

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051116.D
 Acq On : 11 Sep 2018 10:41
 Operator : MD\SY
 Sample : J4849-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-A

Quant Time: Sep 12 01:01:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	669707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1003290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	441205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	385233	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.59	113	378567	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.09	98	1436016	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	523285	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	7963	0.42	ug/l	96
5) Bromomethane	2.57	94	2597	Below	Cal	95
10) Methyl Iodide	3.95	142	1521	5.82	ug/l #	57
13) Acrolein	3.61	56	196	24.54	ug/l	99
15) Acrylonitrile	5.00	53	523	0.21	ug/l #	37
16) Acetone	3.82	43	8095	Below	Cal	99
17) Carbon Disulfide	4.05	76	9858	0.58	ug/l #	94
18) Methyl Acetate	4.34	43	1399	0.23	ug/l #	80
20) Methylene Chloride	4.55	84	5292	0.64	ug/l	97
25) 2-Butanone	6.84	43	2050	0.70	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	2646	0.31	ug/l	87
28) Bromochloromethane	7.37	49	3148	0.52	ug/l #	7
30) Chloroform	7.37	83	46831	3.43	ug/l	99
31) Cyclohexane	7.66	56	25863	1.90	ug/l #	37
36) 1,1-Dichloropropene	7.66	75	42832	3.89	ug/l #	49
38) Carbon Tetrachloride	7.67	117	55856	5.15	ug/l #	17
39) Methylcyclohexane	9.08	83	47086	3.87	ug/l	97
40) Benzene	8.04	78	19049	0.57	ug/l	94
43) Isopropyl Acetate	8.29	43	26192	2.33	ug/l #	50
48) Methyl methacrylate	9.15	41	1100	0.20	ug/l #	10
51) 4-Methyl-2-Pentanone	9.98	43	2106	0.34	ug/l #	74
52) Toluene	10.16	92	5705	0.28	ug/l	87
55) 1,1,2-Trichloroethane	10.53	97	47133	6.41	ug/l #	19
56) Ethyl methacrylate	10.44	69	23168	4.69	ug/l #	10
58) 2-Chloroethyl Vinyl ether	9.70	63	30	15.23	ug/l #	47
59) 2-Hexanone	10.72	43	51422	12.18	ug/l #	26
67) Ethyl Benzene	11.51	91	64201	1.68	ug/l	99
68) m/p-Xylenes	11.63	106	73107	4.98	ug/l	92
73) Isopropylbenzene	12.25	105	8306572	224.50	ug/l	100
74) N-amyl acetate	12.04	43	485175	52.10	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.47	83	61219	5.81	ug/l #	26
76) 1,2,3-Trichloropropane	12.59	75	87971	11.72	ug/l #	100
78) n-propylbenzene	12.59	91	15514741	381.48	ug/l	97
79) 2-Chlorotoluene	12.59	91	15514741	610.34	ug/l #	39

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

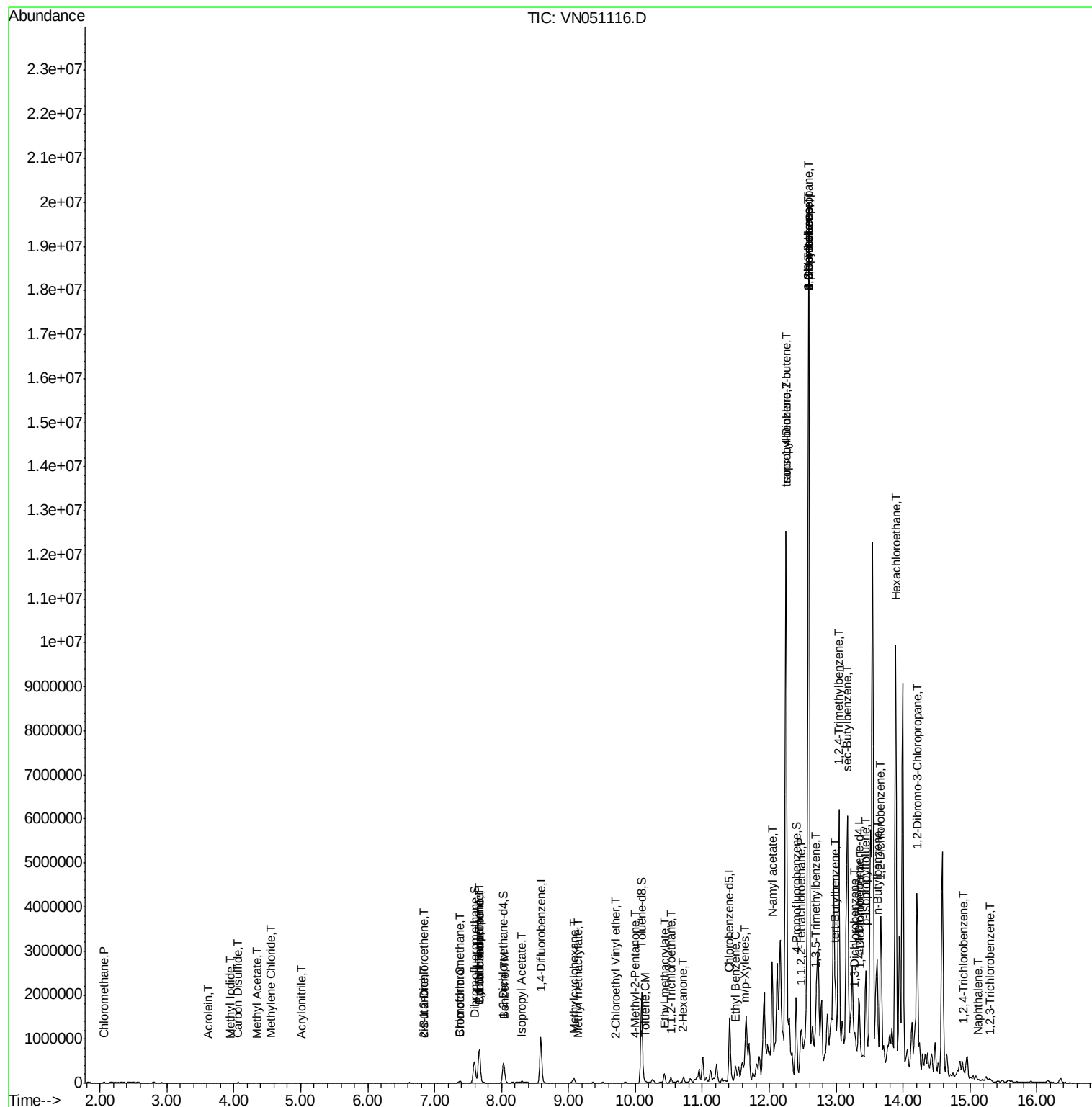
80) 1,3,5-Trimethylbenzene	12.69	105	212138	7.09	ug/l #	28
81) trans-1,4-Dichloro-2-buten	12.25	75	85297	36.72	ug/l #	56
82) 4-Chlorotoluene	12.59	91	15517266	614.95	ug/l #	40
83) tert-Butylbenzene	12.99	119	659950	24.99	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	3056223	103.91	ug/l	100
85) sec-Butylbenzene	13.17	105	3377459	99.72	ug/l #	75
86) p-Isopropyltoluene	13.44	119	1255065	43.70	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	4630	0.27	ug/l #	1
88) 1,4-Dichlorobenzene	13.36	146	9699	0.64	ug/l #	1
89) n-Butylbenzene	13.62	91	1431227	64.04	ug/l #	85
90) Hexachloroethane	13.89	117	474473	91.26	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	7201	0.44	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.21	75	14772	12.19	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	9334	5.06	ug/l #	1
94) Hexachlorobutadiene	15.01	225	2766	Below	Cal	88
95) Naphthalene	15.13	128	31192	7.02	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	9648	4.15	ug/l #	1

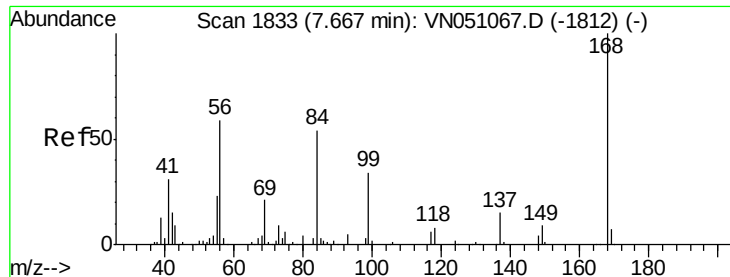
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

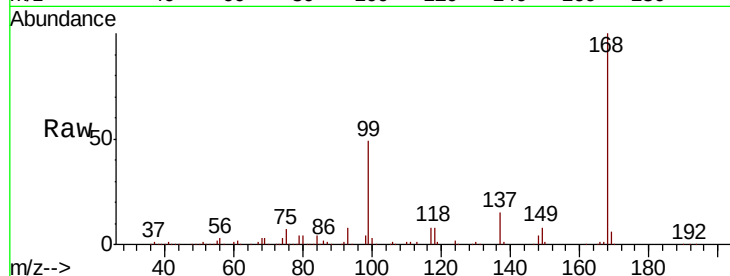
EP1-MW-A

Tot Ion:168 Resp: 669707

Ion Ratio Lower Upper

168 100

99 48.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

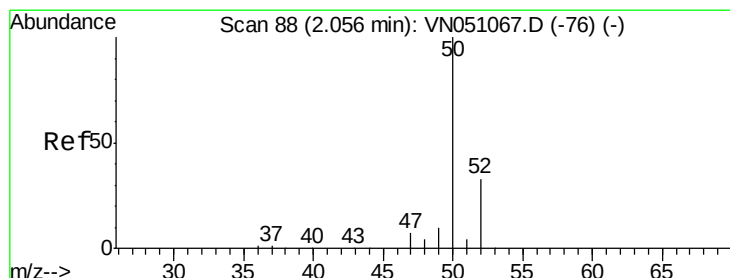
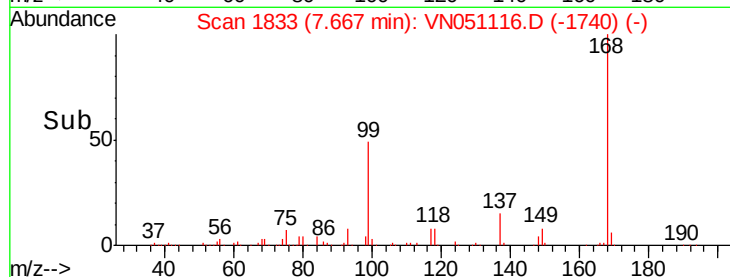
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.42 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051116.D

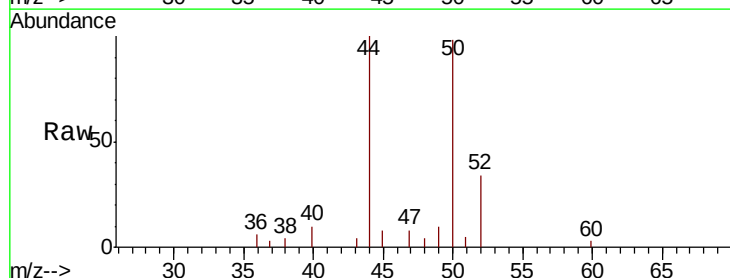
Acq: 11 Sep 2018 10:41

Tgt Ion: 50 Resp: 7963

Ion Ratio Lower Upper

50 100

52 34.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

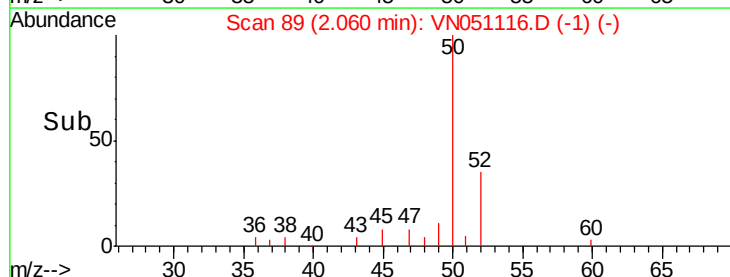
6000

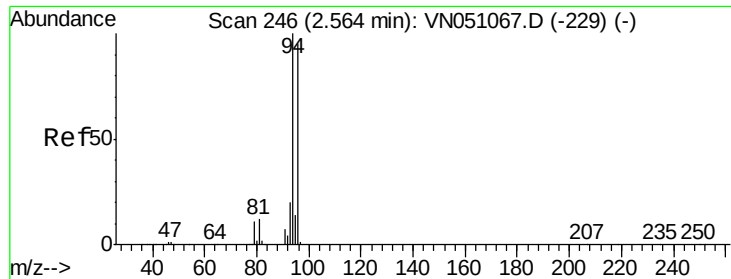
4000

2000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

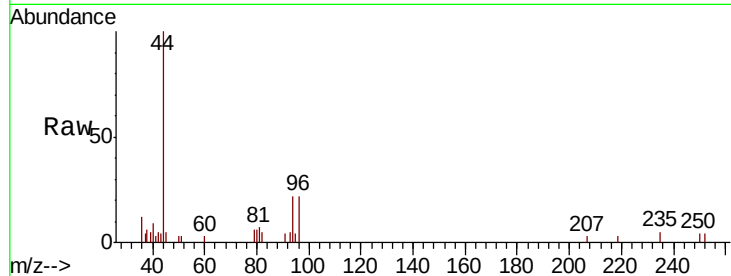
EP1-MW-A

Tot Ion: 94 Resp: 2597

Ion Ratio Lower Upper

94 100

96 99.8 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051116.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051116.D (-153) (-)

2.57

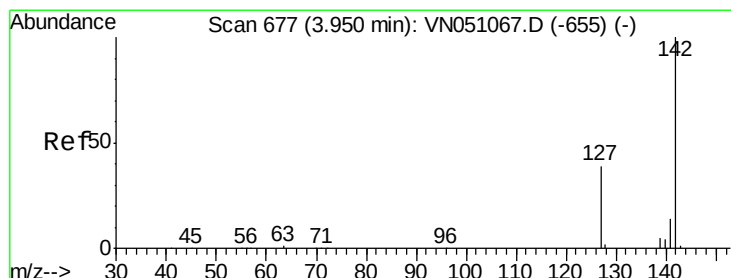
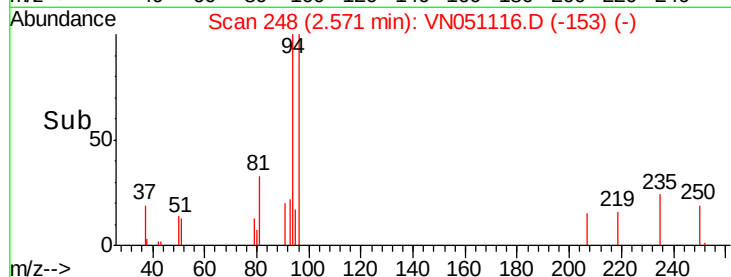
1000

500

0

2.50 2.55 2.60

Time-->



#10

Methyl Iodide

Concen: 5.82 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

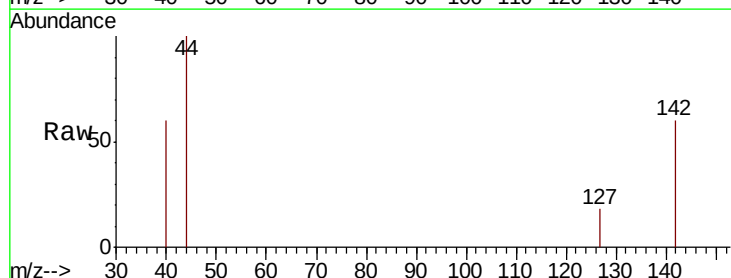
Tgt Ion: 142 Resp: 1521

Ion Ratio Lower Upper

142 100

127 10.9 31.0 46.4#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): VN051116.D (-584) (-)

Ion 126.80 (126.50 to 127.50): VN051116.D (-584) (-)

Ion 140.80 (140.50 to 141.50): VN051116.D (-584) (-)

3.95

600

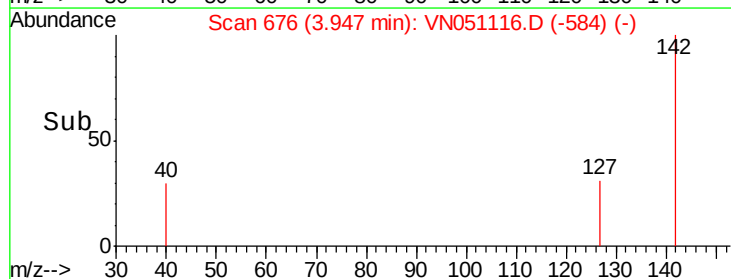
400

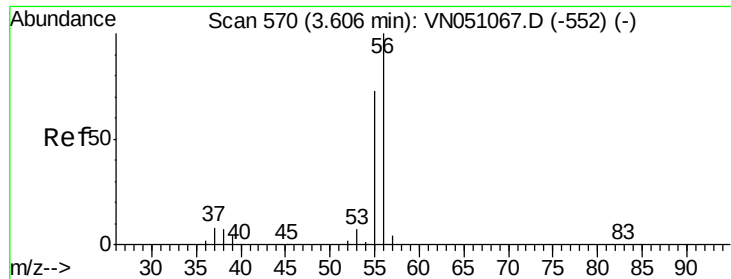
200

0

3.90 3.95 4.00

Time-->





#13

Acrolein

Concen: 24.54 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

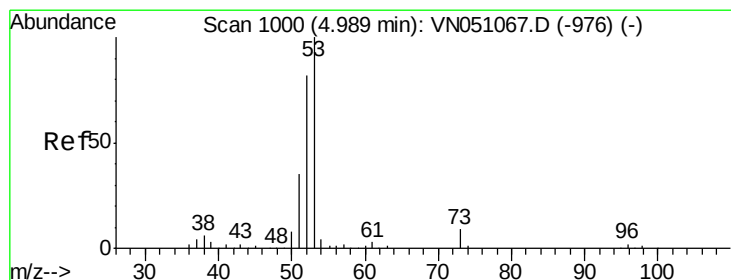
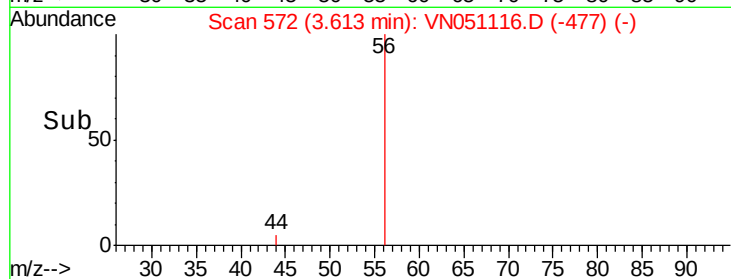
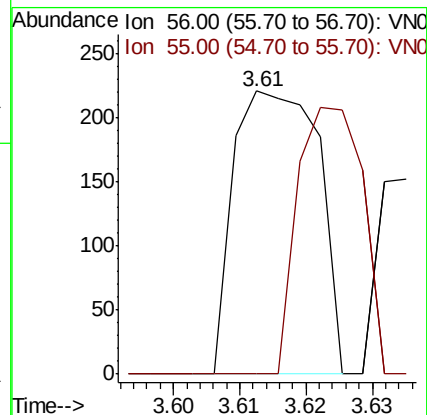
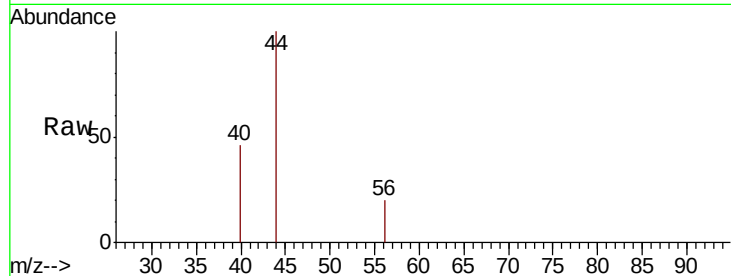
EP1-MW-A

