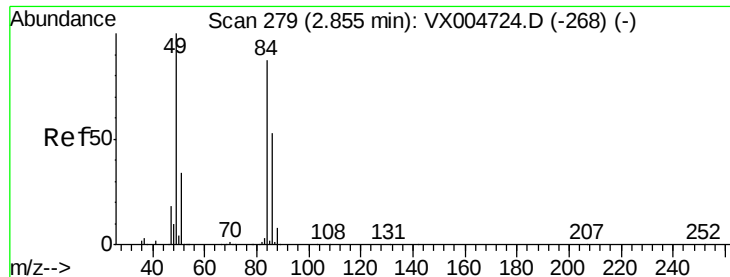
Tgt Ion: 43 Resp: 13989

Ion Ratio Lower Upper

43 100

74 21.7 17.8 26.8





#20

Methylene Chloride

Concen: 1.732 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

PB113446ZHE#01

Tot Ion: 84 Resp: 8123

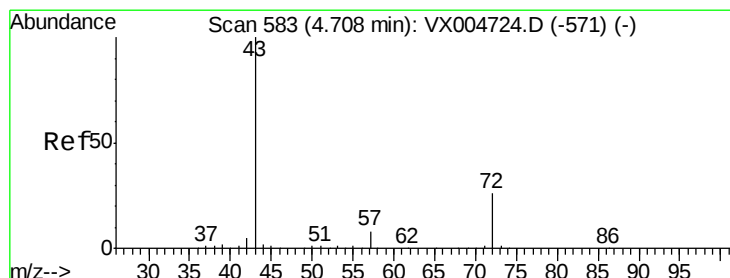
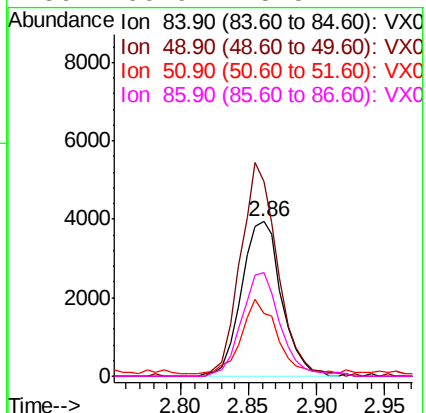
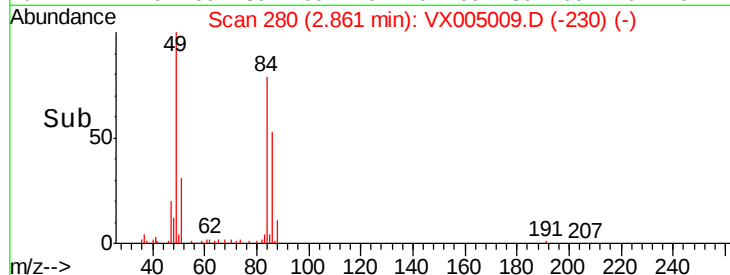
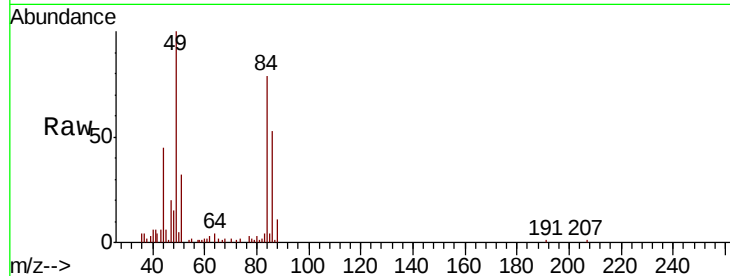
Ion Ratio Lower Upper

84 100

49 126.4 92.3 138.5

51 38.7 31.8 47.6

86 66.9 48.5 72.7



#25

2-Butanone

Concen: 2.534 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005009.D

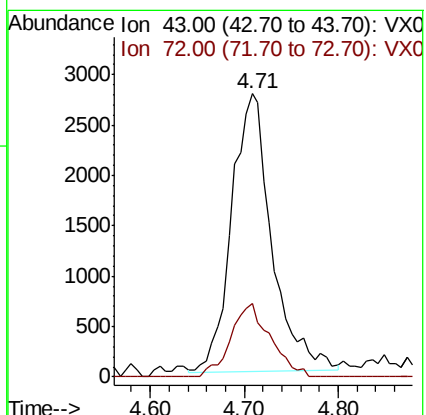
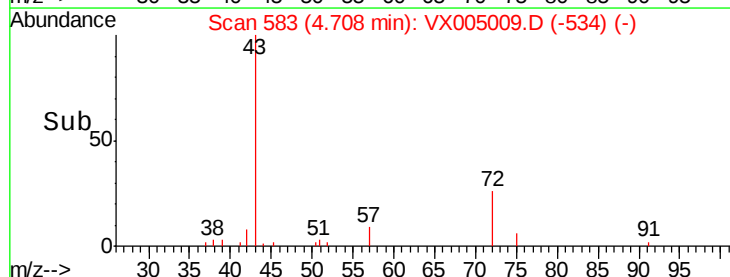
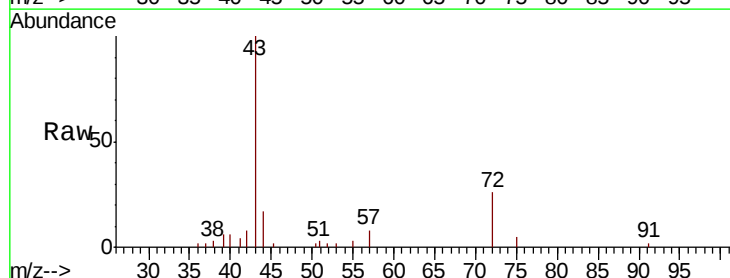
Acq: 04 Oct 2018 10:01

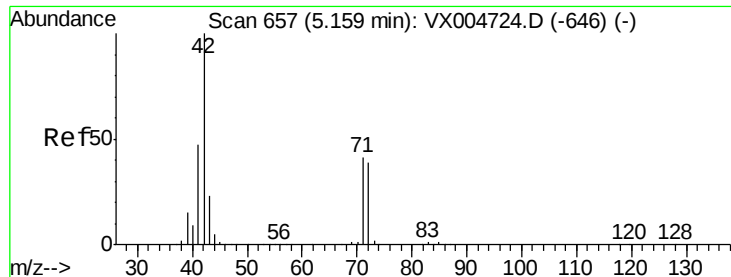
Tgt Ion: 43 Resp: 8209

Ion Ratio Lower Upper

43 100

72 26.6 20.8 31.2





#29

Tetrahydrofuran

Concen: 1.204 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

PB113446ZHE#01

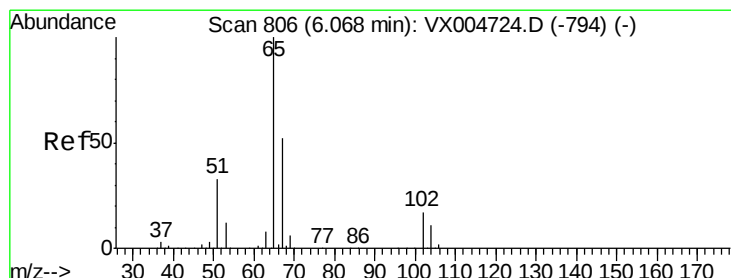
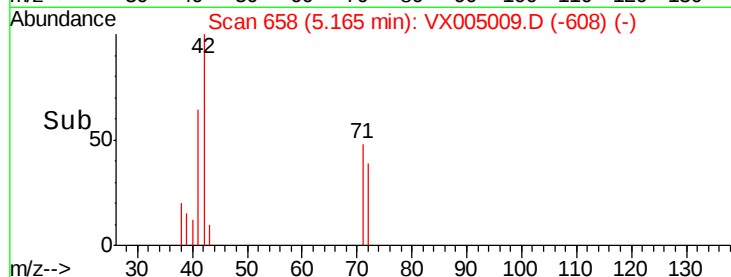
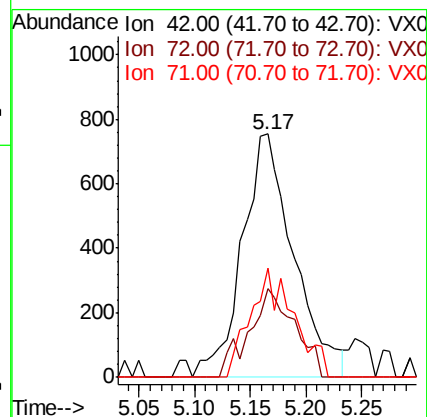
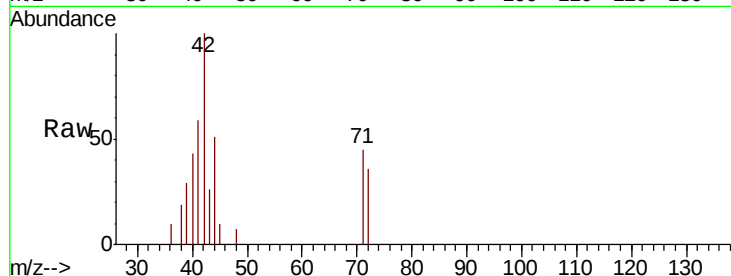
Tot Ion: 42 Resp: 2424

Ion Ratio Lower Upper

42 100

72 32.3 33.7 50.5#

71 37.9 32.2 48.4



#33

1,2-Dichloroethane-d4

Concen: 50.030 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005009.D

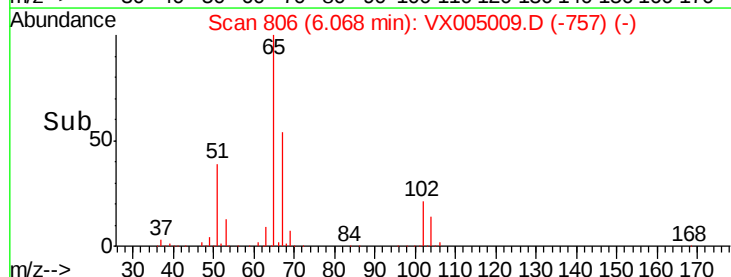
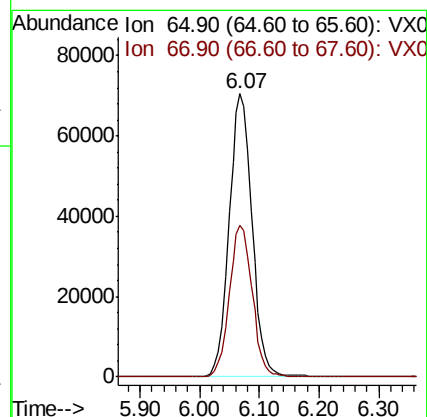
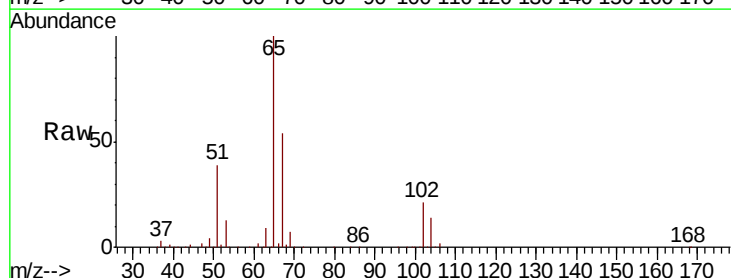
Acq: 04 Oct 2018 10:01

