

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051120.D
 Acq On : 11 Sep 2018 12:19
 Operator : MD\SY
 Sample : J4849-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C

Quant Time: Sep 12 01:02:53 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	692984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1030062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	933805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	428966	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	387508	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
35) Dibromofluoromethane	7.59	113	383351	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	10.09	98	1465839	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	496109	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	9101	0.52	ug/l	94
5) Bromomethane	2.57	94	2098	Below Cal	#	79
10) Methyl Iodide	3.96	142	445	5.68	ug/l	84
11) Tert butyl alcohol	4.79	59	10840	18.40	ug/l	85
16) Acetone	3.83	43	12313	0.63	ug/l	90
17) Carbon Disulfide	4.06	76	4720	0.33	ug/l	76
18) Methyl Acetate	4.35	43	2282	0.37	ug/l	52
25) 2-Butanone	6.86	43	8392	2.77	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	2429	0.28	ug/l	83
30) Chloroform	7.37	83	10755	0.76	ug/l	97
31) Cyclohexane	7.66	56	54620	4.11	ug/l	71
36) 1,1-Dichloropropene	7.67	75	43247	3.82	ug/l	50
37) Ethyl Acetate	6.86	43	8392	1.28	ug/l	65
38) Carbon Tetrachloride	7.67	117	58837	5.29	ug/l	16
39) Methylcyclohexane	9.08	83	122264	9.80	ug/l	99
44) Trichloroethene	8.83	130	3531	0.38	ug/l	72
48) Methyl methacrylate	9.27	41	2950	0.52	ug/l	59
51) 4-Methyl-2-Pentanone	9.99	43	2395	0.37	ug/l	86
55) 1,1,2-Trichloroethane	10.53	97	37538	4.97	ug/l	19
56) Ethyl methacrylate	10.43	69	20380	4.37	ug/l	36
59) 2-Hexanone	10.72	43	18967	4.38	ug/l	23
60) Dibromochloromethane	10.63	129	7095	0.83	ug/l	11
64) Tetrachloroethene	10.63	164	7845	0.92	ug/l	96
67) Ethyl Benzene	11.51	91	411372	10.79	ug/l	99
68) m/p-Xylenes	11.63	106	2035975	139.01	ug/l	99
69) o-Xylene	11.95	106	25454	1.79	ug/l	81
73) Isopropylbenzene	12.25	105	8215253	228.36	ug/l	100
74) N-amyl acetate	12.04	43	96141	10.62	ug/l	48
75) 1,1,2,2-Tetrachloroethane	12.47	83	27071	1.74	ug/l	26
76) 1,2,3-Trichloropropane	12.59	75	92930	12.87	ug/l	100
78) n-propylbenzene	12.69	91	587323	14.85	ug/l	1
79) 2-Chlorotoluene	12.69	91	587323	23.76	ug/l	39
80) 1,3,5-Trimethylbenzene	12.73	105	2852492	98.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.25	75	82659	36.60	ug/l	52

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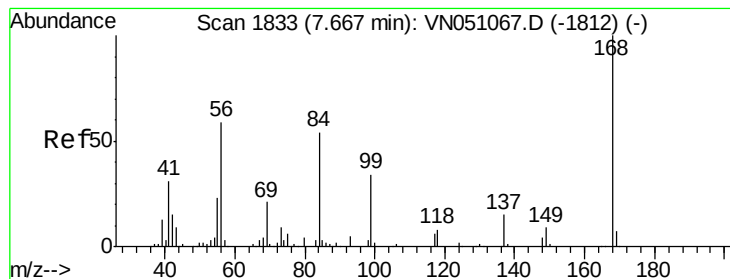
Instrument :
 MSVOA_N
 ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

82) 4-Chlorotoluene	12.73	91	276568	11.27	ug/l #	42
83) tert-Butylbenzene	12.99	119	611552	23.82	ug/l	97
84) 1,2,4-Trimethylbenzene	13.17	105	2788052	97.49	ug/l #	30
85) sec-Butylbenzene	13.17	105	2788052	84.67	ug/l #	75
86) p-Isopropyltoluene	13.29	119	848786	30.40	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	6179	0.42	ug/l #	1
89) n-Butylbenzene	13.61	91	1442611	66.39	ug/l #	74
90) Hexachloroethane	13.89	117	445383	88.09	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	5748	0.36	ug/l #	43
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7419	6.62	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1022	4.10	ug/l #	1
94) Hexachlorobutadiene	15.00	225	106	Below Cal	#	58
95) Naphthalene	15.13	128	218685	17.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	333	2.99	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

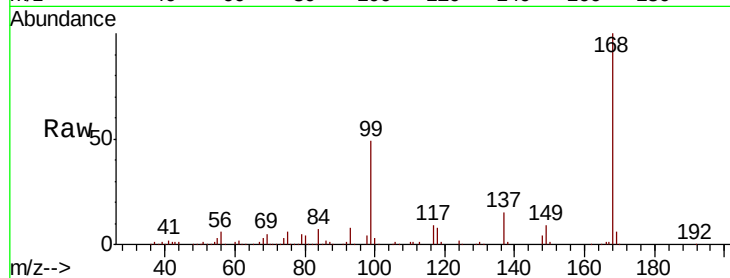
EP1-MW-C

Tot Ion:168 Resp: 692984

Ion Ratio Lower Upper

168 100

99 48.7 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

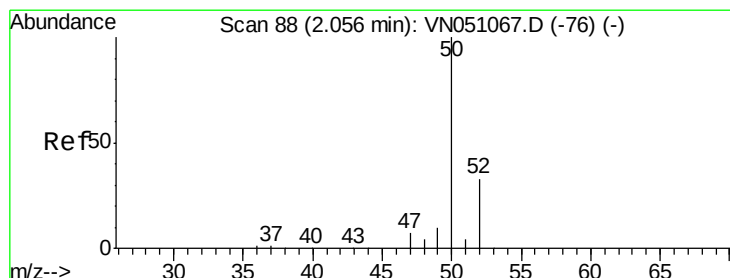
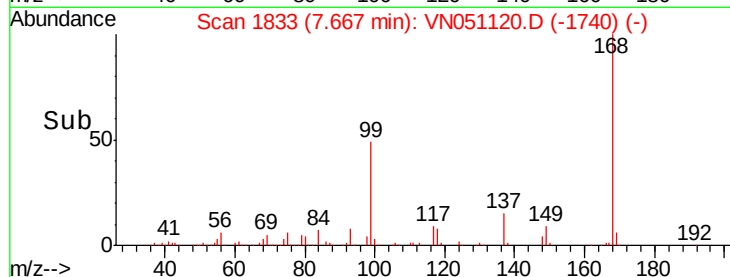
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.52 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051120.D

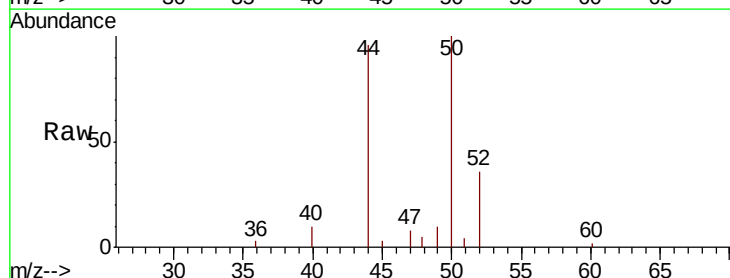
Acq: 11 Sep 2018 12:19

Tgt Ion: 50 Resp: 9101

Ion Ratio Lower Upper

50 100

52 35.9 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

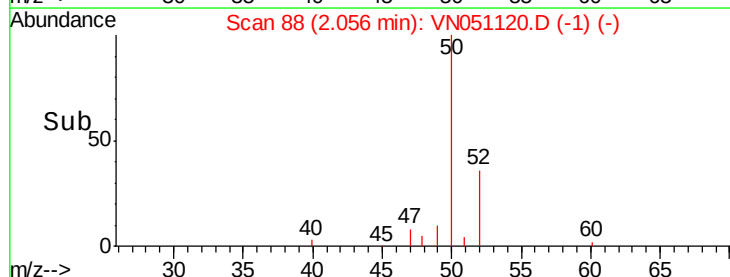
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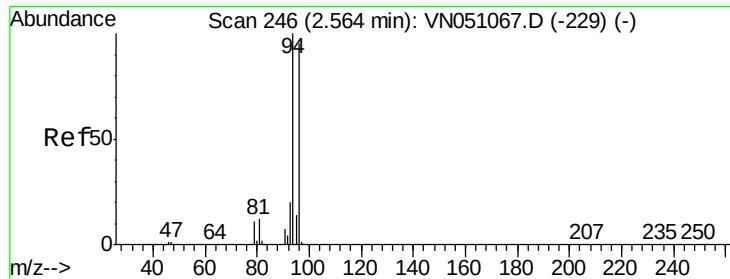
4000

2000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

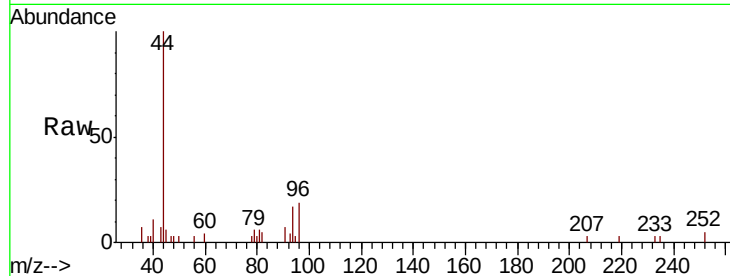
EP1-MW-C

Tot Ion: 94 Resp: 2098

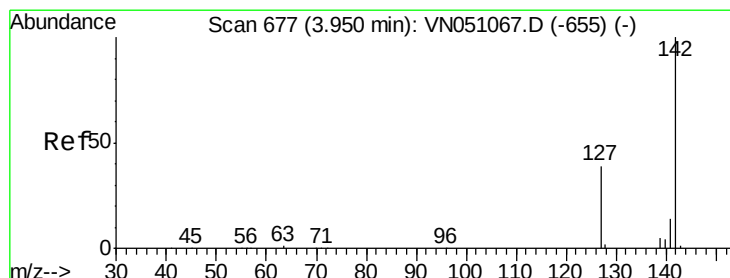
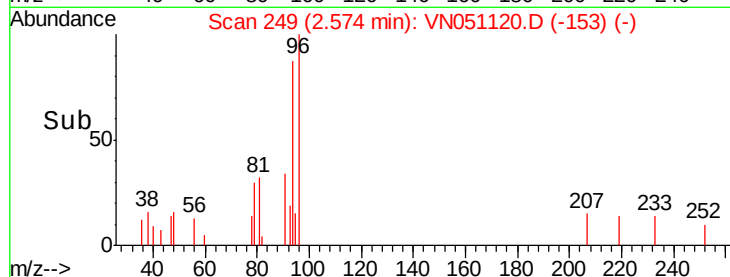
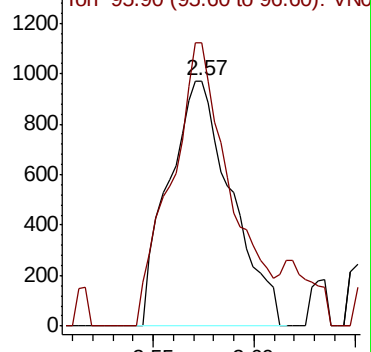
Ion Ratio Lower Upper

94 100

96 115.4 75.9 113.9#



Abundance Ion 93.90 (93.60 to 94.60): VN051120.D (-153) (-)



#10

Methyl Iodide

Concen: 5.68 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.01 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