Tot Ion: 56 Resp: 196

Ion Ratio Lower Upper

56 100

55 73.0 58.0 87.0



#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

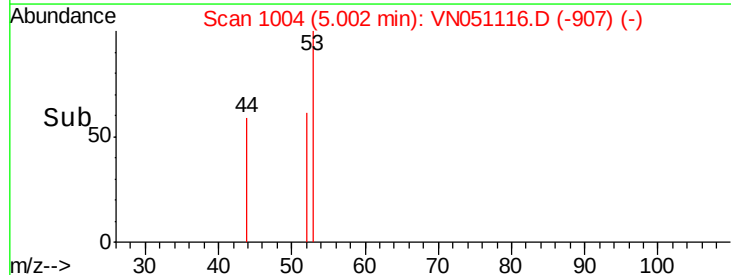
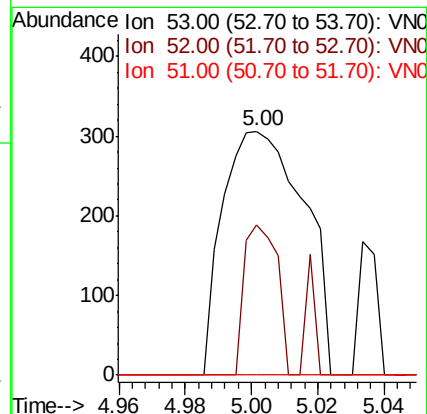
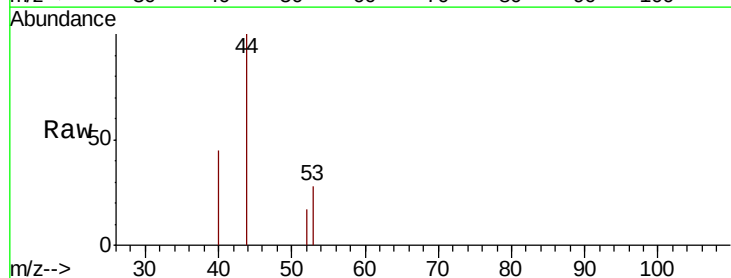
Tgt Ion: 53 Resp: 523

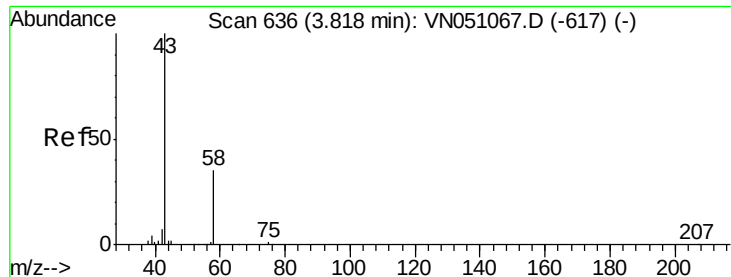
Ion Ratio Lower Upper

53 100

52 25.0 65.3 97.9#

51 0.0 28.2 42.2#

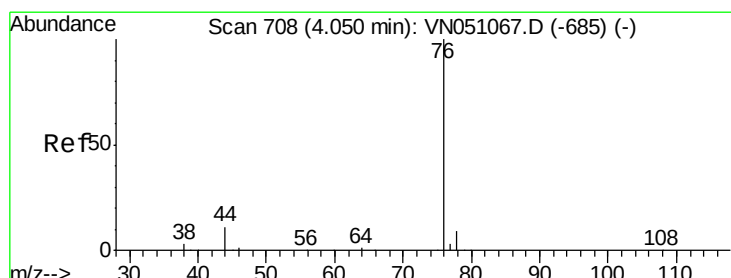
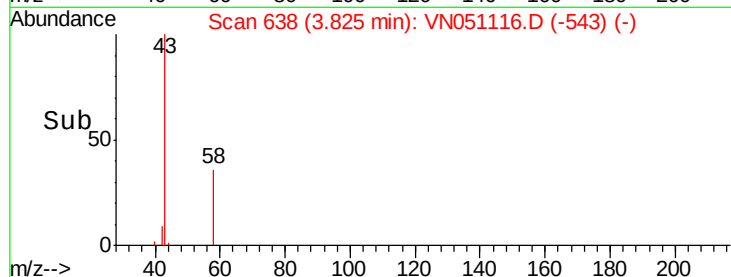
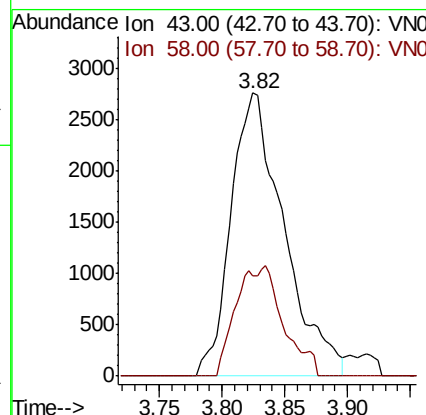
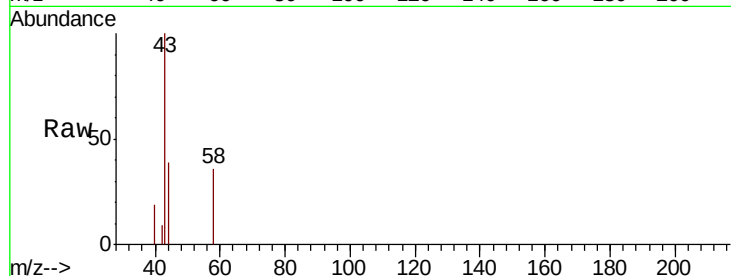




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

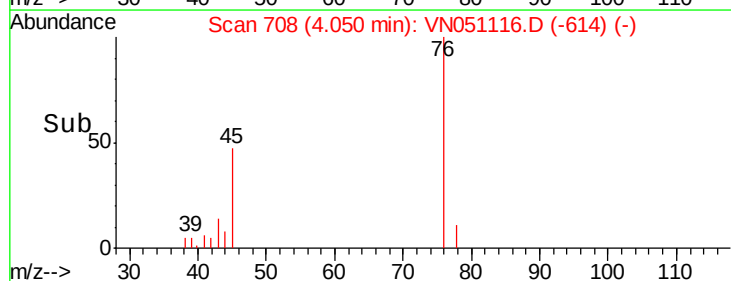
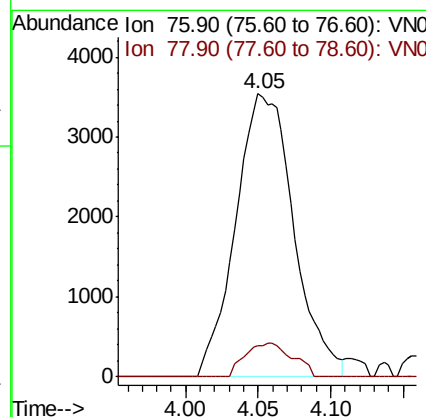
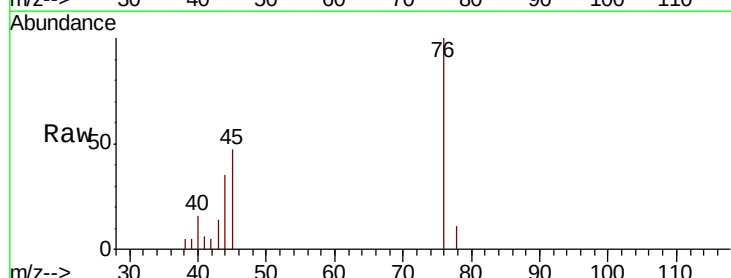
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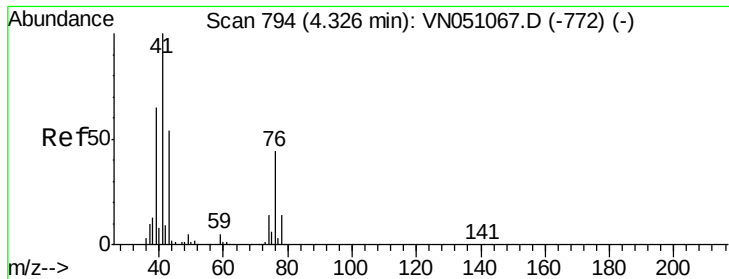
Tot Ion: 43 Resp: 8095
Ion Ratio Lower Upper
43 100
58 35.5 27.8 41.6



#17
Carbon Disulfide
Concen: 0.58 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion: 76 Resp: 9858
Ion Ratio Lower Upper
76 100
78 11.0 7.0 10.6#

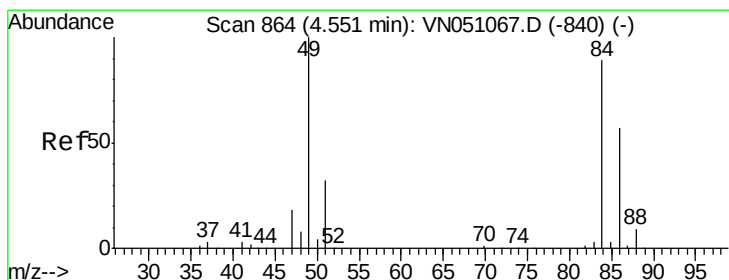
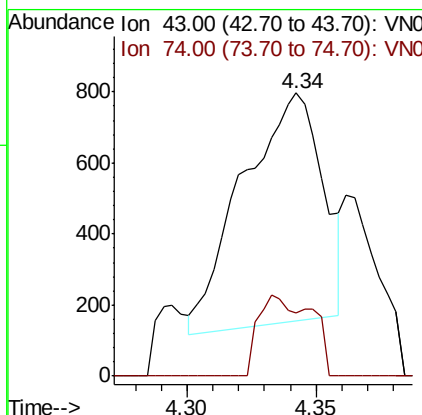
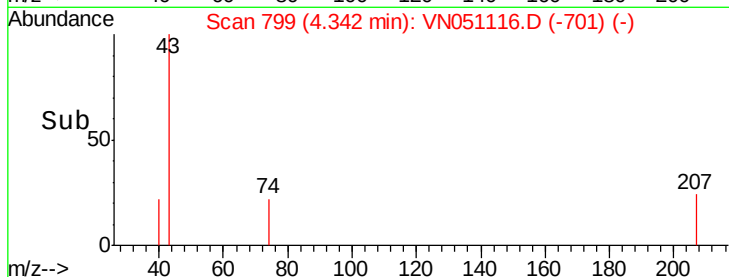
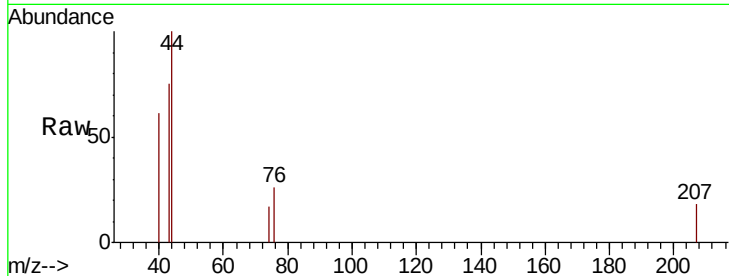




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

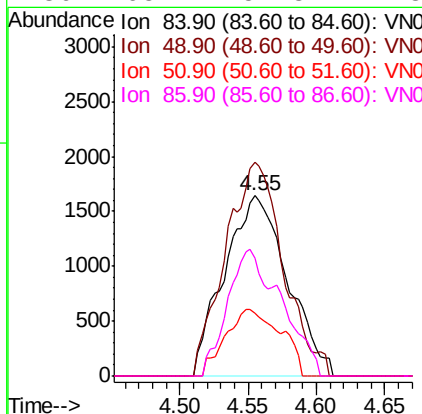
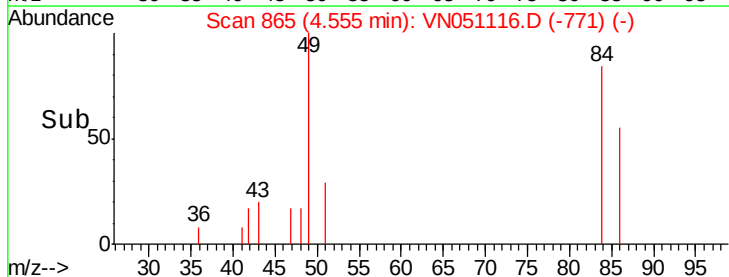
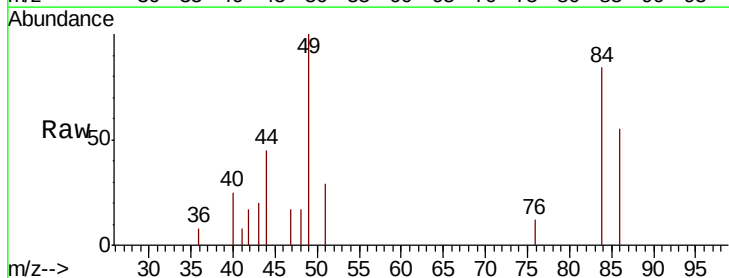
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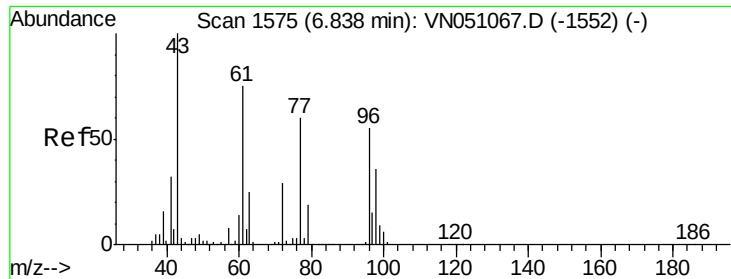
Tot Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
74 15.9 20.7 31.1#



#20
Methylene Chloride
Concen: 0.64 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion: 84 Resp: 5292
Ion Ratio Lower Upper
84 100
49 118.4 90.2 135.2
51 34.7 28.4 42.6
86 65.2 51.8 77.8

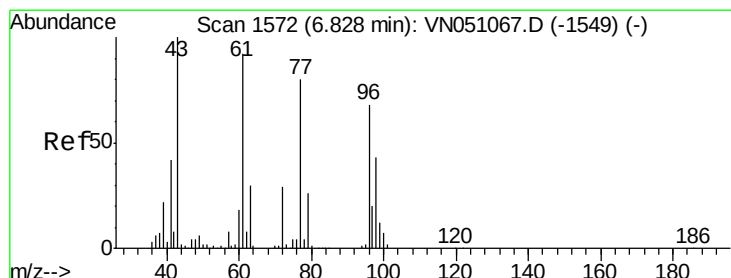
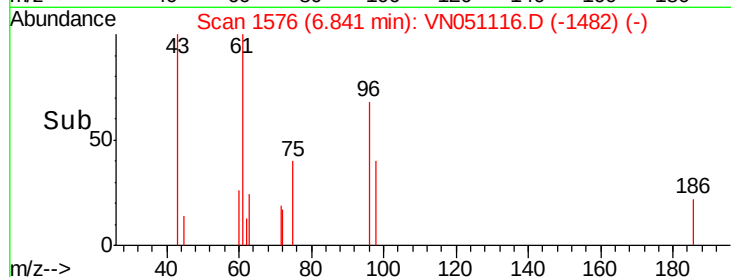
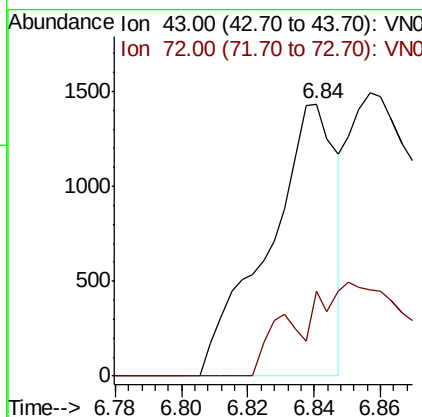
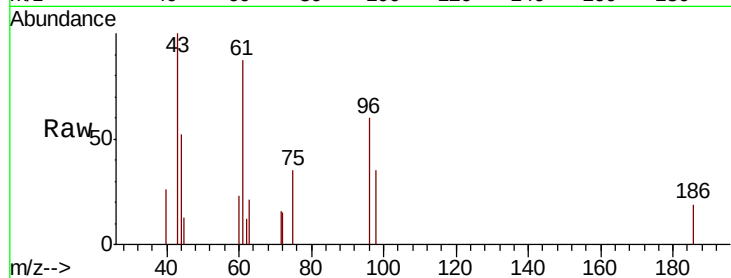




#25
2-Butanone
Concen: 0.70 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

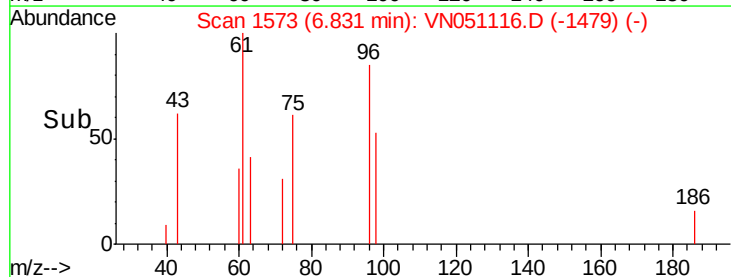
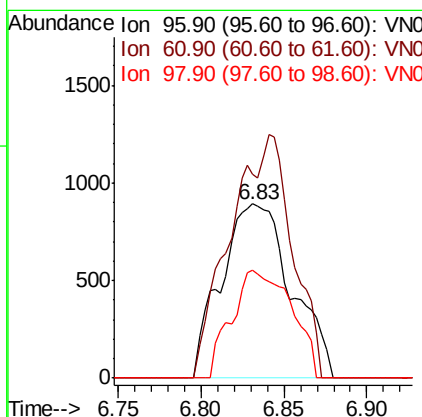
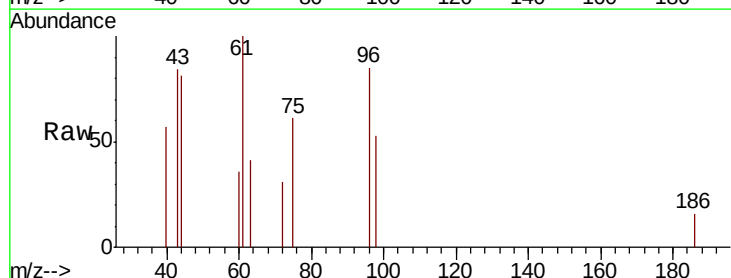
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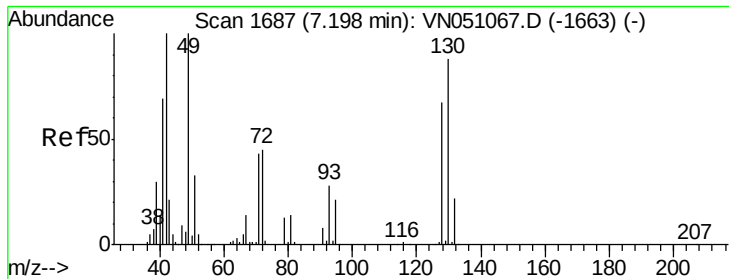
Tot Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
72 31.4 23.0 34.6



#27
cis-1,2-Dichloroethene
Concen: 0.31 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion: 96 Resp: 2646
Ion Ratio Lower Upper
96 100
61 123.9 0.0 278.2
98 52.6 0.0 129.4





#28

Bromochloromethane

Concen: 0.52 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.18 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-A

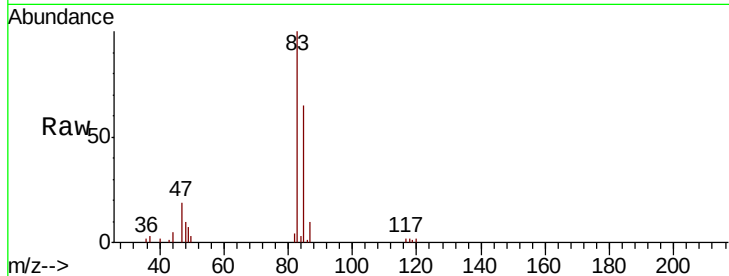
Tot Ion: 49 Resp: 3148

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

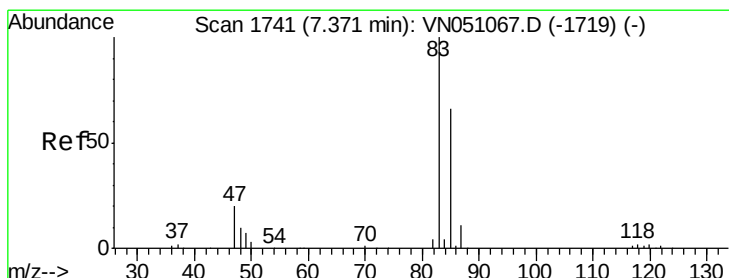
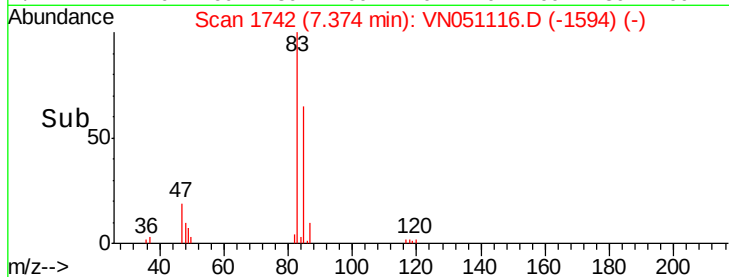
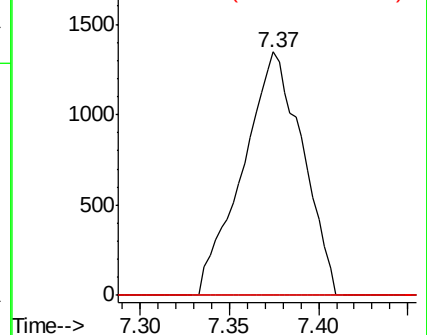
130 0.0 70.7 106.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 3.43 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051116.D