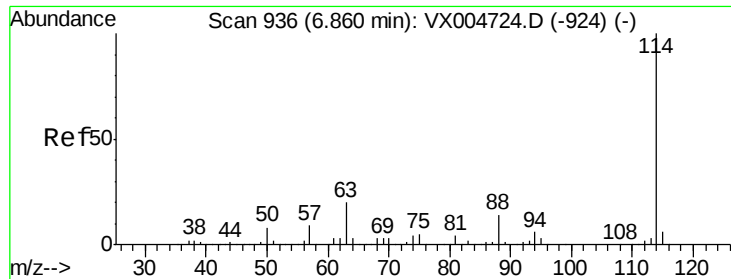
Tgt Ion: 65 Resp: 188334

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.4

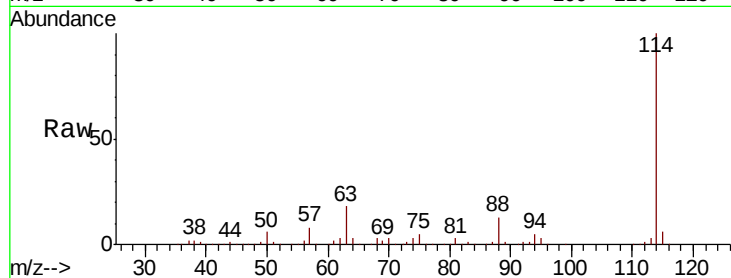




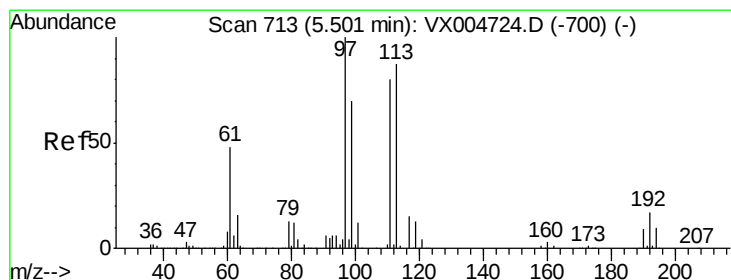
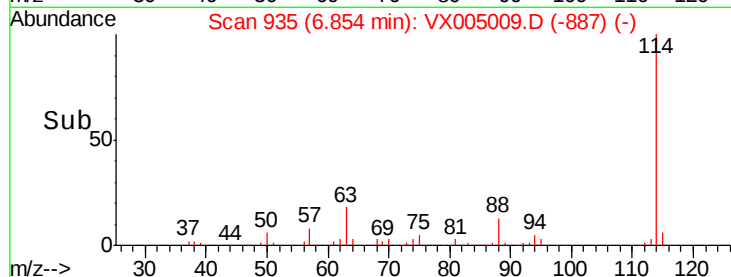
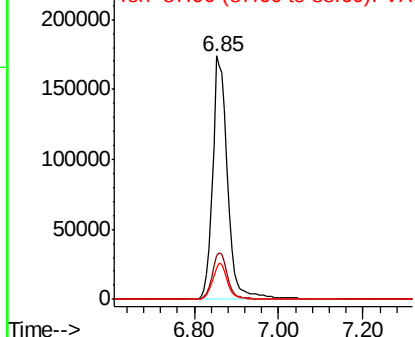
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005009.D
 Acq: 04 Oct 2018 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113446ZHE#01

Tot Ion:114 Resp: 429739
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.8
 88 12.8 0.0 27.0

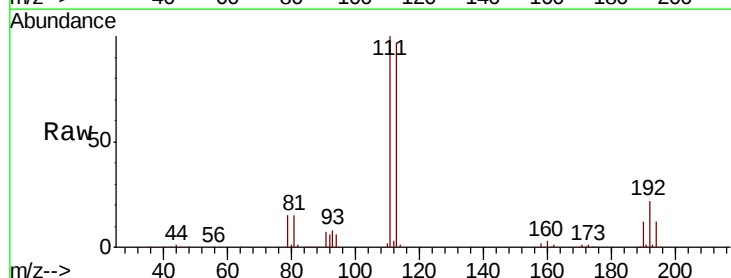


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

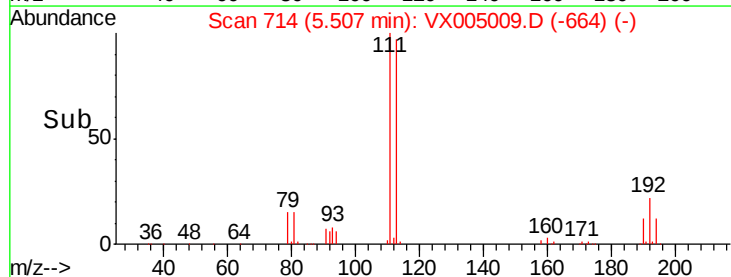
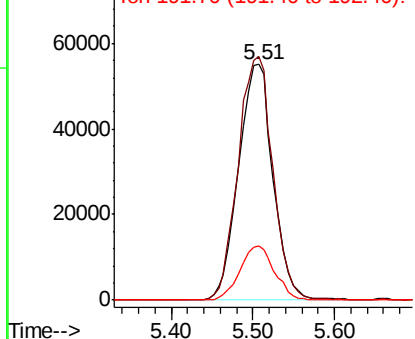


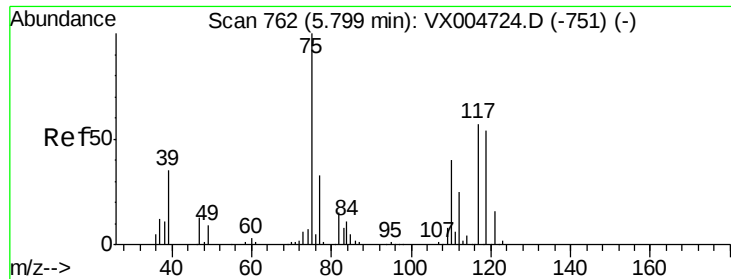
#35
 Dibromofluoromethane
 Concen: 44.401 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005009.D
 Acq: 04 Oct 2018 10:01

Tgt Ion:113 Resp: 161711
 Ion Ratio Lower Upper
 113 100
 111 103.8 77.0 115.4
 192 23.2 17.0 25.6



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: 3.518 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

PB113446ZHE#01

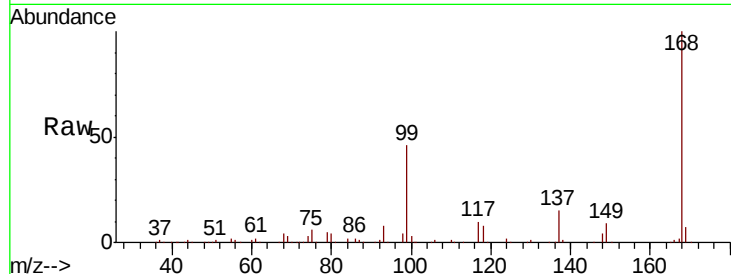
Tot Ion: 75 Resp: 17482

Ion Ratio Lower Upper

75 100

110 8.9 20.0 59.9#

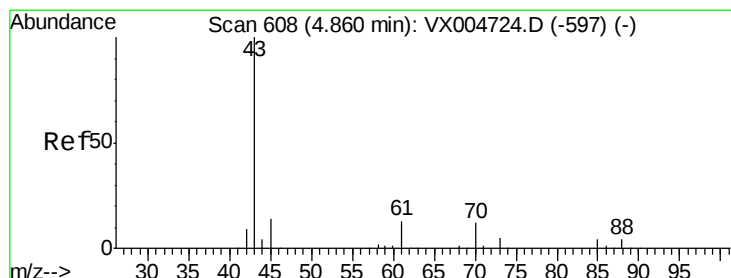
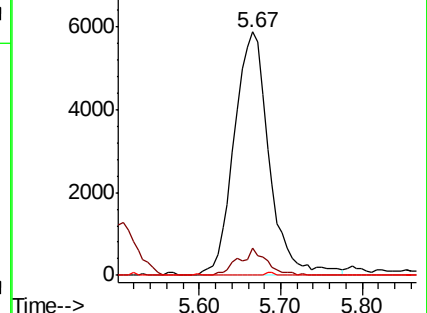
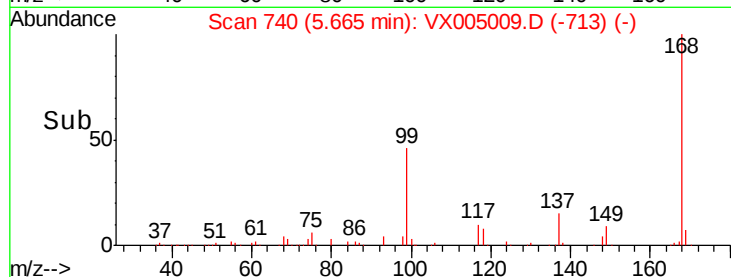
77 0.3 27.1 40.7#



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



#37

Ethyl Acetate

Concen: 1.245 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

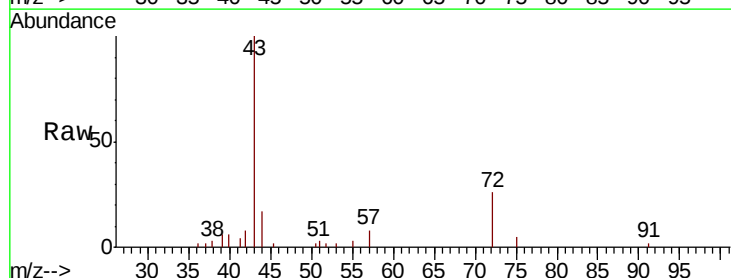
Tgt Ion: 43 Resp: 8209

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

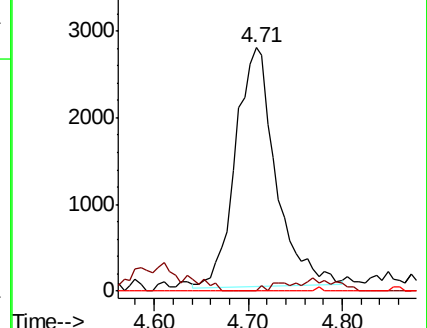
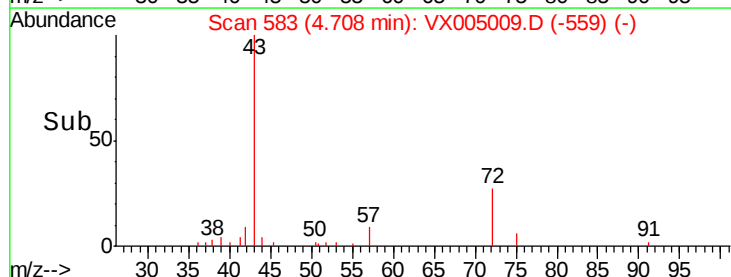
70 0.0 8.7 13.1#

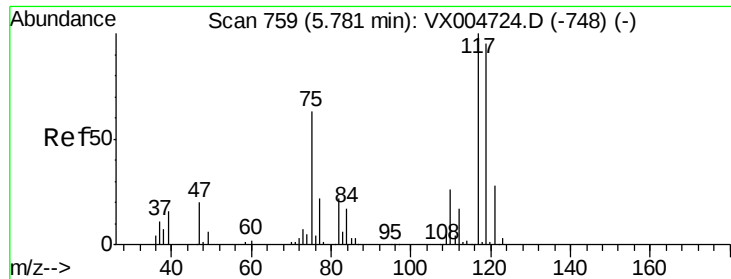


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 4.459 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

PB113446ZHE#01

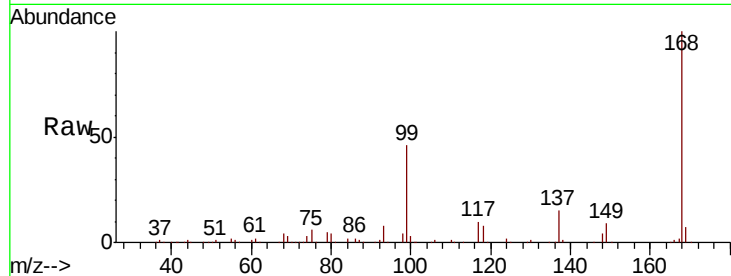
Tot Ion:117 Resp: 23291

Ion Ratio Lower Upper

117 100

119 5.0 75.2 112.8#

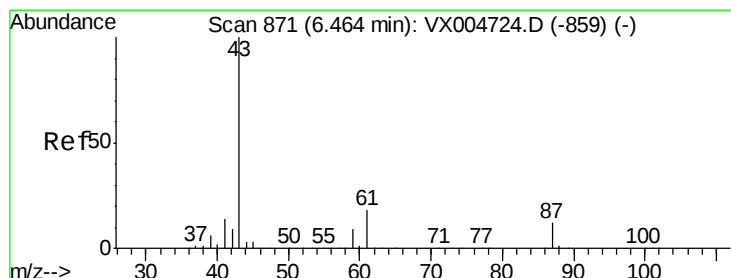
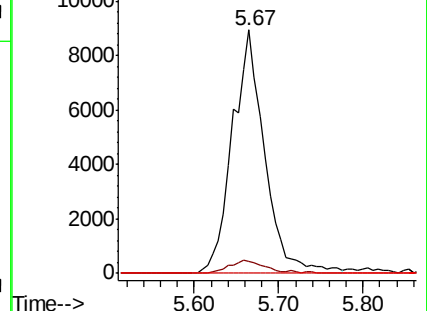
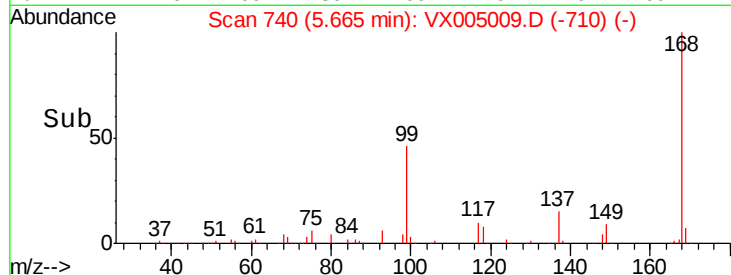
121 0.0 22.5 33.7#



