

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051467.D
 Acq On : 24 Sep 2018 17:35
 Operator : MD\SY
 Sample : J5061-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230-KV-B

Quant Time: Sep 25 02:00:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	633996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	960767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	791950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305752	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	429186	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
35) Dibromofluoromethane	7.59	113	310179	40.37	ug/l	0.00
Spiked Amount			Recovery	=	80.74%	
50) Toluene-d8	10.09	98	1365552	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.40	95	366746	39.19	ug/l	0.00
Spiked Amount			Recovery	=	78.38%	

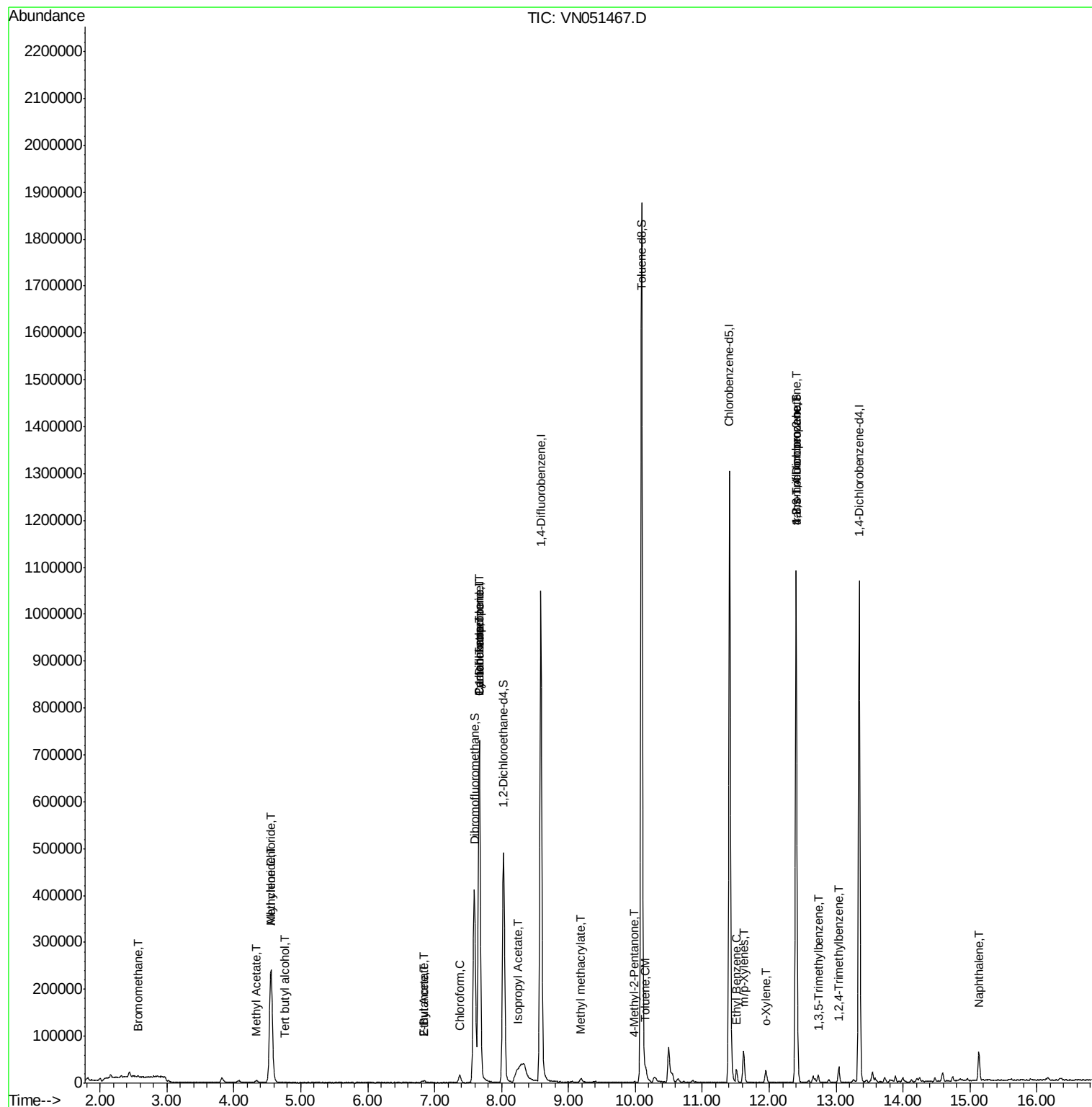
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1163	0.246	ug/l #	79
11) Tert butyl alcohol	4.77	59	144	0.321	ug/l #	78
14) Allyl chloride	4.55	41	7596	0.642	ug/l #	26
16) Acetone	3.82	43	17225	Below Cal		98
18) Methyl Acetate	4.34	43	8258	1.365	ug/l #	65
20) Methylene Chloride	4.55	84	182791	23.259	ug/l	99
25) 2-Butanone	6.84	43	3600	1.324	ug/l	100
30) Chloroform	7.37	83	17149	1.268	ug/l	97
31) Cyclohexane	7.67	56	11297	0.903	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43531	3.913	ug/l #	49
37) Ethyl Acetate	6.84	43	3600	0.563	ug/l #	71
38) Carbon Tetrachloride	7.67	117	56872	4.887	ug/l #	17
43) Isopropyl Acetate	8.24	43	24874	2.150	ug/l #	61
48) Methyl methacrylate	9.18	41	5574	0.967	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	1377	0.216	ug/l #	75
52) Toluene	10.16	92	6408	0.316	ug/l	92
67) Ethyl Benzene	11.51	91	19424	0.567	ug/l	97
68) m/p-Xylenes	11.62	106	21835	1.649	ug/l	98
69) o-Xylene	11.95	106	6351	0.499	ug/l	96
76) 1,2,3-Trichloropropane	12.40	75	181945	35.846	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7244	0.344	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	181945	110.225	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	18820	0.888	ug/l	99
95) Naphthalene	15.13	128	52973	11.954	ug/l	95

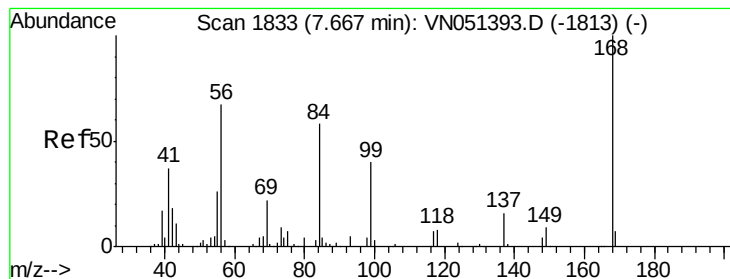
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

Instrument :

MSVOA_N

ClientSampleId :

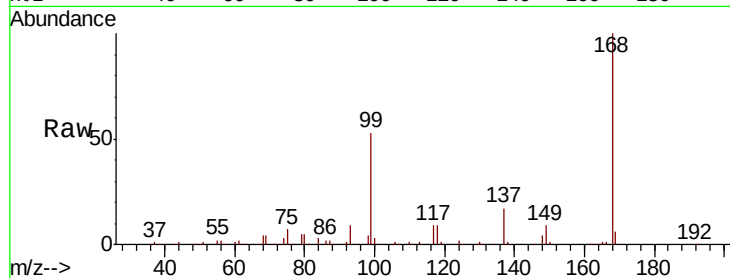
230-KV-B

Tot Ion:168 Resp: 633996

Ion Ratio Lower Upper

168 100

99 52.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

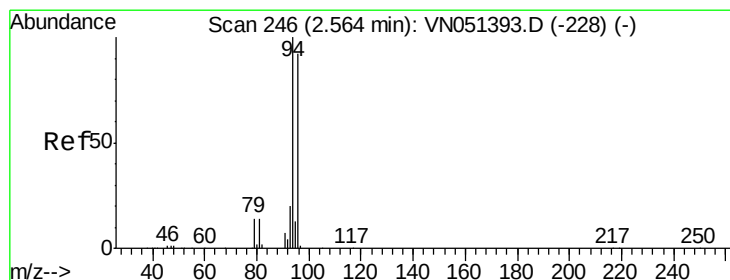
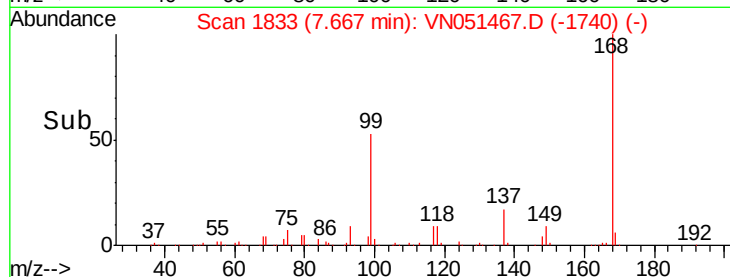
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.246 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051467.D