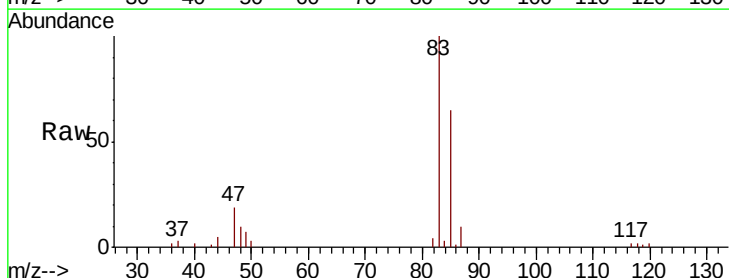
Acq: 11 Sep 2018 10:41

Tgt Ion: 83 Resp: 46831

Ion Ratio Lower Upper

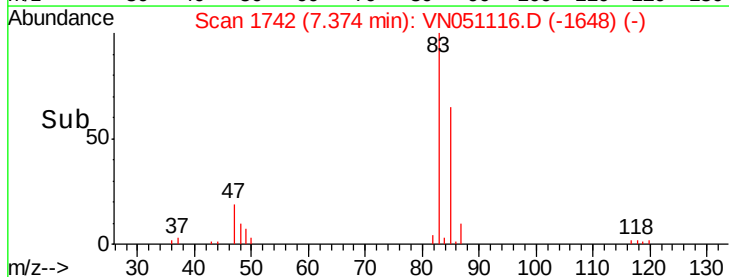
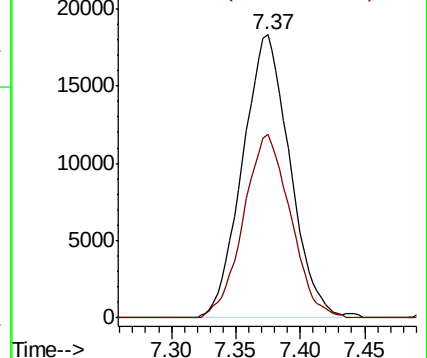
83 100

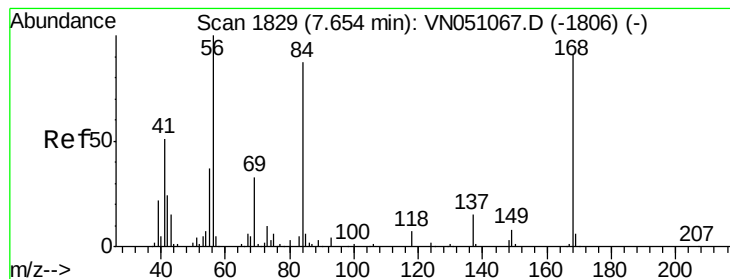
85 64.7 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.90 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-A

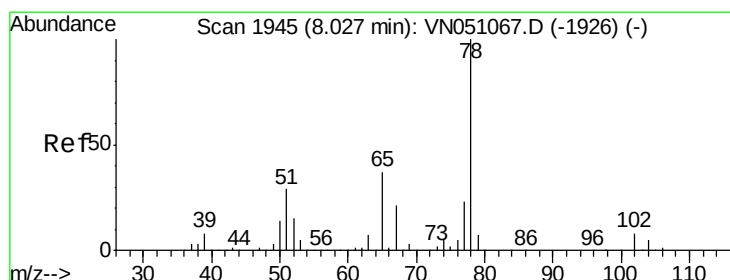
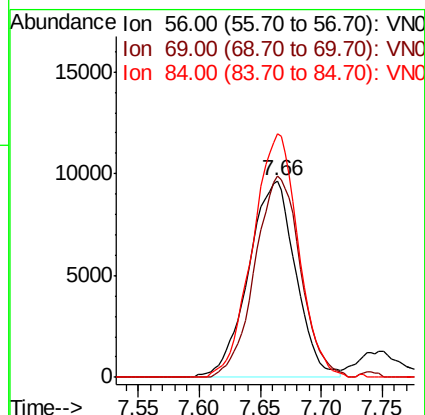
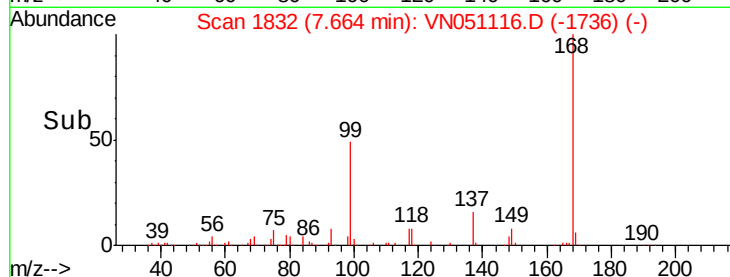
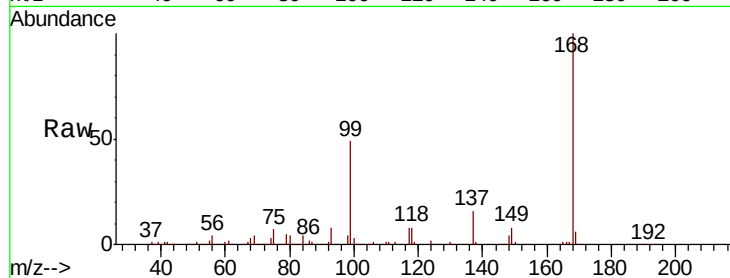
Tot Ion: 56 Resp: 25863

Ion Ratio Lower Upper

56 100

69 102.1 26.3 39.5#

84 123.7 69.4 104.0#



#33

1,2-Dichloroethane-d4

Concen: 51.69 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051116.D

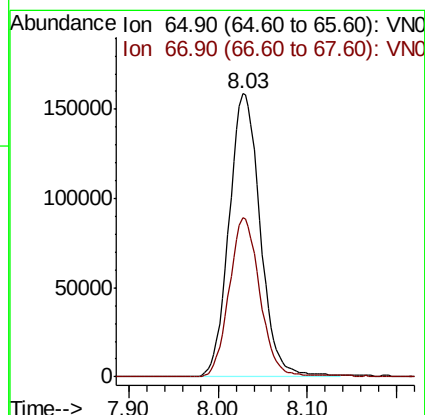
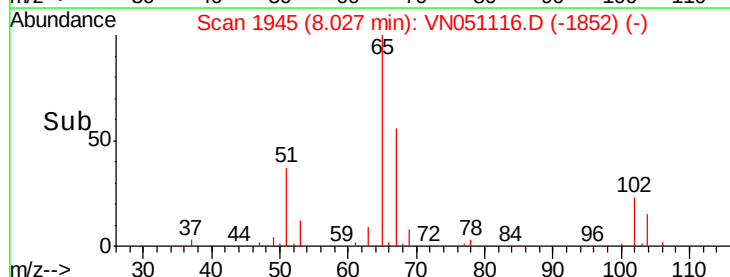
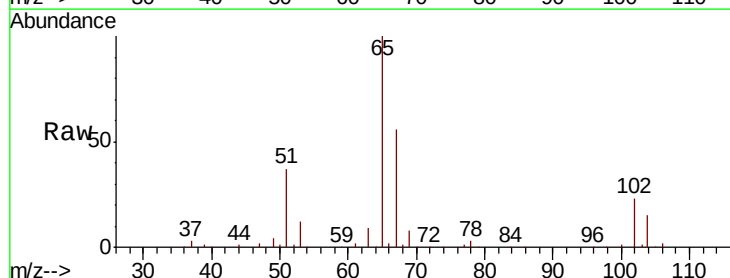
Acq: 11 Sep 2018 10:41

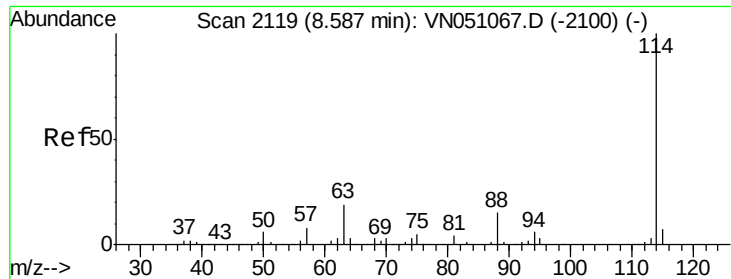
Tgt Ion: 65 Resp: 385233

Ion Ratio Lower Upper

65 100

67 55.1 0.0 112.0

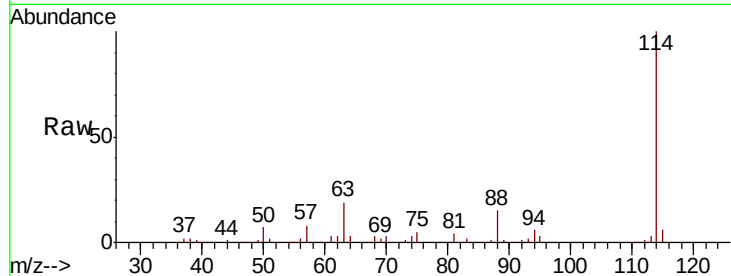




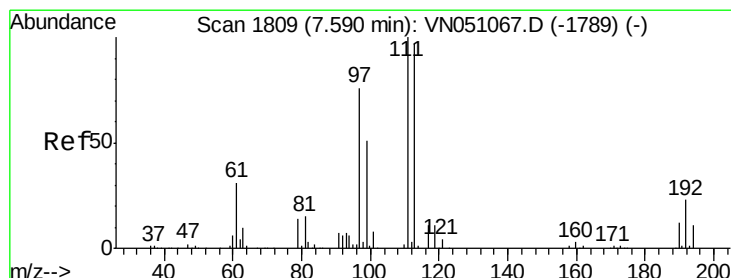
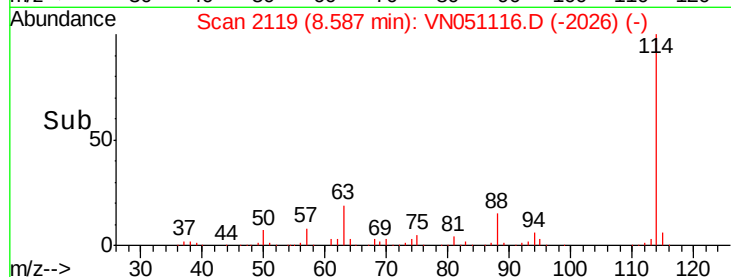
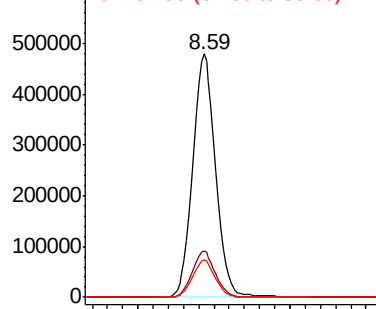
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-A

Tot Ion:114 Resp: 1003290
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.8
88 15.2 0.0 30.8

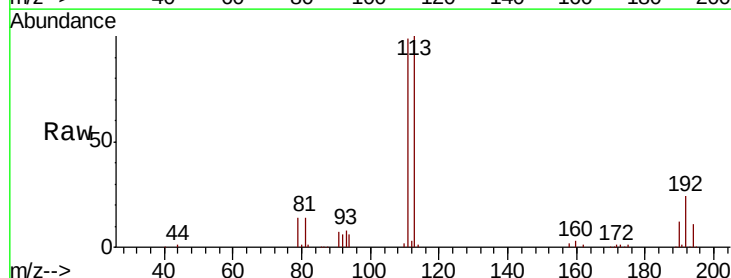


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

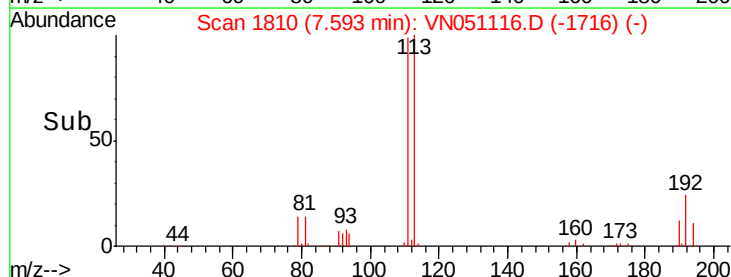
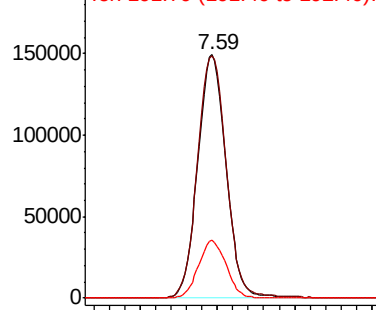


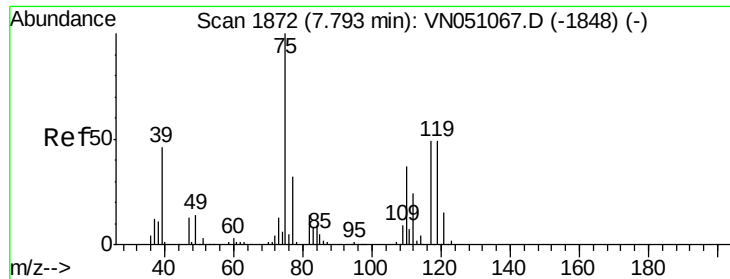
#35
Dibromofluoromethane
Concen: 50.22 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion:113 Resp: 378567
Ion Ratio Lower Upper
113 100
111 101.1 83.0 124.6
192 23.2 18.7 28.1



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

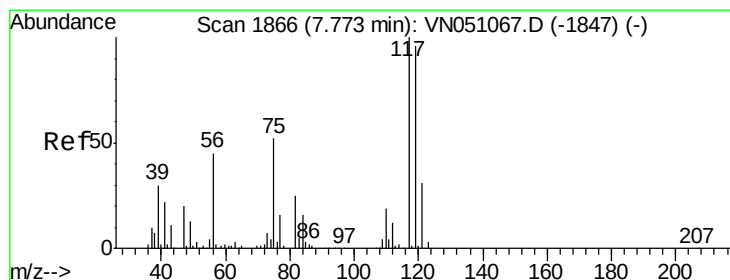
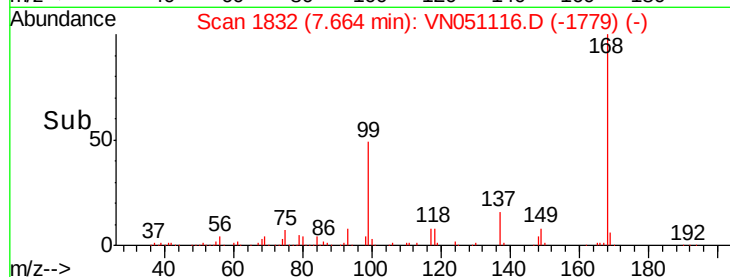
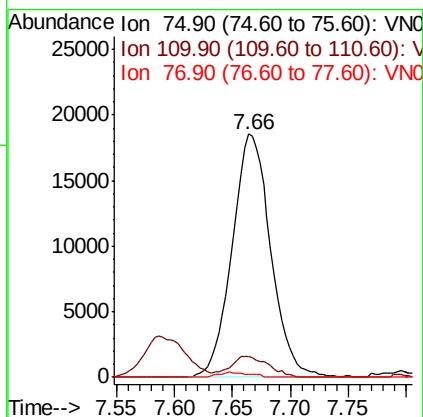
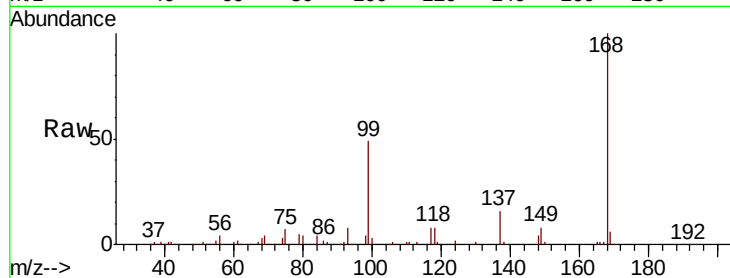




#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

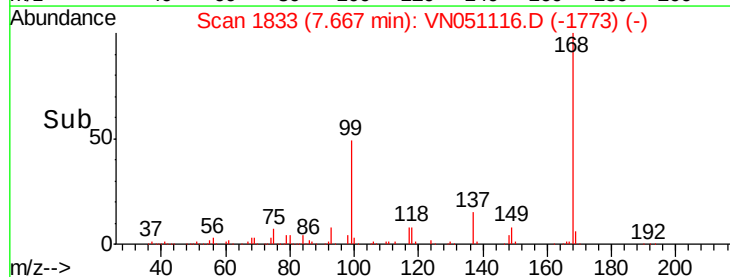
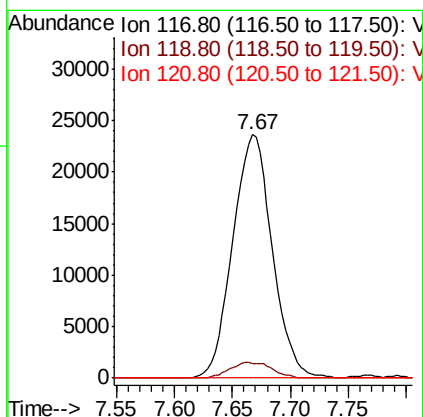
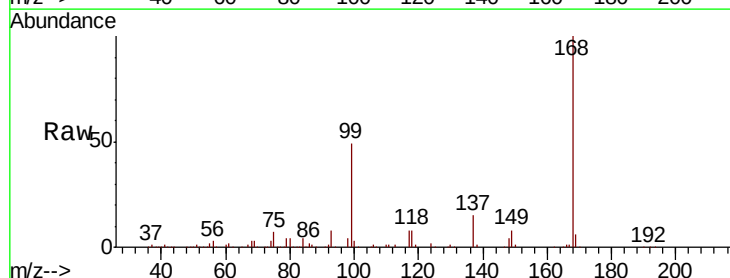
Instrument :
 MSVOA_N
 ClientSampleID :
 EP1-MW-A

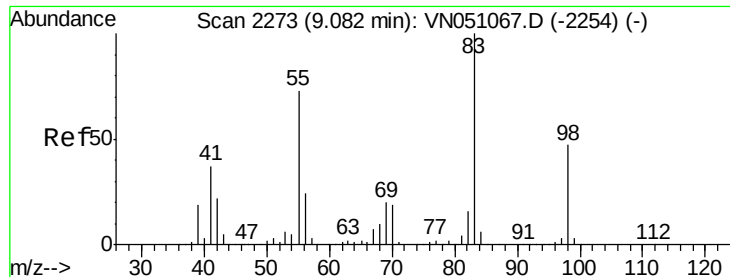
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.6	55.8#
77	1.6	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.15 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.8	115.2#
121	0.0	24.6	36.8#