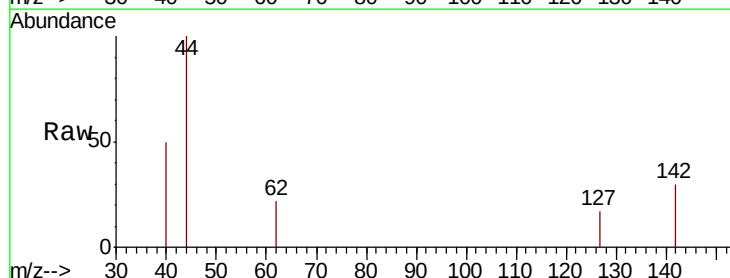
Tgt Ion: 142 Resp: 445

Ion Ratio Lower Upper

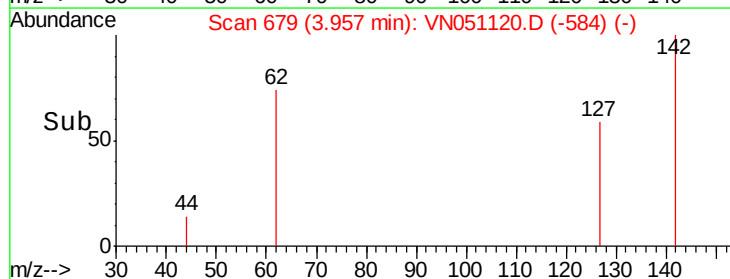
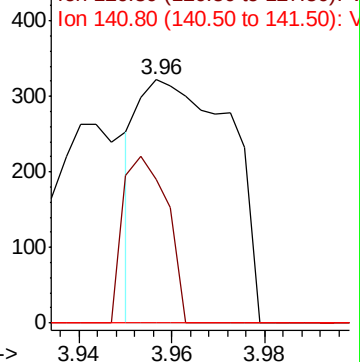
142 100

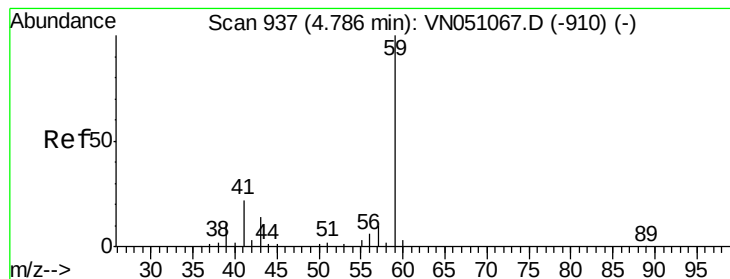
127 32.8 31.0 46.4

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): VN051120.D (-584) (-)





#11

Tert butyl alcohol

Concen: 18.40 ug/l

RT: 4.79 min Scan# 938

Delta R.T. 0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

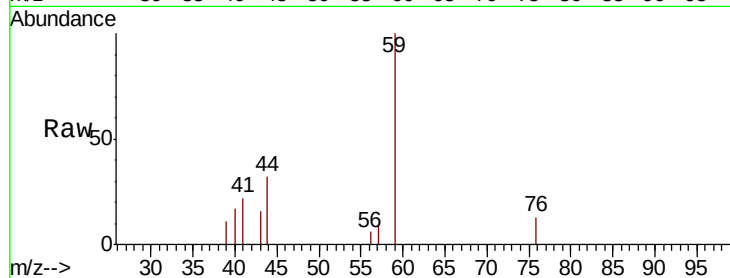
EP1-MW-C

Tot Ion: 59 Resp: 10840

Ion Ratio Lower Upper

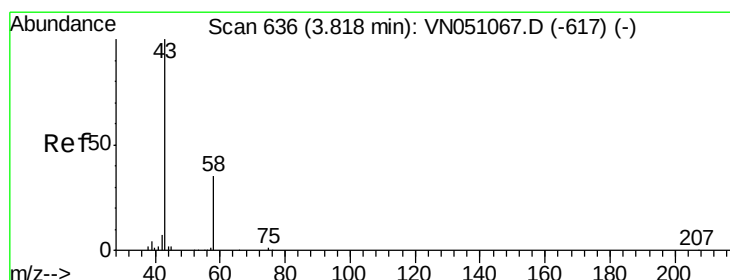
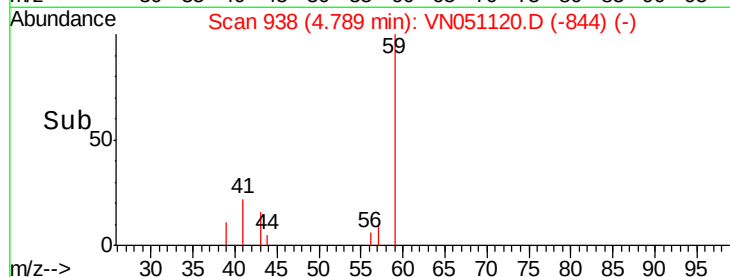
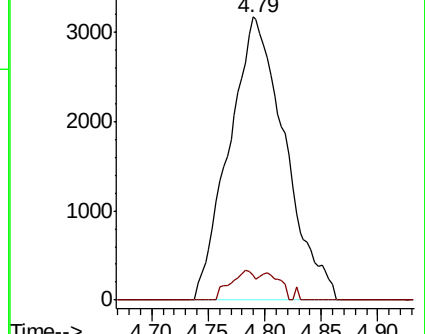
59 100

57 4.6 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 0.63 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051120.D

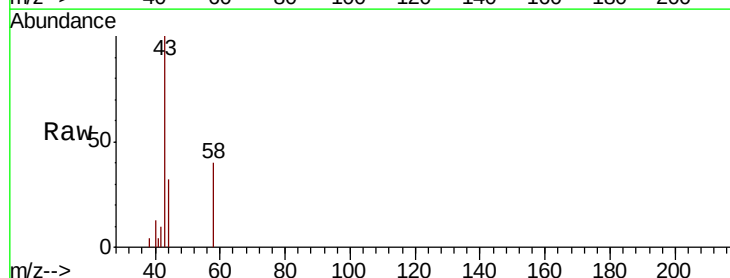
Acq: 11 Sep 2018 12:19

Tgt Ion: 43 Resp: 12313

Ion Ratio Lower Upper

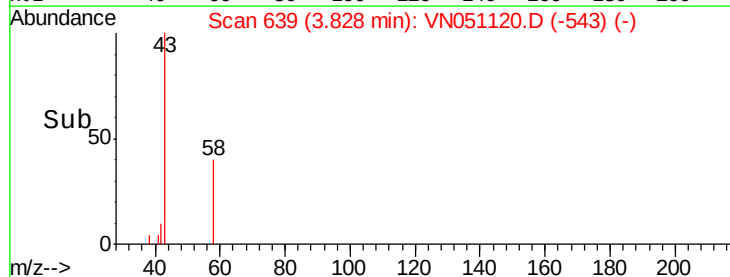
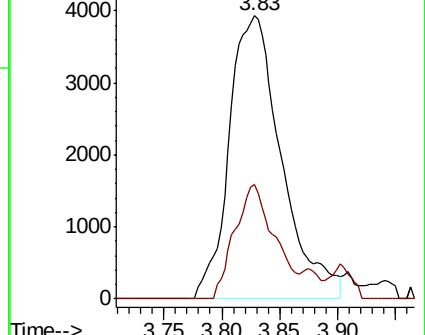
43 100

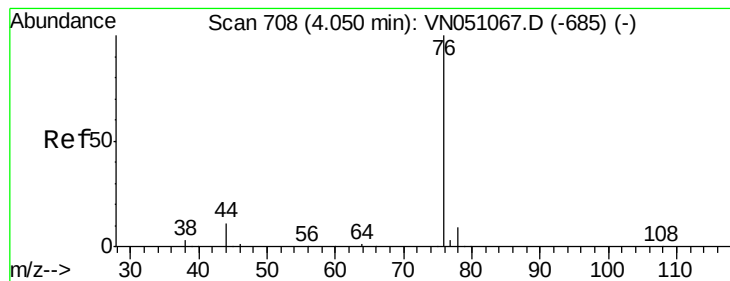
58 40.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.01 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

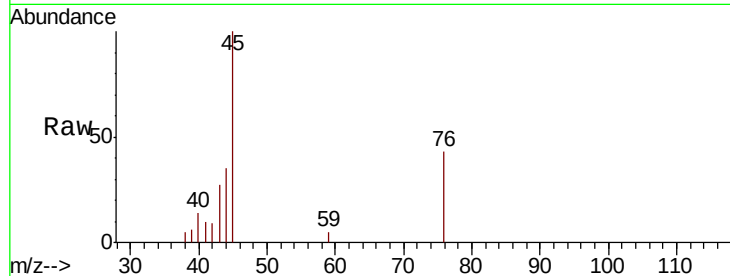
EP1-MW-C

Tot Ion: 76 Resp: 4720

Ion Ratio Lower Upper

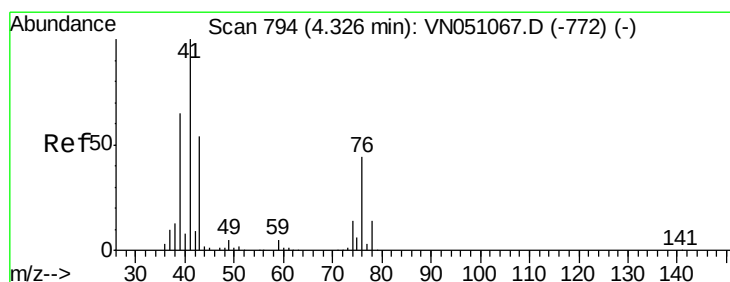
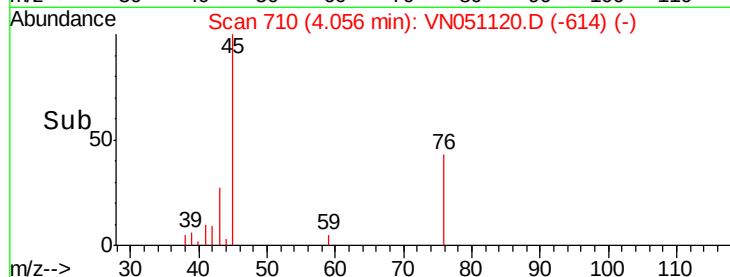
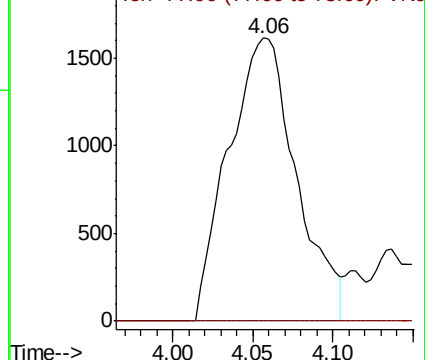
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.37 ug/l

RT: 4.35 min Scan# 800

Delta R.T. 0.02 min

Lab File: VN051120.D

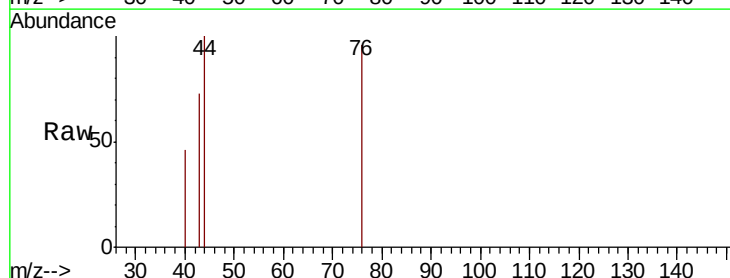
Acq: 11 Sep 2018 12:19

Tgt Ion: 43 Resp: 2282

Ion Ratio Lower Upper

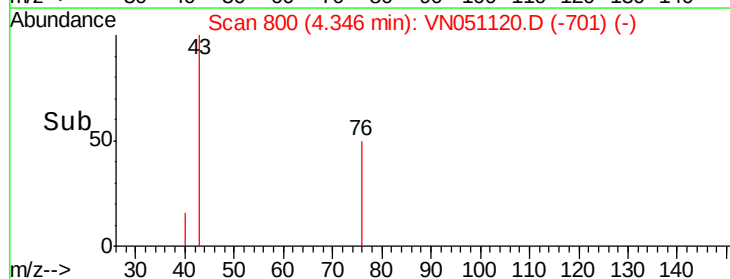
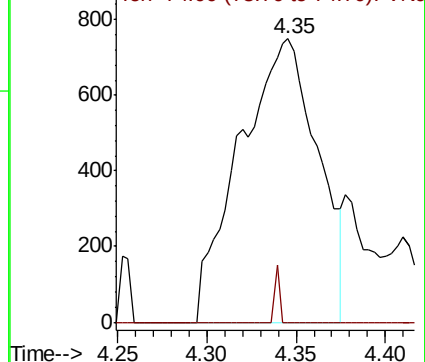
43 100