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: 25.173 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

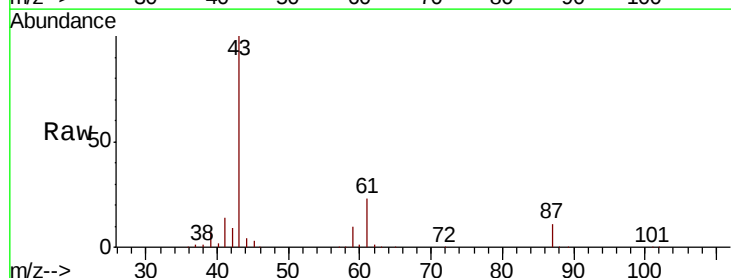
Tgt Ion: 43 Resp: 239654

Ion Ratio Lower Upper

43 100

61 20.0 14.2 21.4

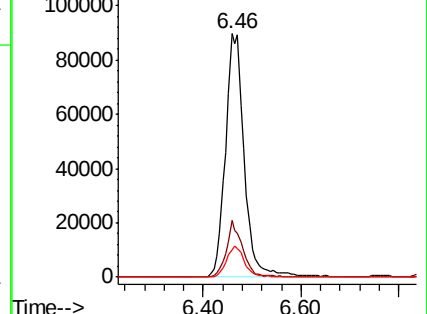
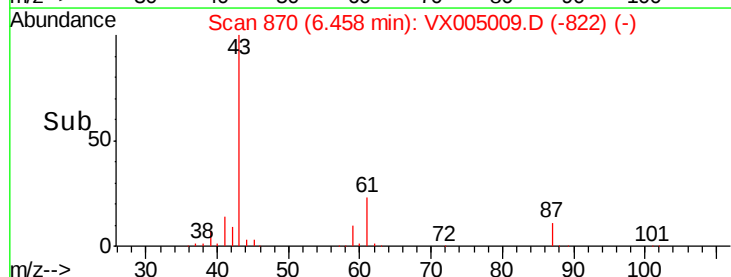
87 12.0 9.3 13.9

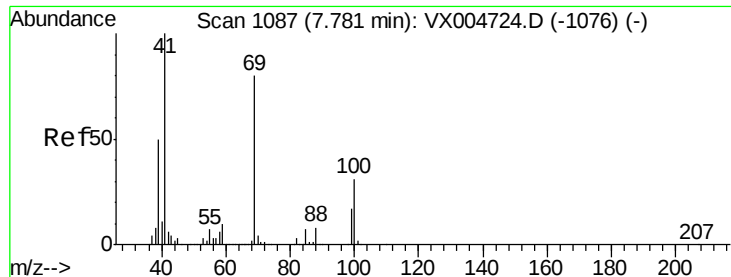


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

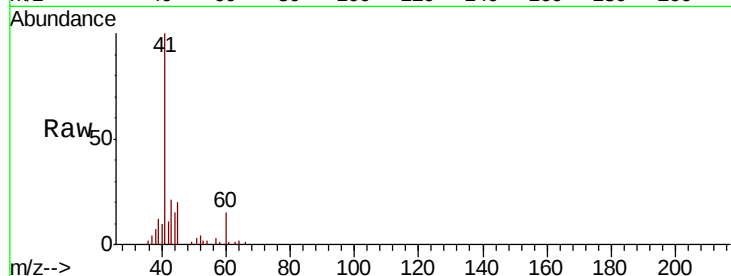




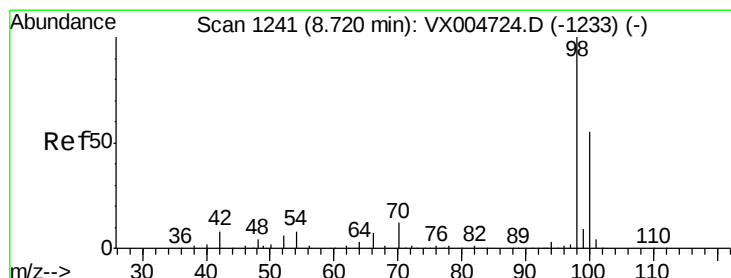
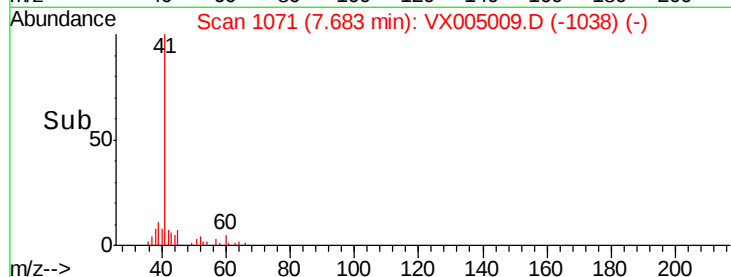
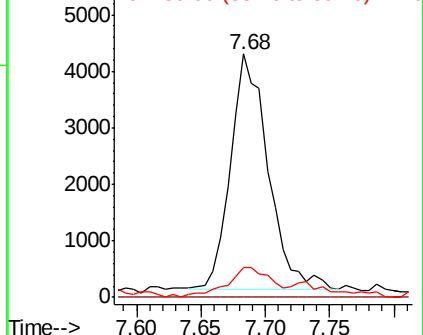
#48
Methyl methacrylate
Concen: 1.943 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.10 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

Instrument :
MSVOA_X
ClientSampleId :
PB113446ZHE#01

Tot Ion: 41 Resp: 8397
Ion Ratio Lower Upper
41 100
69 0.0 63.8 95.6#
39 15.1 40.7 61.1#

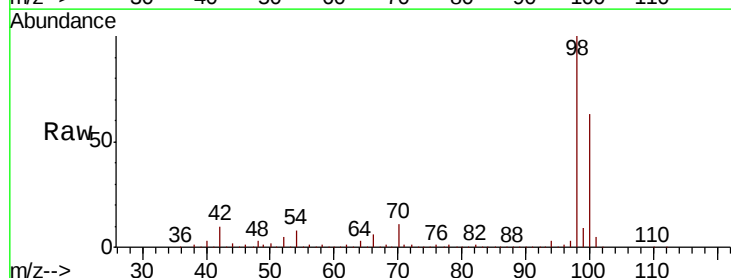


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

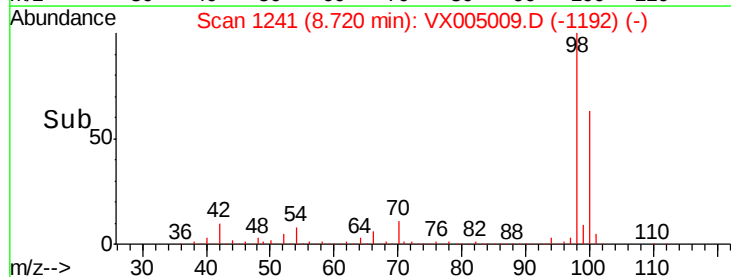
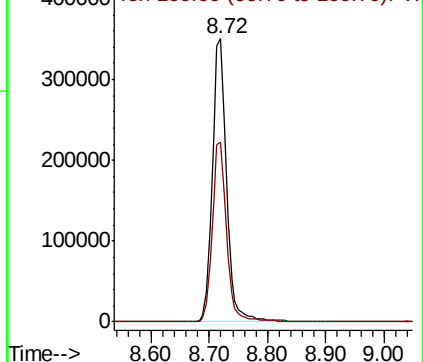


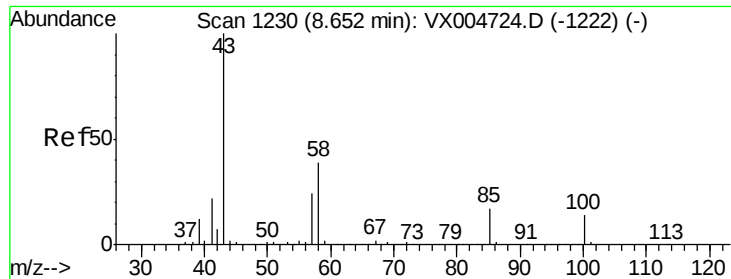
#50
Toluene-d8
Concen: 49.230 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

Tgt Ion: 98 Resp: 596081
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



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: 0.424 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.03 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

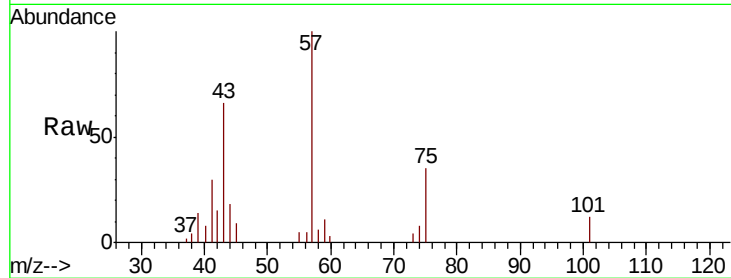
PB113446ZHE#01

Tot Ion: 43 Resp: 2544

Ion Ratio Lower Upper

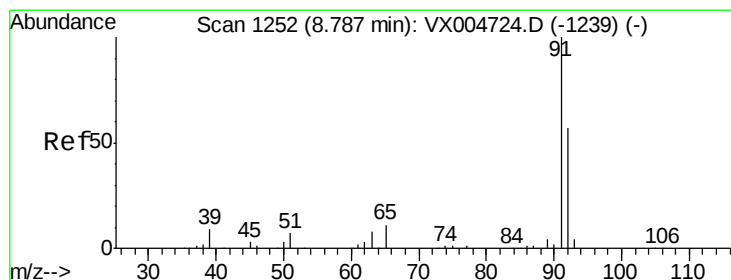
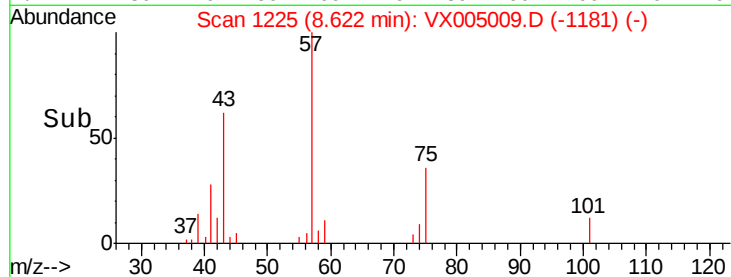
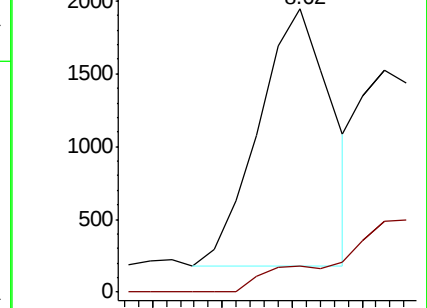
43 100

58 0.0 30.5 45.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.329 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005009.D

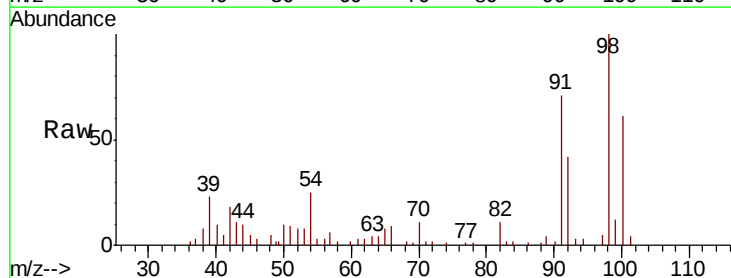
Acq: 04 Oct 2018 10:01

Tgt Ion: 92 Resp: 2812

Ion Ratio Lower Upper

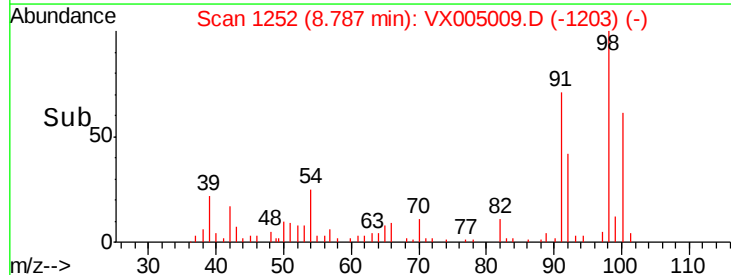
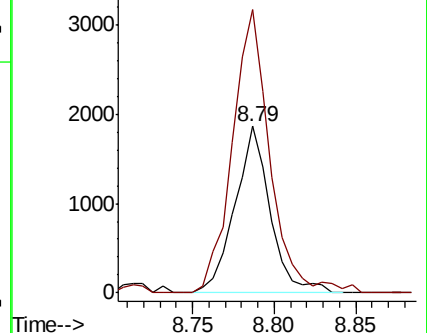
92 100