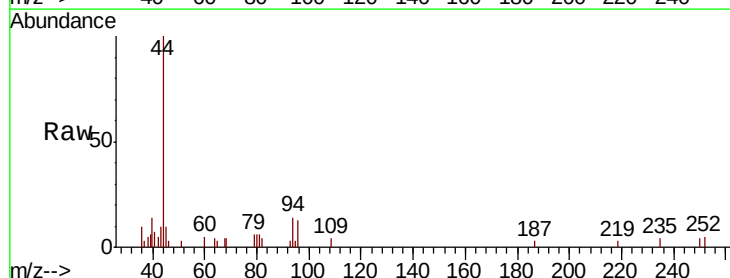
Acq: 24 Sep 2018 17:35

Tgt Ion: 94 Resp: 1163

Ion Ratio Lower Upper

94 100

96 72.4 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.57

800

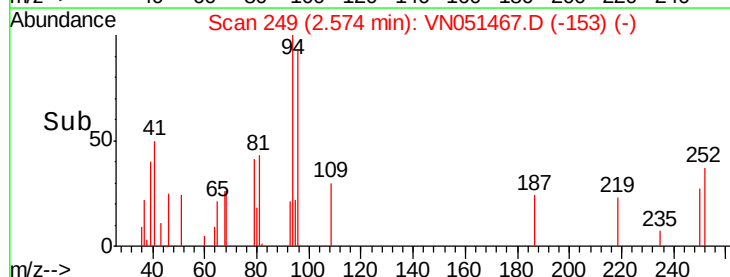
600

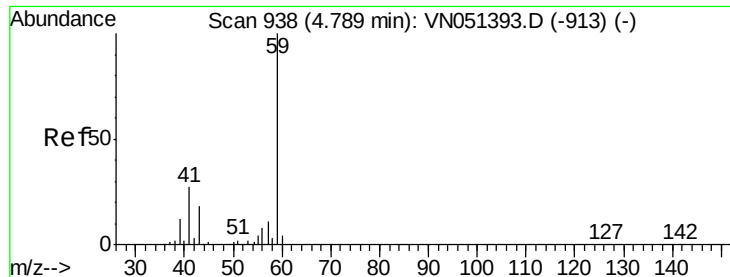
400

200

0

Time-->

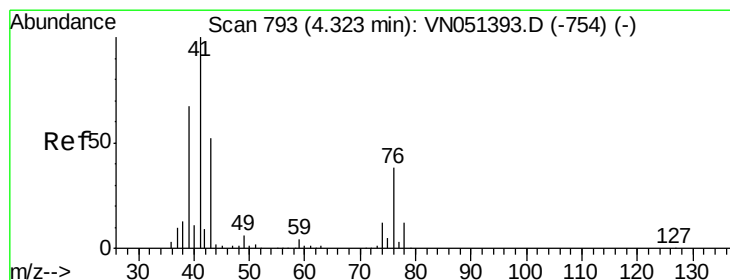
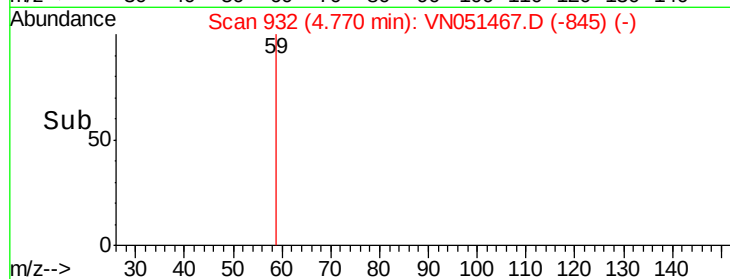
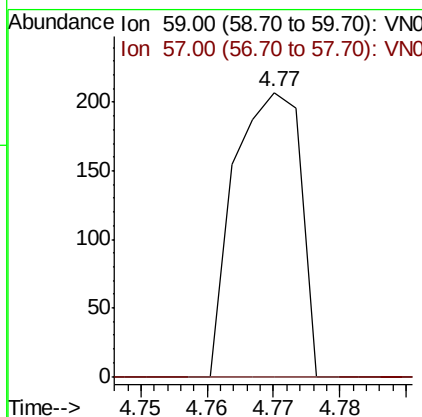
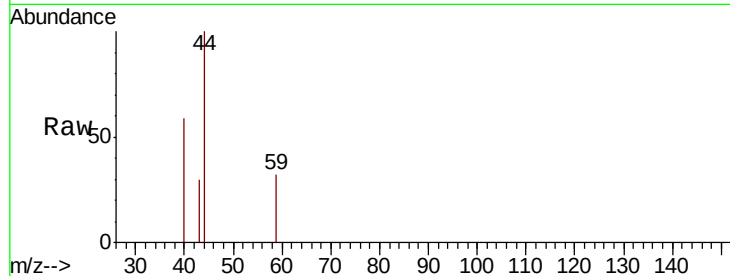




#11
Tert butyl alcohol
Concen: 0.321 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.02 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

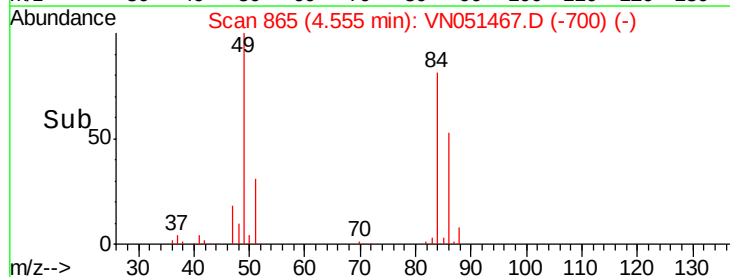
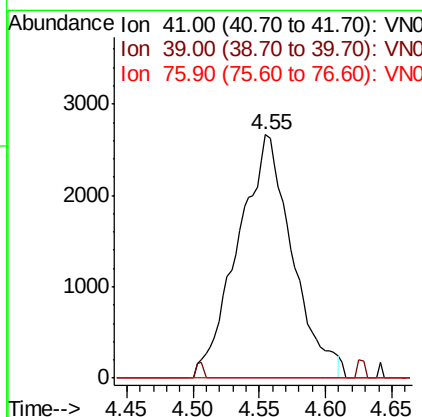
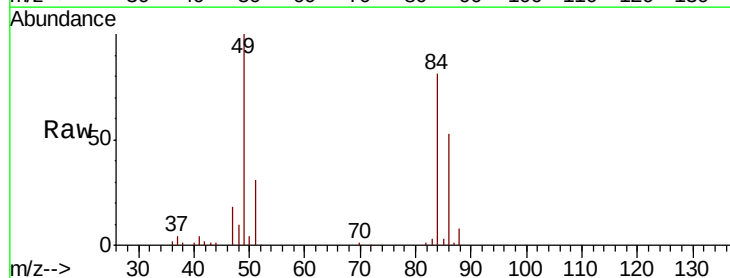
Instrument :
MSVOA_N
ClientSampleId :
230-KV-B

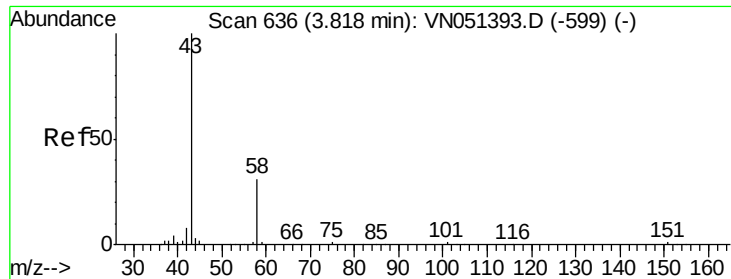
Tot Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#14
Allyl chloride
Concen: 0.642 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.23 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

Tgt Ion: 41 Resp: 7596
Ion Ratio Lower Upper
41 100
39 0.0 51.4 77.2#
76 0.0 28.1 42.1#

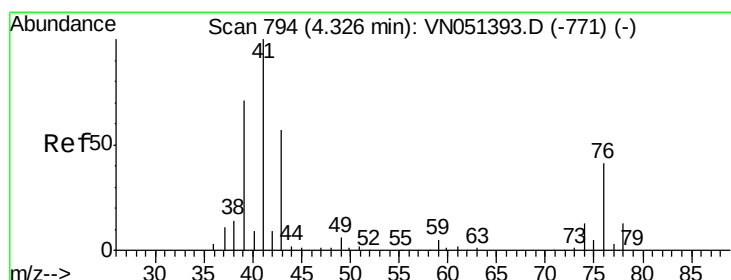
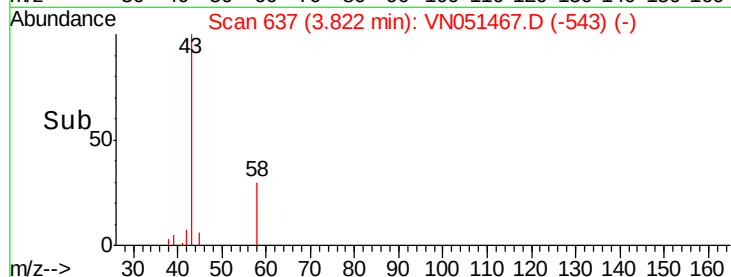
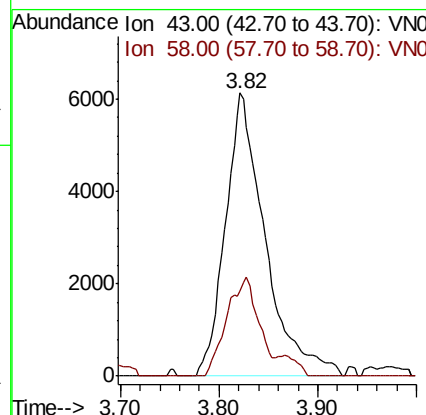
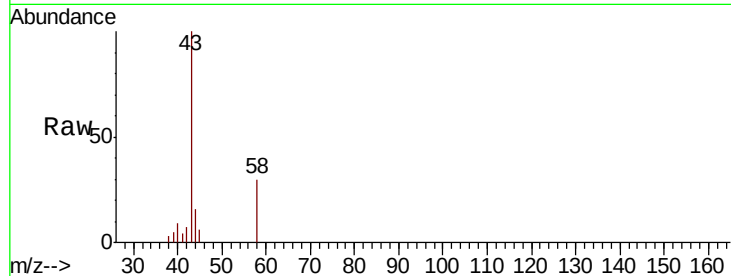




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

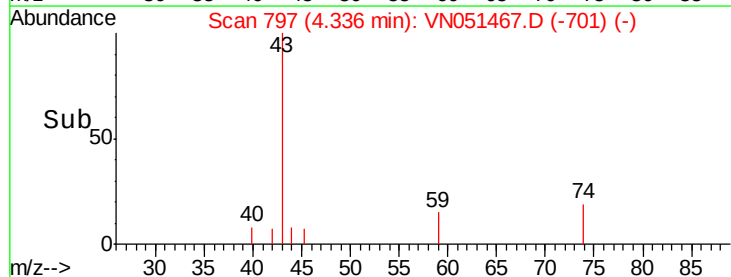
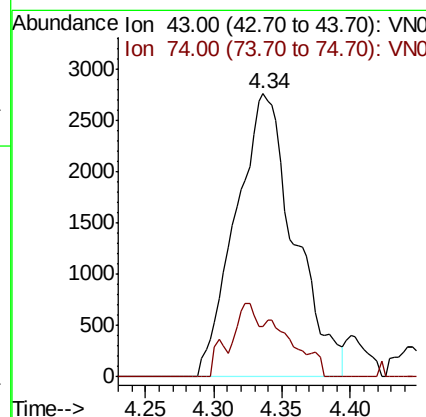
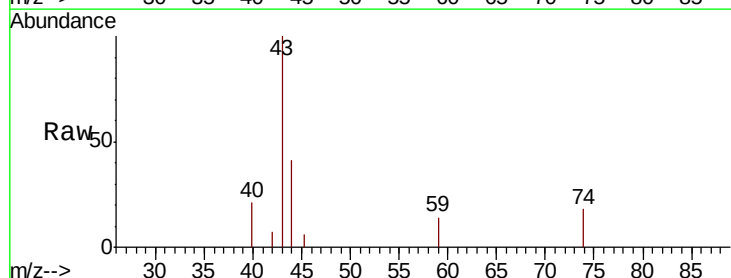
Instrument :
MSVOA_N
ClientSampled :
230-KV-B

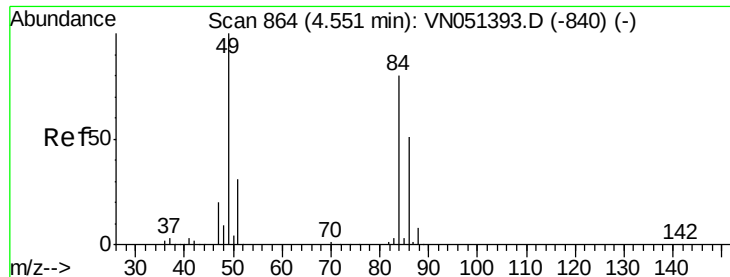
Tot Ion: 43 Resp: 17225
Ion Ratio Lower Upper
43 100
58 30.0 25.0 37.4



#18
Methyl Acetate
Concen: 1.365 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