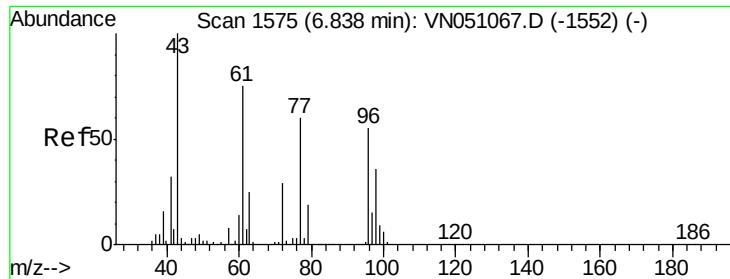
74 1.3 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

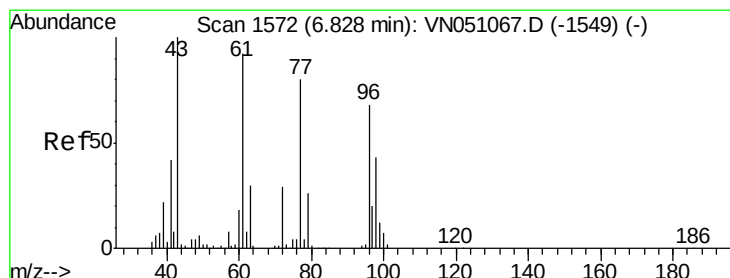
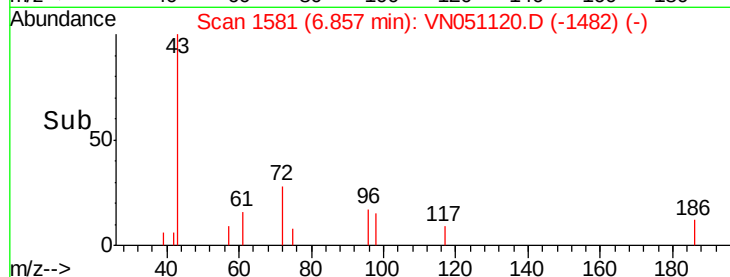
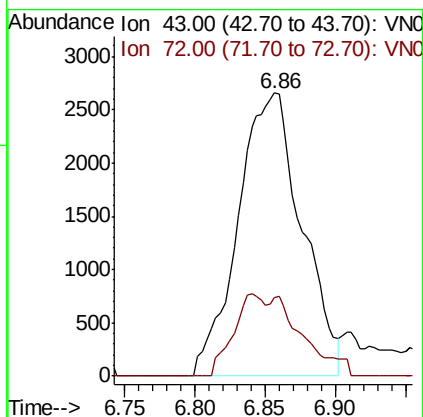
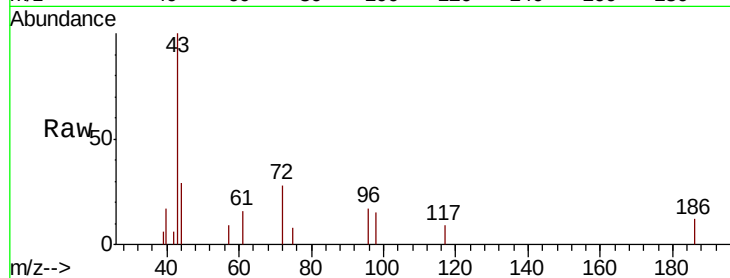




#25
2-Butanone
Concen: 2.77 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

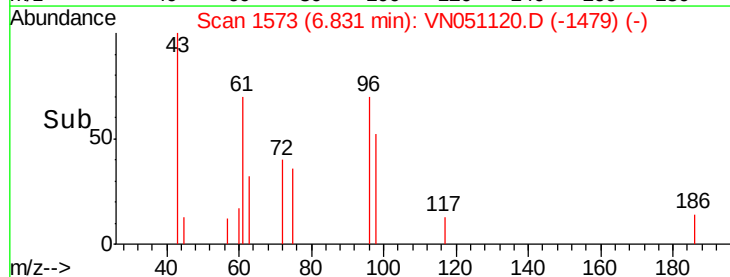
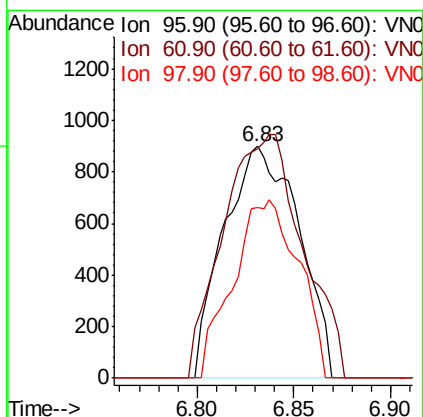
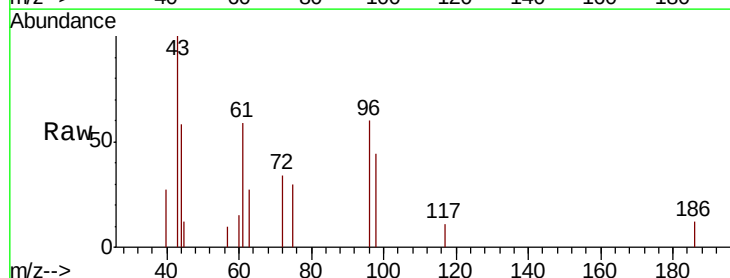
Instrument :
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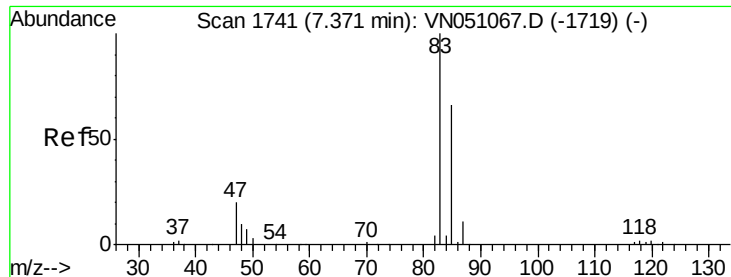
Tot Ion: 43 Resp: 8392
Ion Ratio Lower Upper
43 100
72 27.7 23.0 34.6



#27
cis-1,2-Dichloroethene
Concen: 0.28 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion: 96 Resp: 2429
Ion Ratio Lower Upper
96 100
61 110.6 0.0 278.2
98 67.0 0.0 129.4

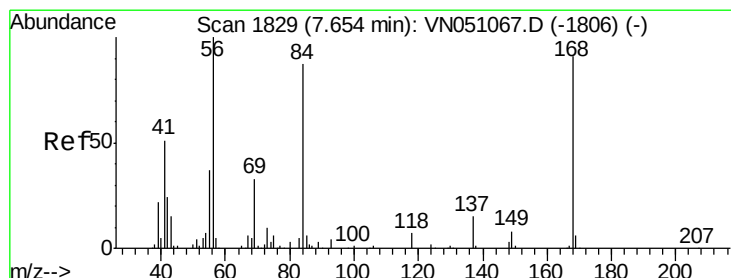
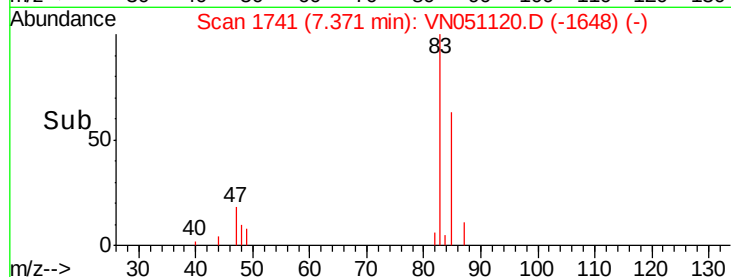
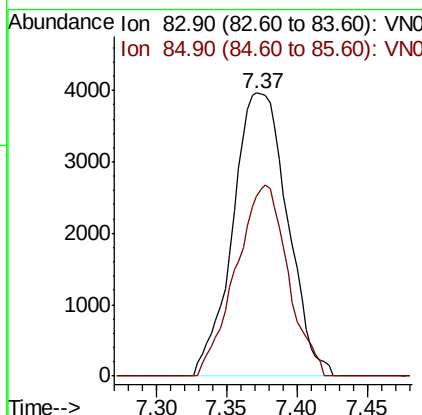
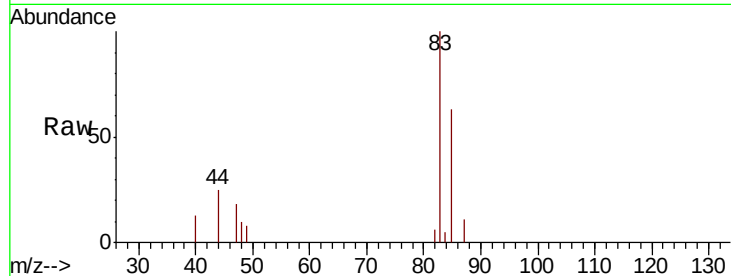




#30
Chloroform
Concen: 0.76 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

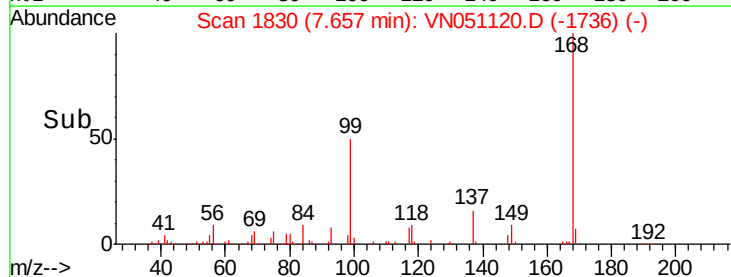
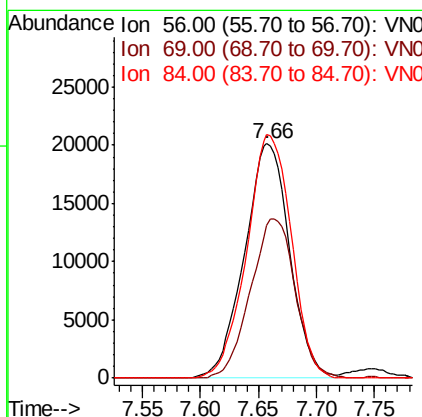
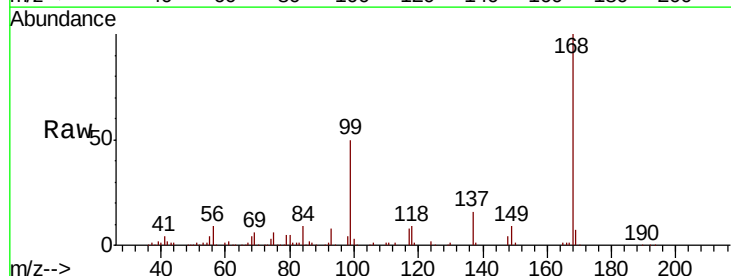
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

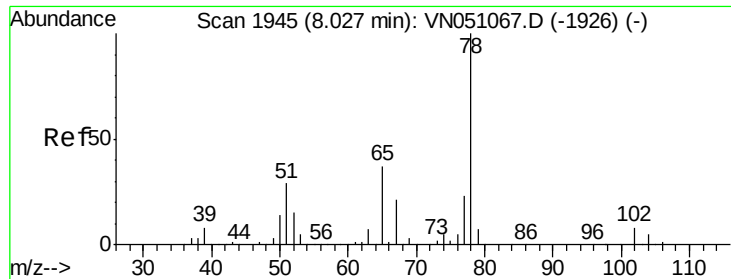
Tot Ion: 83 Resp: 10755
Ion Ratio Lower Upper
83 100
85 63.4 52.6 79.0



#31
Cyclohexane
Concen: 4.11 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion: 56 Resp: 54620
Ion Ratio Lower Upper
56 100
69 65.0 26.3 39.5#
84 103.9 69.4 104.0