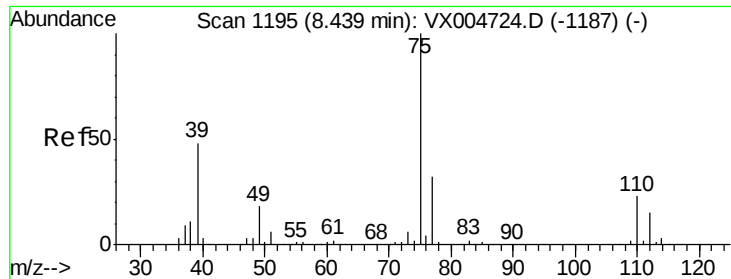
91 180.5 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

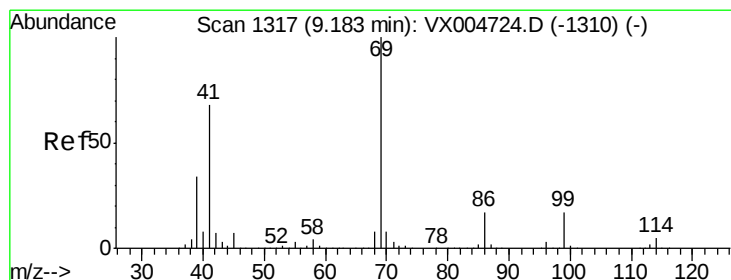
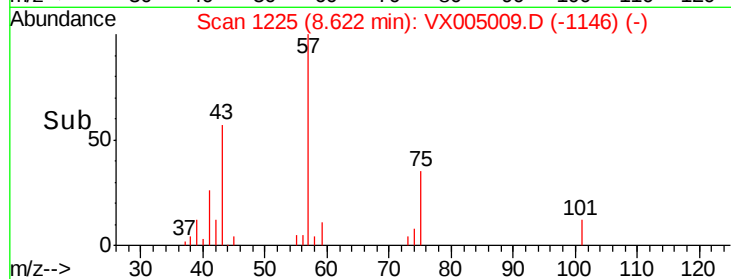
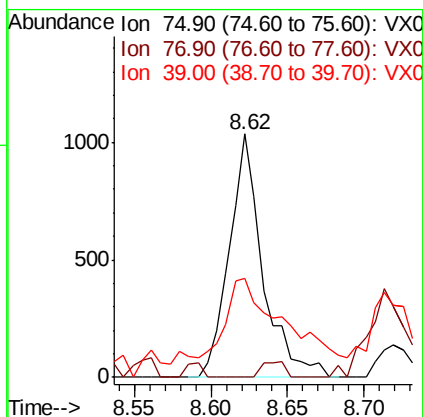
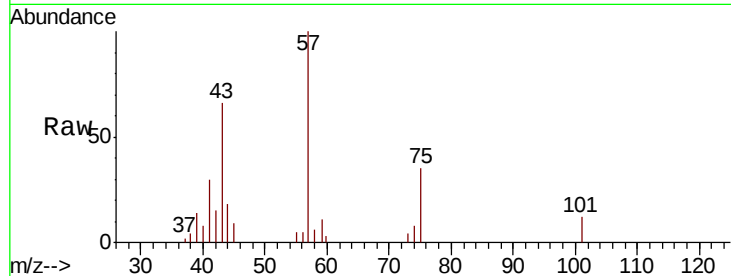




#54
 cis-1,3-Dichloropropene
 Concen: 0.297 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005009.D
 Acq: 04 Oct 2018 10:01

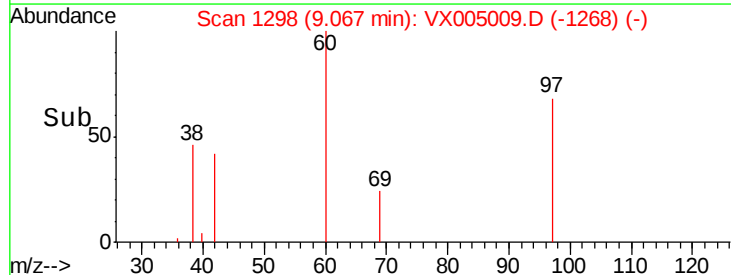
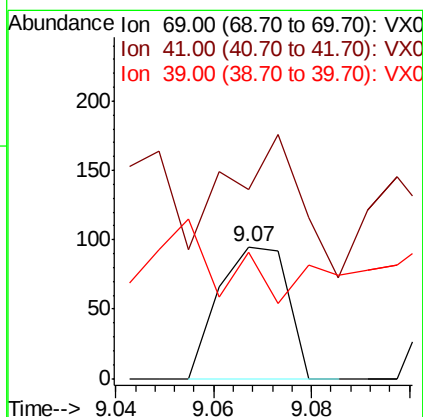
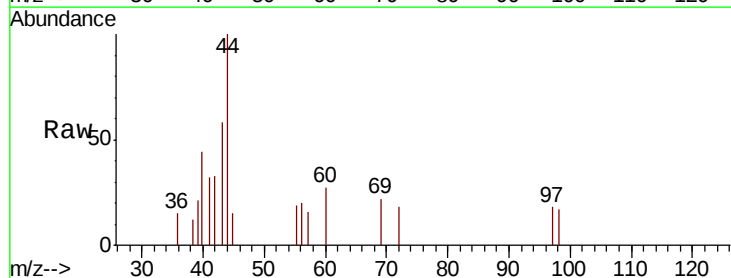
Instrument :
 MSVOA_X
 ClientSampleId :
 PB113446ZHE#01

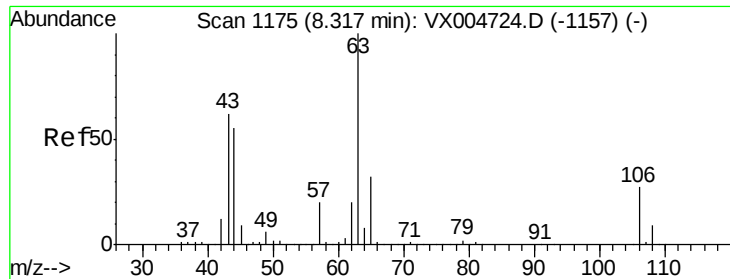
Tot Ion: 75 Resp: 1576
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#
 39 31.9 38.3 57.5#



#56
 Ethyl methacrylate
 Concen: 2.877 ug/l
 RT: 9.07 min Scan# 1298
 Delta R.T. -0.12 min
 Lab File: VX005009.D
 Acq: 04 Oct 2018 10:01

Tgt Ion: 69 Resp: 93
 Ion Ratio Lower Upper
 69 100
 41 111.8 56.9 85.3#
 39 0.0 28.4 42.6#

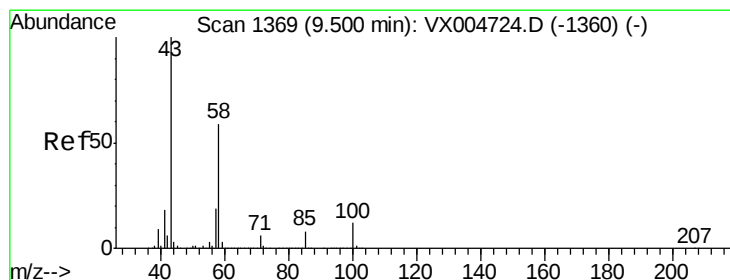
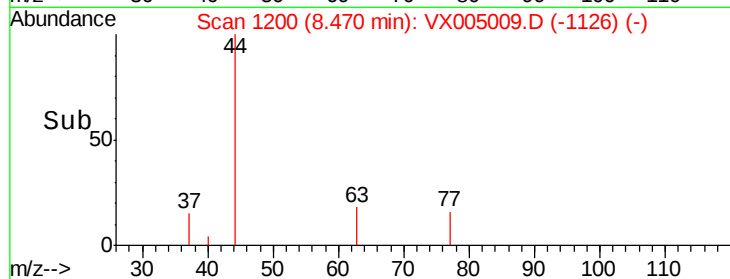
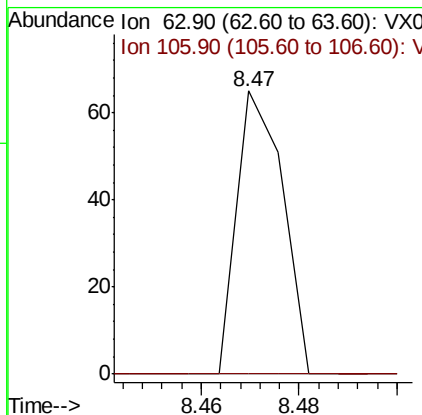
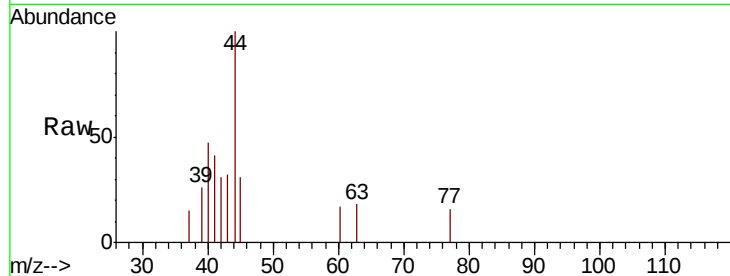




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.254 ug/l
 RT: 8.47 min Scan# 1200
 Delta R.T. 0.15 min
 Lab File: VX005009.D
 Acq: 04 Oct 2018 10:01

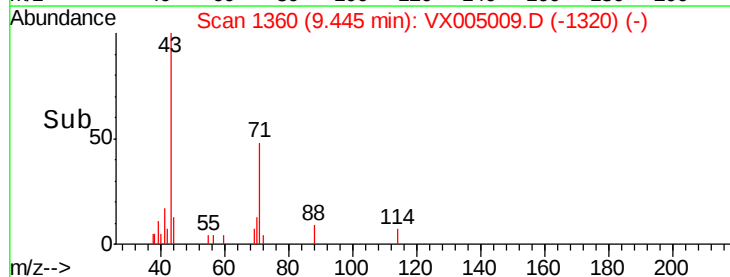
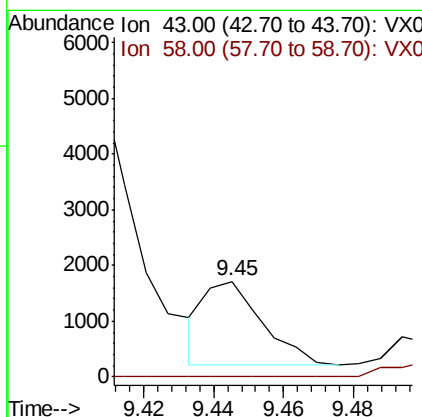
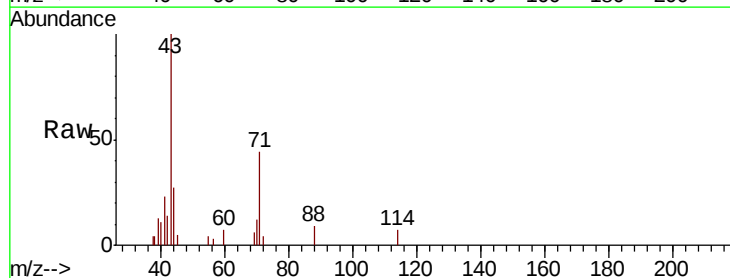
Instrument :
 MSVOA_X
 ClientSampleId :
 PB113446ZHE#01