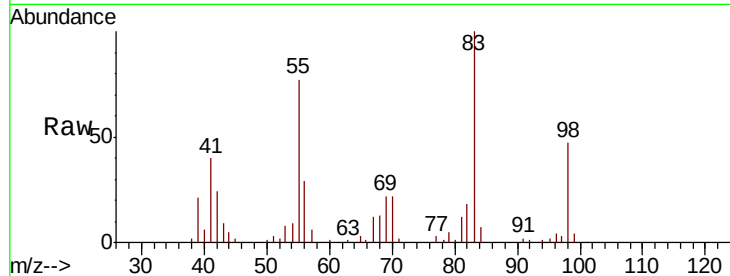




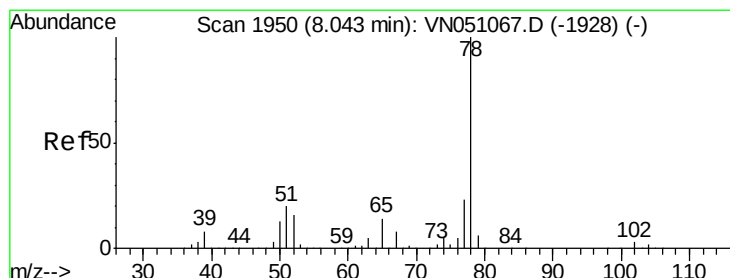
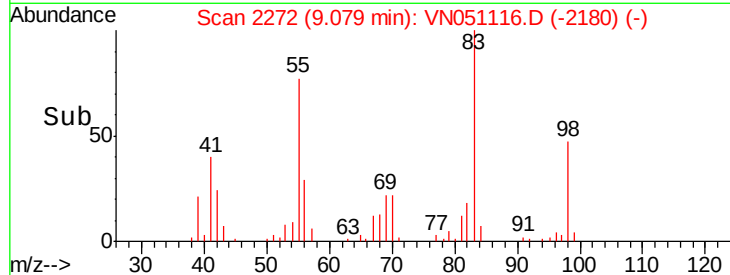
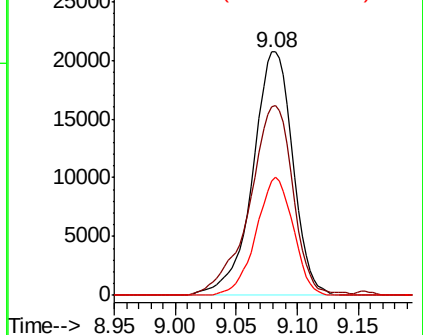
#39
Methylvlcyclohexane
Concen: 3.87 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-A

Tot Ion: 83 Resp: 47086
Ion Ratio Lower Upper
83 100
55 77.3 58.4 87.6
98 46.9 37.3 55.9

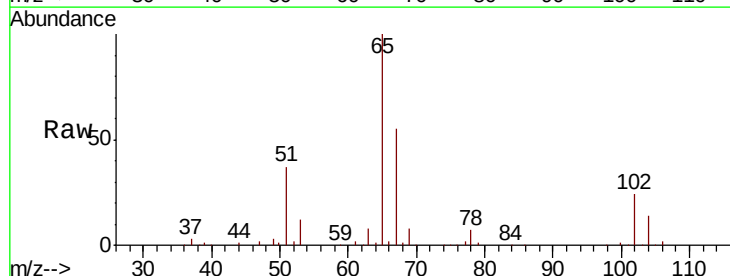


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

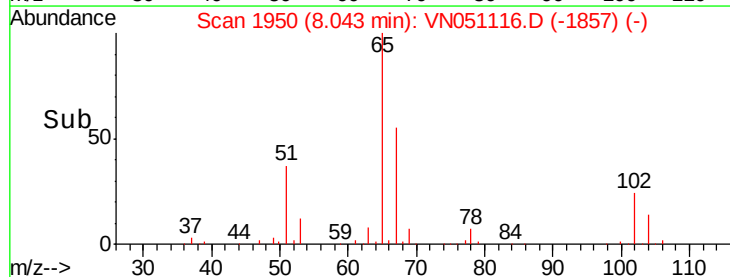
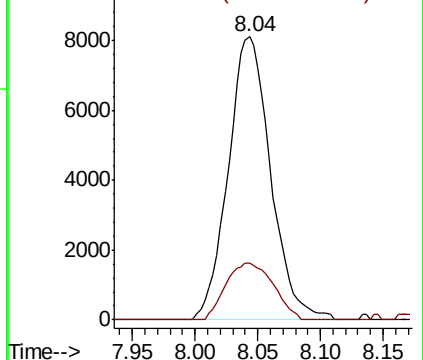


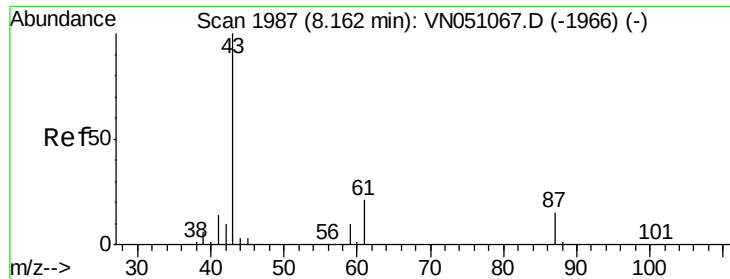
#40
Benzene
Concen: 0.57 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion: 78 Resp: 19049
Ion Ratio Lower Upper
78 100
77 20.1 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 2.33 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-A

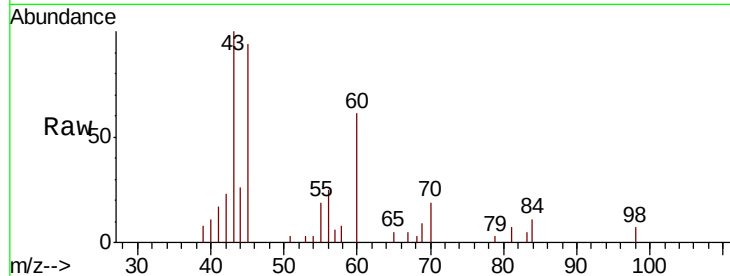
Tot Ion: 43 Resp: 26192

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

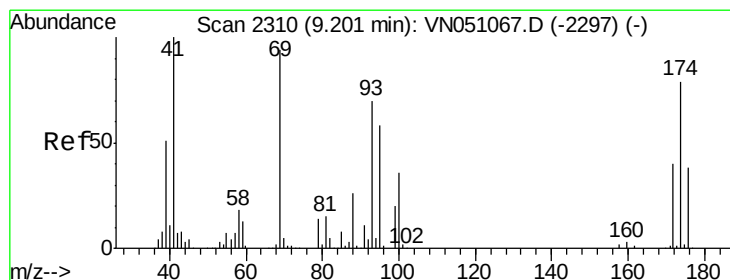
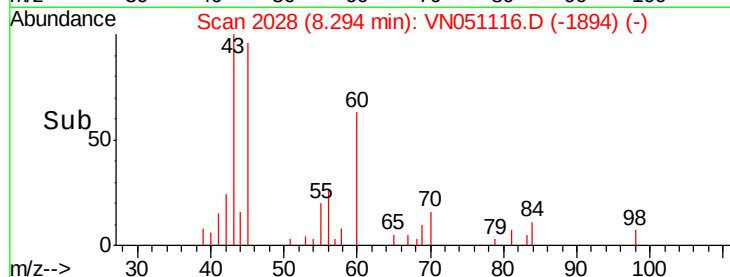
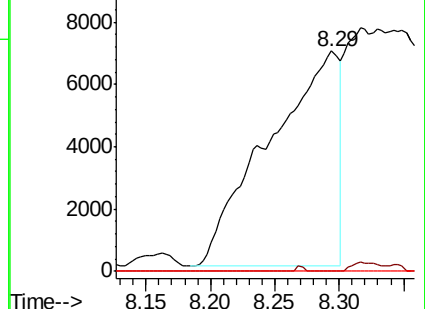
87 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VN051116.D (-2028) (-)

Ion 61.00 (60.70 to 61.70): VN051116.D (-2028) (-)

Ion 87.00 (86.70 to 87.70): VN051116.D (-2028) (-)



#48

Methyl methacrylate

Concen: 0.20 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.05 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

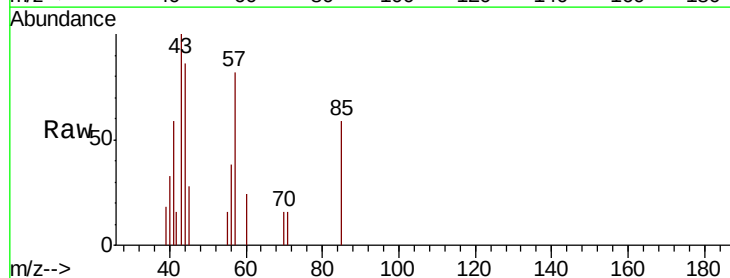
Tgt Ion: 41 Resp: 1100

Ion Ratio Lower Upper

41 100

69 0.0 77.7 116.5#

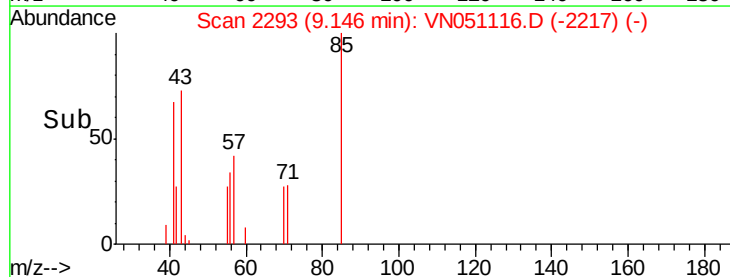
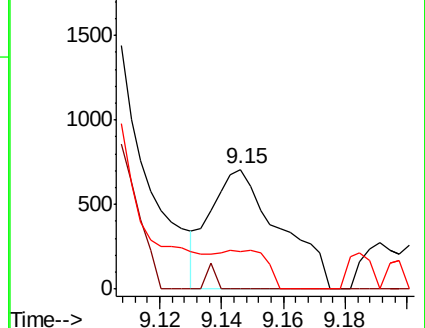
39 0.0 41.6 62.4#

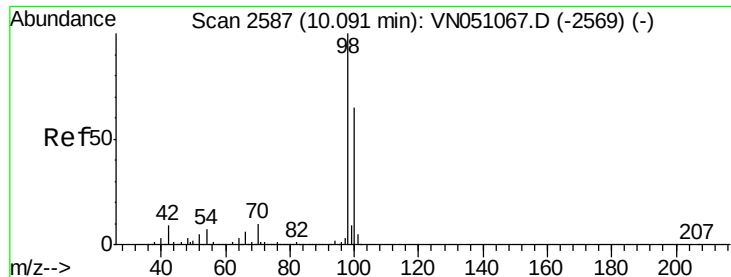


Abundance Ion 41.00 (40.70 to 41.70): VN051116.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN051116.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN051116.D (-2293) (-)





#50

Toluene-d8

Concen: 50.20 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

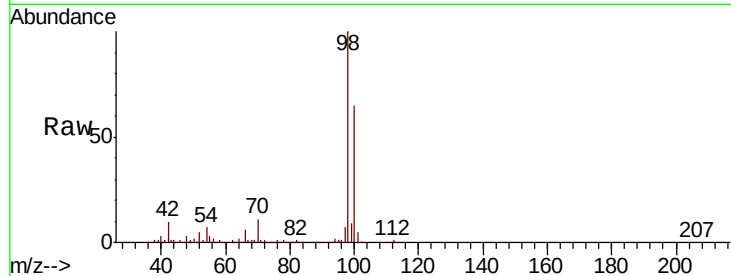
EP1-MW-A

Tot Ion: 98 Resp: 1436016

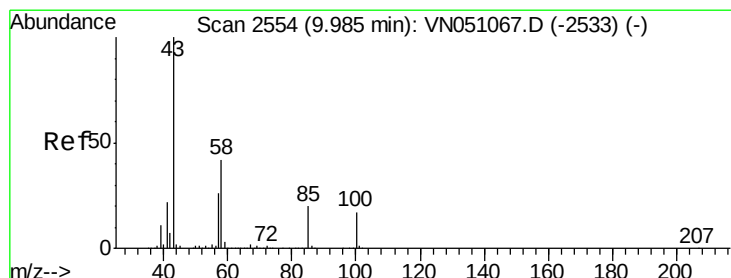
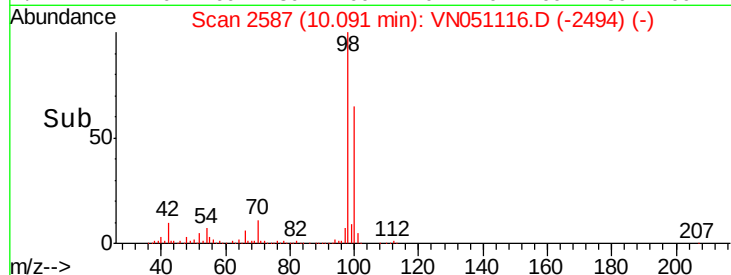
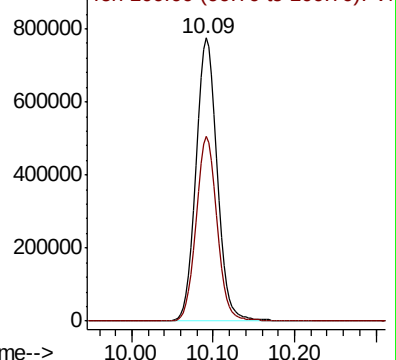
Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051067.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.34 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN051116.D

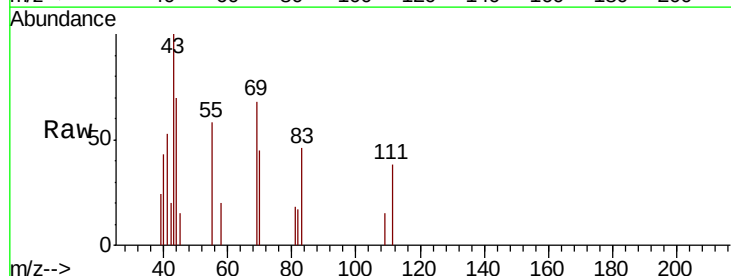
Acq: 11 Sep 2018 10:41

Tgt Ion: 43 Resp: 2106

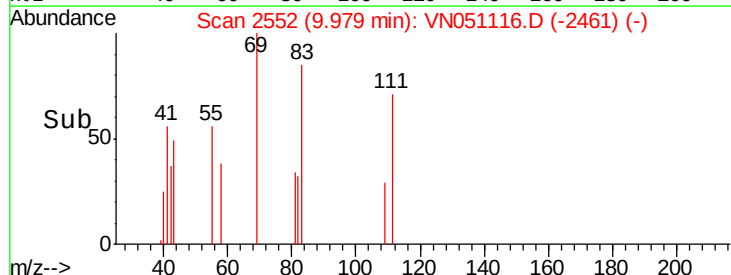
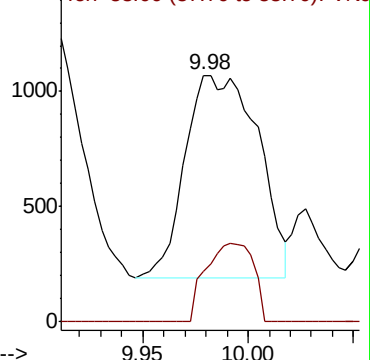
Ion Ratio Lower Upper

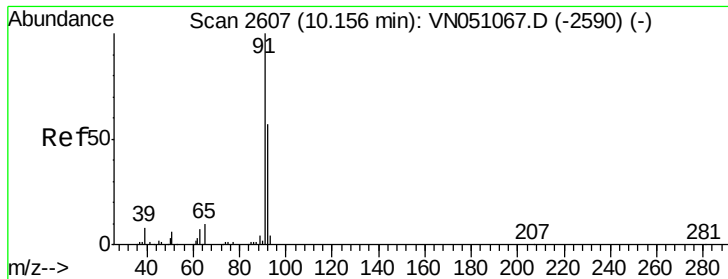
43 100

58 25.5 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2533) (-)





#52

Toluene

Concen: 0.28 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

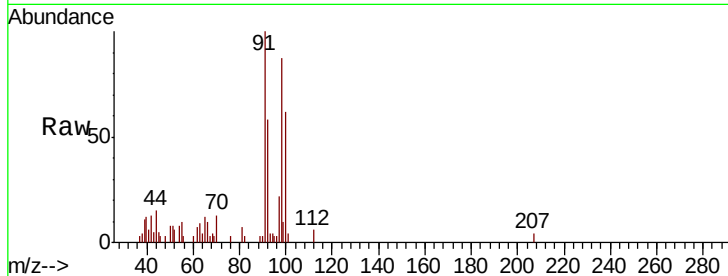
EP1-MW-A

Tot Ion: 92 Resp: 5705

Ion Ratio Lower Upper

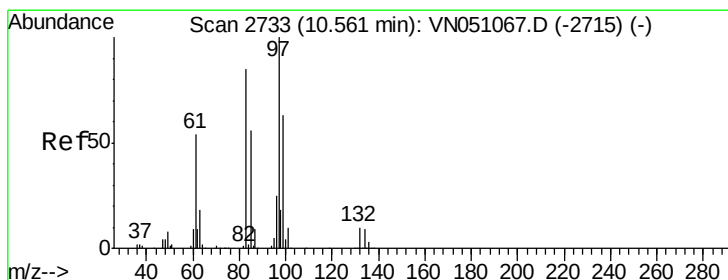
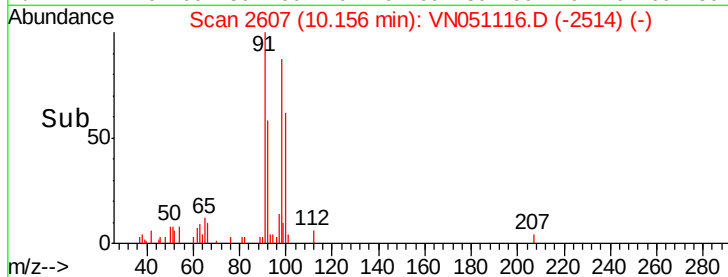
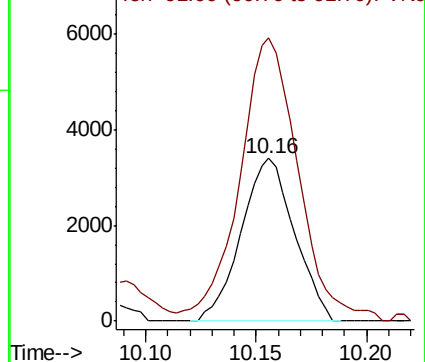
92 100

91 192.1 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#55

1,1,2-Trichloroethane

Concen: 6.41 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Tgt Ion: 97 Resp: 47133

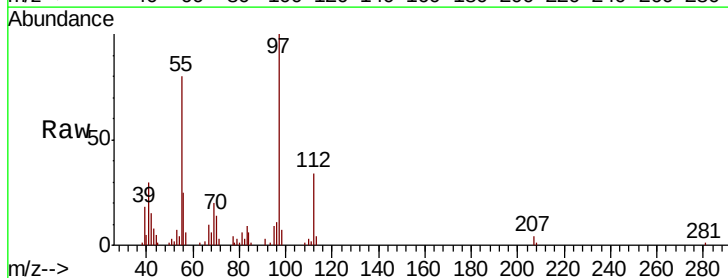
Ion Ratio Lower Upper

97 100

83 8.6 68.2 102.2#

85 0.9 44.8 67.2#

99 0.0 50.2 75.4#

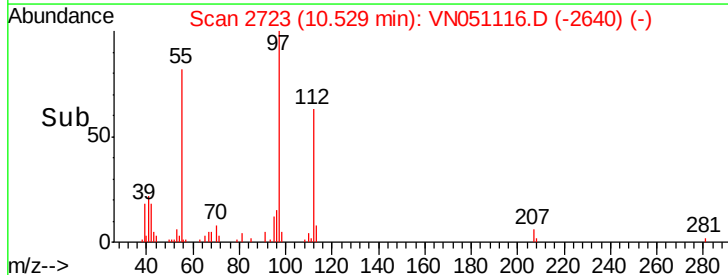
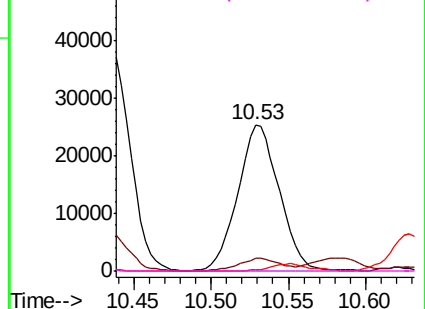