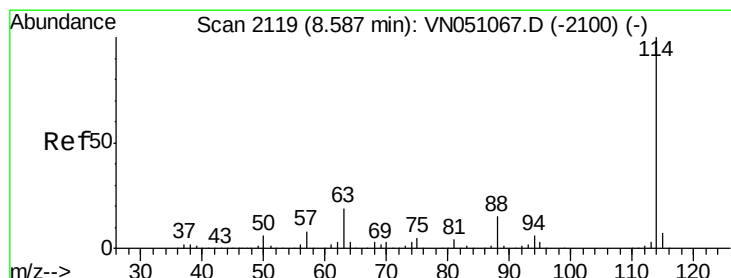
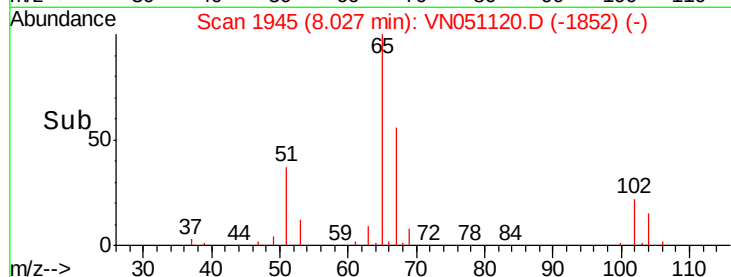
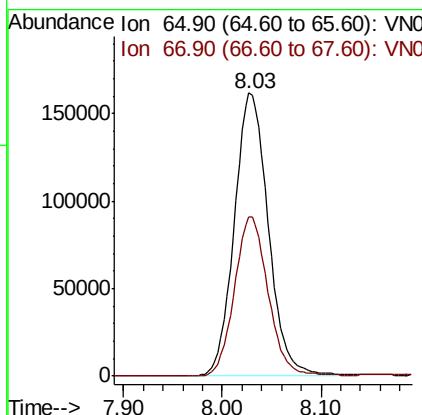
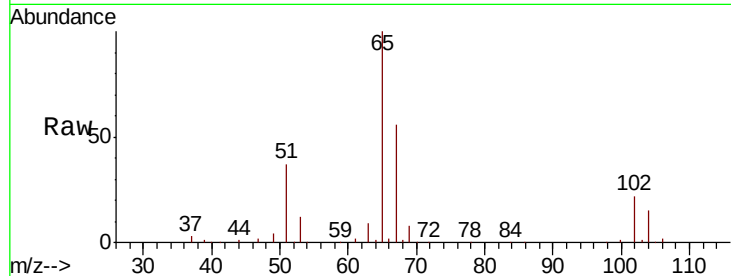




#33
 1,2-Dichloroethane-d4
 Concen: 50.25 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

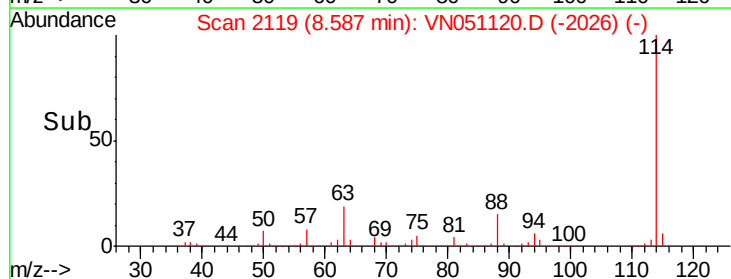
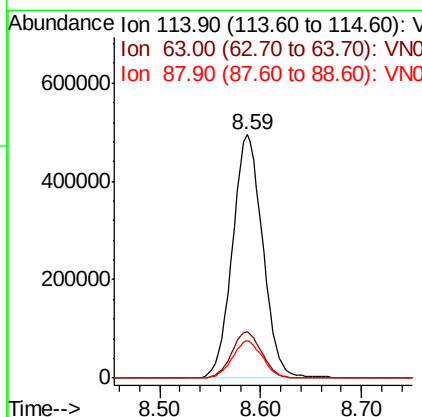
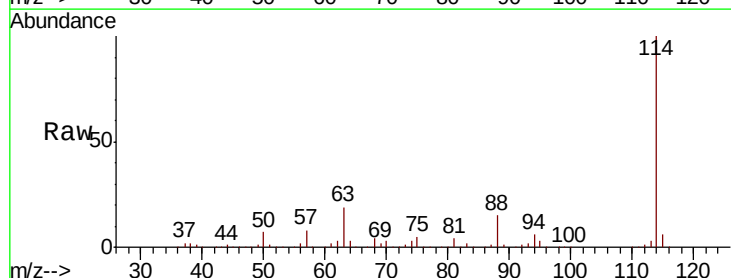
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C

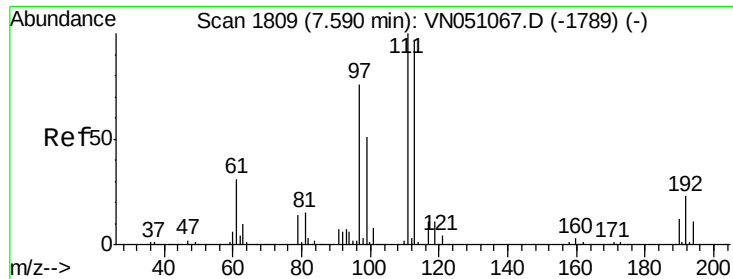
Tot Ion: 65 Resp: 387508
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Tgt Ion: 114 Resp: 1030062
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 15.2 0.0 30.8

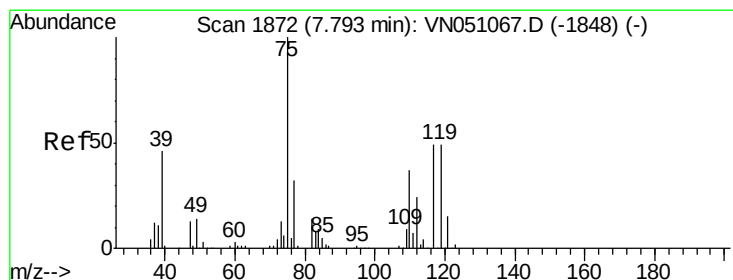
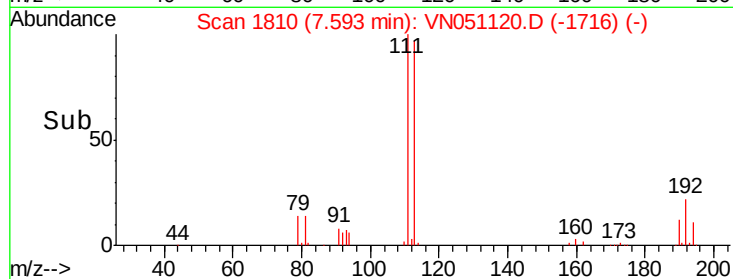
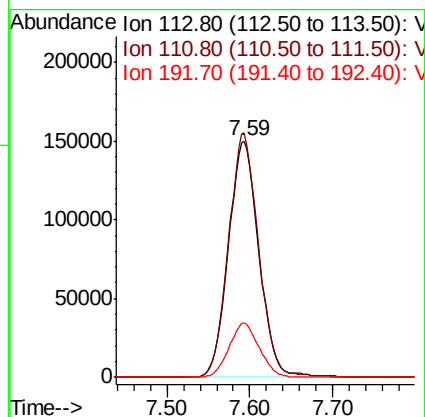
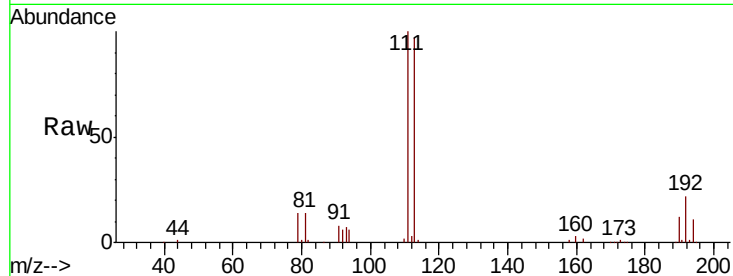




#35
Dibromofluoromethane
Concen: 49.53 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

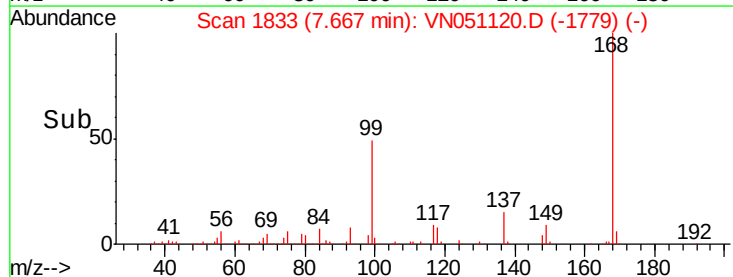
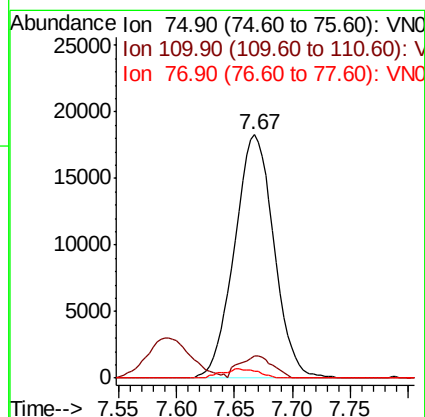
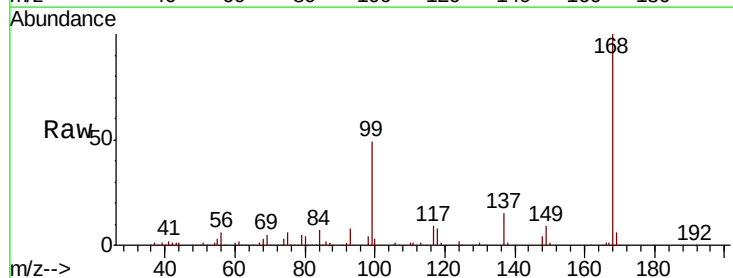
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

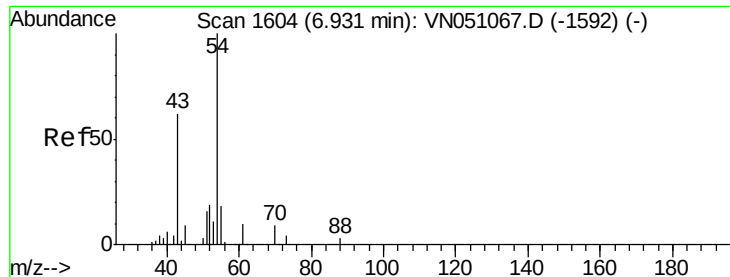
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.0	124.6
192	22.8	18.7	28.1



#36
1,1-Dichloropropene
Concen: 3.82 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.6	55.8#
77	3.5	25.2	37.8#

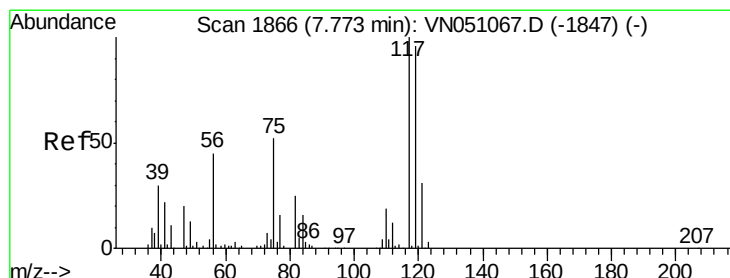
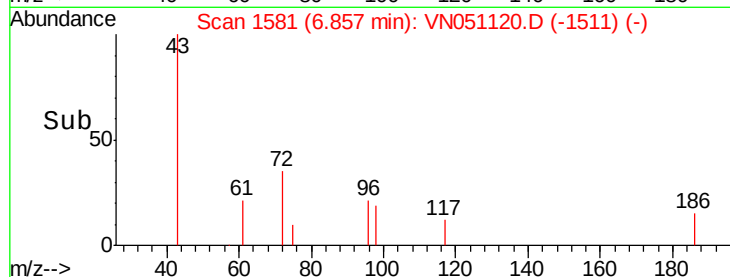
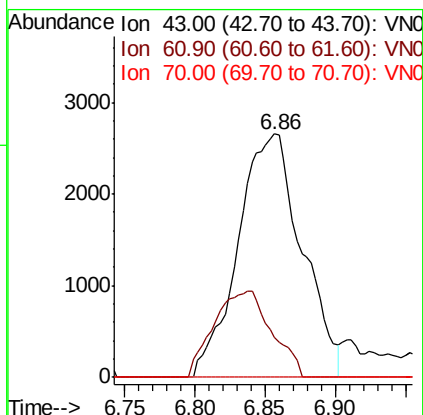
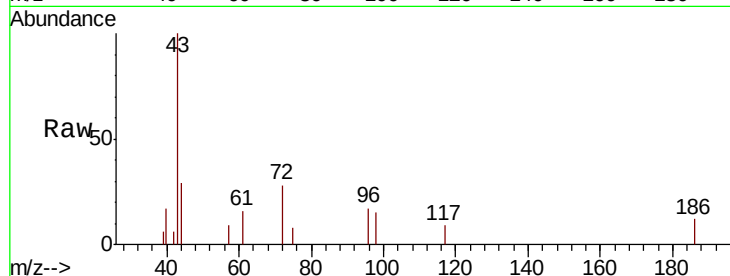