Tgt Ion: 43 Resp: 8258
Ion Ratio Lower Upper
43 100
74 6.5 18.8 28.2#

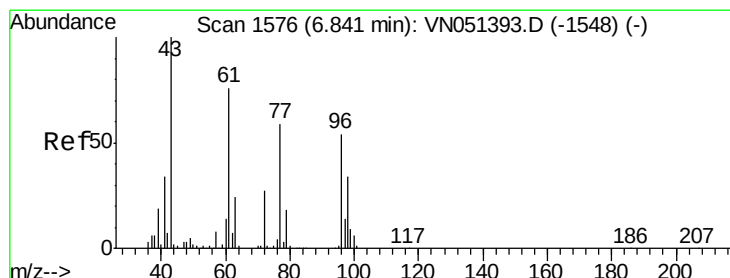
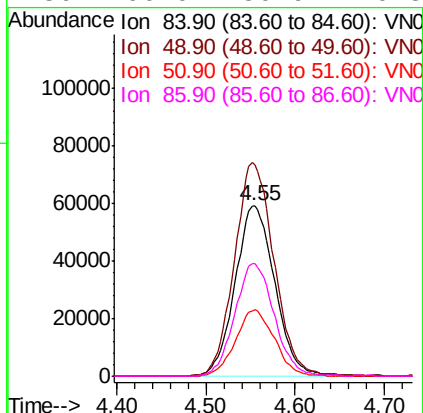
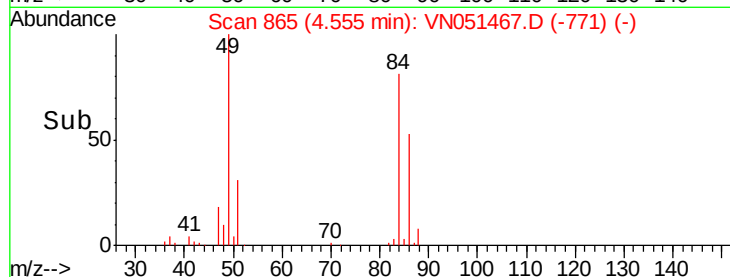
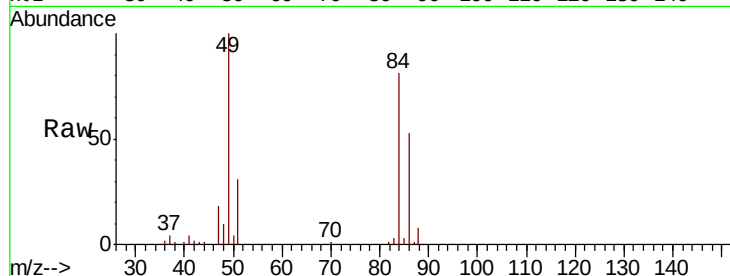




#20
Methylene Chloride
Concen: 23.259 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

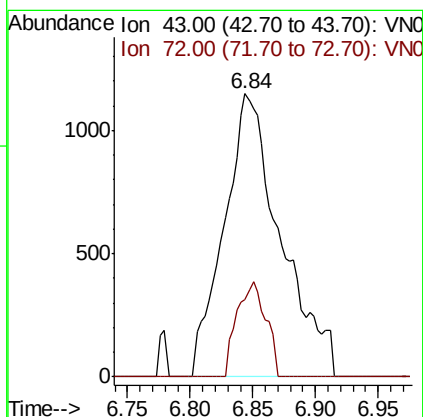
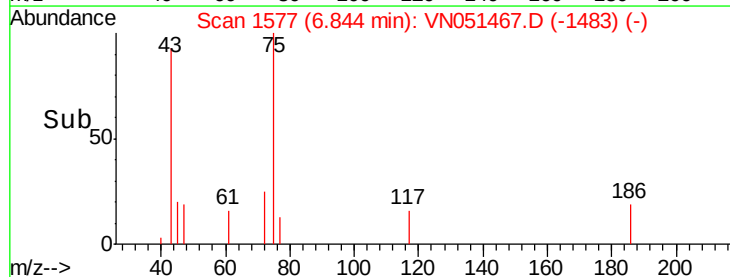
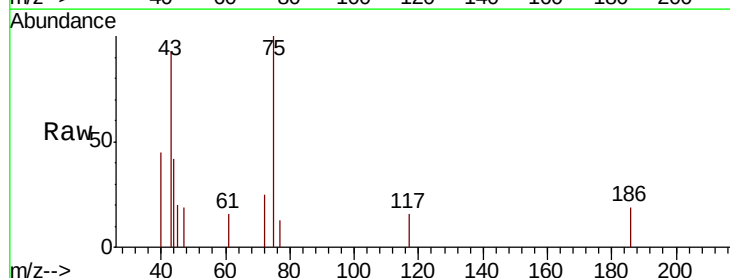
Instrument :
MSVOA_N
ClientSampled :
230-KV-B

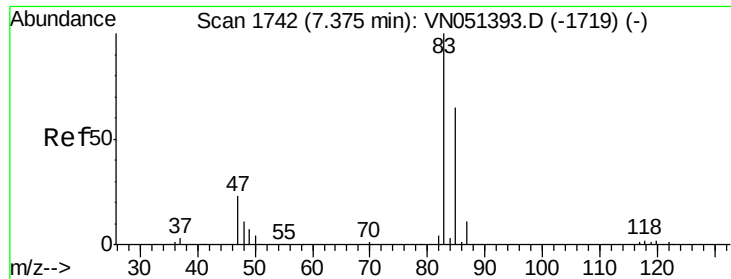
Tot Ion: 84 Resp: 182791
Ion Ratio Lower Upper
84 100
49 124.0 99.9 149.9
51 38.9 31.4 47.2
86 66.0 50.9 76.3



#25
2-Butanone
Concen: 1.324 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

Tgt Ion: 43 Resp: 3600
Ion Ratio Lower Upper
43 100
72 27.4 21.8 32.6

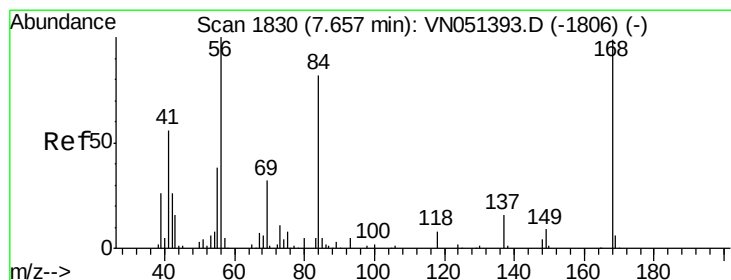
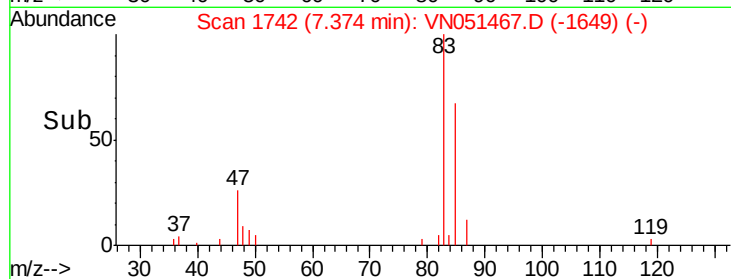
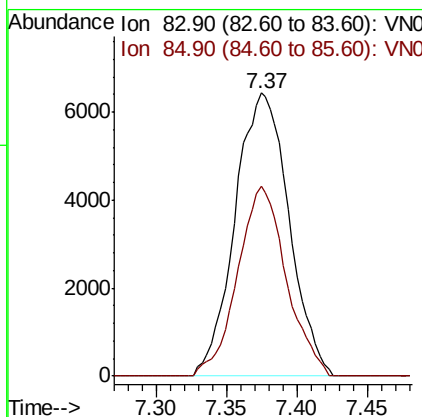
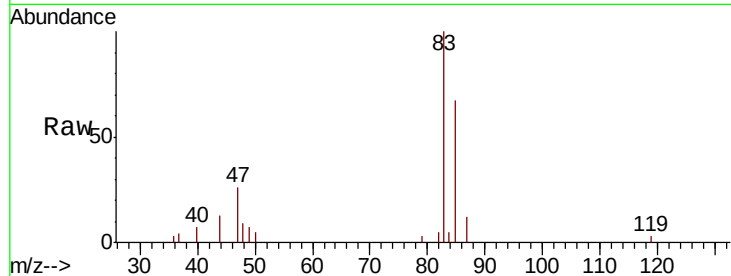




#30
Chloroform
Concen: 1.268 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

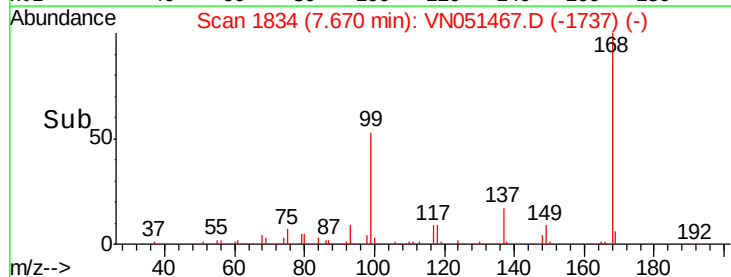
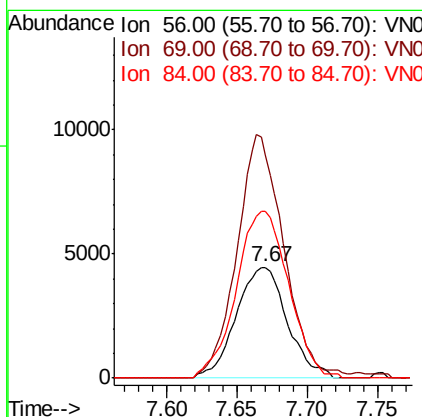
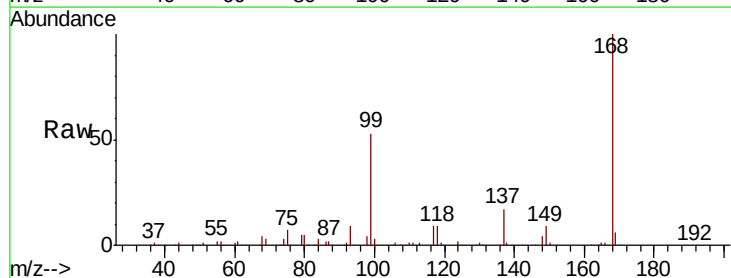
Instrument :
MSVOA_N
ClientSampleId :
230-KV-B

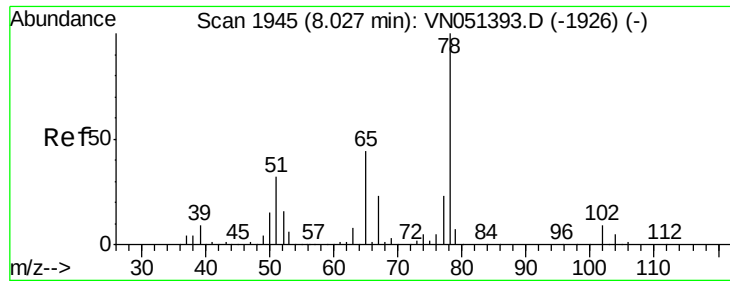
Tot Ion: 83 Resp: 17149
Ion Ratio Lower Upper
83 100
85 67.0 51.8 77.6



#31
Cyclohexane
Concen: 0.903 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

Tgt Ion: 56 Resp: 11297
Ion Ratio Lower Upper
56 100
69 201.5 25.8 38.6#
84 150.8 66.0 99.0#