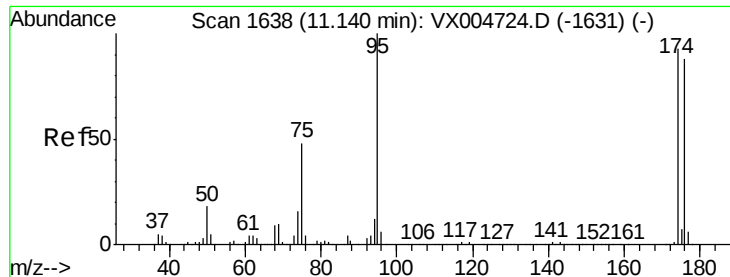
Tot Ion: 63 Resp: 42
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#59
 2-Hexanone
 Concen: 0.347 ug/l
 RT: 9.45 min Scan# 1360
 Delta R.T. -0.05 min
 Lab File: VX005009.D
 Acq: 04 Oct 2018 10:01

Tgt Ion: 43 Resp: 1733
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.4 85.3#





#62

4-Bromofluorobenzene

Concen: 50.399 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

PB113446ZHE#01

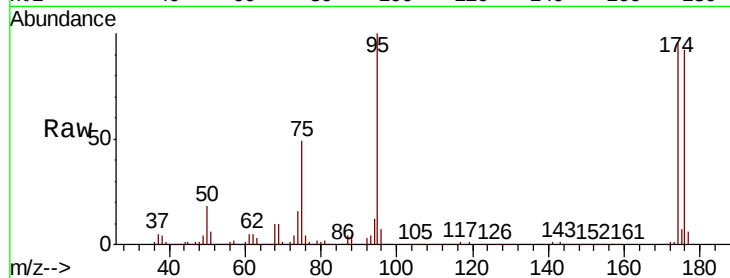
Tot Ion: 95 Resp: 219842

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.0

176 88.6 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)

11.14

200000

150000

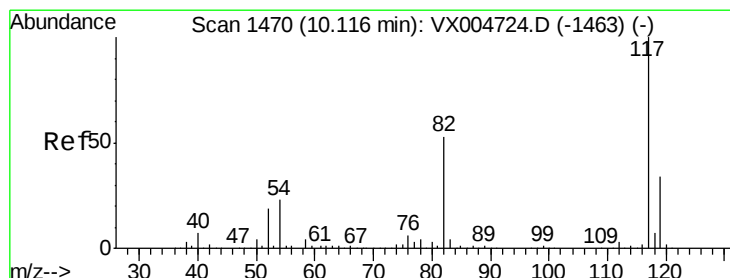
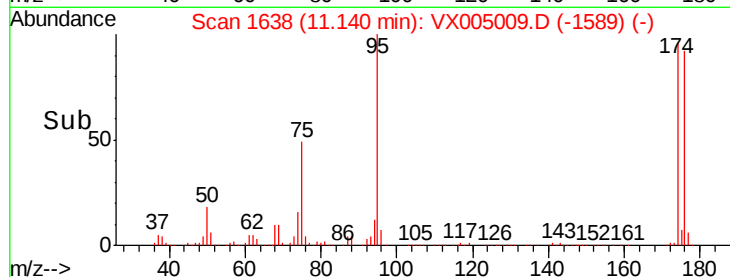
100000

50000

0

Time-->

11.10 11.20 11.30



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

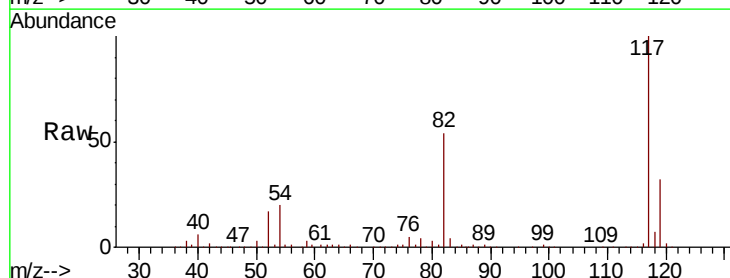
Tgt Ion: 117 Resp: 408457

Ion Ratio Lower Upper

117 100

82 54.3 42.2 63.4

119 32.4 27.4 41.0



Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)

10.12

400000

300000

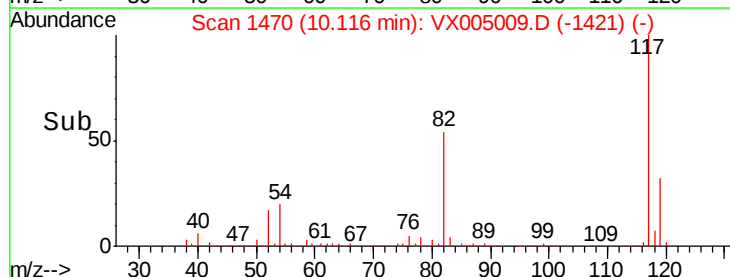
200000

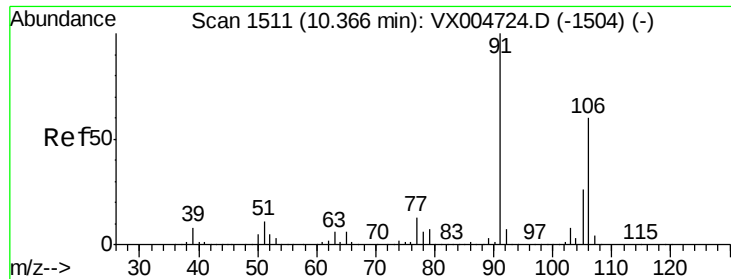
100000

0

Time-->

10.00 10.10 10.20 10.30

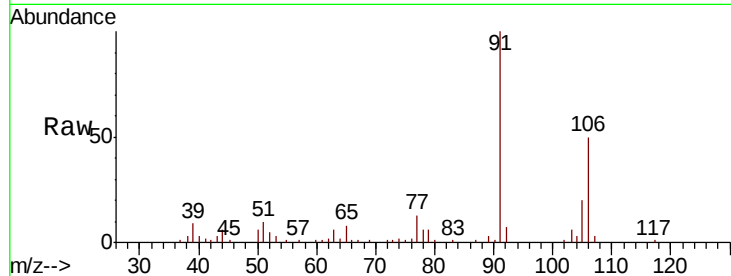




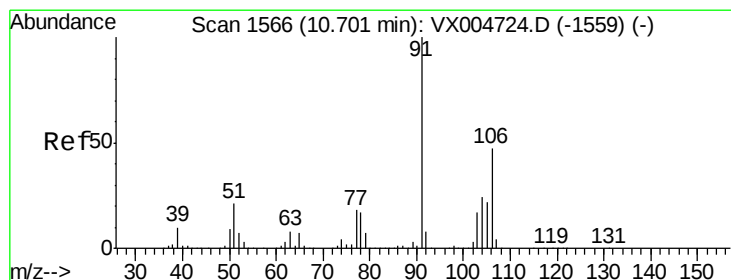
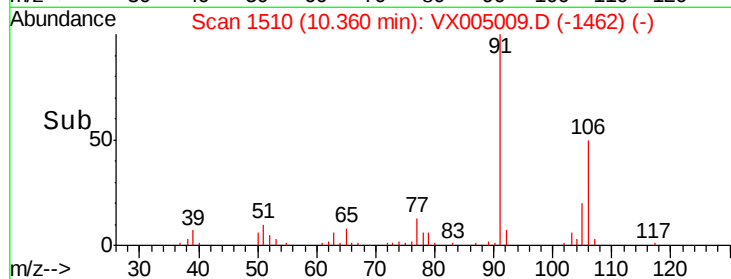
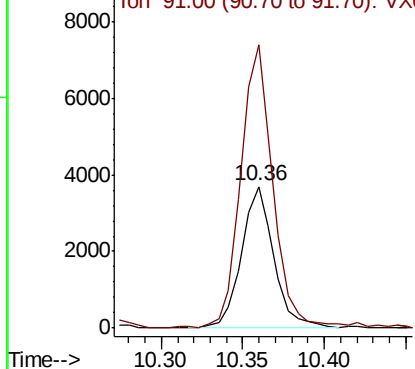
#68
m/p-Xylenes
Concen: 0.785 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

Instrument :
MSVOA_X
ClientSampleId :
PB113446ZHE#01

Tot Ion:106 Resp: 5101
Ion Ratio Lower Upper
106 100
91 203.4 157.5 236.3

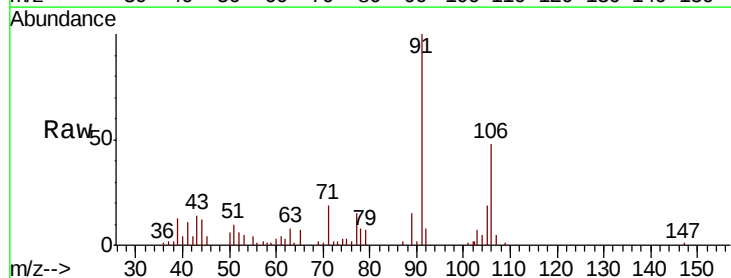


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

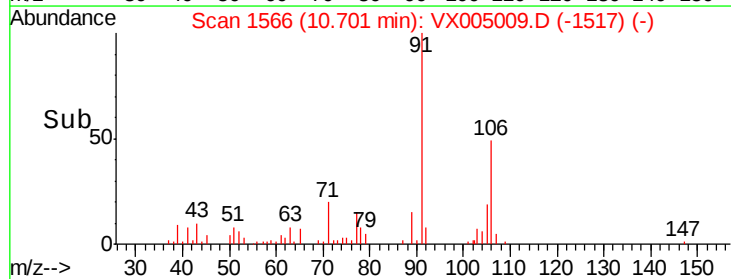
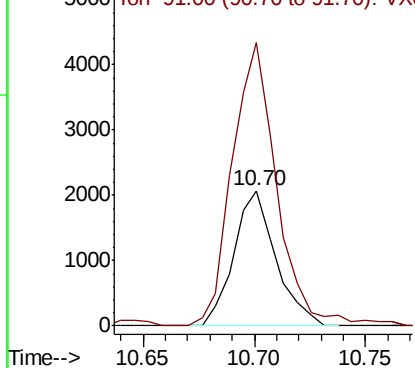


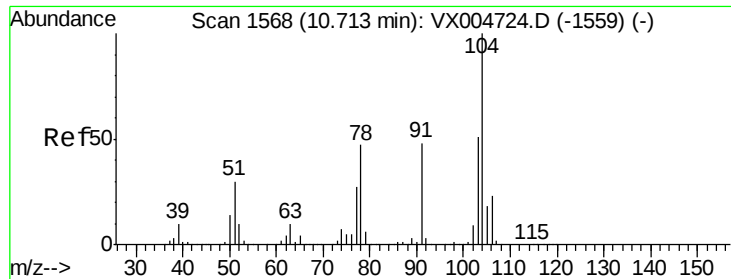
#69
o-Xylene
Concen: 0.455 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

Tgt Ion:106 Resp: 2718
Ion Ratio Lower Upper
106 100
91 222.7 108.3 324.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

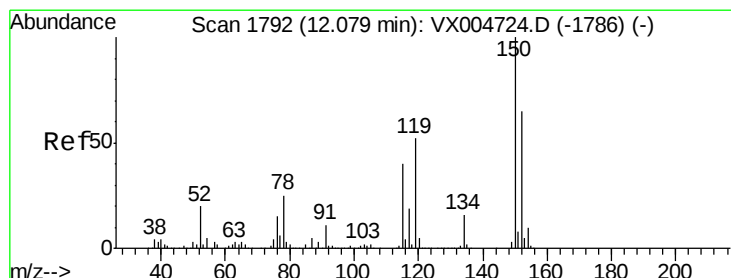
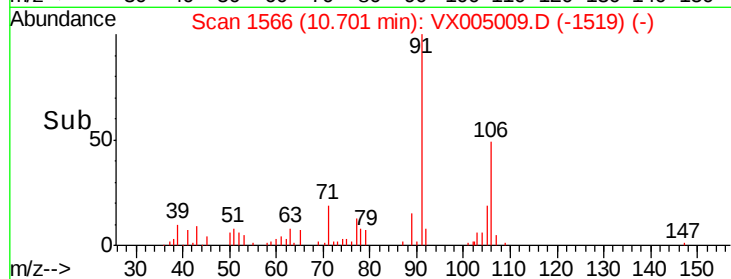
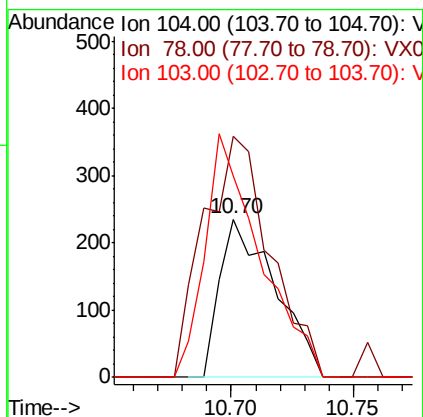
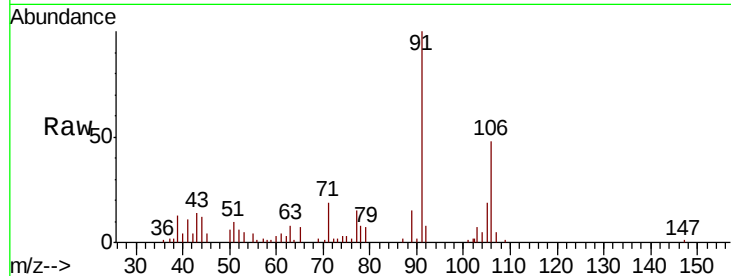