#37
Ethyl Acetate
Concen: 1.28 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. -0.07 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

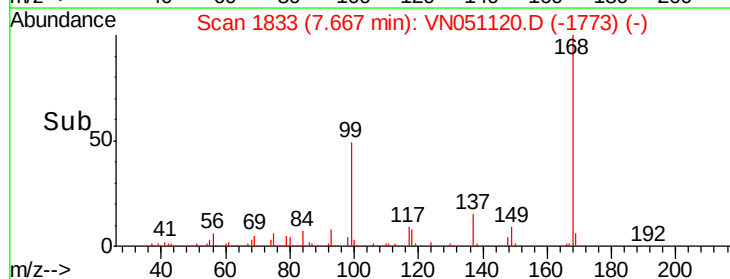
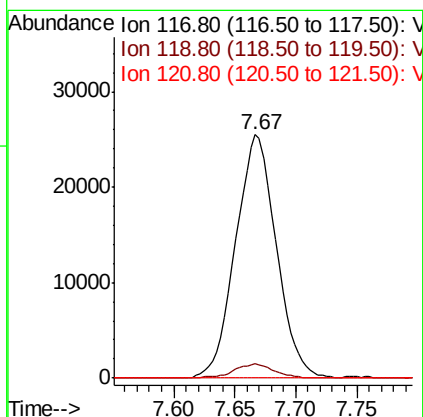
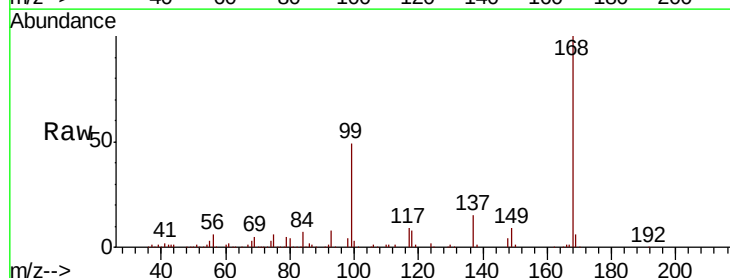
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

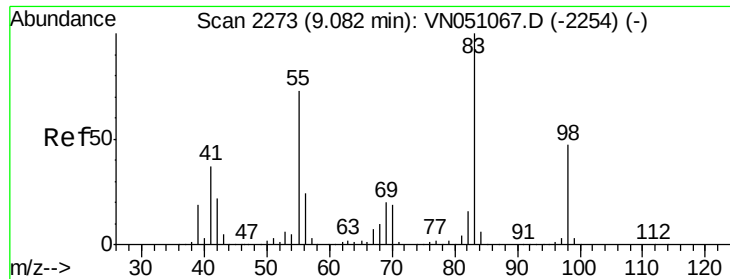
Tot Ion: 43 Resp: 8392
Ion Ratio Lower Upper
43 100
61 32.0 12.4 18.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion: 117 Resp: 58837
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 24.6 36.8#

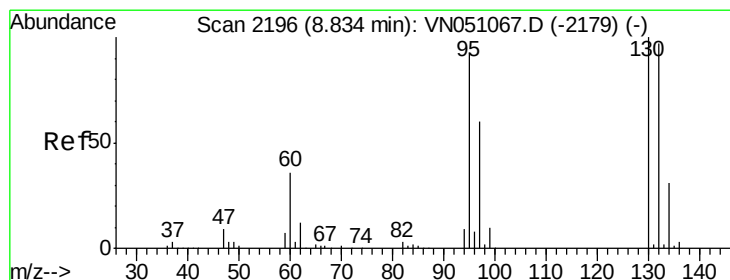
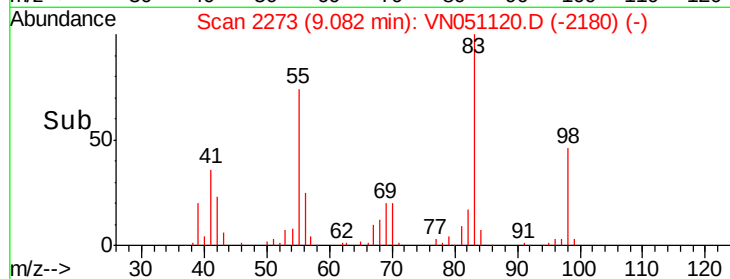
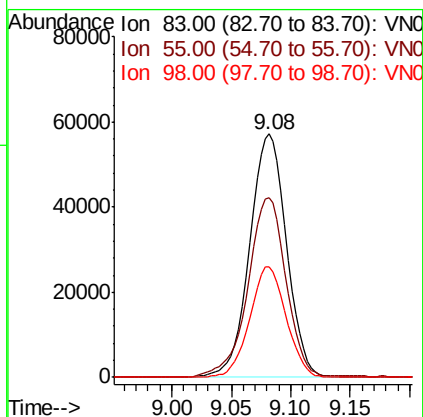
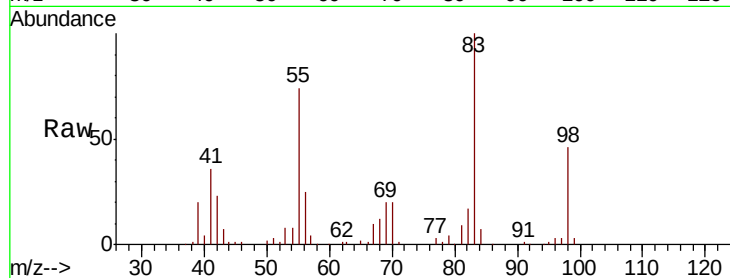




#39
Methylvlcyclohexane
Concen: 9.80 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

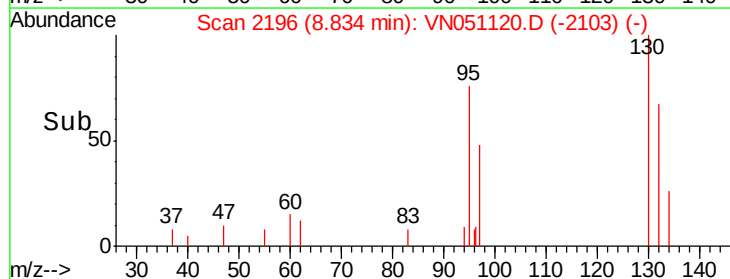
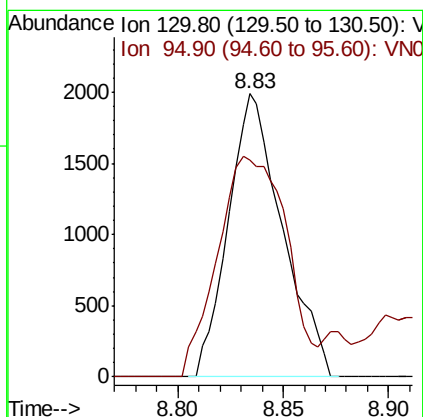
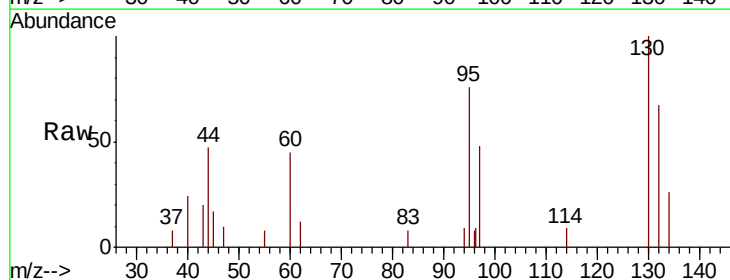
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

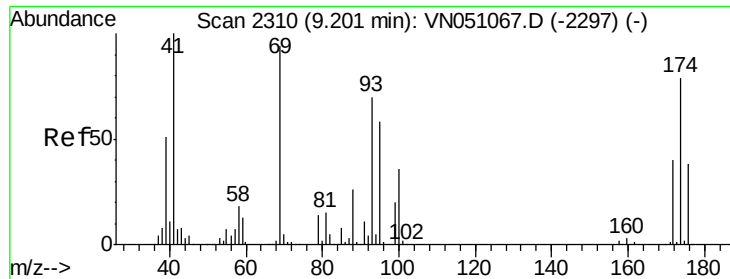
Tot Ion: 83 Resp: 122264
Ion Ratio Lower Upper
83 100
55 74.0 58.4 87.6
98 45.5 37.3 55.9



#44
Trichloroethene
Concen: 0.38 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion:130 Resp: 3531
Ion Ratio Lower Upper
130 100
95 65.9 0.0 186.2

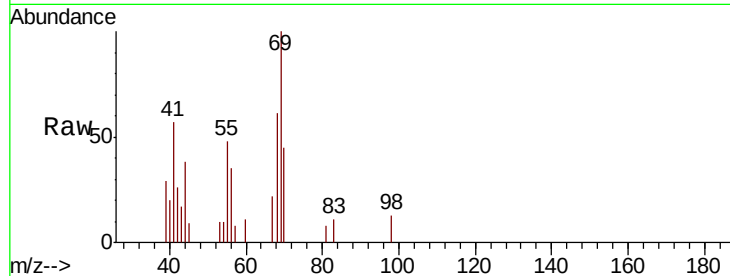




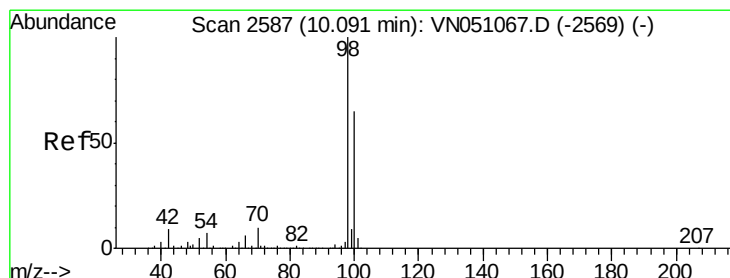
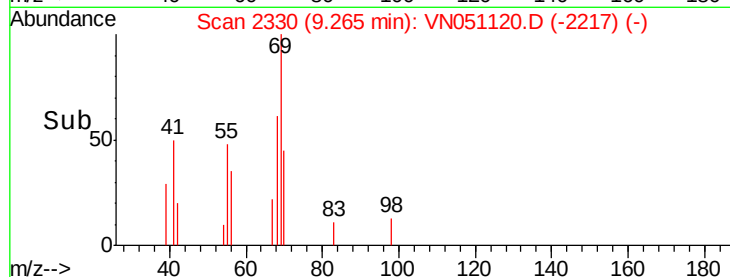
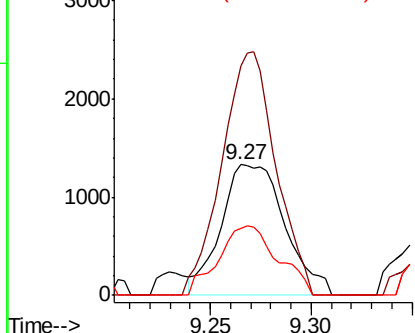
#48
Methvl methacrylate
Concen: 0.52 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.06 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-C

Tot Ion: 41 Resp: 2950
Ion Ratio Lower Upper
41 100
69 156.9 77.7 116.5#
39 49.4 41.6 62.4