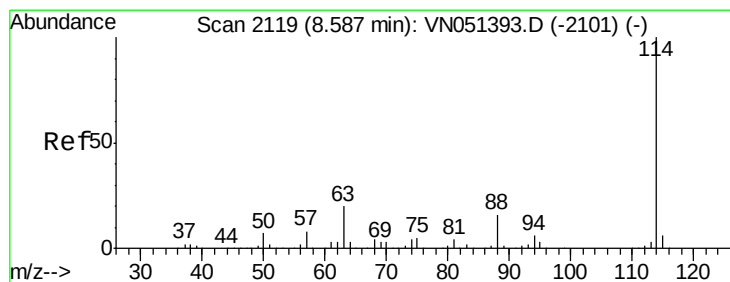
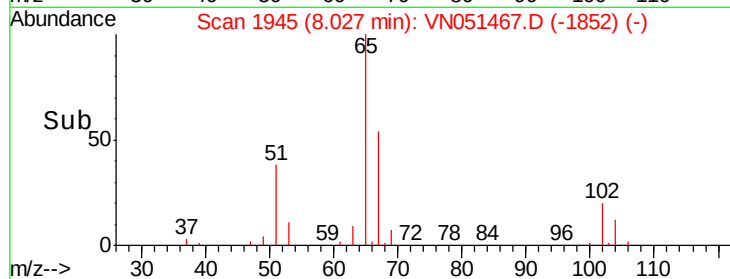
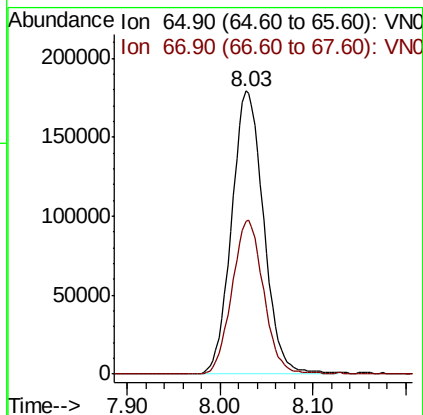
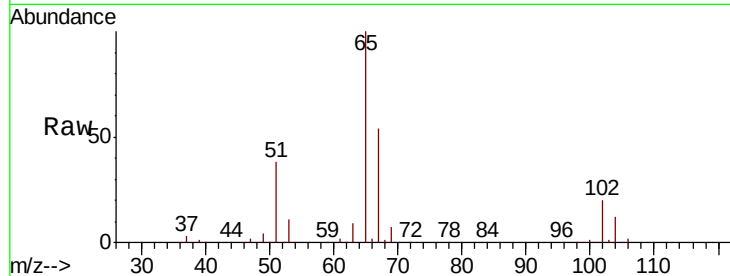




#33
 1,2-Dichloroethane-d4
 Concen: 54.040 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051467.D
 Acq: 24 Sep 2018 17:35

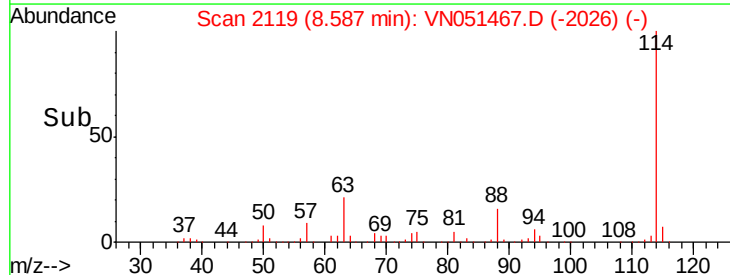
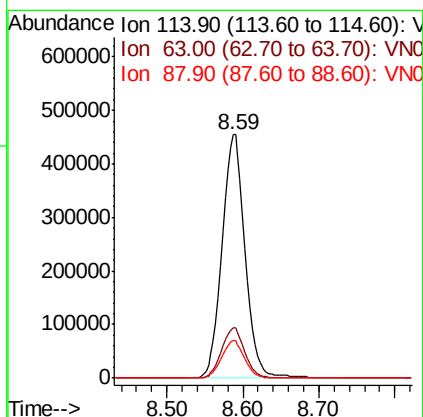
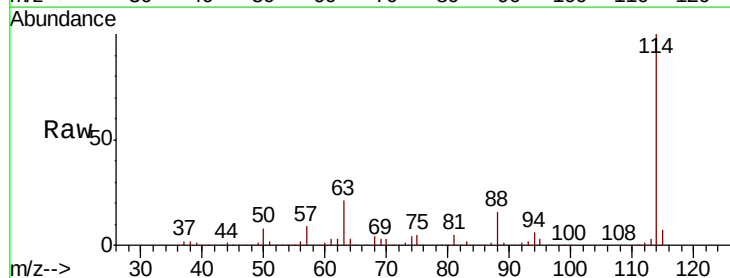
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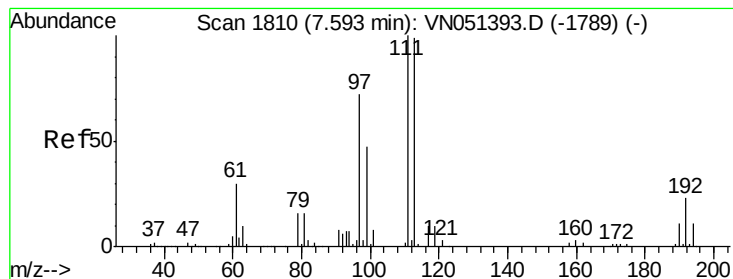
Tot Ion: 65 Resp: 429186
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051467.D
 Acq: 24 Sep 2018 17:35

Tgt Ion: 114 Resp: 960767
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.2
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 40.373 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

Instrument :

MSVOA_N

ClientSampleId :

230-KV-B

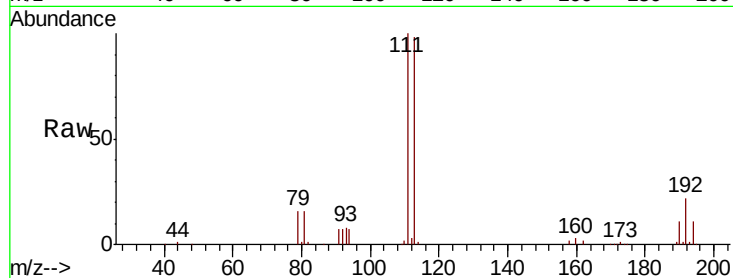
Tot Ion:113 Resp: 310179

Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

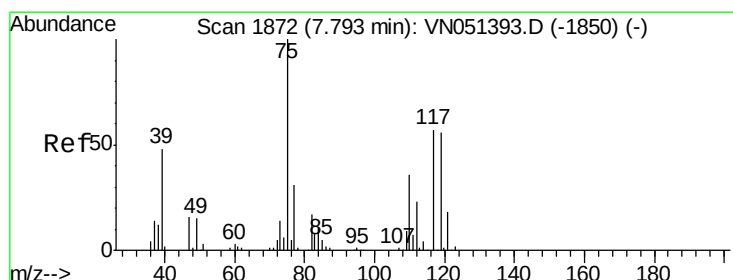
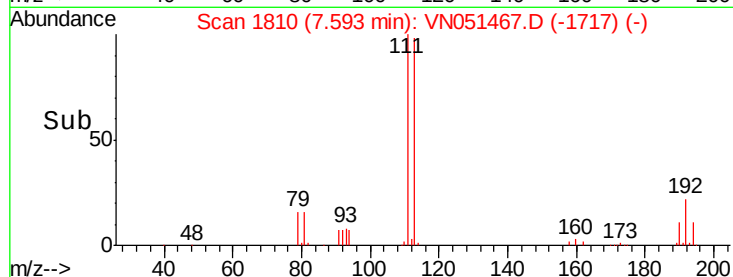
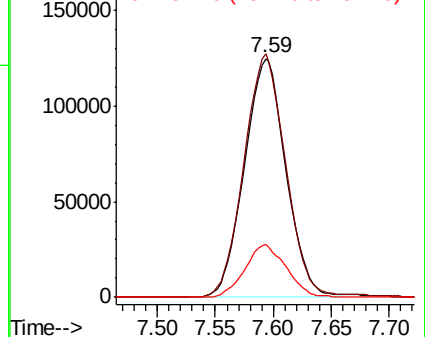
192 22.1 18.0 27.0



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: 3.913 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

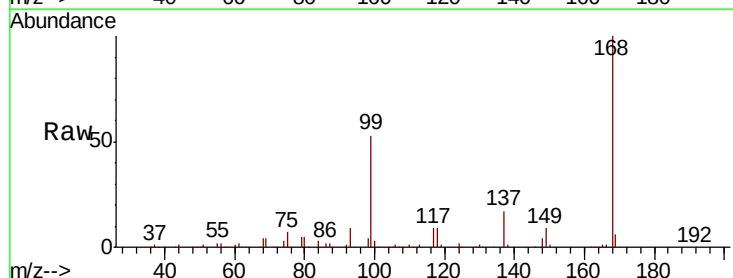
Tgt Ion: 75 Resp: 43531

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.3#

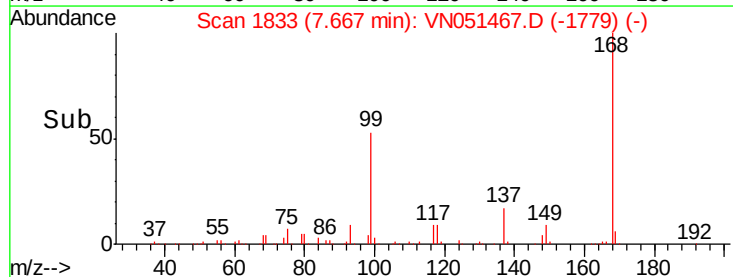
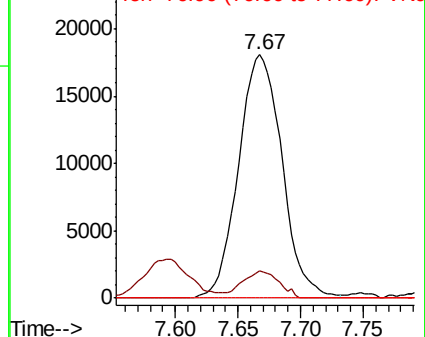
77 0.0 25.6 38.4#

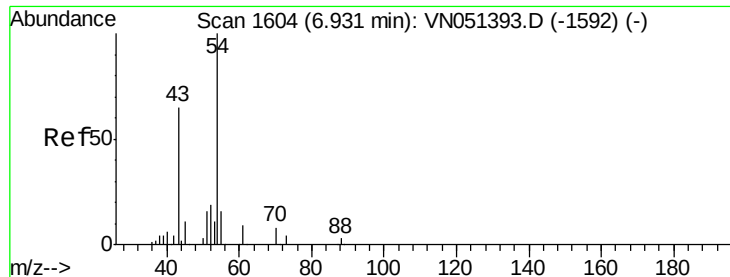


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 0.563 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.09 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

Instrument :

MSVOA_N

ClientSampleId :

230-KV-B

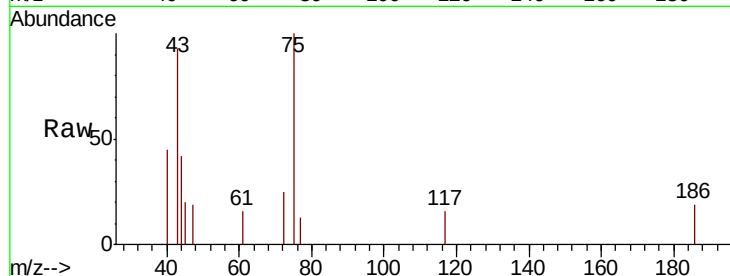
Tot Ion: 43 Resp: 3600

Ion Ratio Lower Upper

43 100

61 2.0 11.5 17.3#

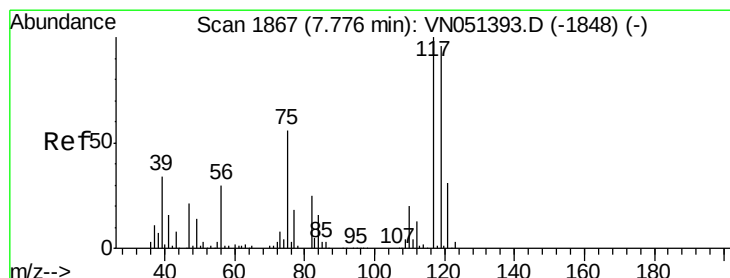
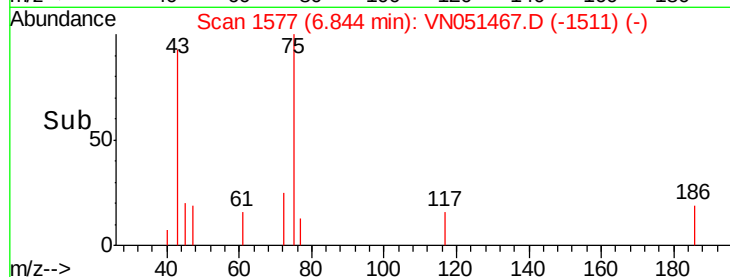
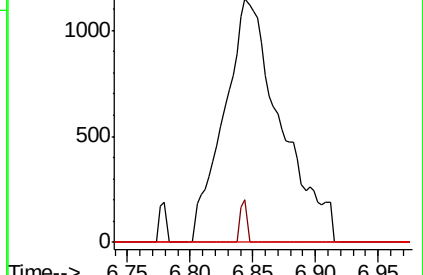
70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN051393.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN051393.D (-1592) (-)