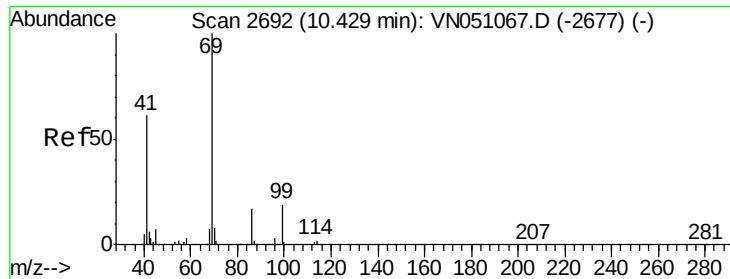
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 4.69 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-A

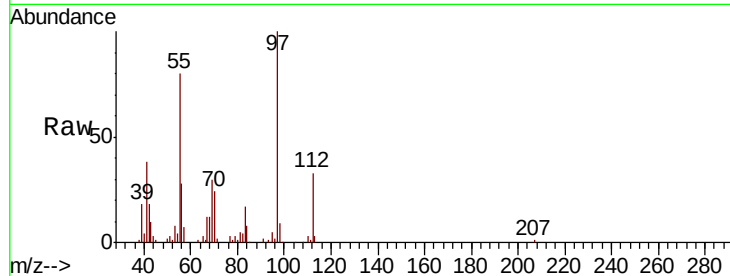
Tot Ion: 69 Resp: 23168

Ion Ratio Lower Upper

69 100

41 136.5 47.8 71.8#

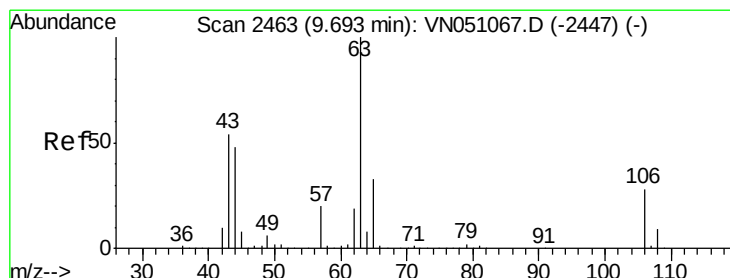
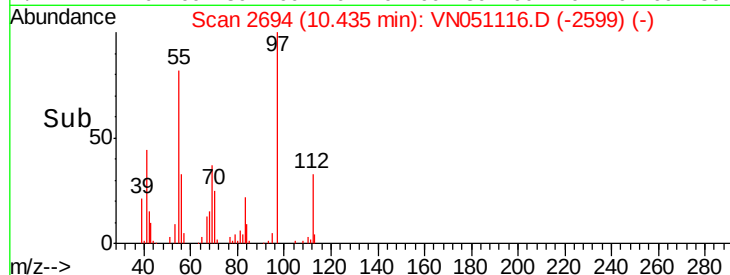
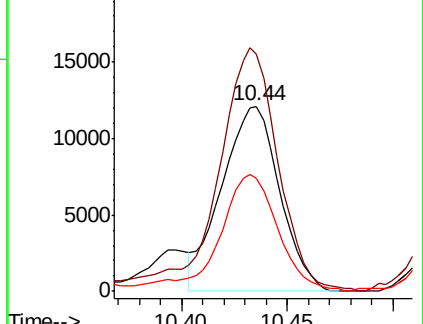
39 64.2 23.0 34.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 15.23 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.01 min

Lab File: VN051116.D

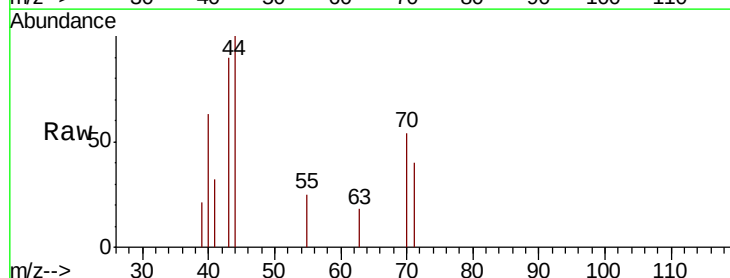
Acq: 11 Sep 2018 10:41

Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

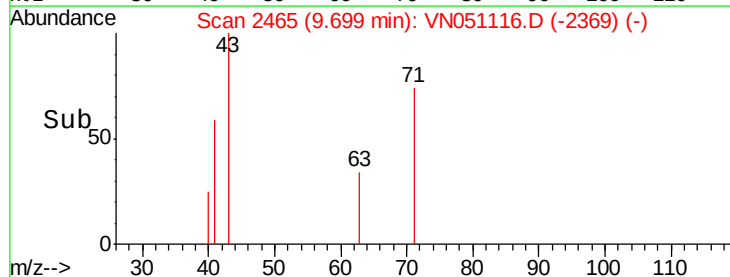
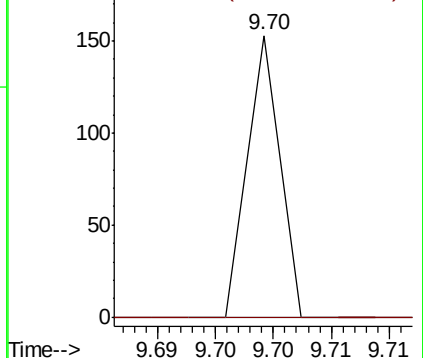
63 100

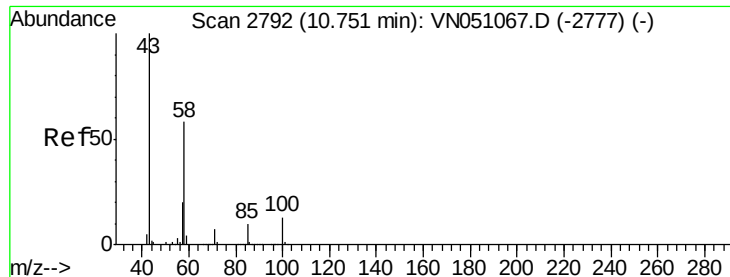
106 0.0 22.5 33.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

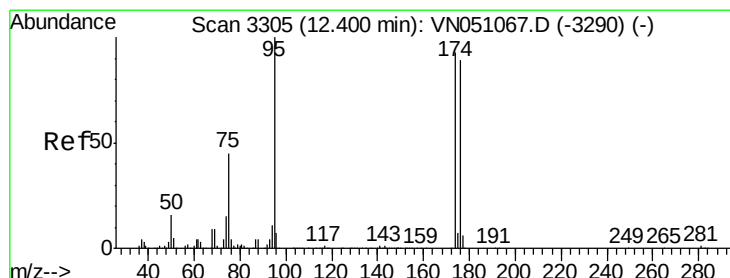
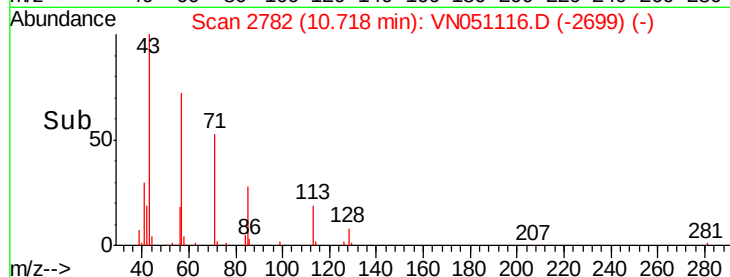
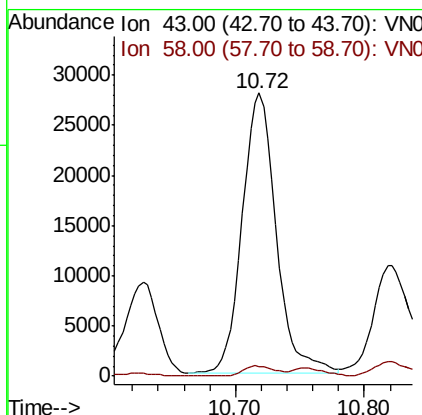
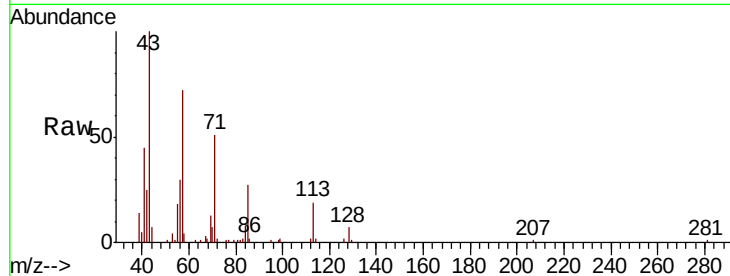




#59
2-Hexanone
Concen: 12.18 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

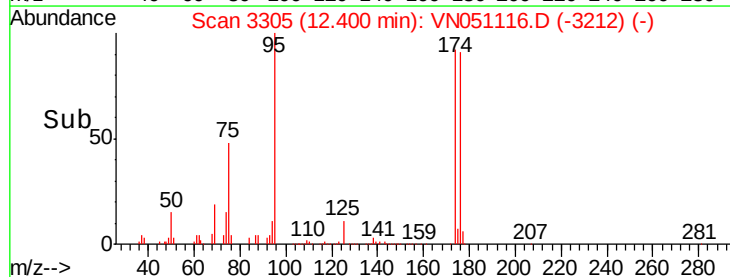
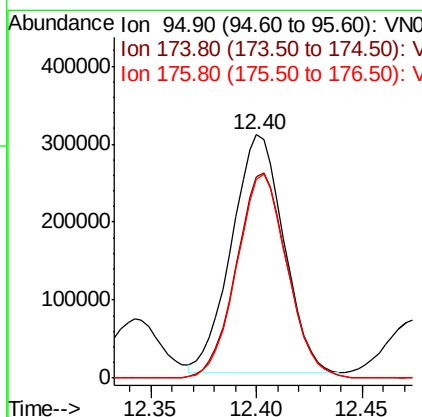
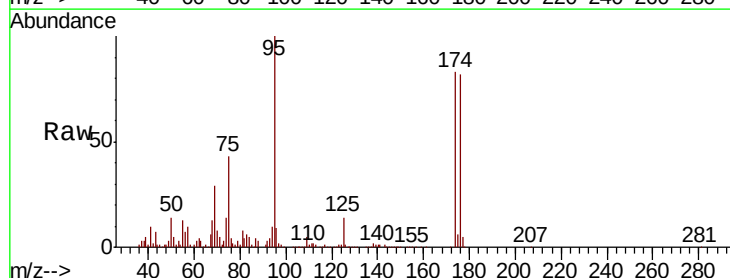
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-A

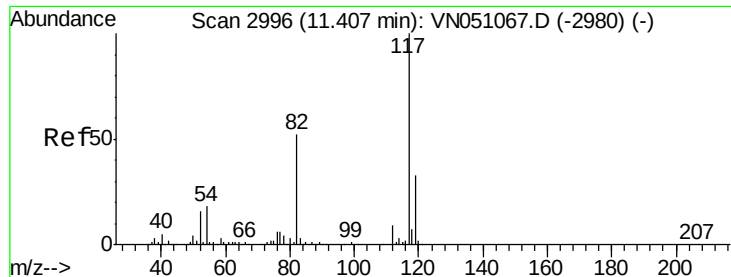
Tot Ion: 43 Resp: 51422
Ion Ratio Lower Upper
43 100
58 3.5 29.3 88.0#



#62
4-Bromofluorobenzene
Concen: 55.30 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion: 95 Resp: 523285
Ion Ratio Lower Upper
95 100
174 84.7 0.0 184.8
176 83.1 0.0 178.6

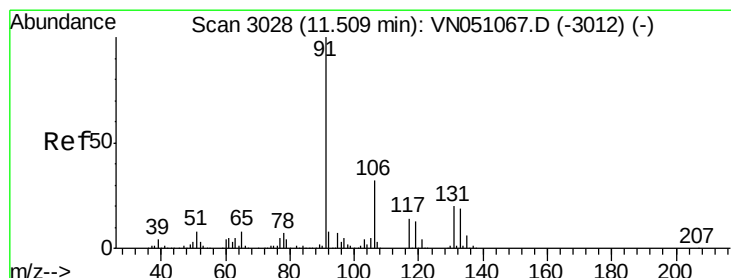
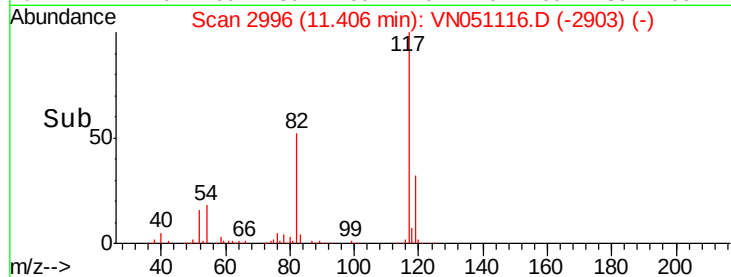
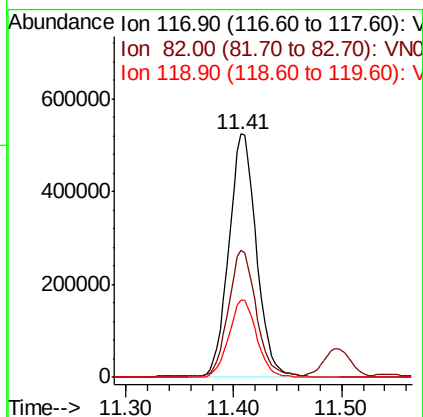
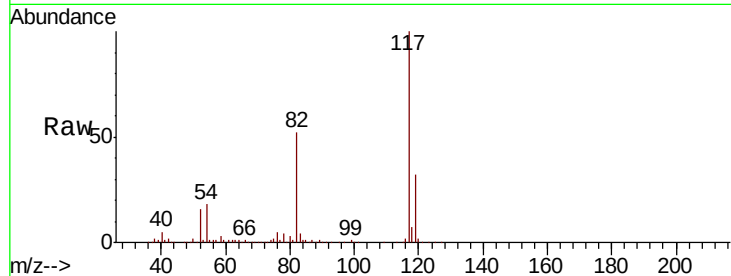




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

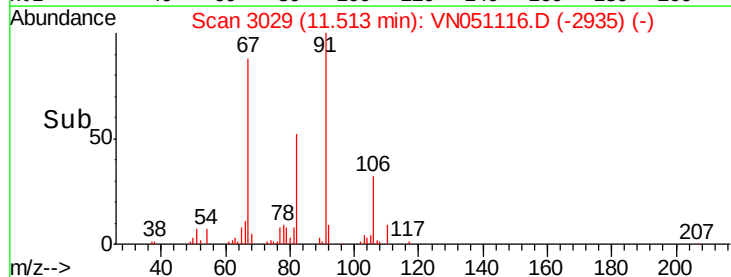
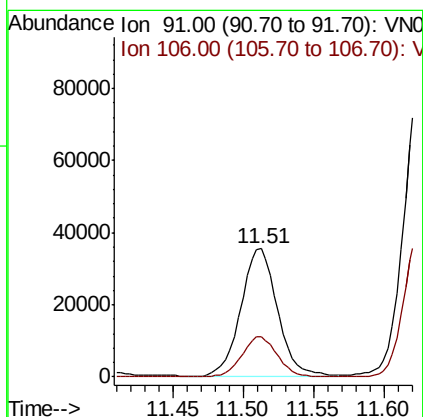
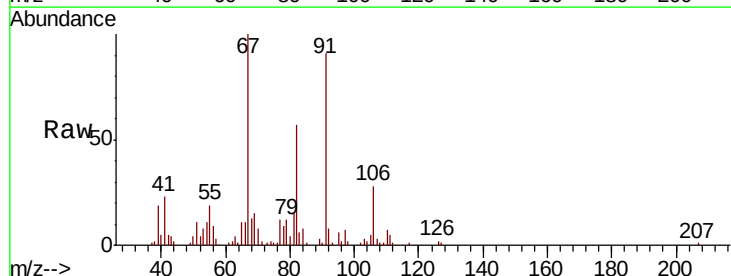
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-A

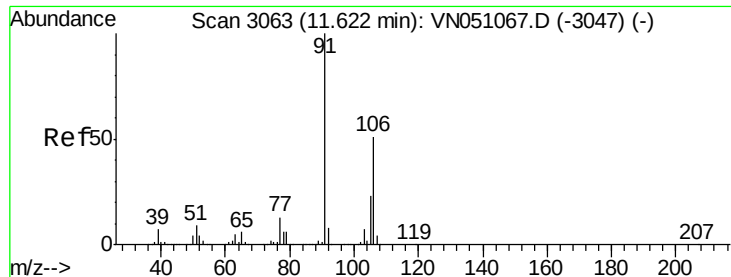
Tot Ion:117 Resp: 936637
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.6
119 31.8 26.2 39.2



#67
Ethyl Benzene
Concen: 1.68 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion: 91 Resp: 64201
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

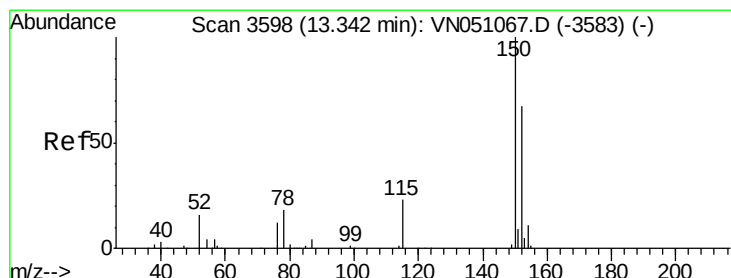
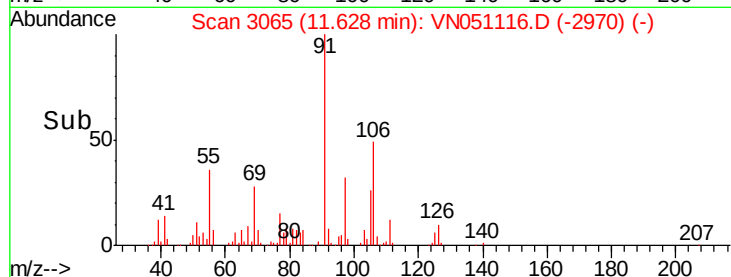
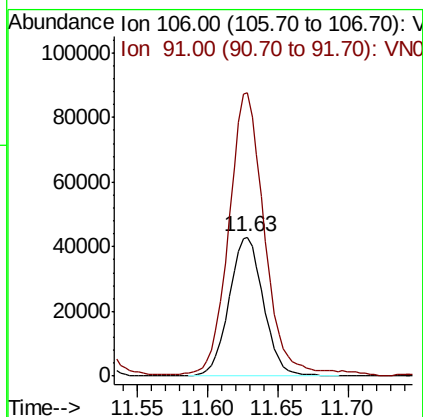
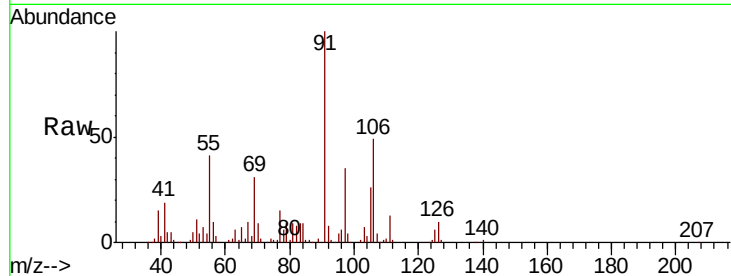




#68
m/p-Xvlenes
Concen: 4.98 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