#70
Stvrene
Concen: 2.172 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

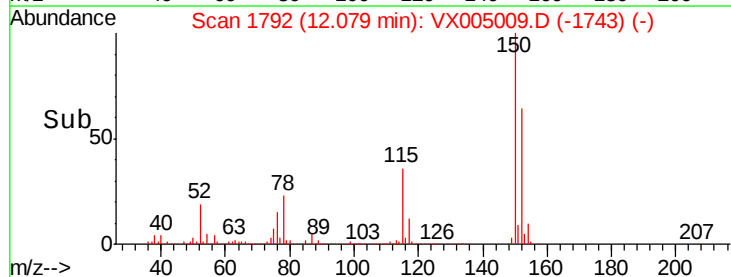
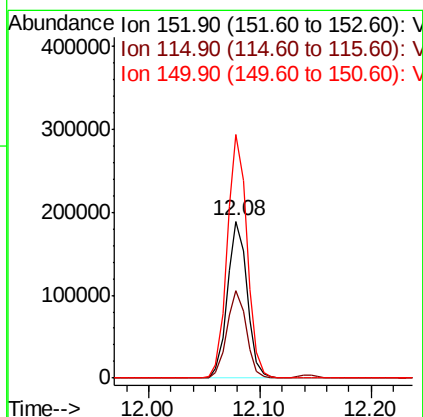
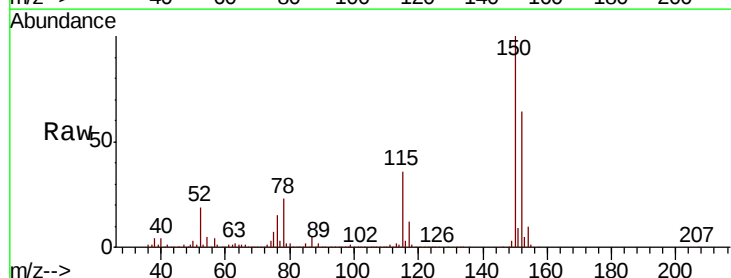
Instrument :
MSVOA_X
ClientSampleId :
PB113446ZHE#01

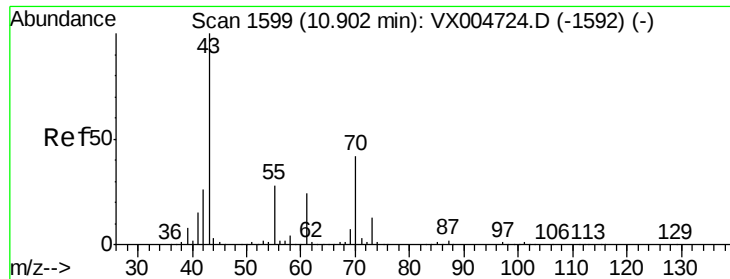
Tot Ion:104 Resp: 371
Ion Ratio Lower Upper
104 100
78 181.9 40.0 60.0#
103 152.0 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

Tgt Ion:152 Resp: 231252
Ion Ratio Lower Upper
152 100
115 55.2 40.2 120.6
150 155.7 0.0 351.0





#74

N-amvl acetate

Concen: 1.753 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

PB113446ZHE#01

Tot Ion: 43 Resp: 43

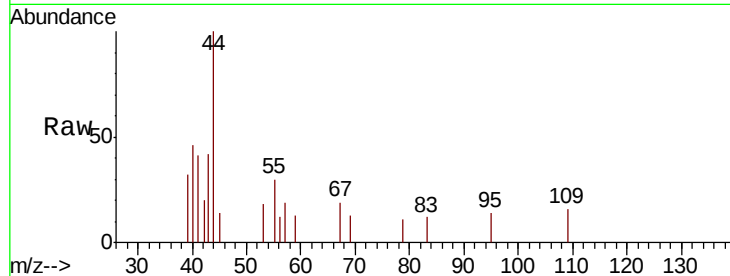
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 114.0 21.6 32.4#

61 0.0 19.1 28.7#

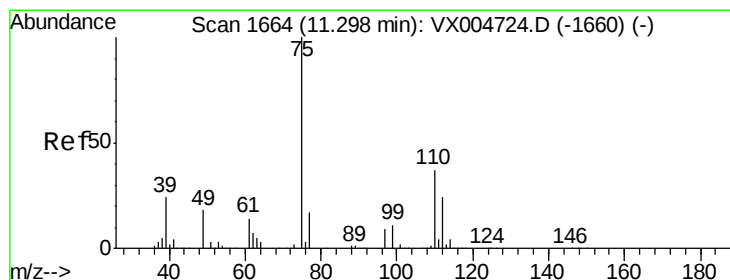
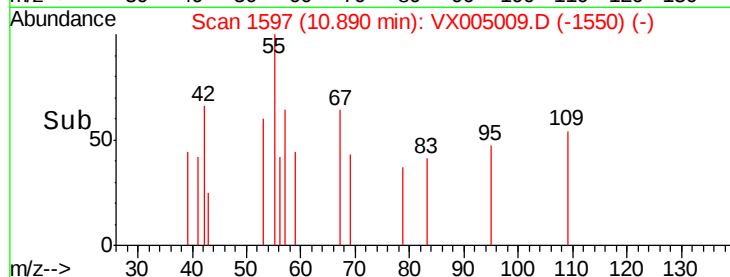
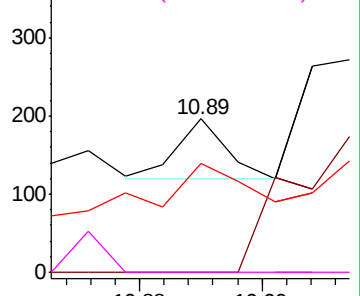


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 20.603 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005009.D

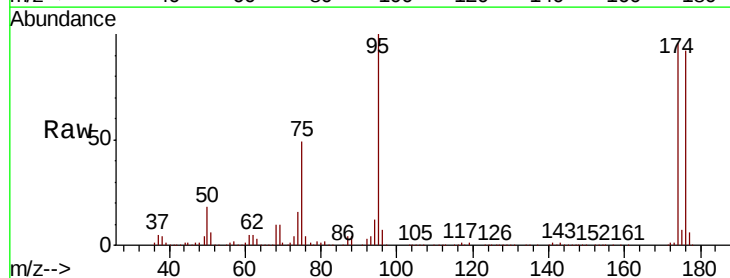
Acq: 04 Oct 2018 10:01

Tgt Ion: 75 Resp: 106792

Ion Ratio Lower Upper

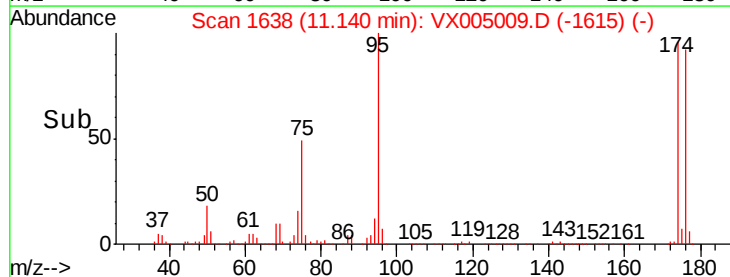
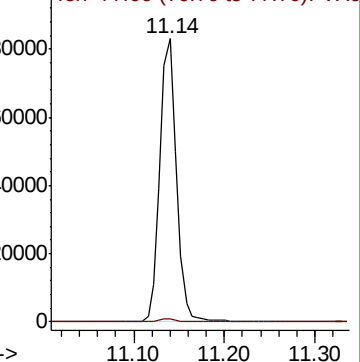
75 100

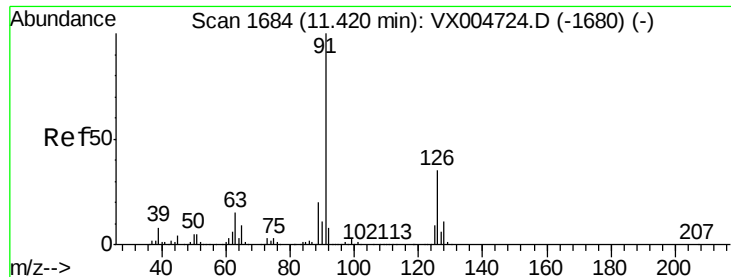
77 1.3 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#79

2-Chlorotoluene

Concen: 0.213 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

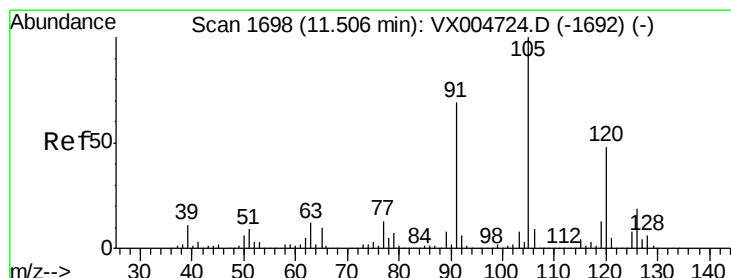
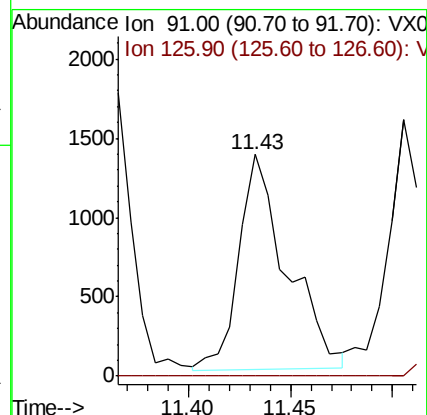
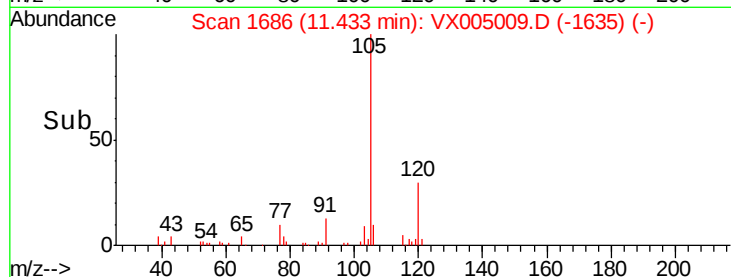
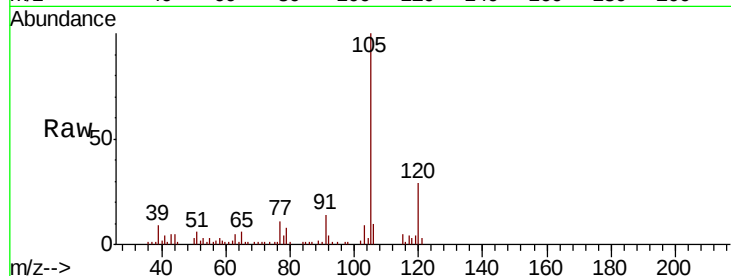
PB113446ZHE#01

Tot Ion: 91 Resp: 2221

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.897 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005009.D