#38

Carbon Tetrachloride

Concen: 4.887 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

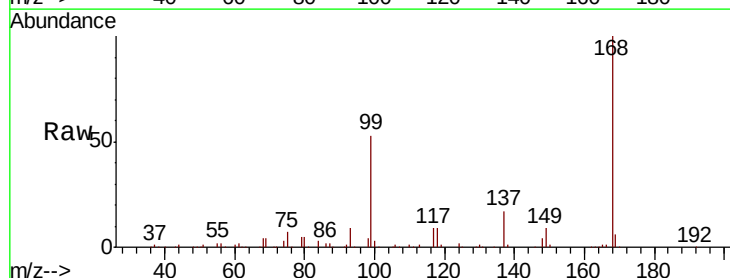
Tgt Ion: 117 Resp: 56872

Ion Ratio Lower Upper

117 100

119 6.8 76.9 115.3#

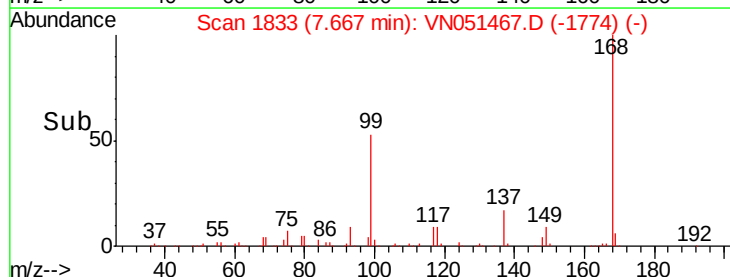
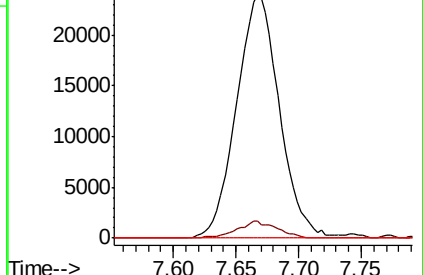
121 0.0 24.6 37.0#

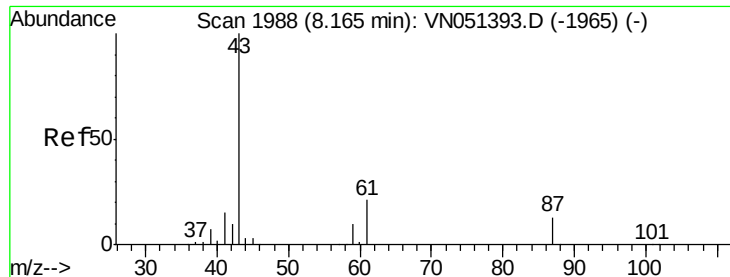


Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN051393.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051393.D (-1848) (-)





#43

Isopropyl Acetate

Concen: 2.150 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.07 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

Instrument :

MSVOA_N

ClientSampleId :

230-KV-B

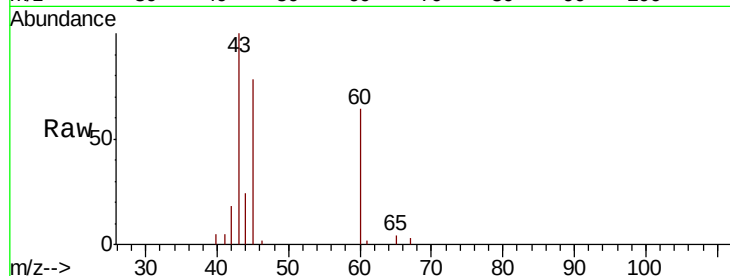
Tot Ion: 43 Resp: 24874

Ion Ratio Lower Upper

43 100

61 1.3 16.8 25.2#

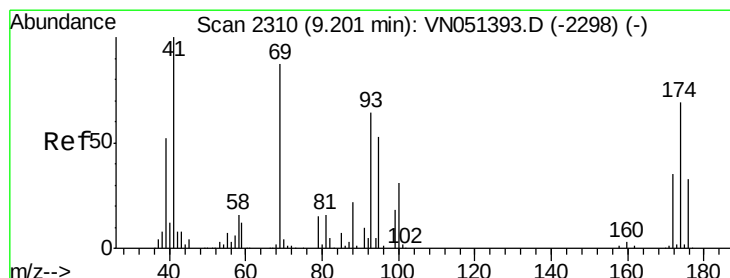
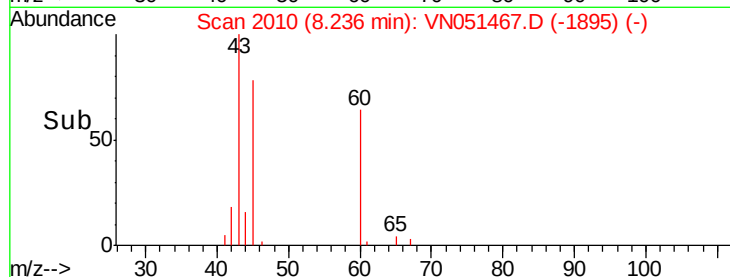
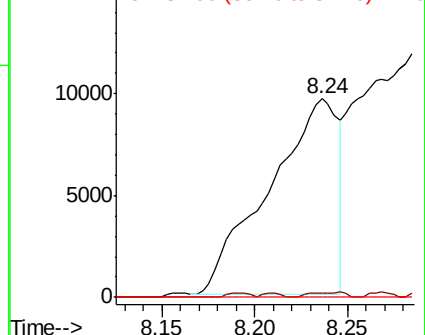
87 0.0 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 0.967 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

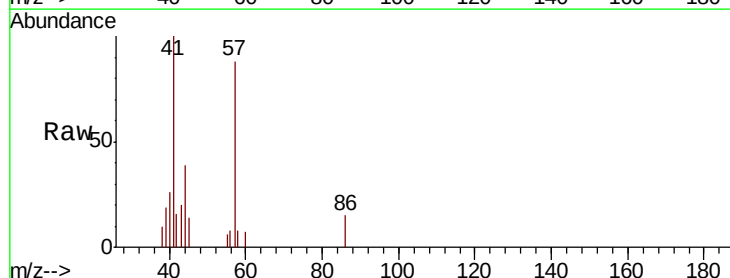
Tgt Ion: 41 Resp: 5574

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

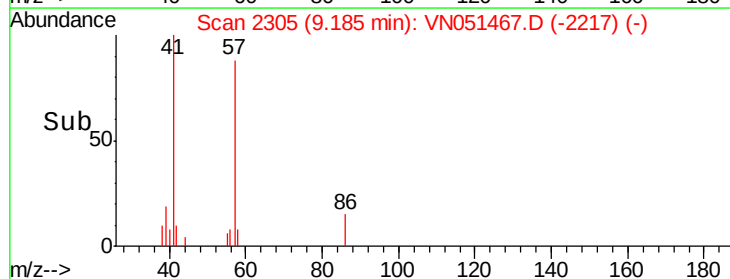
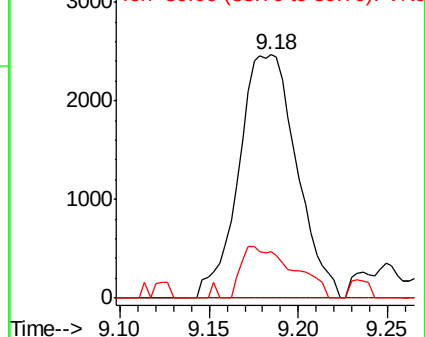
39 19.3 43.8 65.8#

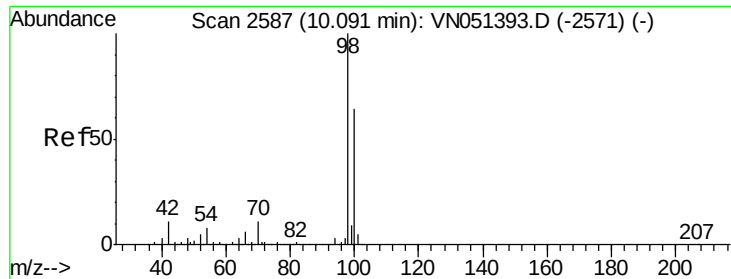


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

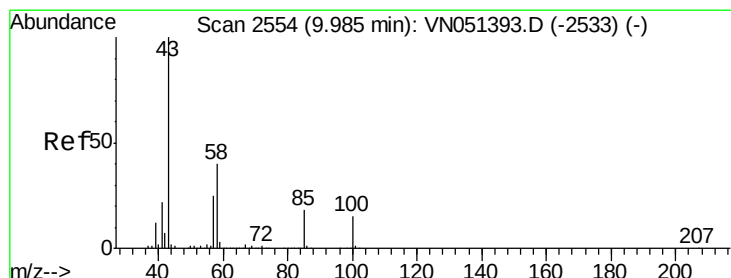
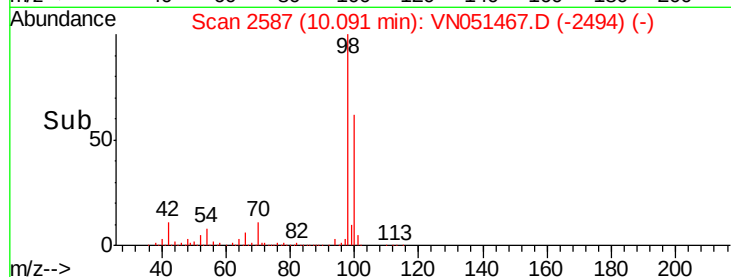
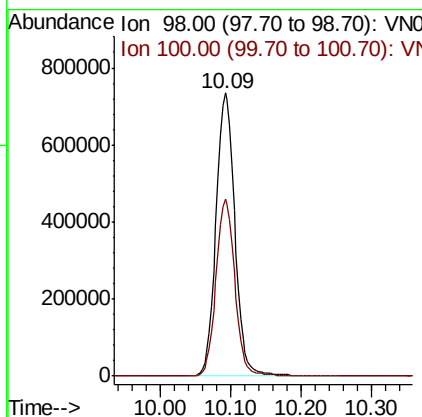
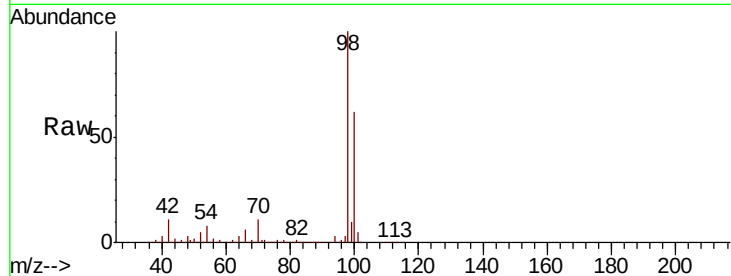