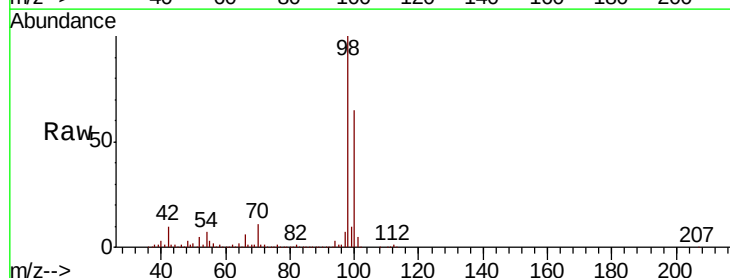


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

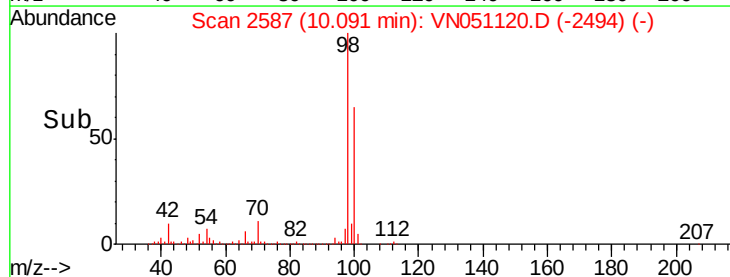
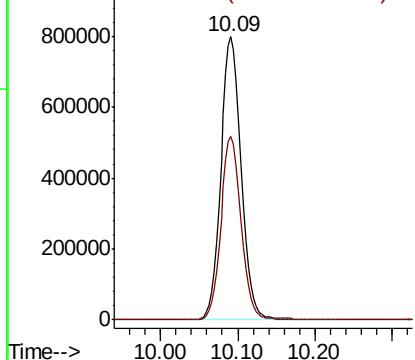


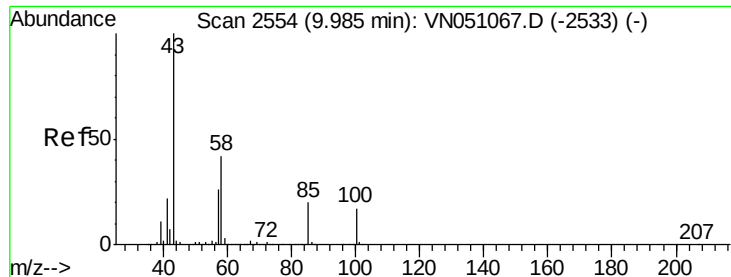
#50
Toluene-d8
Concen: 49.91 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion: 98 Resp: 1465839
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

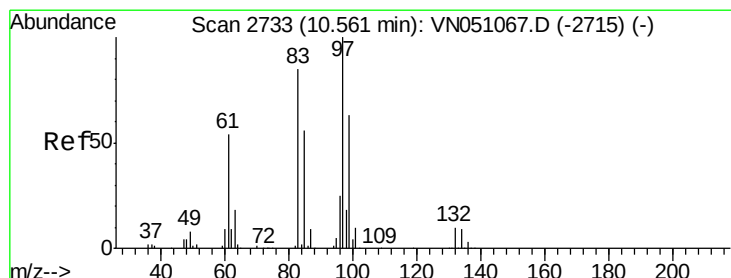
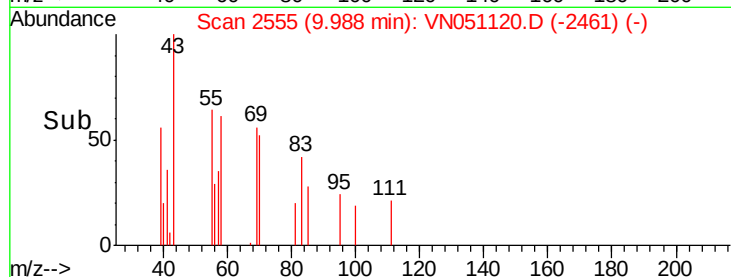
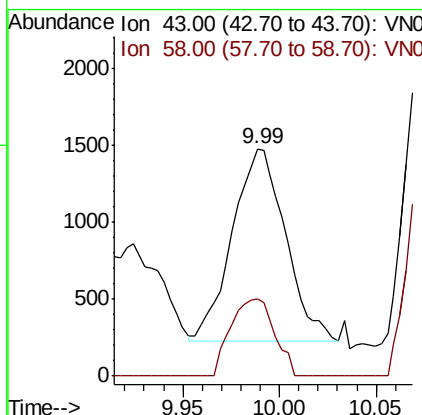
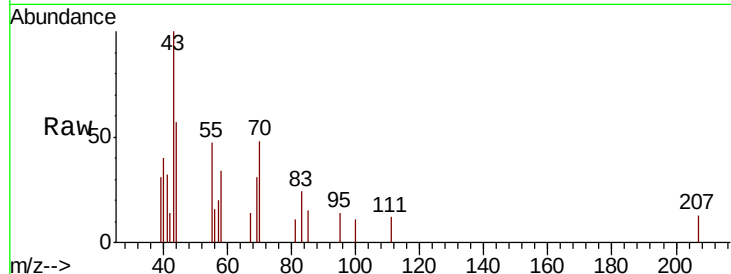




#51
 4-Methyl-2-Pentanone
 Concen: 0.37 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

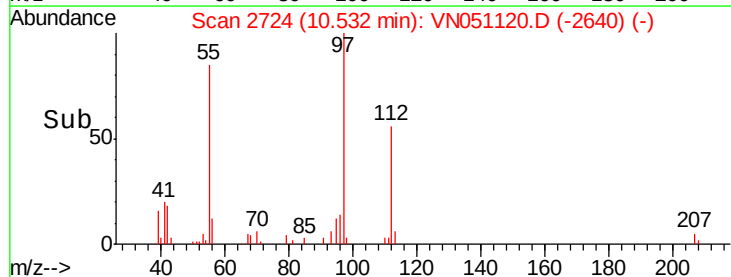
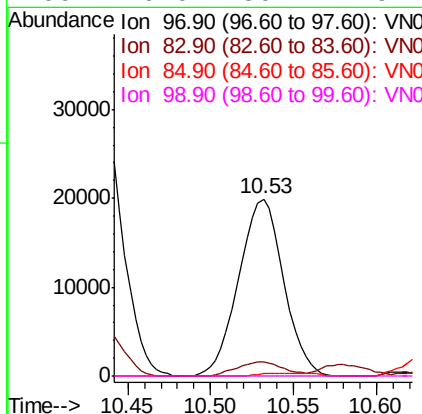
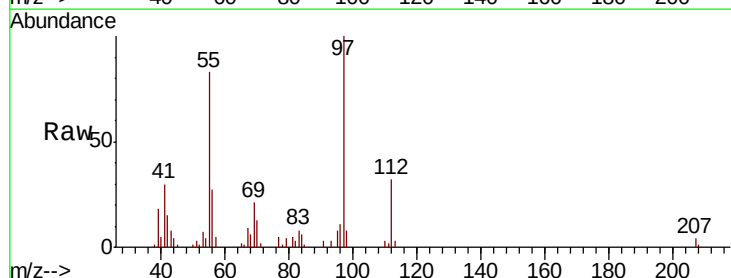
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-C

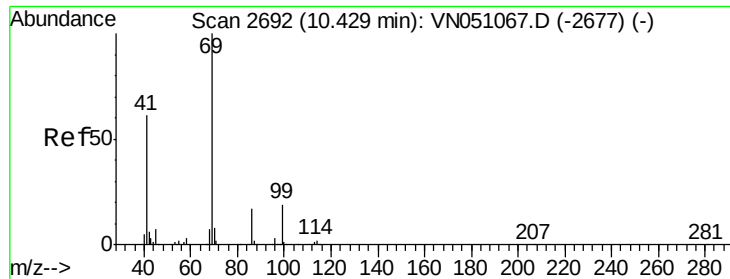
Tot Ion: 43 Resp: 2395
 Ion Ratio Lower Upper
 43 100
 58 32.9 33.5 50.3#



#55
 1,1,2-Trichloroethane
 Concen: 4.97 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Tgt Ion: 97 Resp: 37538
 Ion Ratio Lower Upper
 97 100
 83 8.1 68.2 102.2#
 85 1.4 44.8 67.2#
 99 0.0 50.2 75.4#

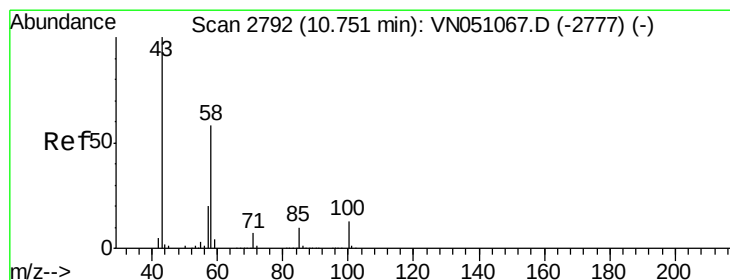
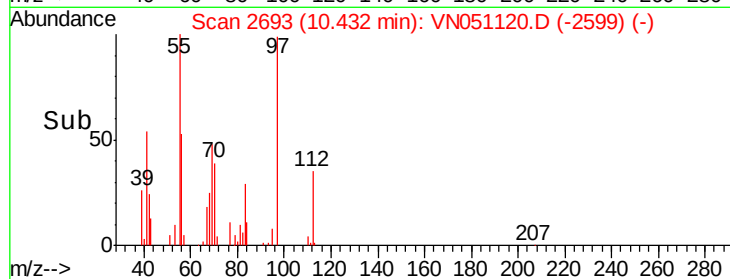
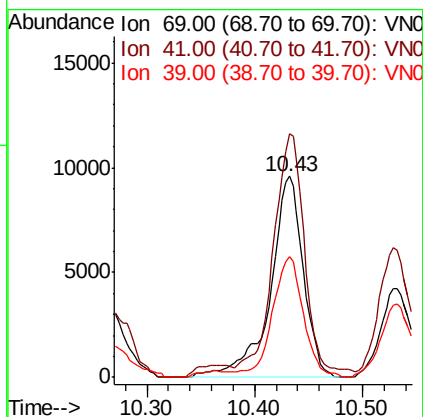
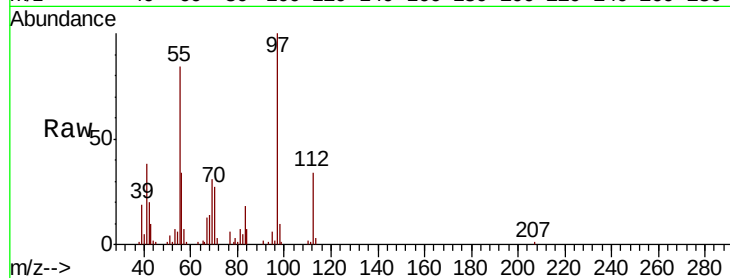




#56
Ethyl methacrylate
Concen: 4.37 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

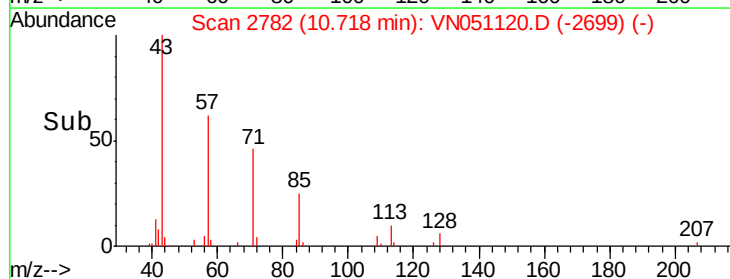
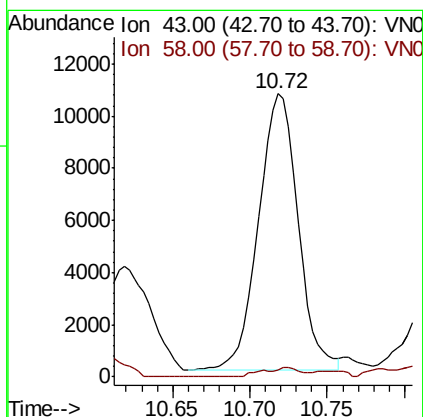
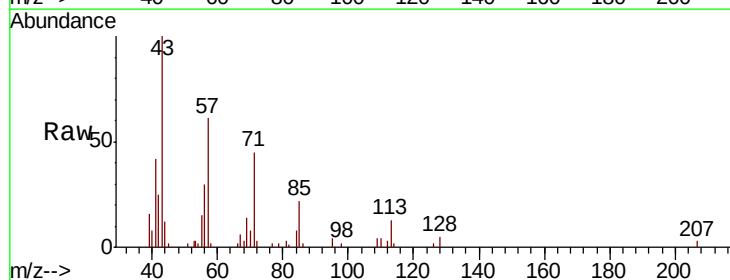
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-C