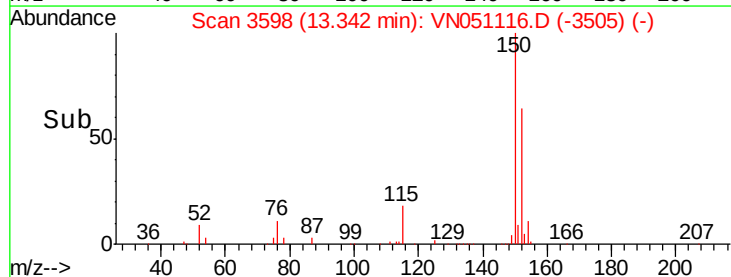
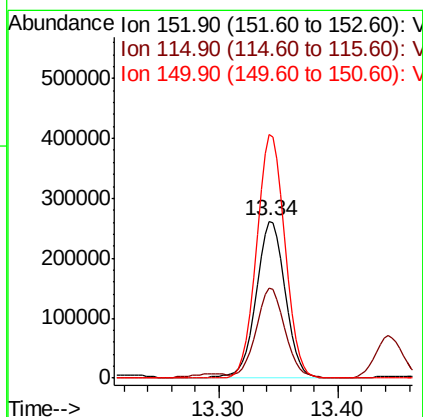
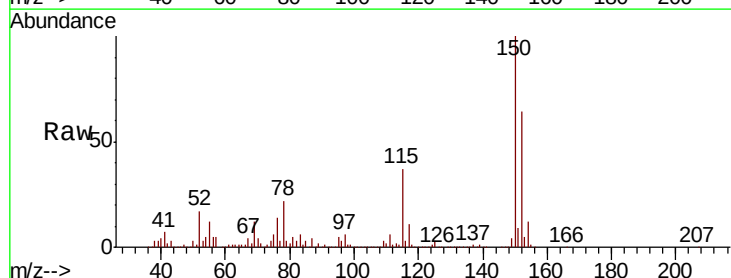
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-A

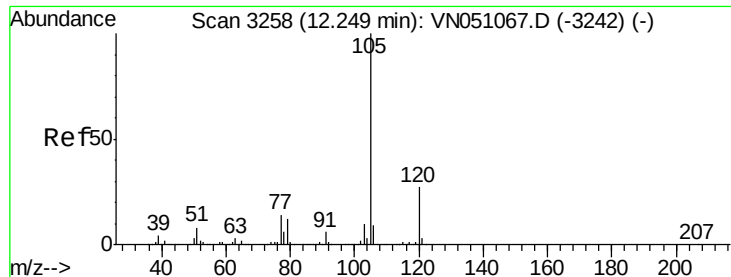
Tot Ion:106 Resp: 73107
Ion Ratio Lower Upper
106 100
91 212.4 159.8 239.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051116.D
Acq: 11 Sep 2018 10:41

Tgt Ion:152 Resp: 441205
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 151.0 0.0 349.0





#73

Isopropylbenzene

Concen: 224.50 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

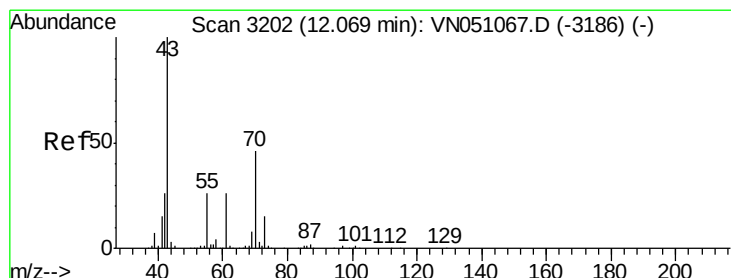
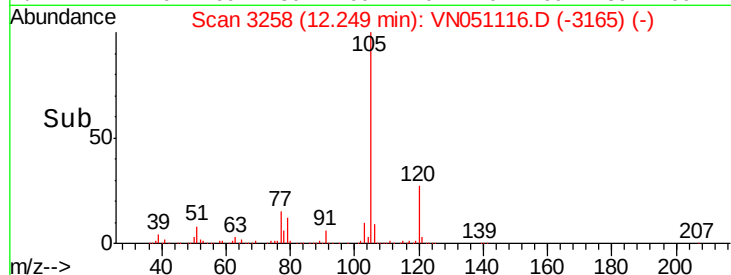
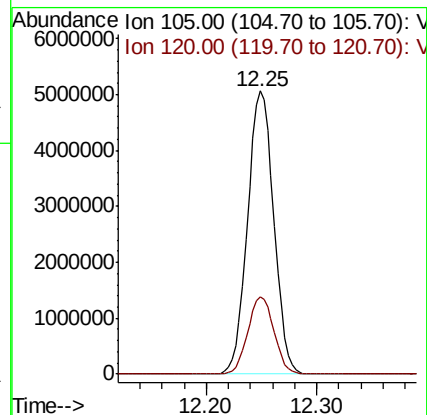
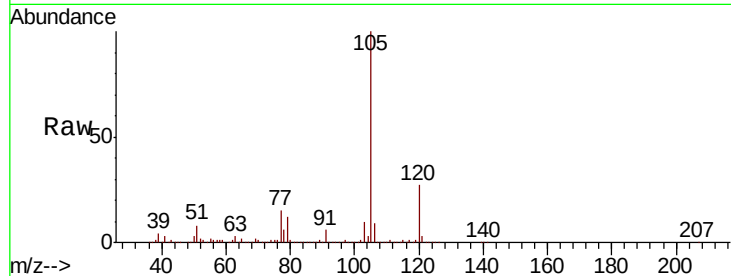
EP1-MW-A

Tot Ion:105 Resp: 8306572

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 52.10 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Tgt Ion: 43 Resp: 485175

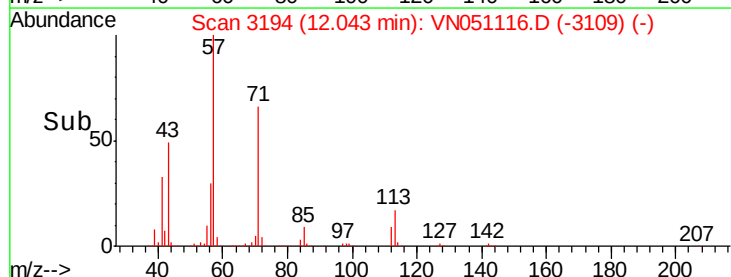
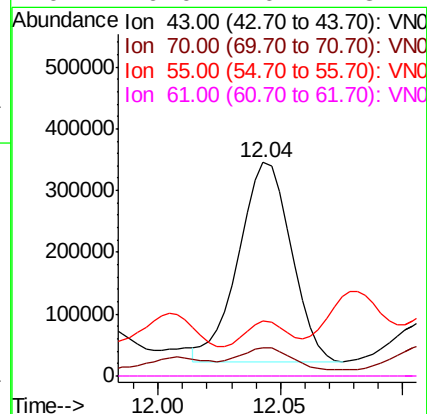
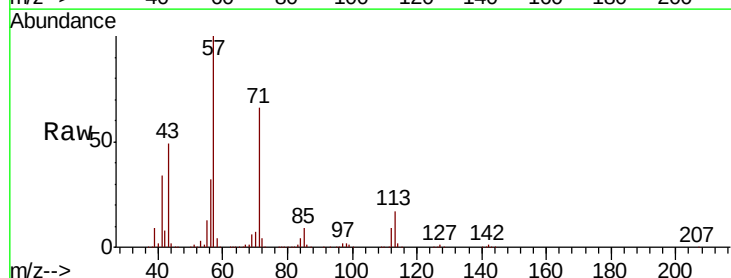
Ion Ratio Lower Upper

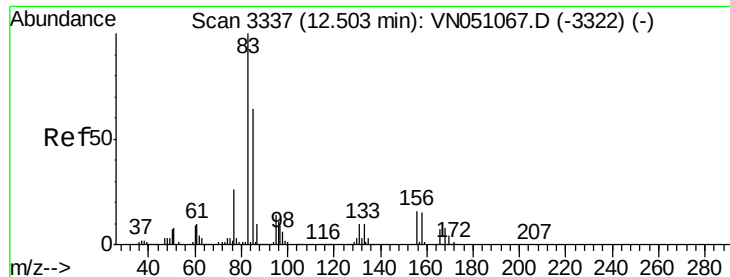
43 100

70 11.2 37.0 55.4#

55 23.2 21.3 31.9

61 0.0 20.7 31.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 5.81 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-A

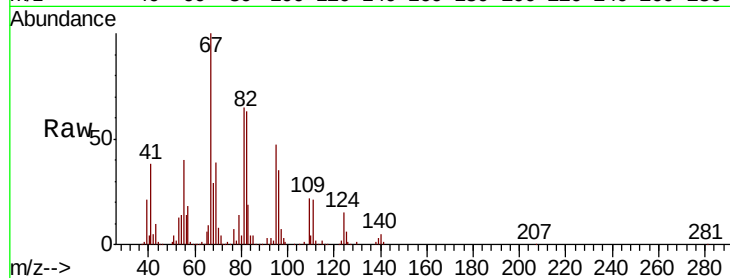
Tot Ion: 83 Resp: 61219

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 0.0 32.3 96.8#

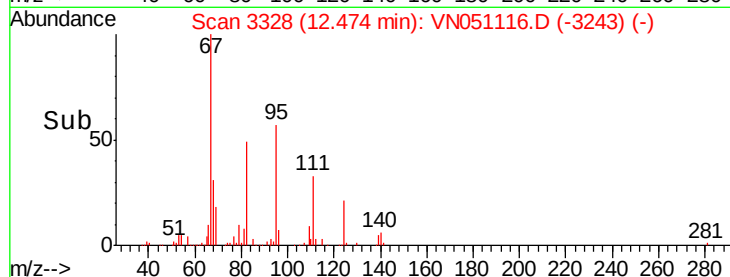


Abundance Ion 82.90 (82.60 to 83.60): VN051116.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051116.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051116.D (-3322) (-)

Time--> 12.40 12.45 12.50

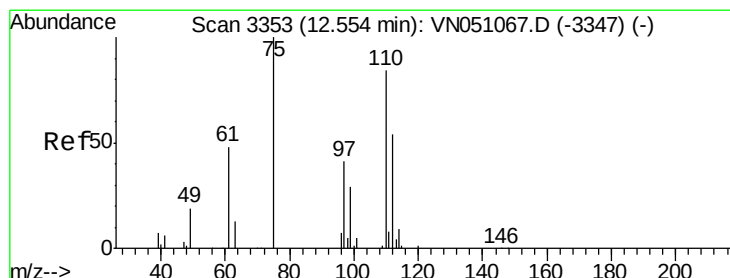


Abundance Ion 82.90 (82.60 to 83.60): VN051116.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051116.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051116.D (-3322) (-)

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 11.72 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN051116.D

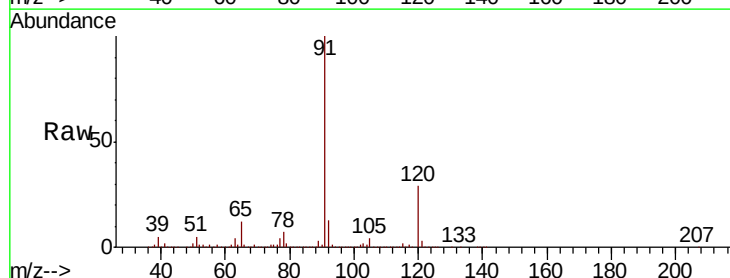
Acq: 11 Sep 2018 10:41

Tgt Ion: 75 Resp: 87971

Ion Ratio Lower Upper

75 100

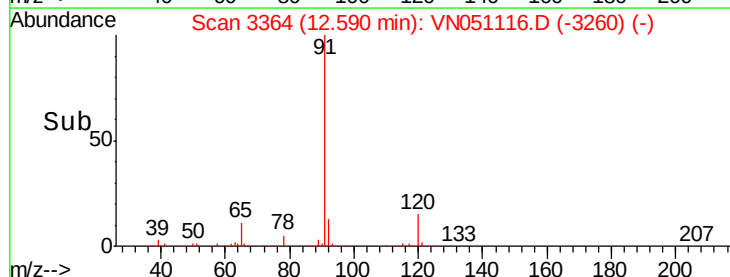
77 701.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051116.D (-3364) (-)

Ion 77.00 (76.70 to 77.70): VN051116.D (-3364) (-)

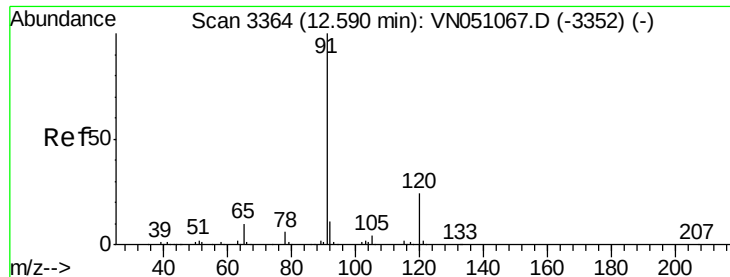
Time--> 12.50 12.55 12.60 12.65



Abundance Ion 74.90 (74.60 to 75.60): VN051116.D (-3364) (-)

Ion 77.00 (76.70 to 77.70): VN051116.D (-3364) (-)

Time--> 12.50 12.55 12.60 12.65



#78

n-propylbenzene

Concen: 381.48 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

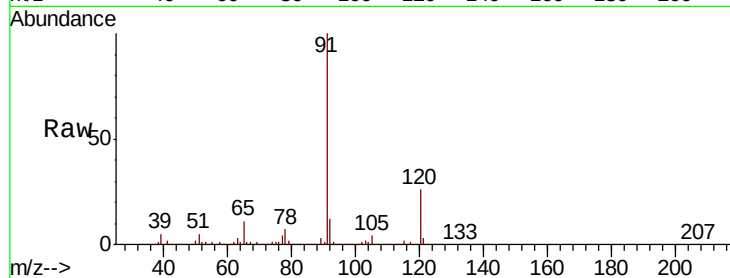
EP1-MW-A

Tot Ion: 91 Resp:15514741

Ion Ratio Lower Upper

91 100

120 25.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

8000000

6000000

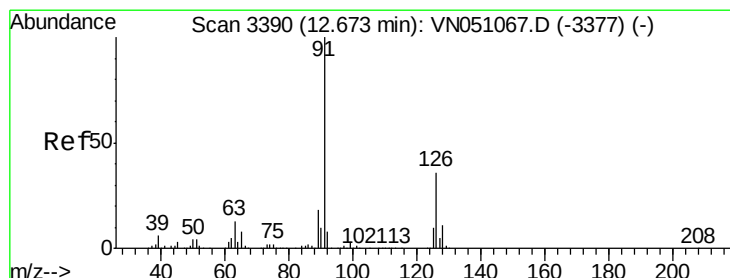
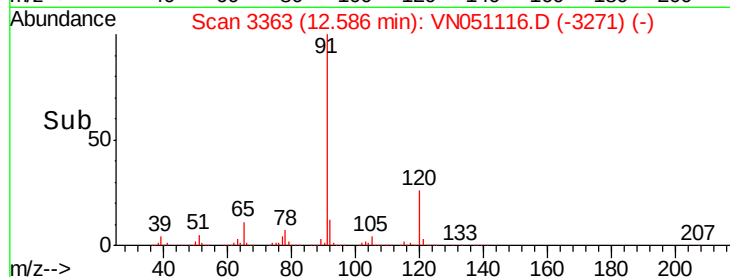
4000000

2000000

0

12.50 12.60

Time-->



#79

2-Chlorotoluene

Concen: 610.34 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.09 min

Lab File: VN051116.D

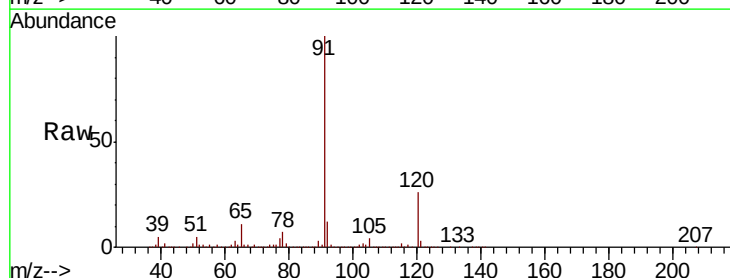
Acq: 11 Sep 2018 10:41

Tgt Ion: 91 Resp:15514741

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

8000000

6000000

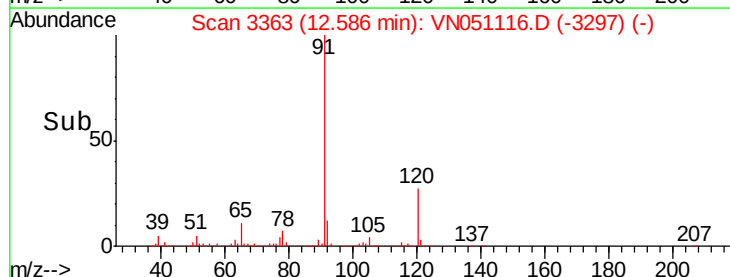
4000000

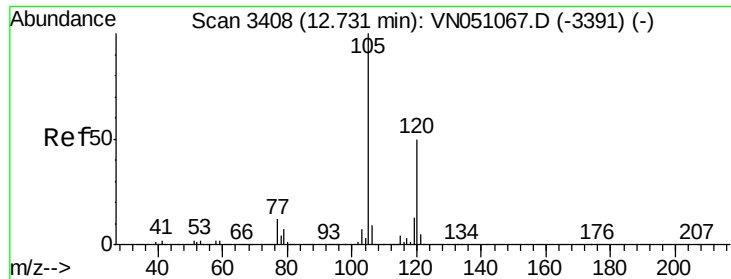
2000000

0

12.50 12.60

Time-->

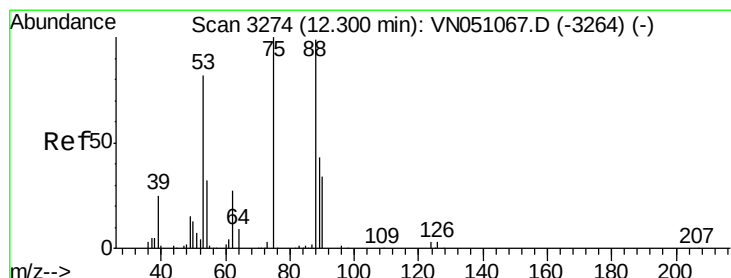
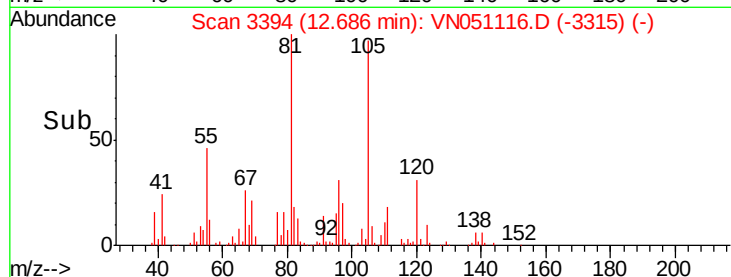
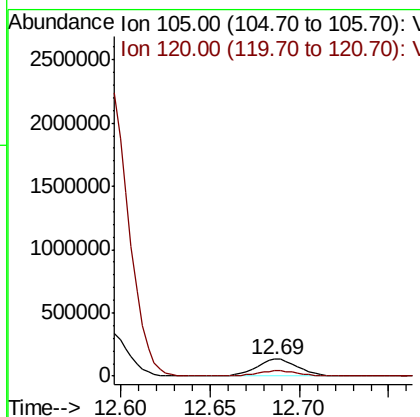
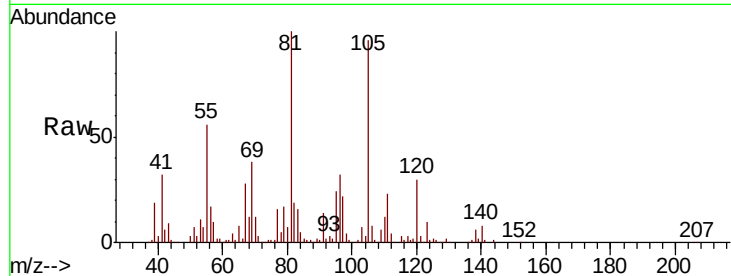




#80
 1,3,5-Trimethylbenzene
 Concen: 7.09 ug/l
 RT: 12.69 min Scan# 3394
 Delta R.T. -0.05 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