#50
Toluene-d8
Concen: 47.201 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

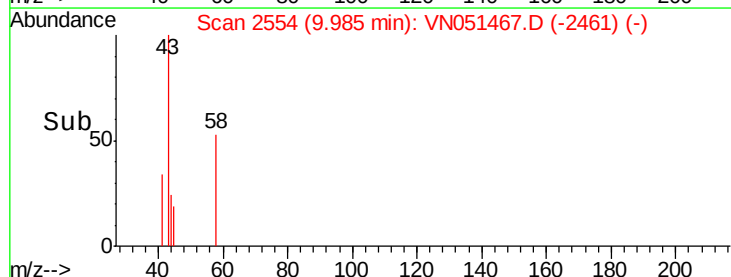
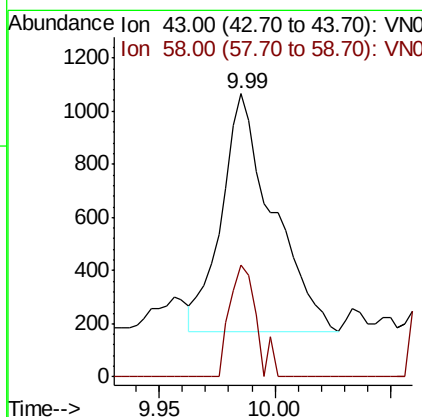
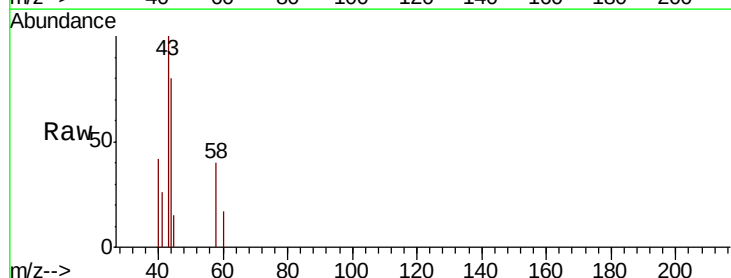
Instrument :
MSVOA_N
ClientSampled :
230-KV-B

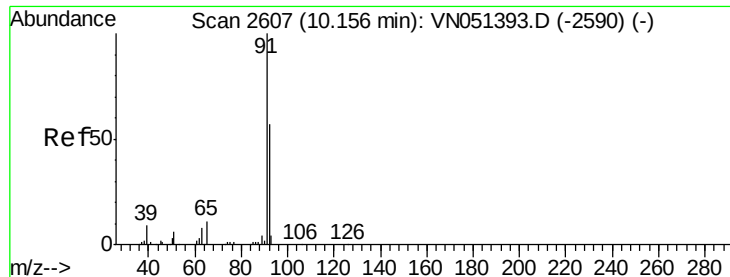
Tot Ion: 98 Resp: 1365552
Ion Ratio Lower Upper
98 100
100 62.5 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 0.216 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

Tgt Ion: 43 Resp: 1377
Ion Ratio Lower Upper
43 100
58 24.0 31.5 47.3#





#52

Toluene

Concen: 0.316 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

Instrument :

MSVOA_N

ClientSampleId :

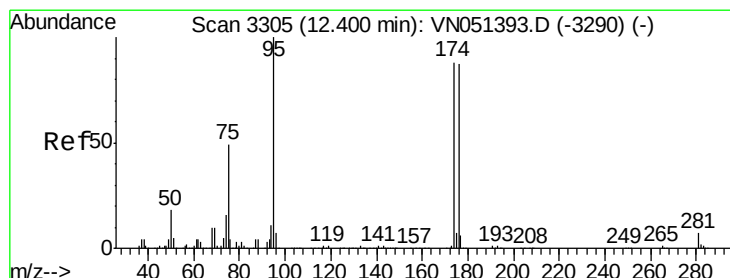
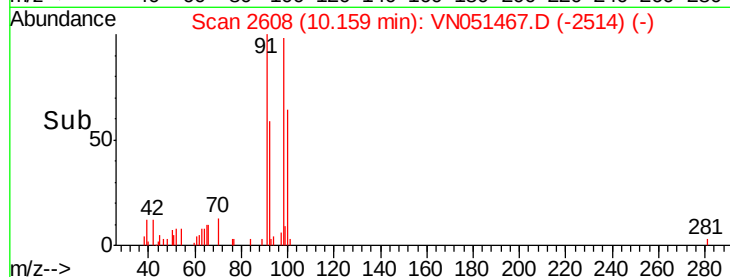
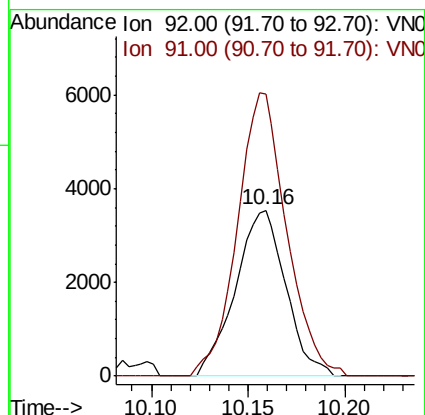
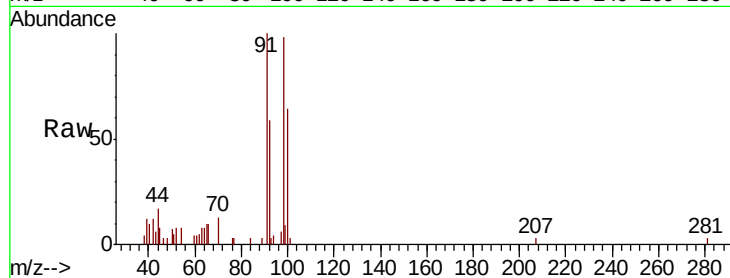
230-KV-B

Tot Ion: 92 Resp: 6408

Ion Ratio Lower Upper

92 100

91 166.9 142.2 213.4



#62

4-Bromofluorobenzene

Concen: 39.186 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

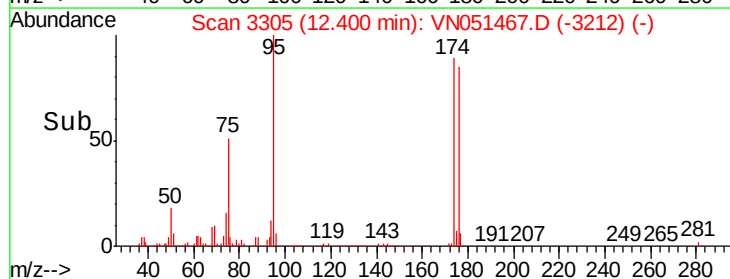
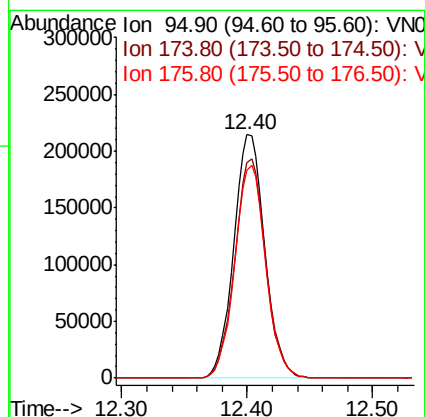
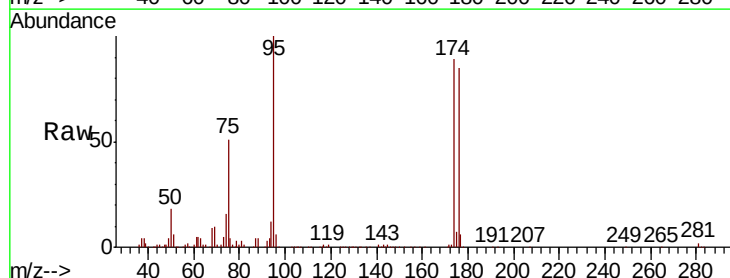
Tgt Ion: 95 Resp: 366746

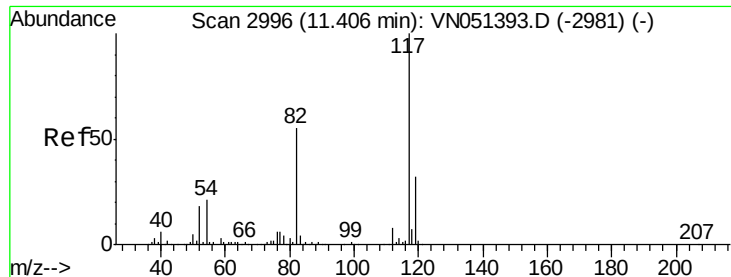
Ion Ratio Lower Upper

95 100

174 90.3 0.0 181.6

176 87.3 0.0 176.4

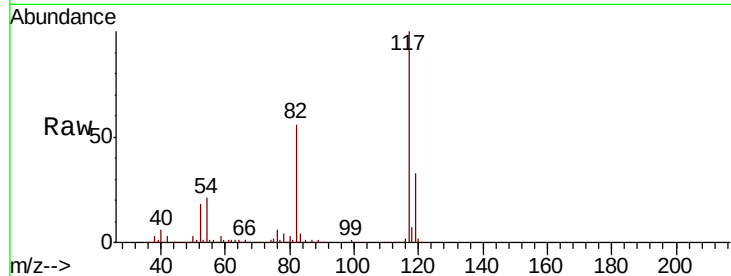




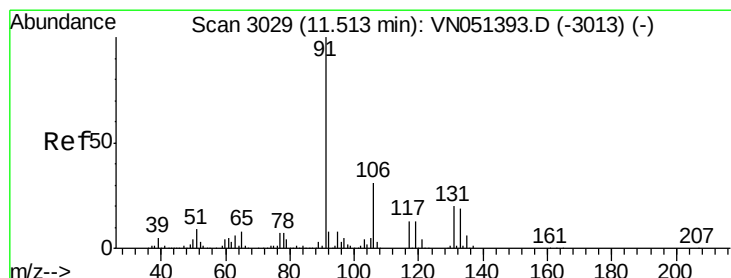
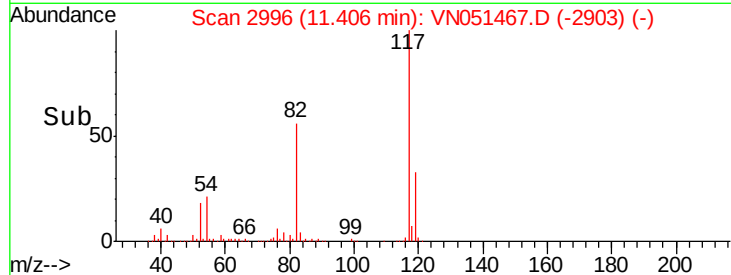
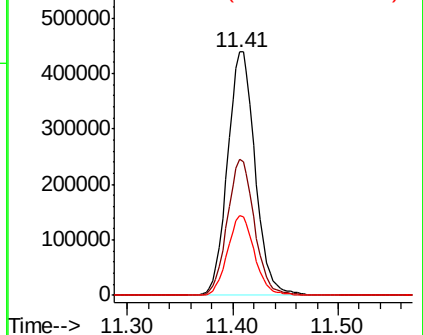
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