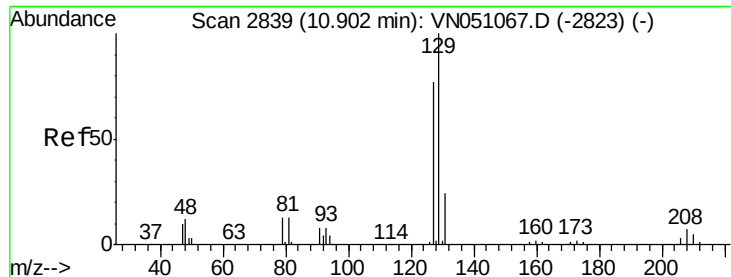
Tot Ion: 69 Resp: 20380
Ion Ratio Lower Upper
69 100
41 111.9 47.8 71.8#
39 56.6 23.0 34.4#



#59
2-Hexanone
Concen: 4.38 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion: 43 Resp: 18967
Ion Ratio Lower Upper
43 100
58 1.0 29.3 88.0#





#60

Dibromochloromethane

Concen: 0.83 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

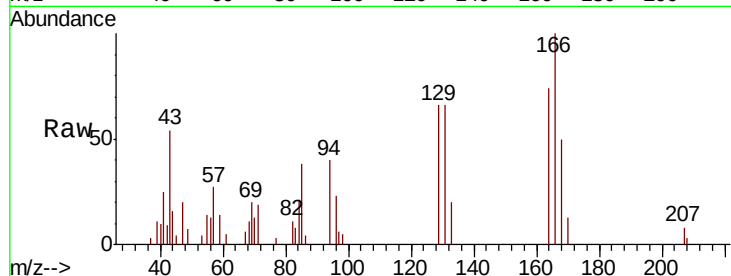
EP1-MW-C

Tot Ion:129 Resp: 7095

Ion Ratio Lower Upper

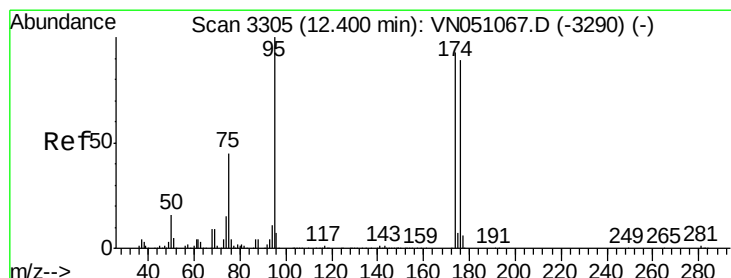
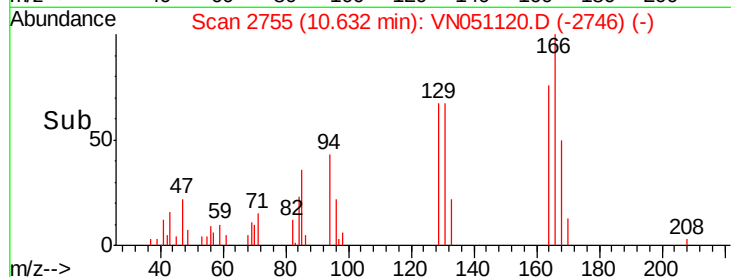
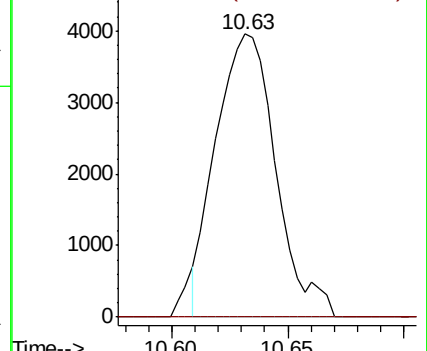
129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 51.06 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

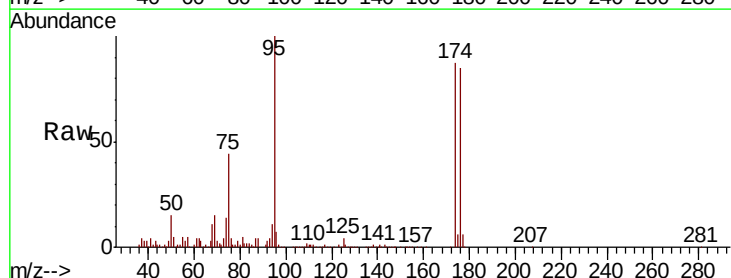
Tgt Ion: 95 Resp: 496109

Ion Ratio Lower Upper

95 100

174 89.5 0.0 184.8

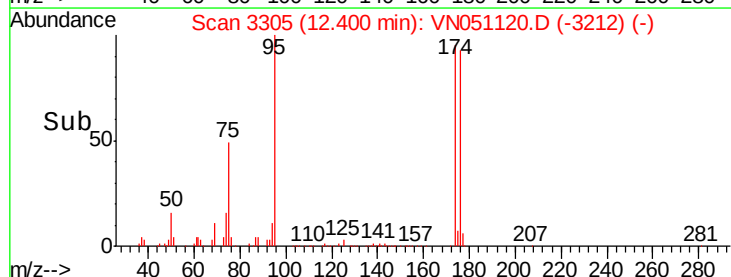
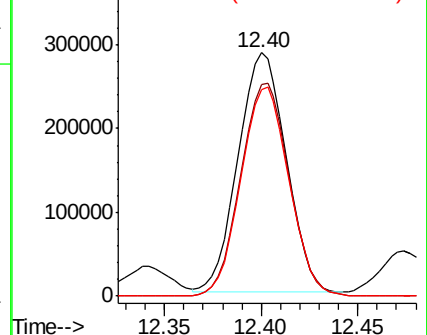
176 87.2 0.0 178.6

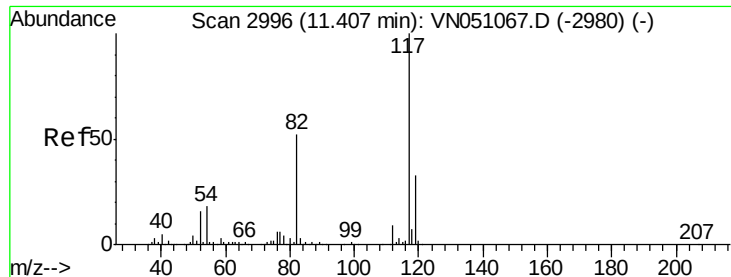


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

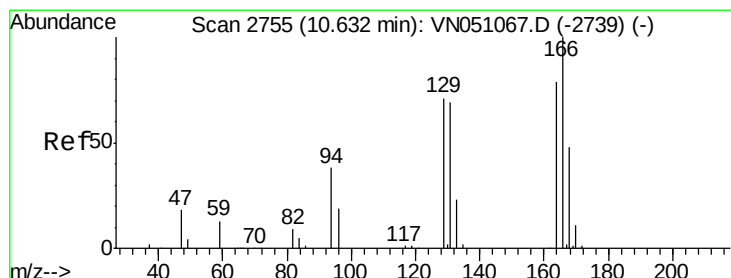
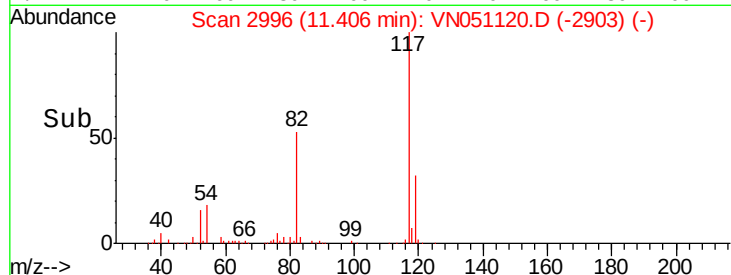
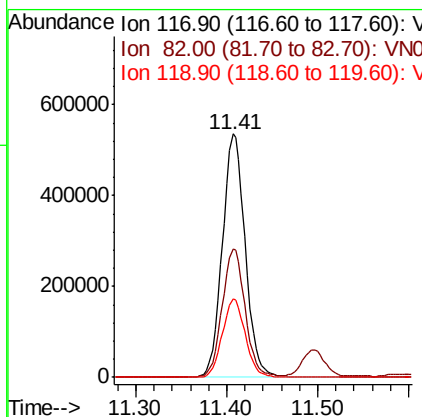
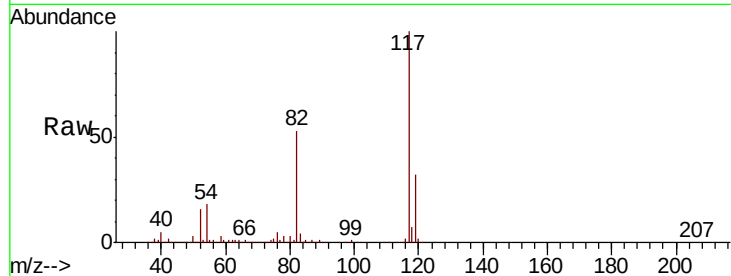




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

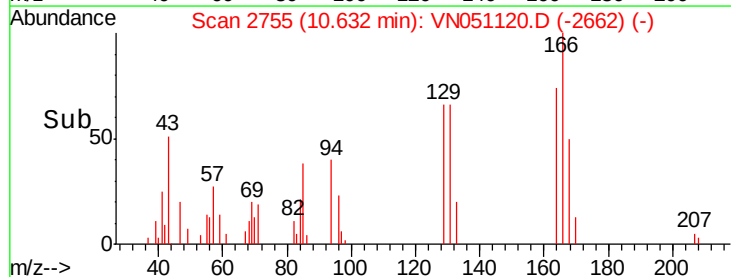
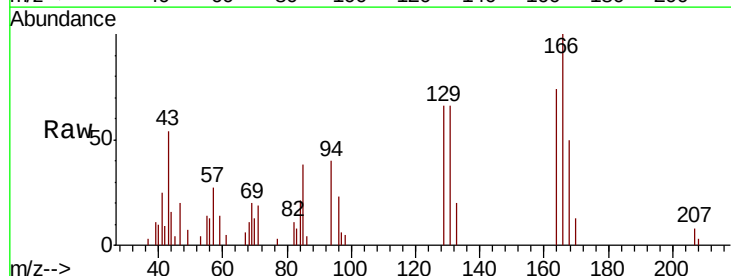
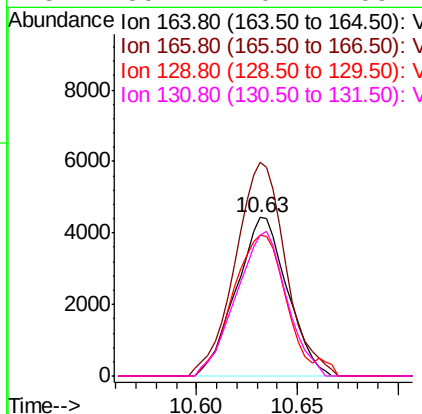
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

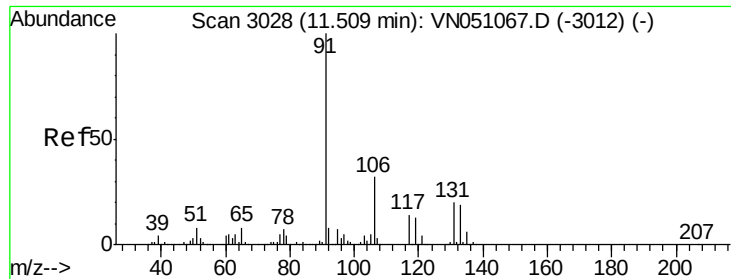
Tot Ion:117 Resp: 933805
Ion Ratio Lower Upper
117 100
82 52.5 41.8 62.6
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 0.92 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion:164 Resp: 7845
Ion Ratio Lower Upper
164 100
166 134.7 101.3 151.9
129 89.2 72.2 108.2
131 89.2 70.2 105.2