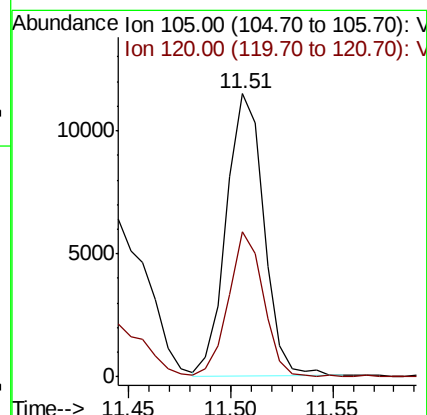
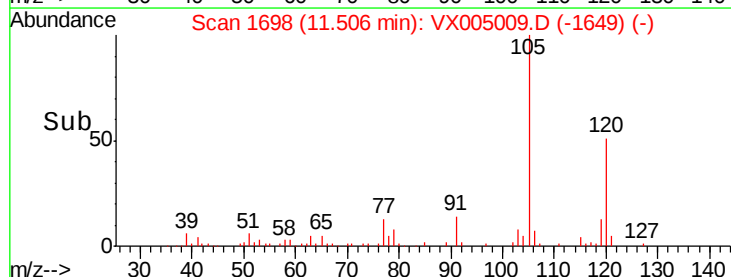
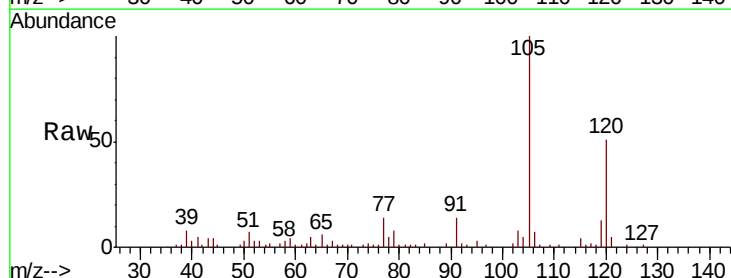
Acq: 04 Oct 2018 10:01

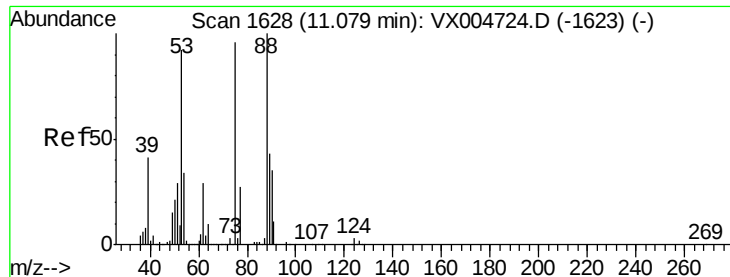
Tgt Ion: 105 Resp: 14577

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 55.947 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

PB113446ZHE#01

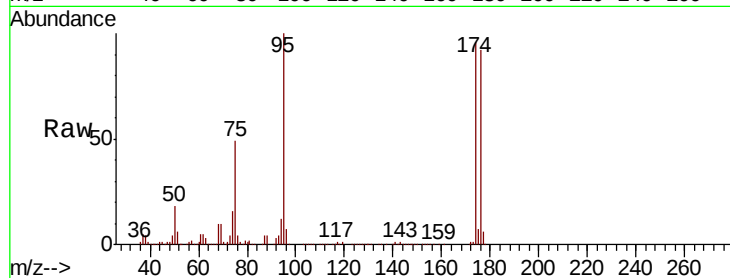
Tot Ion: 75 Resp: 106792

Ion Ratio Lower Upper

75 100

53 0.4 80.2 120.4#

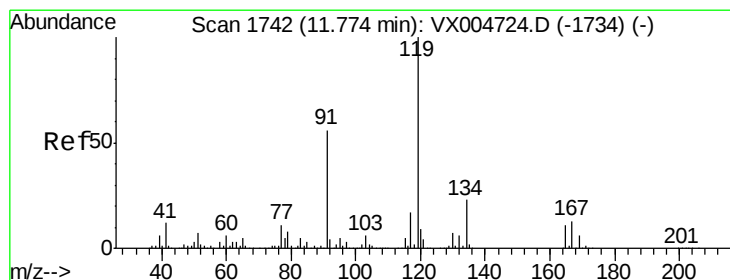
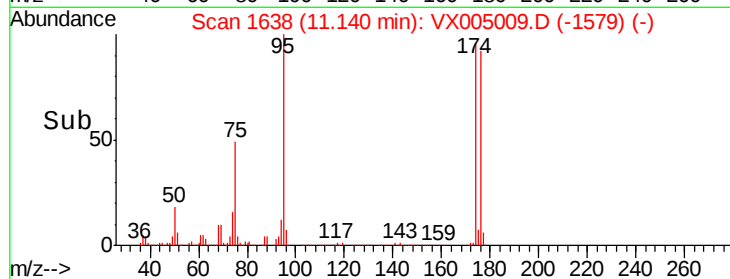
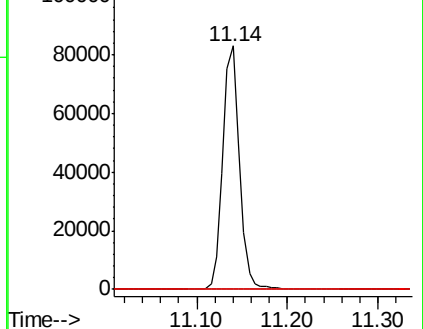
89 0.0 37.1 55.7#



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



#83

tert-Butylbenzene

Concen: 0.407 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.25 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

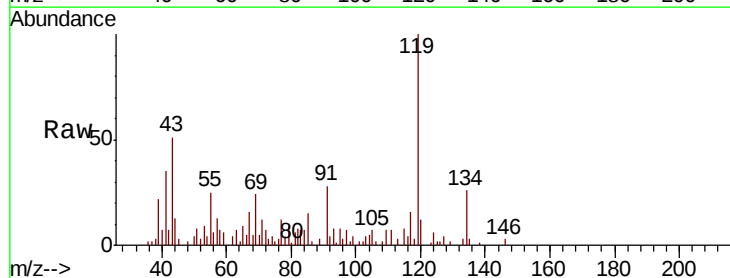
Tgt Ion: 119 Resp: 4880

Ion Ratio Lower Upper

119 100

91 28.5 27.5 82.5

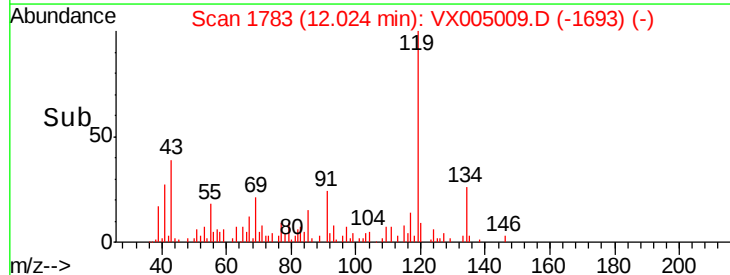
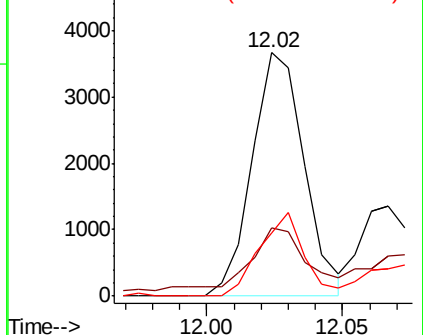
134 29.4 11.5 34.4

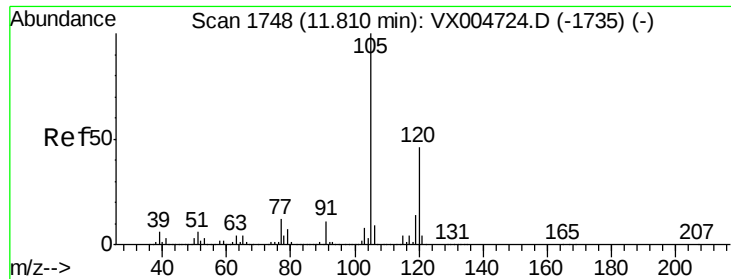


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 6.946 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

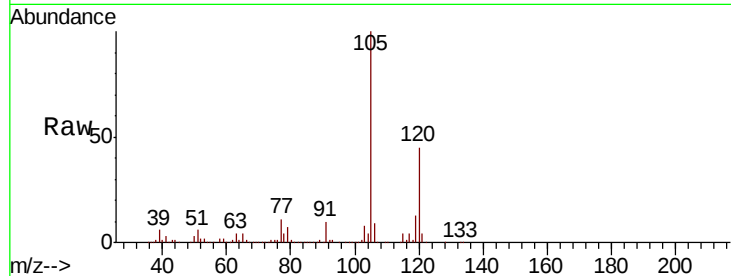
PB113446ZHE#01

Tot Ion:105 Resp: 98039

Ion Ratio Lower Upper

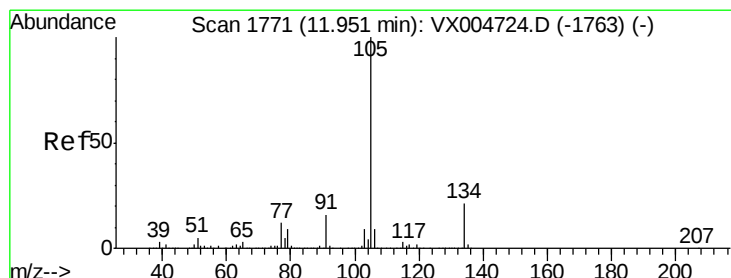
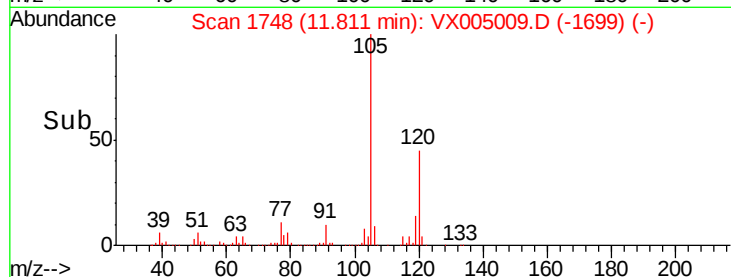
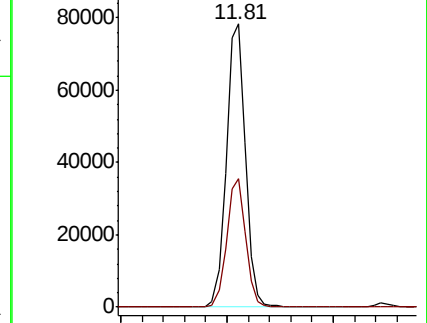
105 100

120 45.0 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 6.707 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.14 min

Lab File: VX005009.D

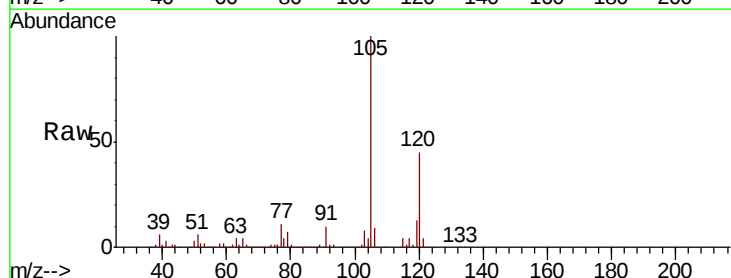
Acq: 04 Oct 2018 10:01

Tgt Ion:105 Resp: 98039

Ion Ratio Lower Upper

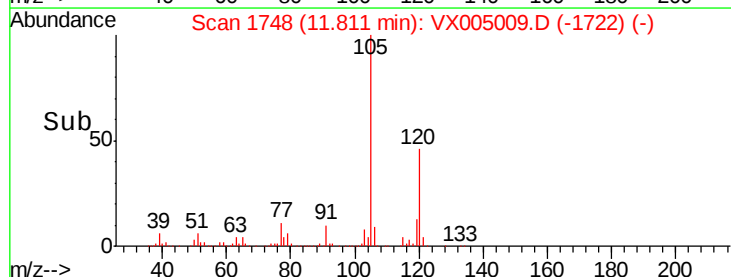
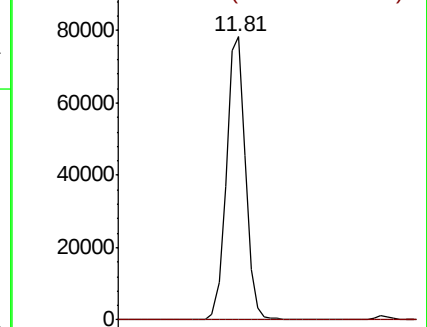
105 100