Instrument :
MSVOA_N
ClientSampleId :
230-KV-B

Tot Ion:117 Resp: 791950
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.7 25.9 38.9

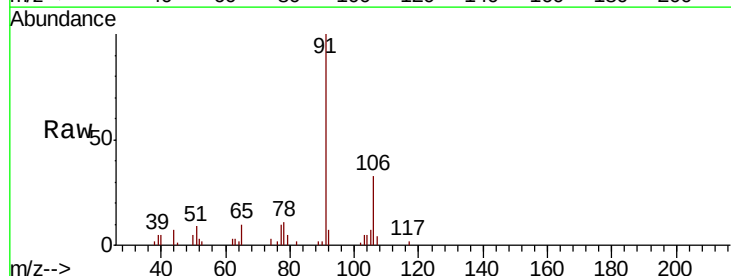


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

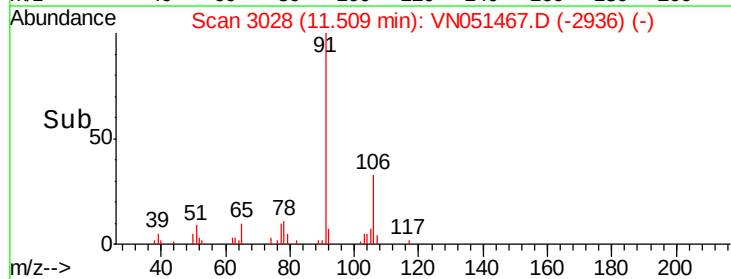
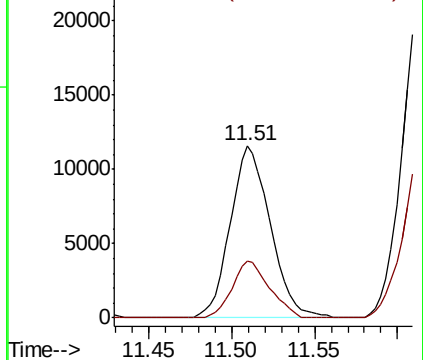


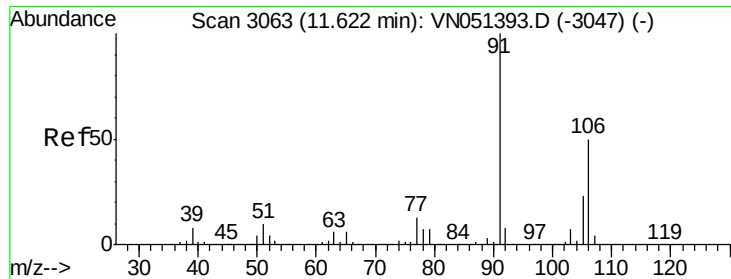
#67
Ethyl Benzene
Concen: 0.567 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

Tgt Ion: 91 Resp: 19424
Ion Ratio Lower Upper
91 100
106 33.1 25.0 37.4



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

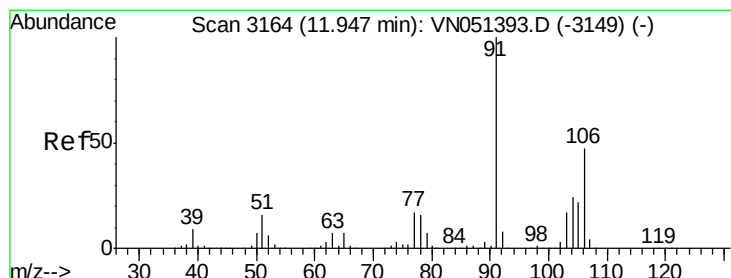
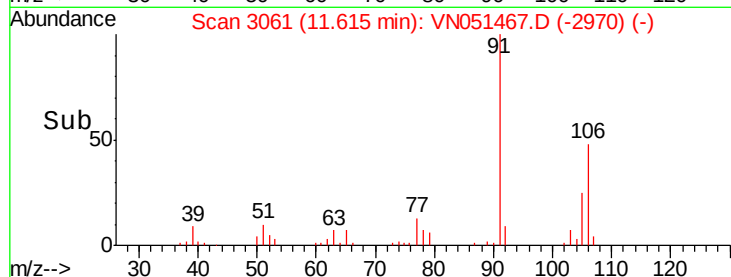
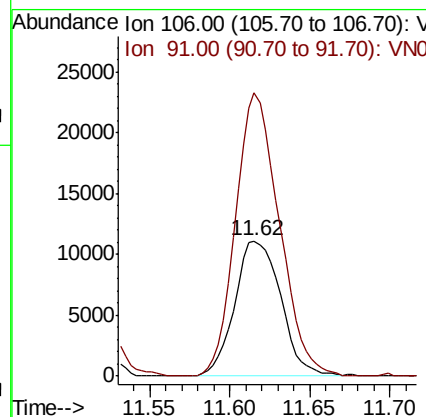
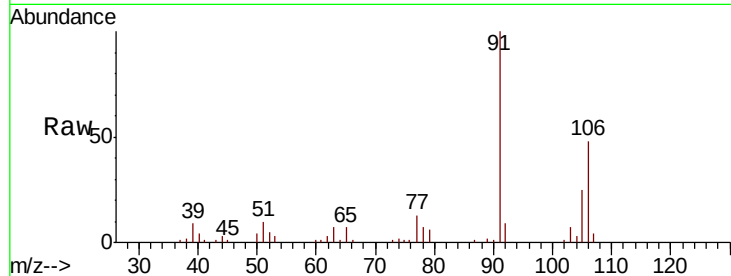




#68
m/p-Xylenes
Concen: 1.649 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

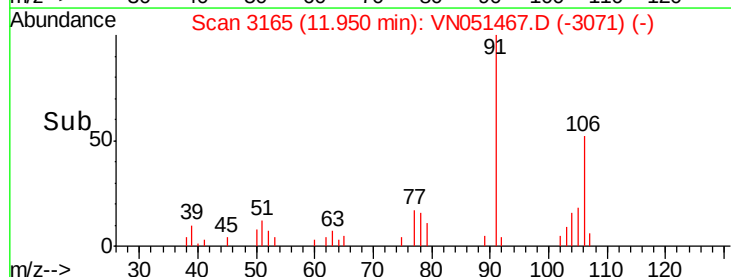
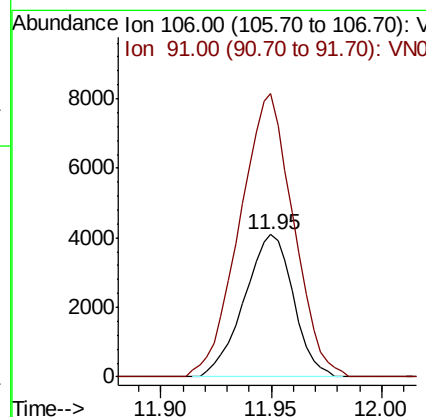
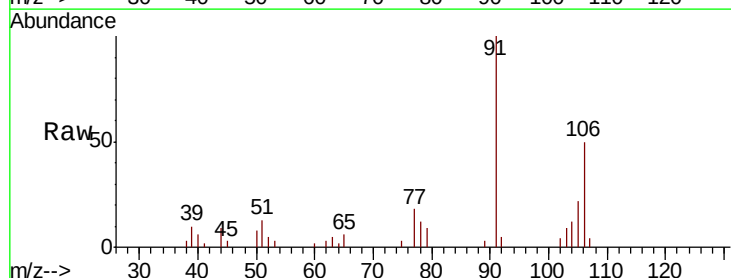
Instrument :
MSVOA_N
ClientSampled :
230-KV-B

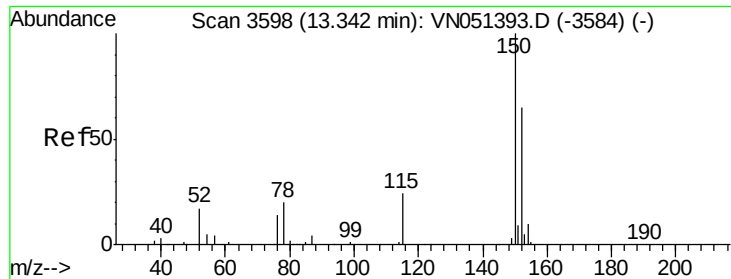
Tot Ion:106 Resp: 21835
Ion Ratio Lower Upper
106 100
91 198.6 161.3 241.9



#69
o-Xylene
Concen: 0.499 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051467.D
Acq: 24 Sep 2018 17:35

Tgt Ion:106 Resp: 6351
Ion Ratio Lower Upper
106 100
91 216.7 105.3 315.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051467.D

Acq: 24 Sep 2018 17:35

Instrument :

MSVOA_N

ClientSampleId :

230-KV-B

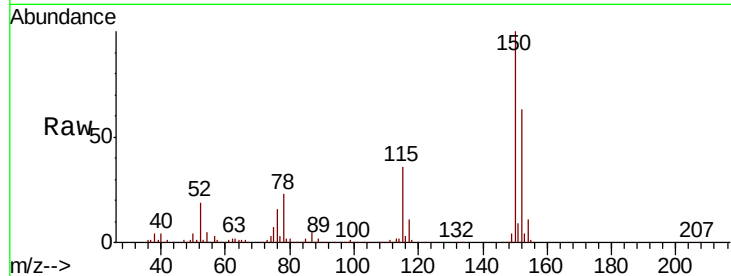
Tot Ion:152 Resp: 305752

Ion Ratio Lower Upper

152 100

115 56.0 28.3 84.9

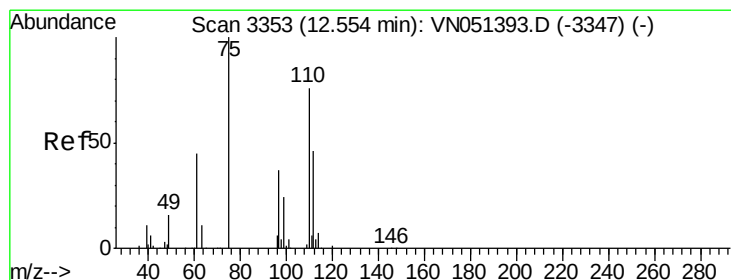
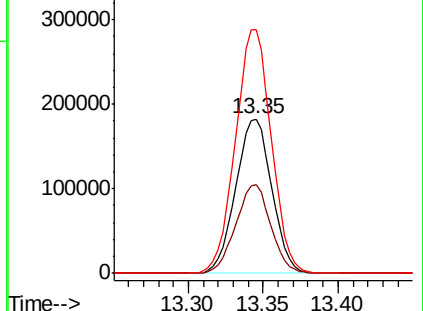
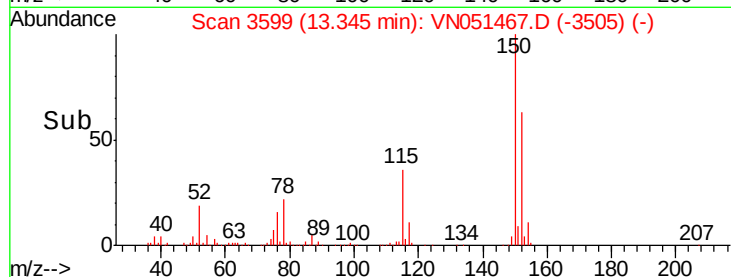
150 157.3 0.0 353.6