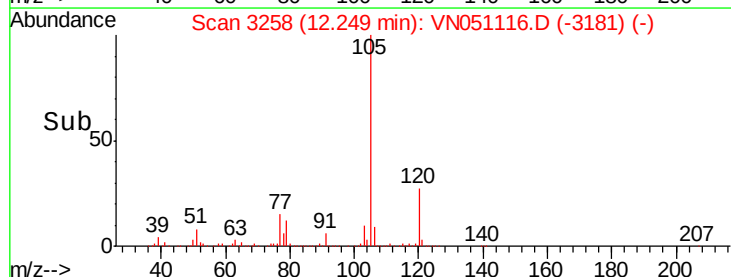
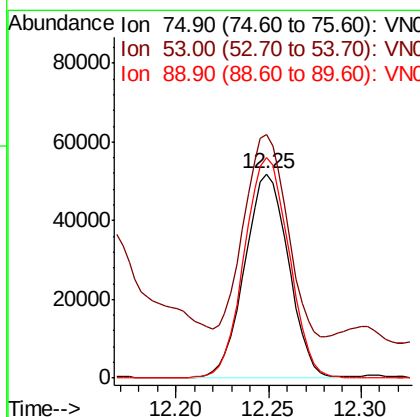
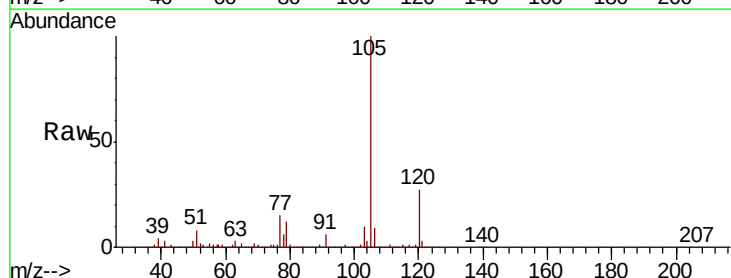
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-A

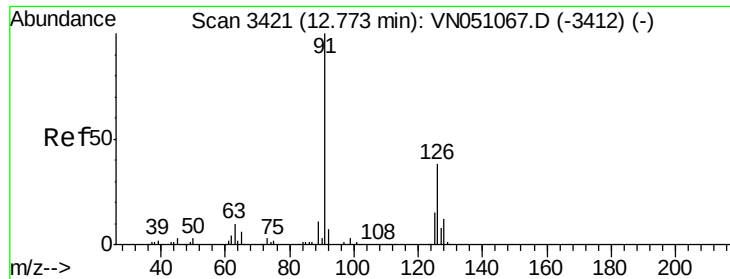
Tot Ion:105 Resp: 212138
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.9 74.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 36.72 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.05 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Tgt Ion: 75 Resp: 85297
 Ion Ratio Lower Upper
 75 100
 53 97.7 67.8 101.8
 89 110.0 36.0 54.0#





#82

4-Chlorotoluene

Concen: 614.95 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.19 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

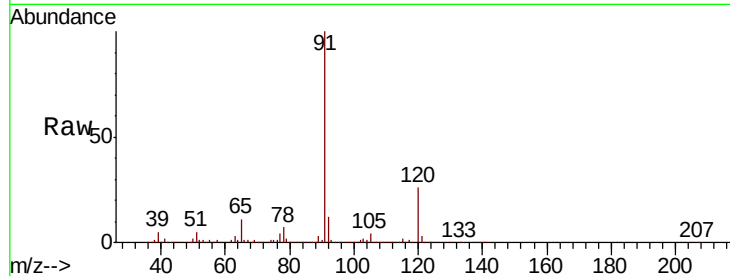
EP1-MW-A

Tot Ion: 91 Resp:15517266

Ion Ratio Lower Upper

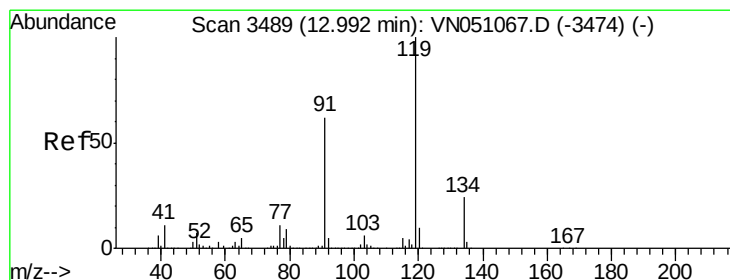
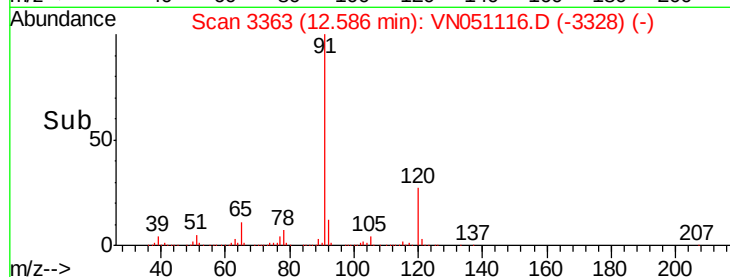
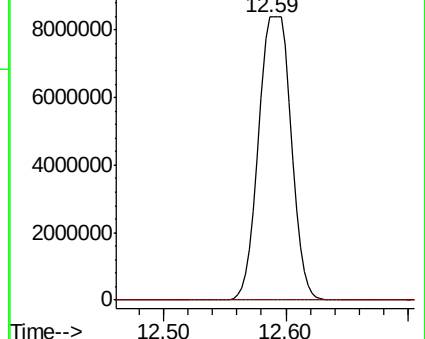
91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN051116.D (-3363) (-)

Ion 125.90 (125.60 to 126.60): VN051116.D (-3363) (-)



#83

tert-Butylbenzene

Concen: 24.99 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

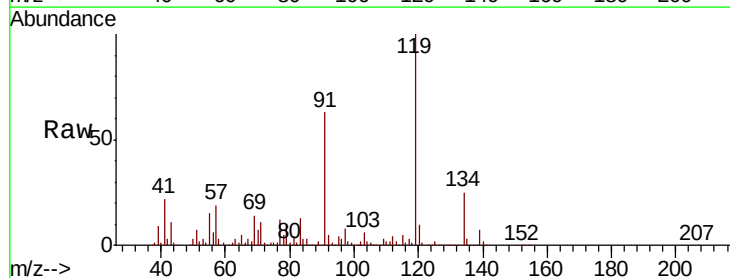
Tgt Ion:119 Resp: 659950

Ion Ratio Lower Upper

119 100

91 64.2 30.8 92.3

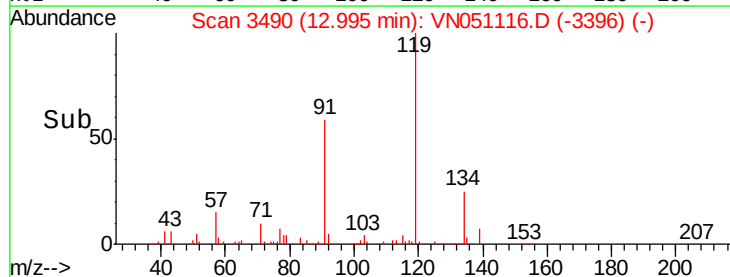
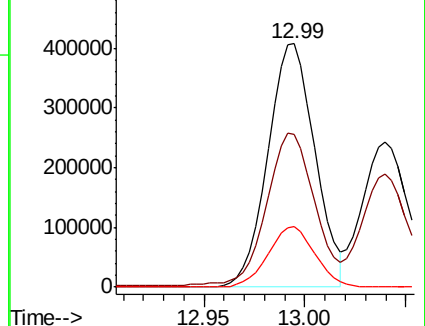
134 24.5 13.2 39.6

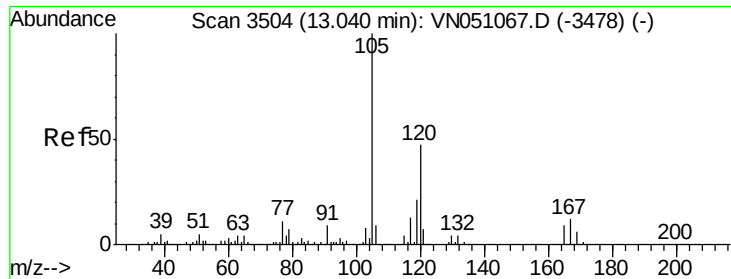


Abundance Ion 119.00 (118.70 to 119.70): VN051116.D (-3490) (-)

Ion 91.00 (90.70 to 91.70): VN051116.D (-3490) (-)

Ion 134.00 (133.70 to 134.70): VN051116.D (-3490) (-)





#84

1,2,4-Trimethylbenzene

Concen: 103.91 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

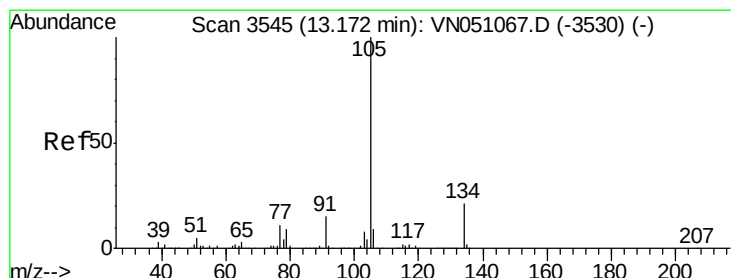
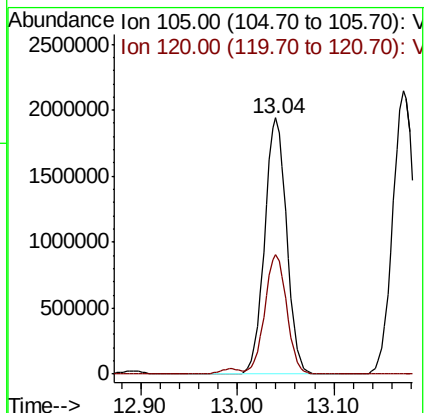
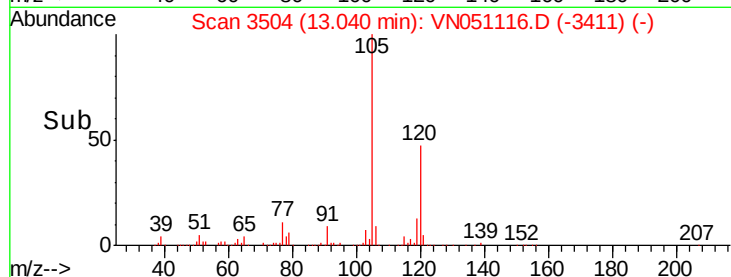
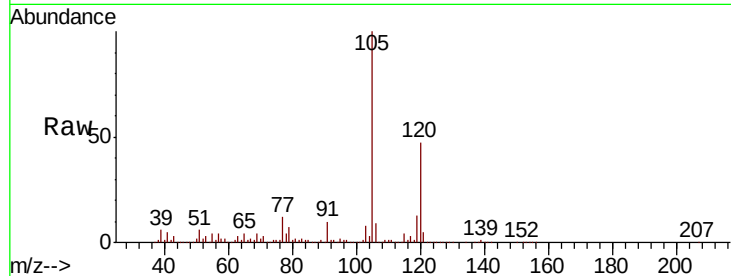
EP1-MW-A

Tot Ion:105 Resp: 3056223

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.8



#85

sec-Butylbenzene

Concen: 99.72 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051116.D

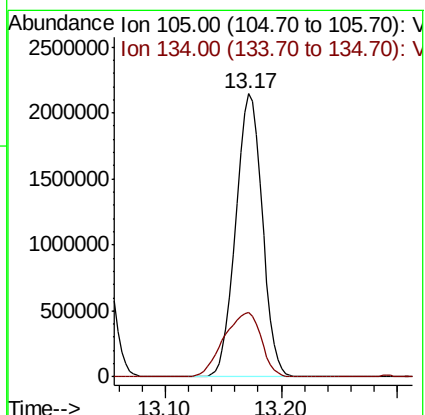
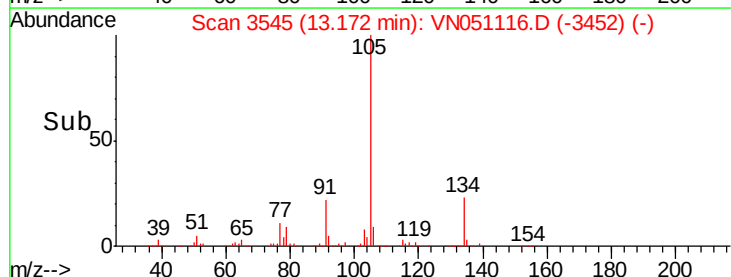
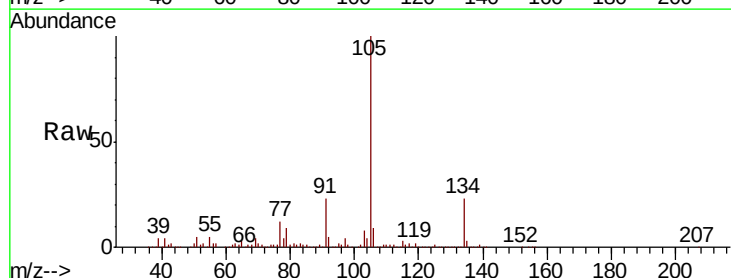
Acq: 11 Sep 2018 10:41

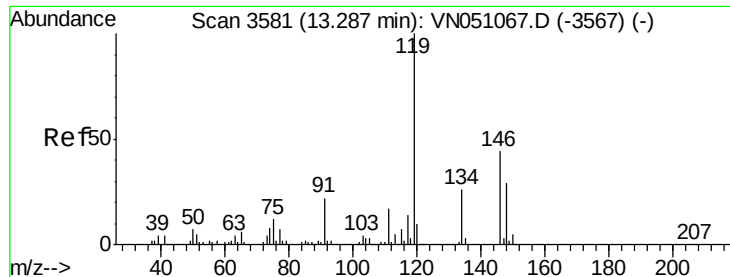
Tgt Ion:105 Resp: 3377459

Ion Ratio Lower Upper

105 100

134 32.4 10.4 31.4#

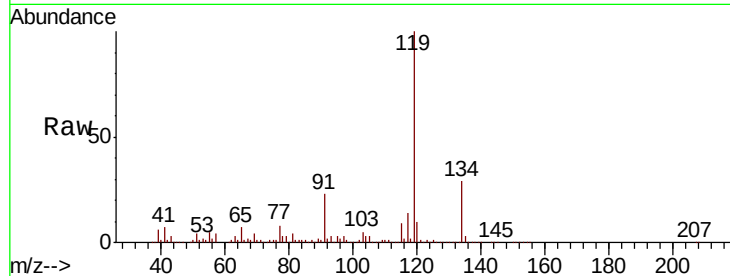




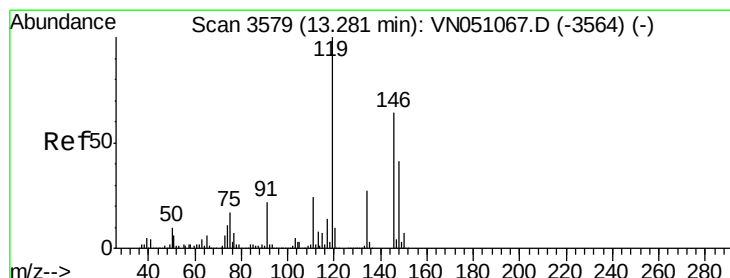
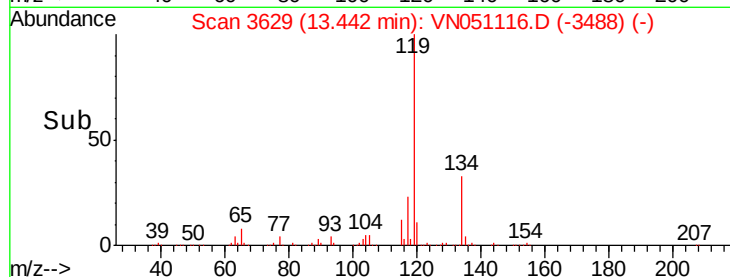
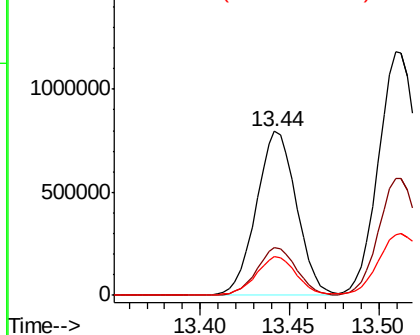
#86
 p-Isopropyltoluene
 Concen: 43.70 ug/l
 RT: 13.44 min Scan# 3629
 Delta R.T. 0.15 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-A

Tot Ion:119 Resp: 1255065
 Ion Ratio Lower Upper
 119 100
 134 28.6 13.5 40.4
 91 23.2 10.9 32.9

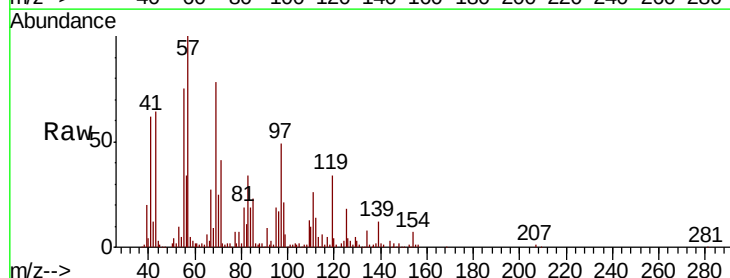


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

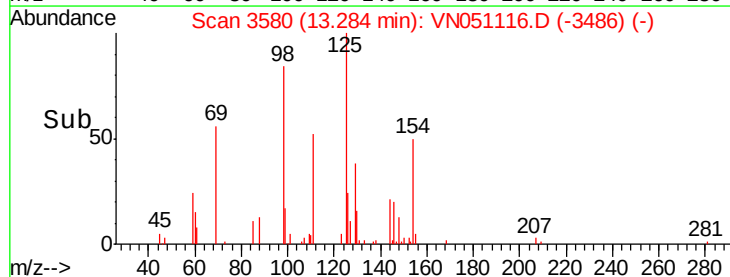
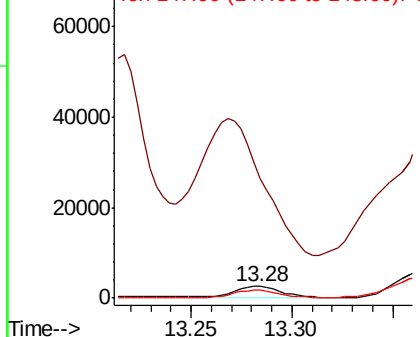


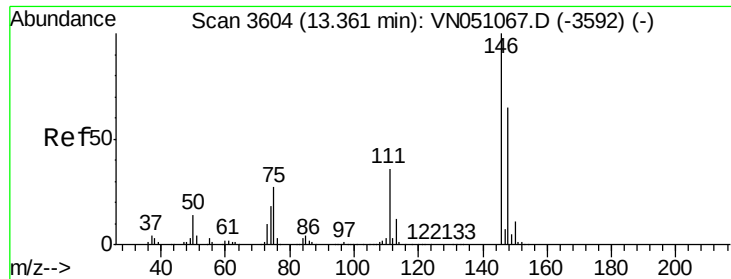
#87
 1,3-Dichlorobenzene
 Concen: 0.27 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Tgt Ion:146 Resp: 4630
 Ion Ratio Lower Upper
 146 100
 111 1439.5 19.1 57.1#
 148 60.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.64 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-A

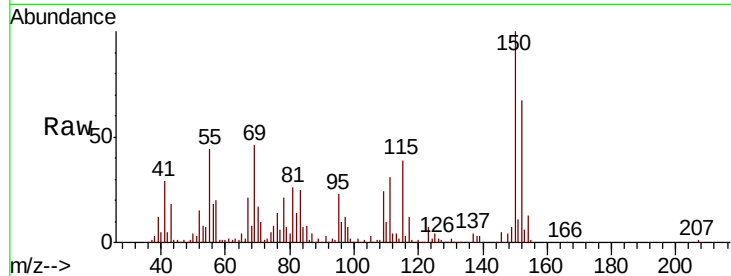
Tot Ion:146 Resp: 9699

Ion Ratio Lower Upper

146 100

111 605.6 18.4 55.0#

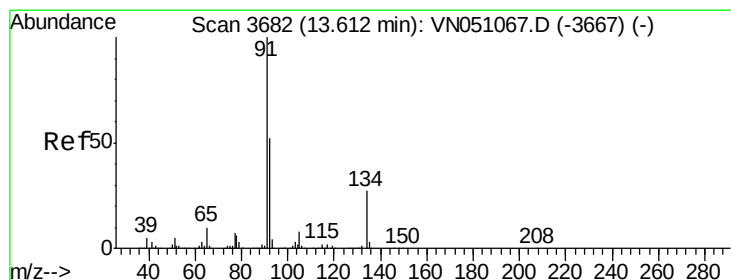
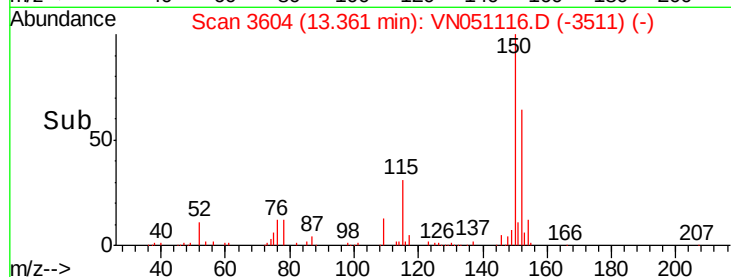
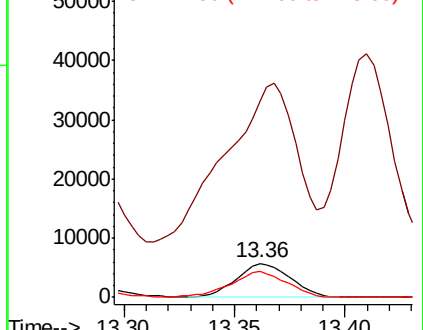
148 79.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 64.04 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