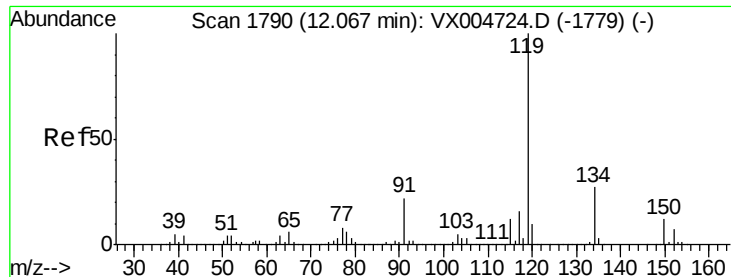
134 0.3 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

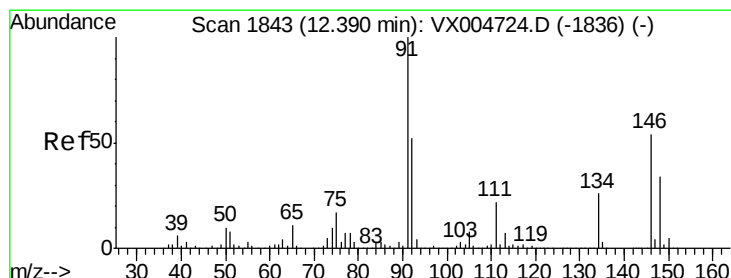
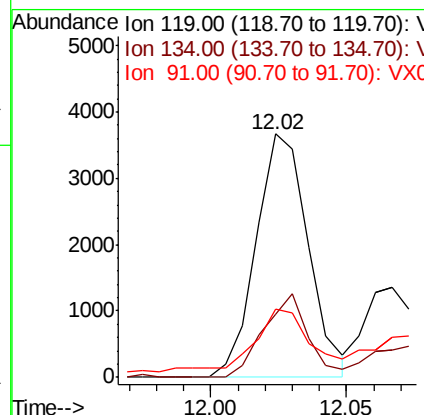
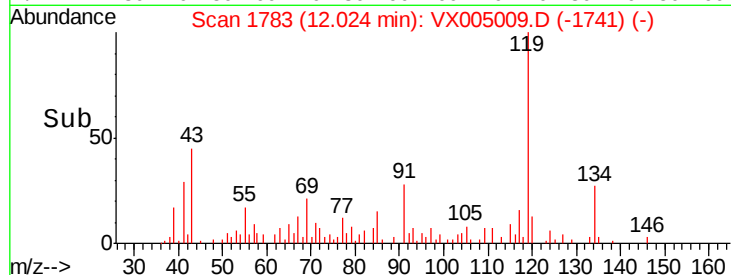
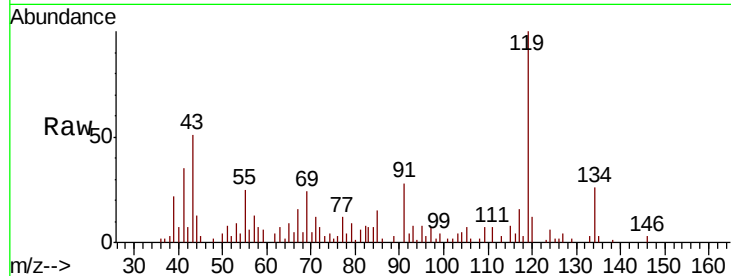




#86
p-Isopropyltoluene
Concen: 0.368 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.04 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

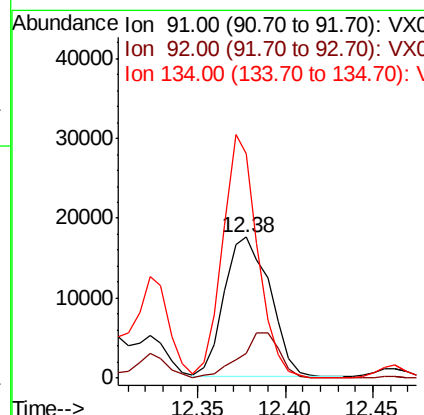
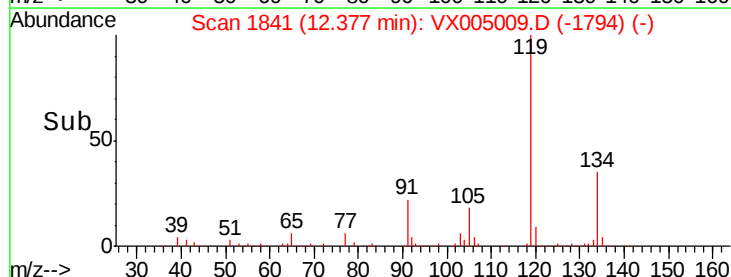
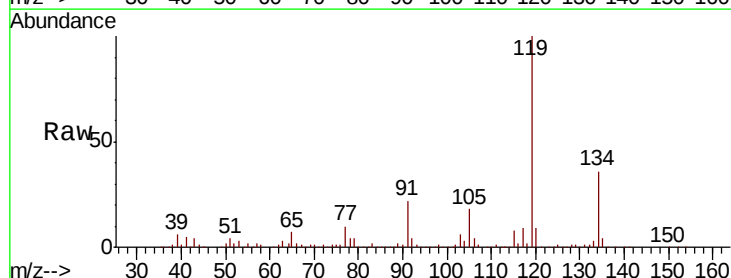
Instrument :
MSVOA_X
ClientSampleId :
PB113446ZHE#01

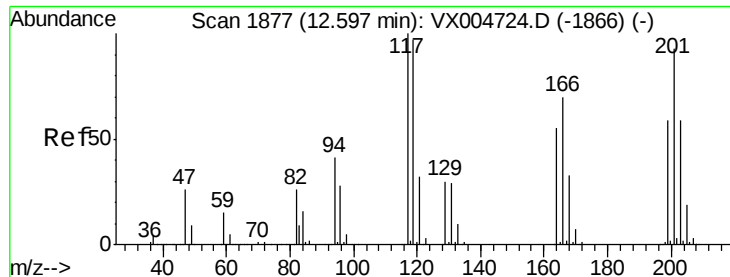
Tot Ion: 119 Resp: 4880
Ion Ratio Lower Upper
119 100
134 29.4 13.4 40.1
91 28.5 11.5 34.4



#89
n-Butylbenzene
Concen: 2.622 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX005009.D
Acq: 04 Oct 2018 10:01

Tgt Ion: 91 Resp: 31542
Ion Ratio Lower Upper
91 100
92 28.1 26.0 78.0
134 134.3 13.2 39.6#





#90

Hexachloroethane

Concen: 3.473 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

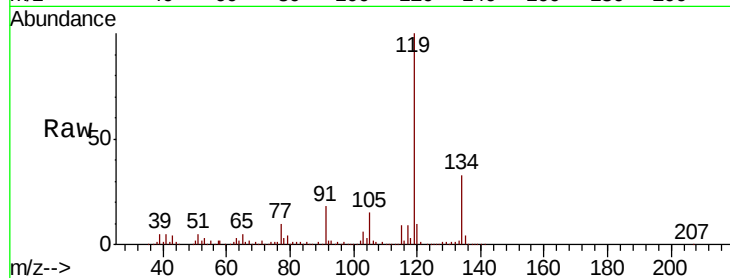
PB113446ZHE#01

Tot Ion:117 Resp: 7659

Ion Ratio Lower Upper

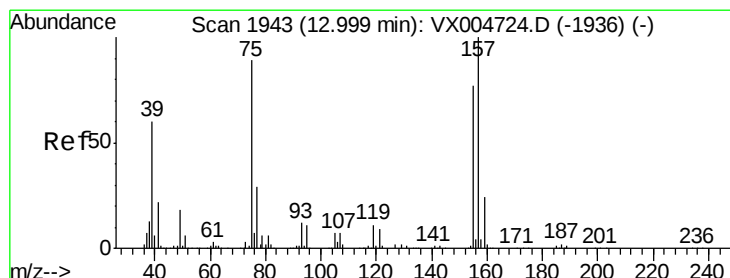
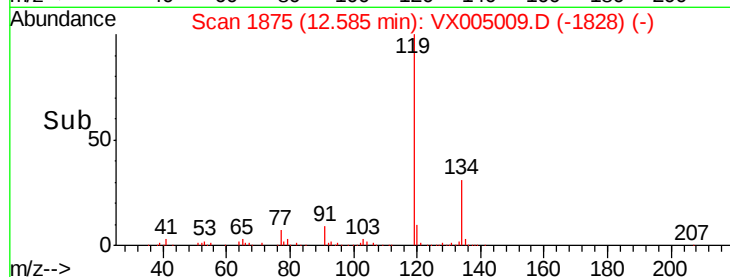
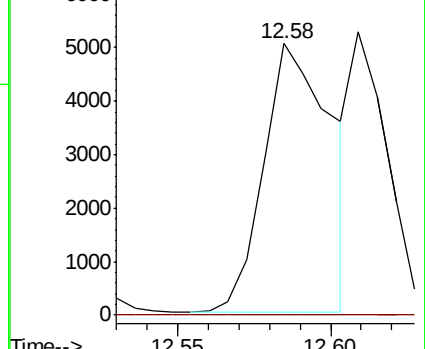
117 100

201 0.0 48.4 145.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.326 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

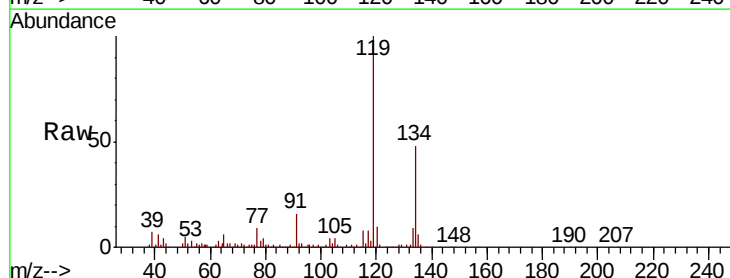
Tgt Ion: 75 Resp: 425

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

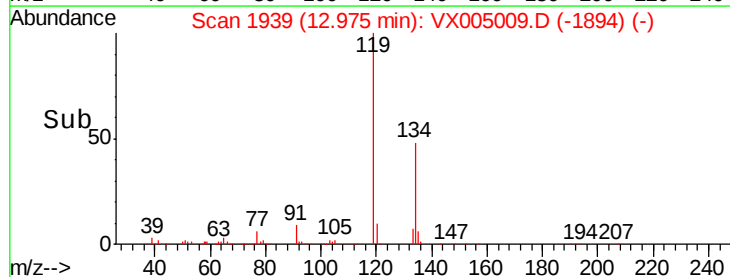
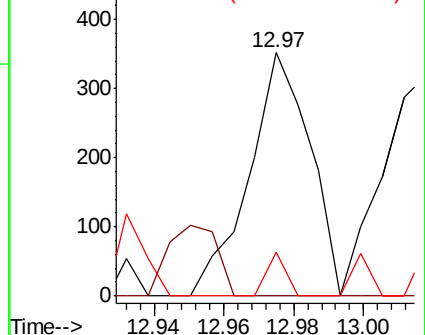
157 5.4 60.2 180.6#

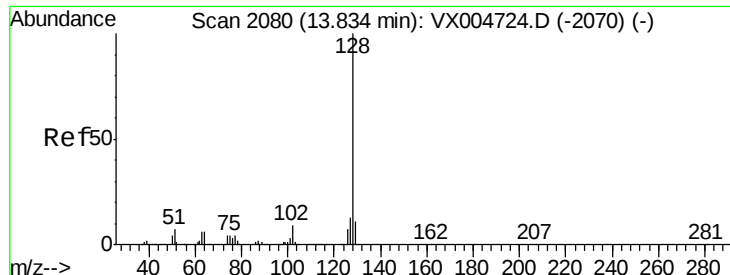


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 11.083 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005009.D

Acq: 04 Oct 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

PB113446ZHE#01

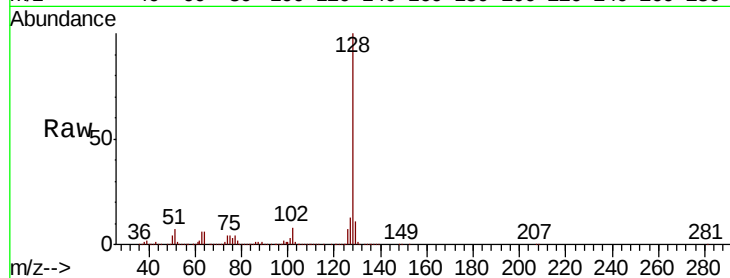
Tot Ion:128 Resp: 202265

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.0 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