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: 35.846 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051467.D

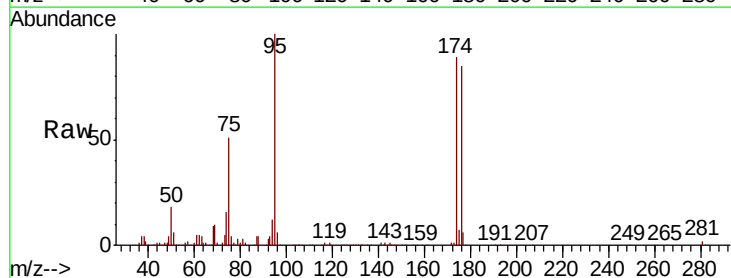
Acq: 24 Sep 2018 17:35

Tgt Ion: 75 Resp: 181945

Ion Ratio Lower Upper

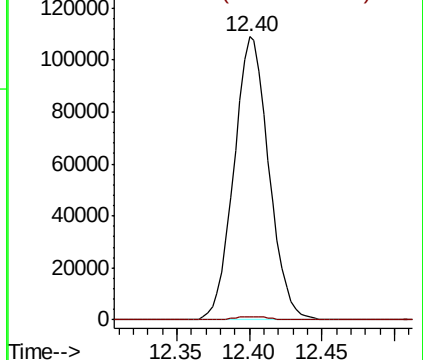
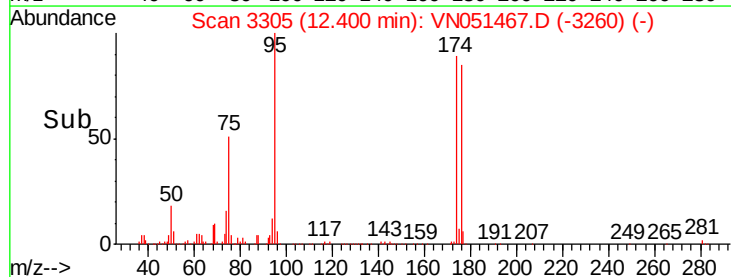
75 100

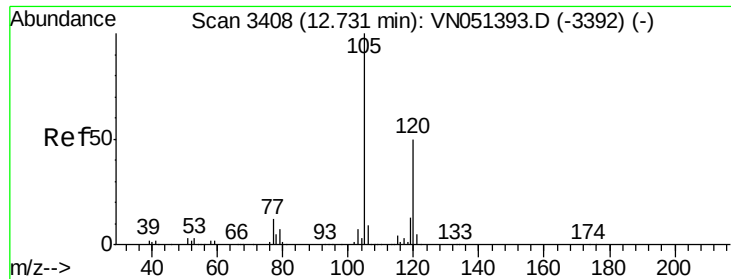
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

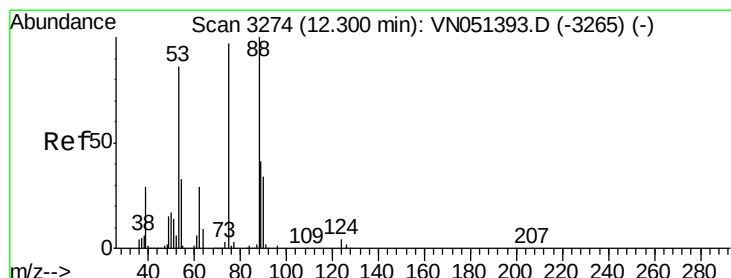
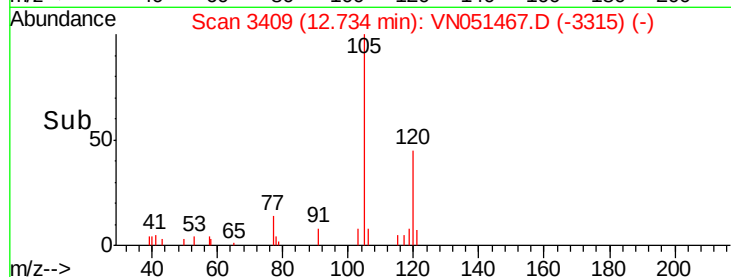
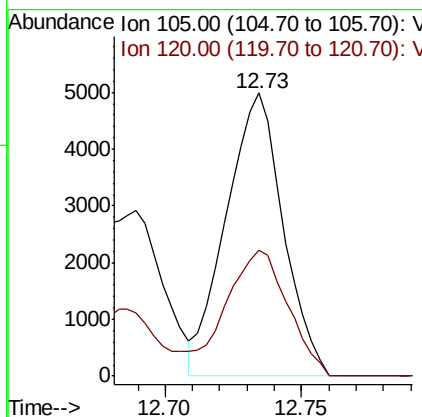
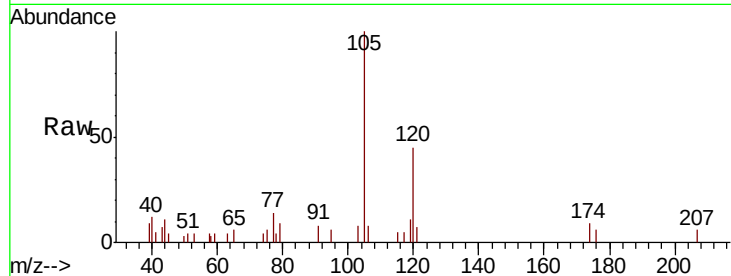




#80
 1,3,5-Trimethylbenzene
 Concen: 0.344 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051467.D
 Acq: 24 Sep 2018 17:35

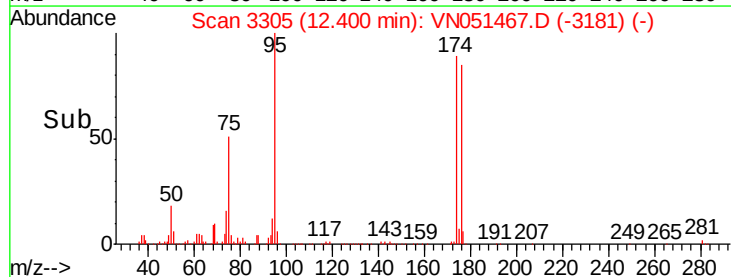
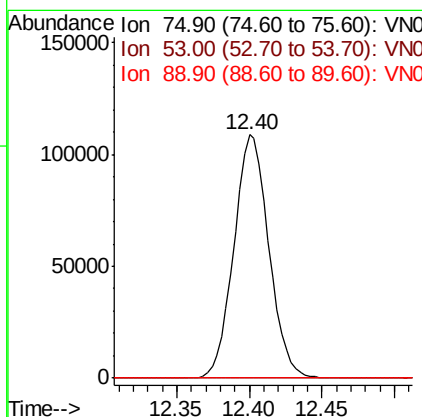
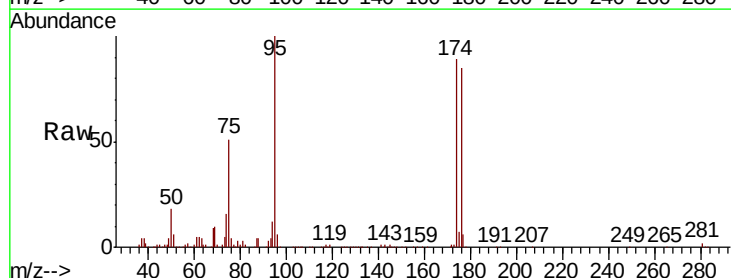
Instrument :
 MSVOA_N
 ClientSampled :
 230-KV-B

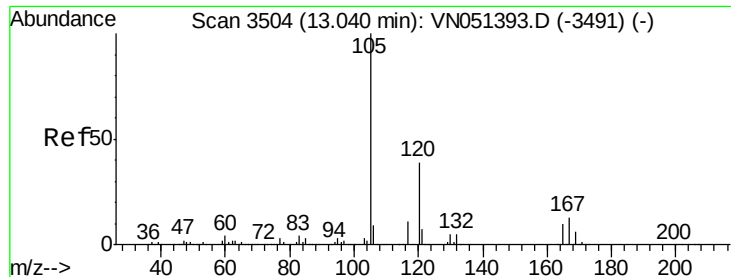
Tot Ion:105 Resp: 7244
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.225 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN051467.D
 Acq: 24 Sep 2018 17:35

Tgt Ion: 75 Resp: 181945
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.0 36.7 55.1#

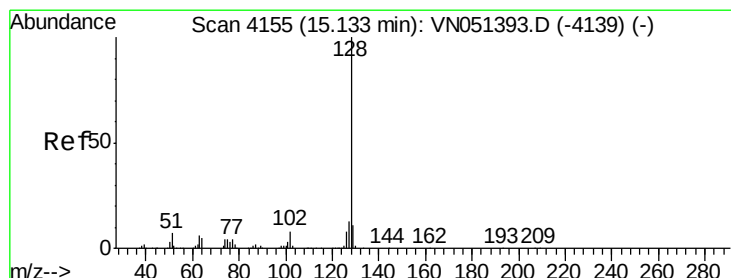
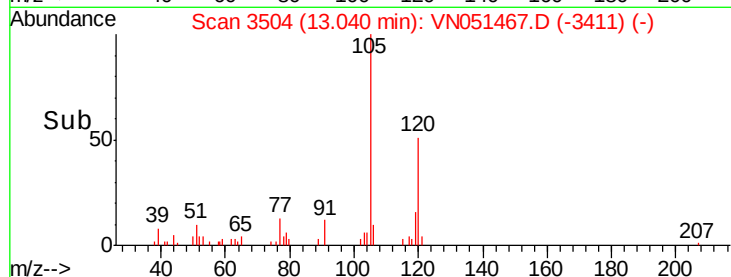
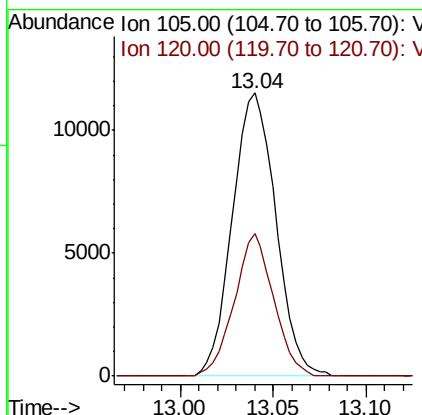
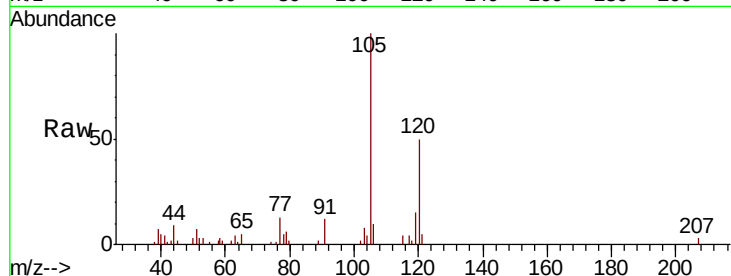




#84
 1,2,4-Trimethylbenzene
 Concen: 0.888 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051467.D
 Acq: 24 Sep 2018 17:35

Instrument :
 MSVOA_N
 ClientSampled :
 230-KV-B

Tot Ion:105 Resp: 18820
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.9 68.7



#95
 Naphthalene
 Concen: 11.954 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN051467.D
 Acq: 24 Sep 2018 17:35

Tgt Ion:128 Resp: 52973
 Ion Ratio Lower Upper
 128 100
 127 15.4 10.5 15.7
 129 11.9 8.6 12.8