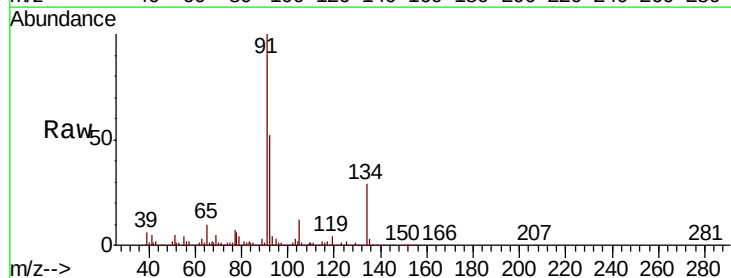
Tgt Ion: 91 Resp: 1431227

Ion Ratio Lower Upper

91 100

92 48.2 26.2 78.6

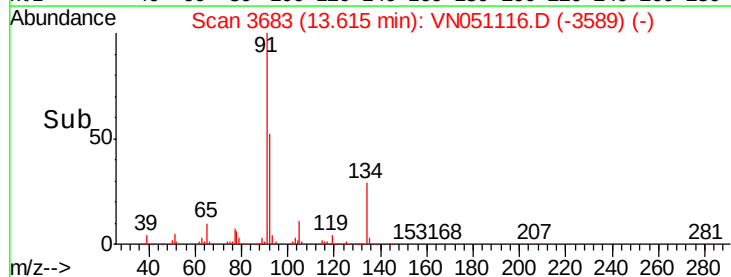
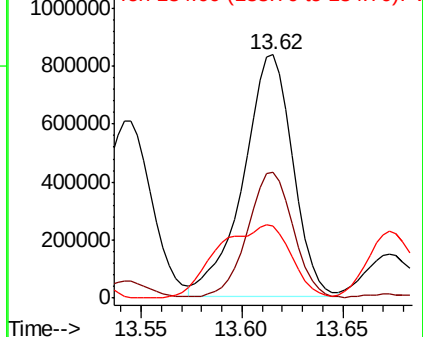
134 44.6 13.7 41.1#

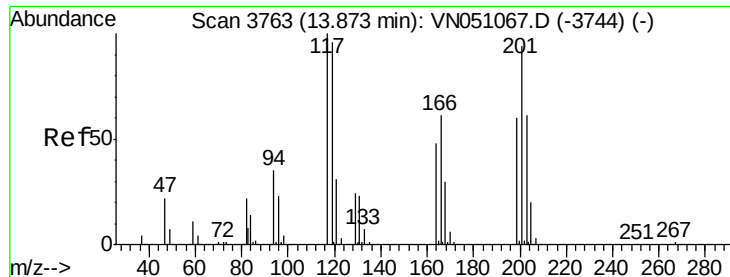


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 91.26 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampled :

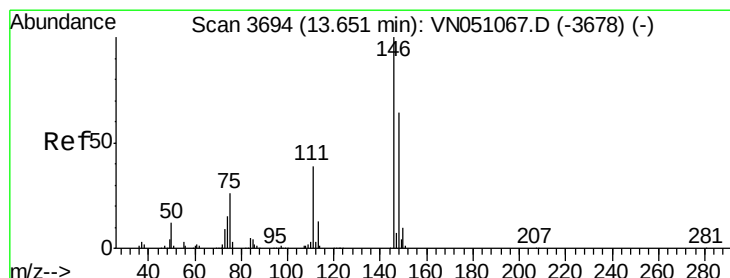
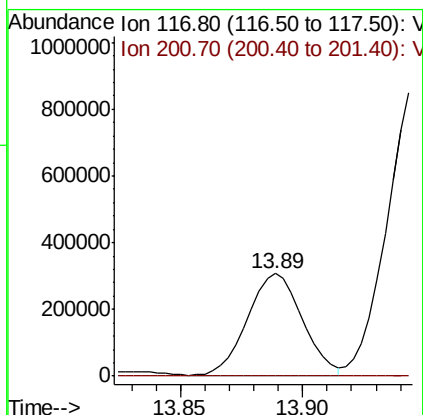
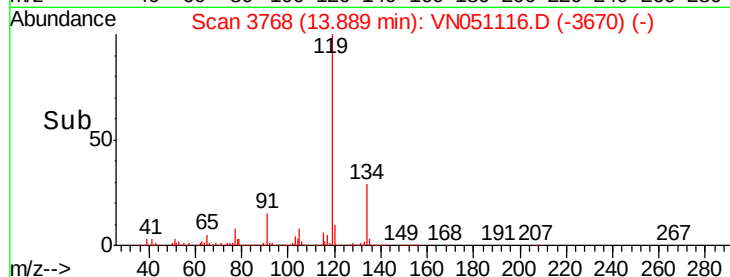
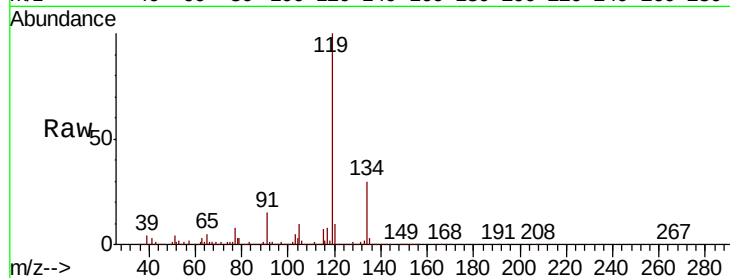
EP1-MW-A

Tot Ion:117 Resp: 474473

Ion Ratio Lower Upper

117 100

201 0.0 47.3 142.0#



#91

1,2-Dichlorobenzene

Concen: 0.44 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

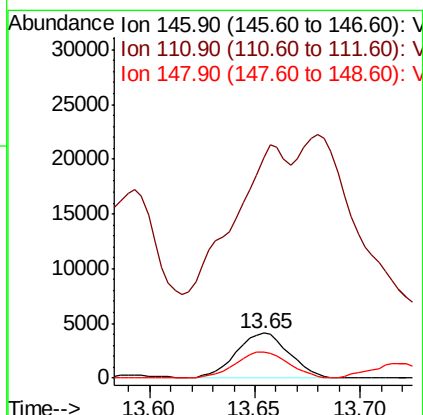
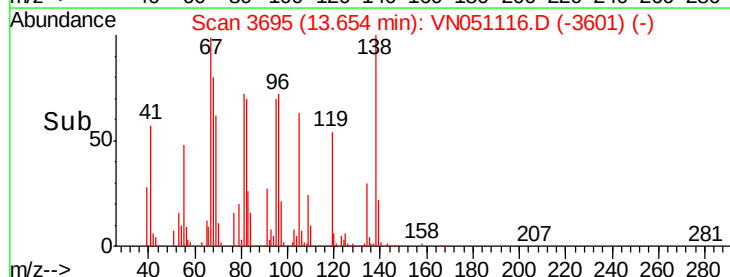
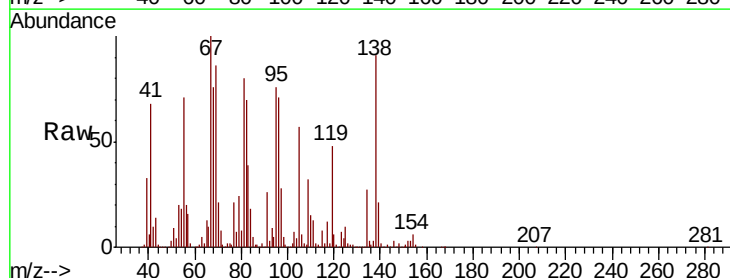
Tgt Ion:146 Resp: 7201

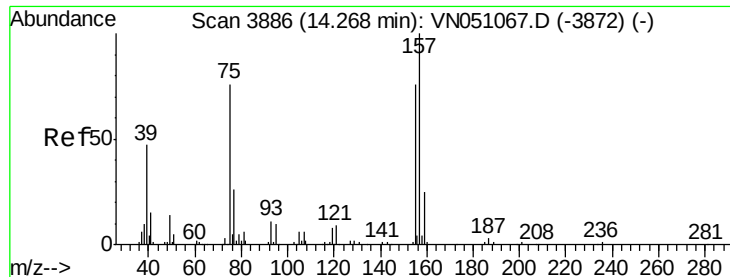
Ion Ratio Lower Upper

146 100

111 330.0 19.7 59.0#

148 57.4 32.1 96.3

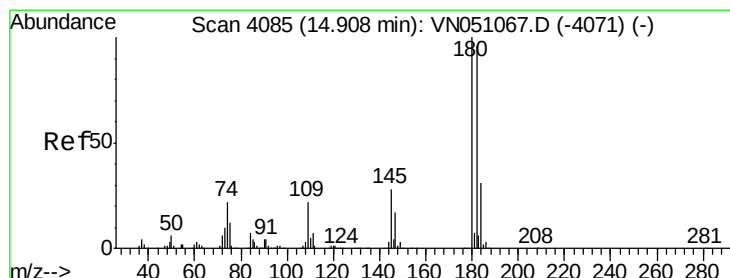
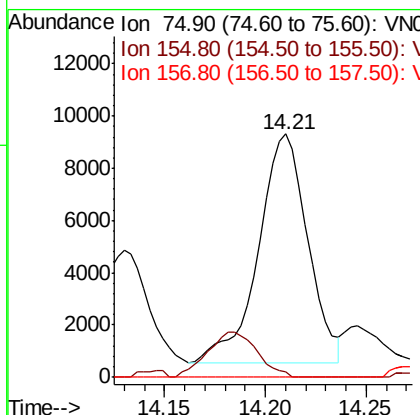
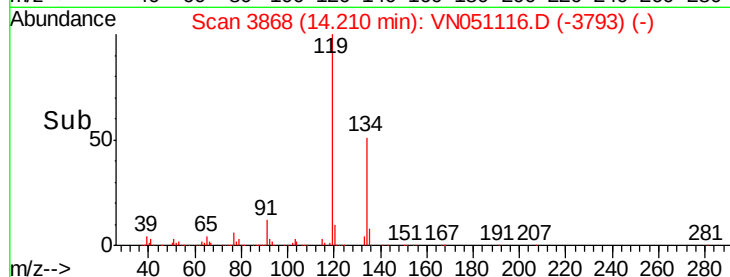
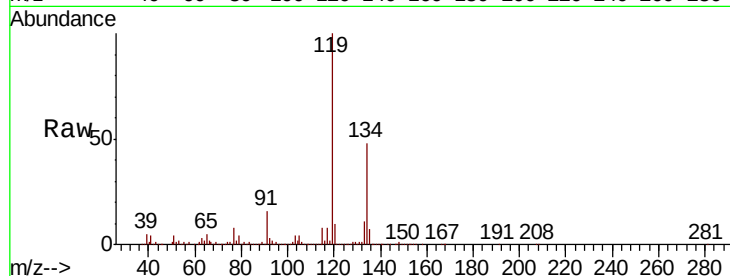




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.19 ug/l
 RT: 14.21 min Scan# 3868
 Delta R.T. -0.06 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

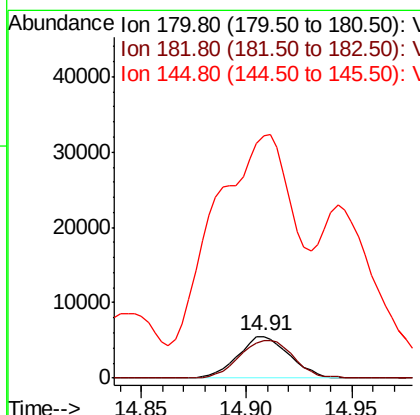
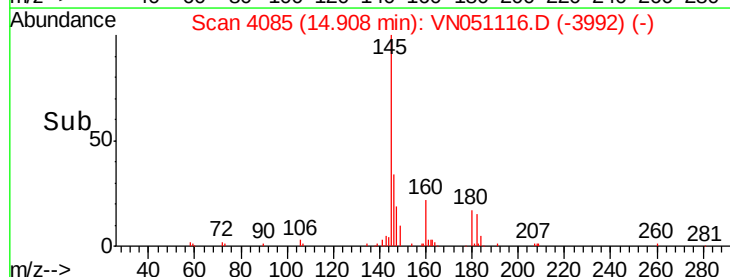
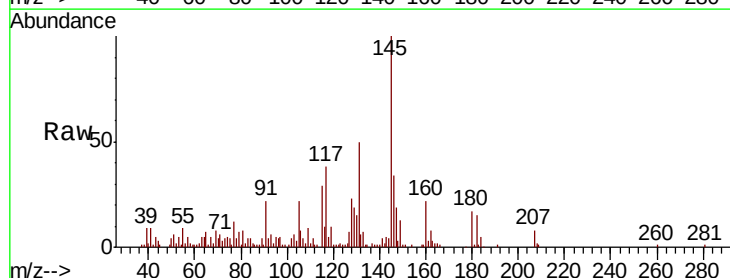
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-A

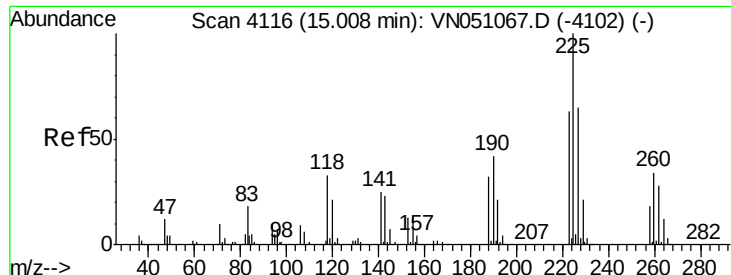
Tot Ion: 75 Resp: 14772
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.7 146.1#
 157 0.0 63.6 190.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 5.06 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Tgt Ion:180 Resp: 9334
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 141.8
 145 890.2 14.2 42.6#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-A

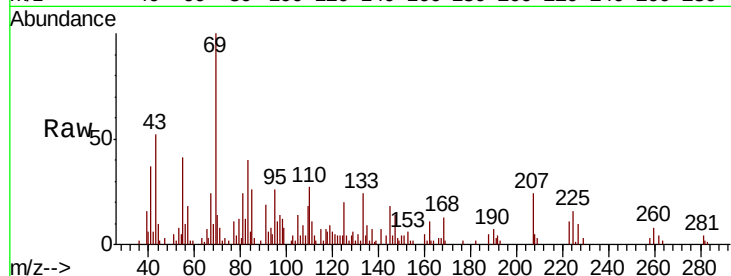
Tot Ion:225 Resp: 2766

Ion Ratio Lower Upper

225 100

223 71.9 31.4 94.0

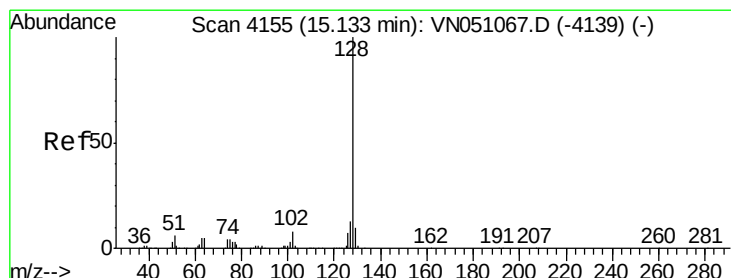
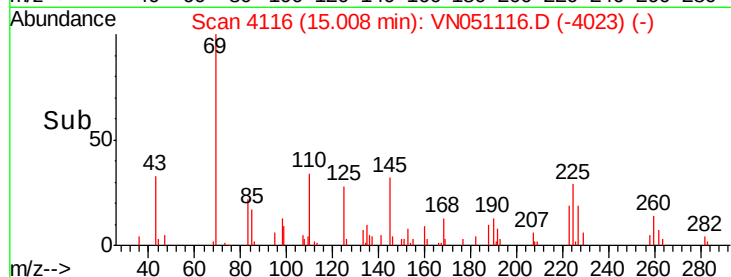
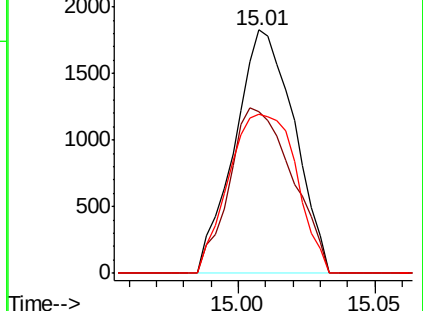
227 74.3 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 7.02 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051116.D

Acq: 11 Sep 2018 10:41

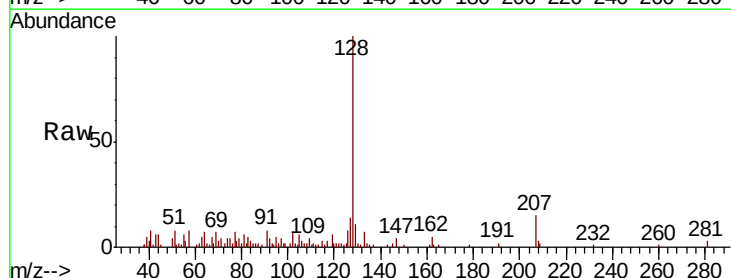
Tgt Ion:128 Resp: 31192

Ion Ratio Lower Upper

128 100

127 12.6 10.6 15.8

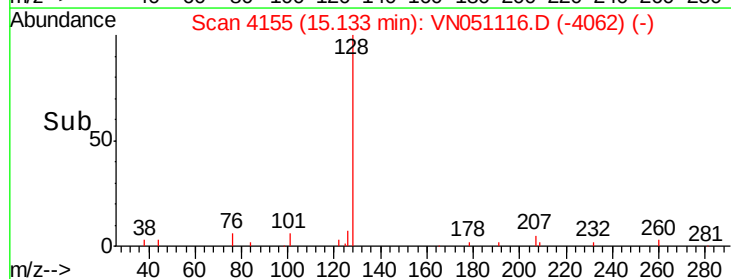
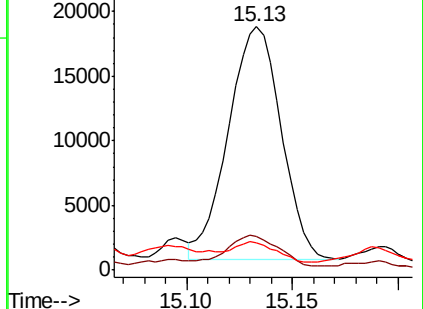
129 6.9 8.6 12.8#

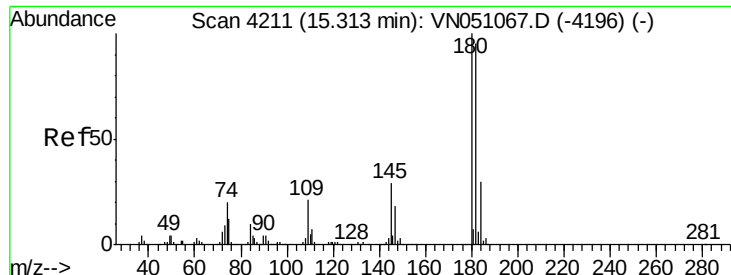


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 4.15 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051116.D
 Acq: 11 Sep 2018 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-A

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	266.2	14.6	43.8#