#67

Ethyl Benzene

Concen: 10.79 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

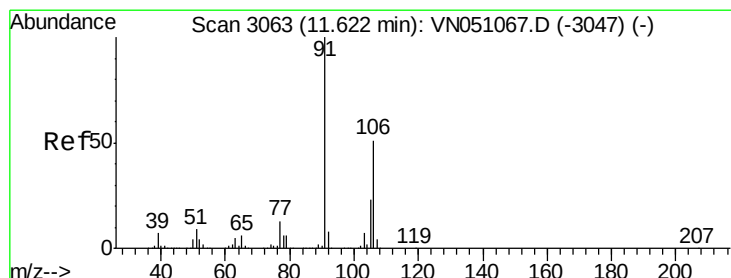
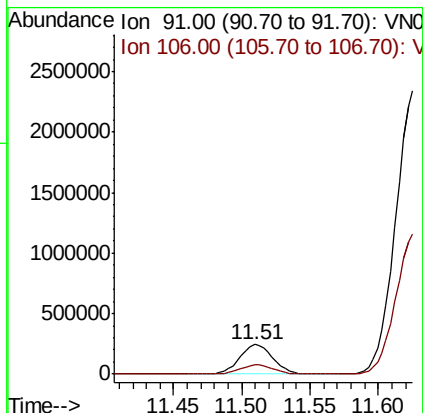
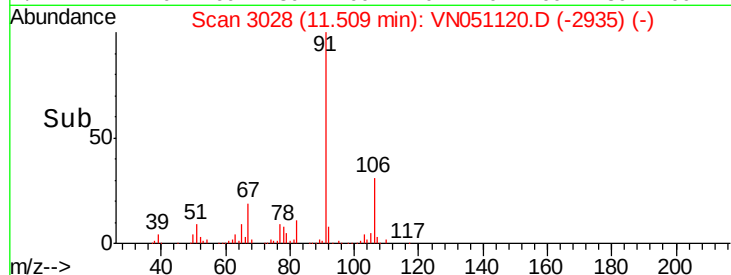
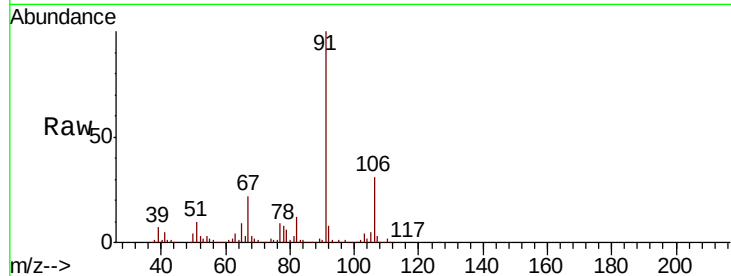
EP1-MW-C

Tot Ion: 91 Resp: 411372

Ion Ratio Lower Upper

91 100

106 31.4 25.4 38.2



#68

m/p-Xylenes

Concen: 139.01 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN051120.D

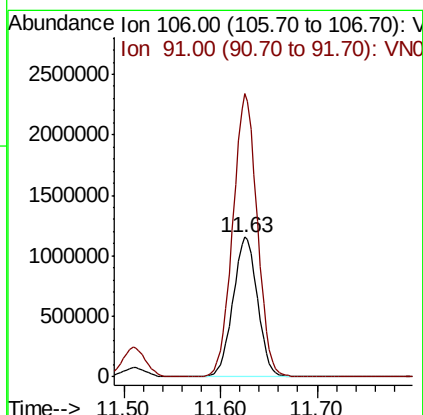
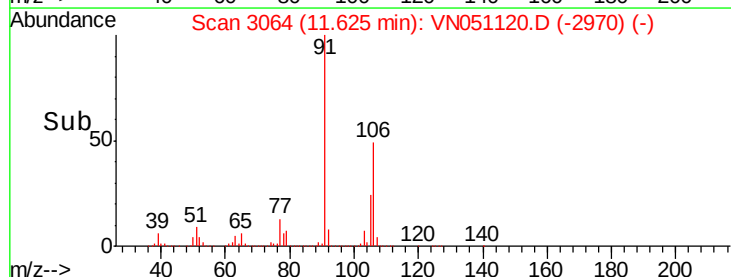
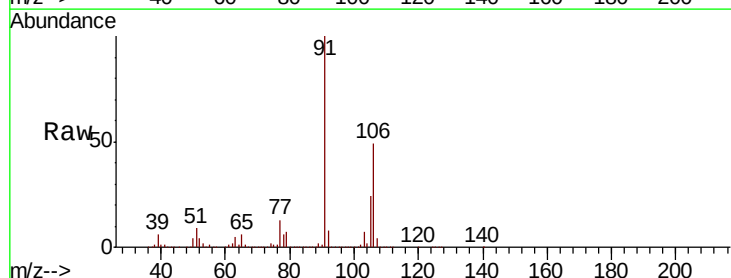
Acq: 11 Sep 2018 12:19

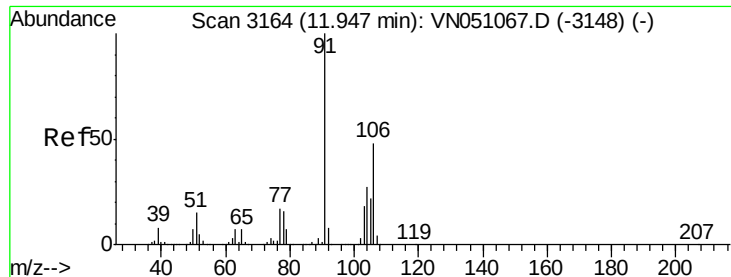
Tgt Ion:106 Resp: 2035975

Ion Ratio Lower Upper

106 100

91 201.3 159.8 239.6

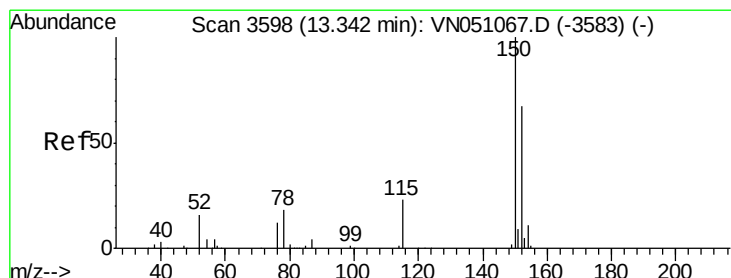
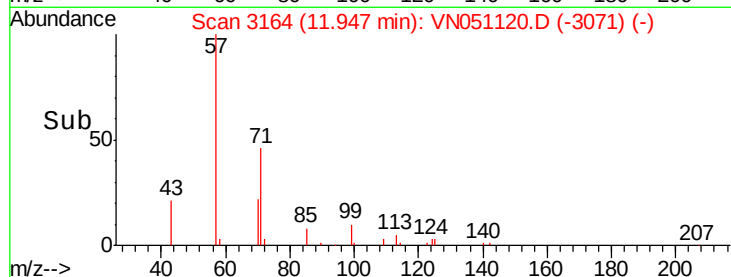
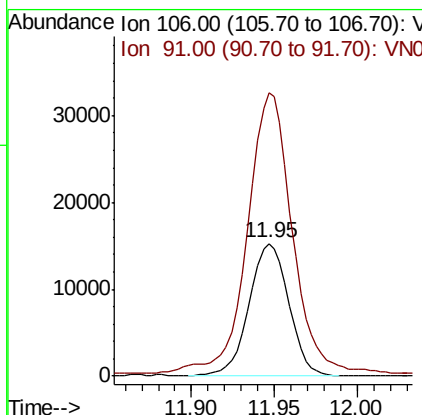
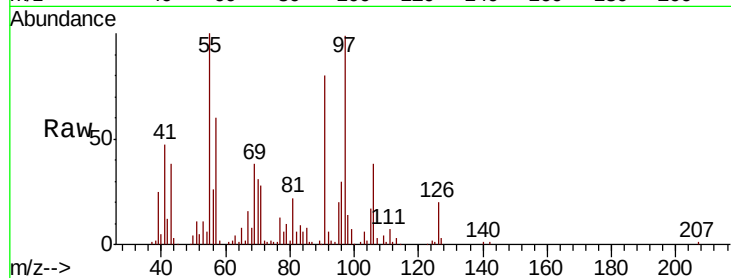




#69
o-Xylene
Concen: 1.79 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

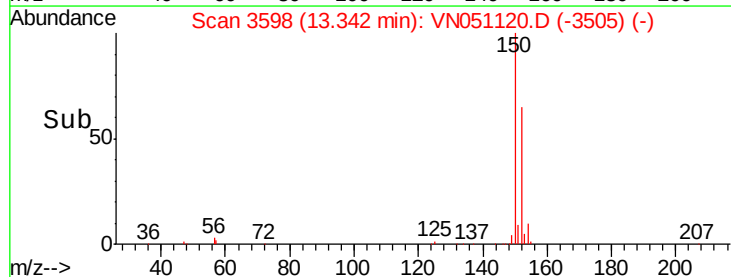
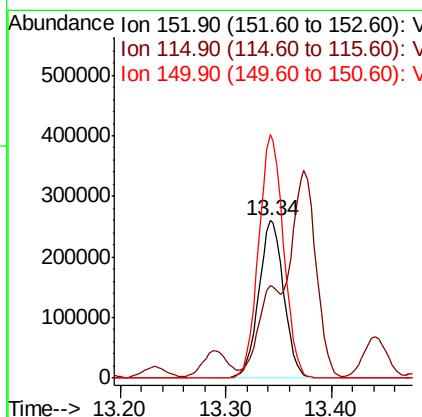
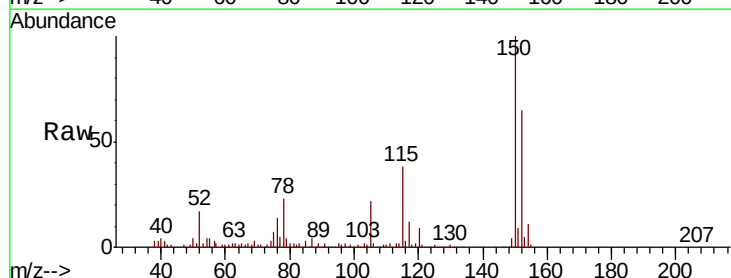
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-C

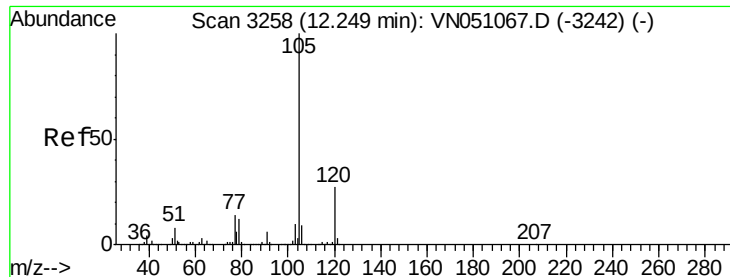
Tot Ion:106 Resp: 25454
Ion Ratio Lower Upper
106 100
91 240.0 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion:152 Resp: 428966
Ion Ratio Lower Upper
152 100
115 44.6 28.2 84.7
150 154.2 0.0 349.0





#73

Isopropylbenzene

Concen: 228.36 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

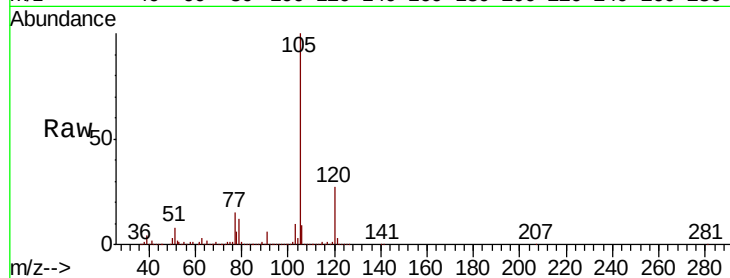
EP1-MW-C

Tot Ion:105 Resp: 8215253

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

6000000

5000000

4000000

3000000

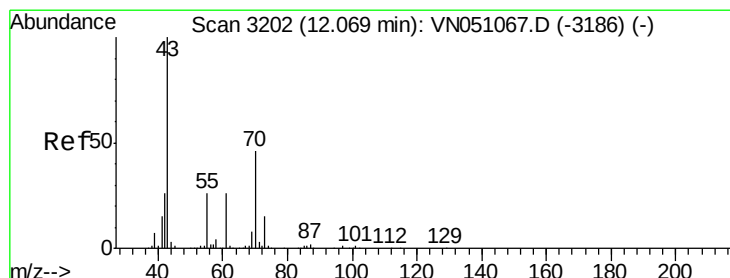
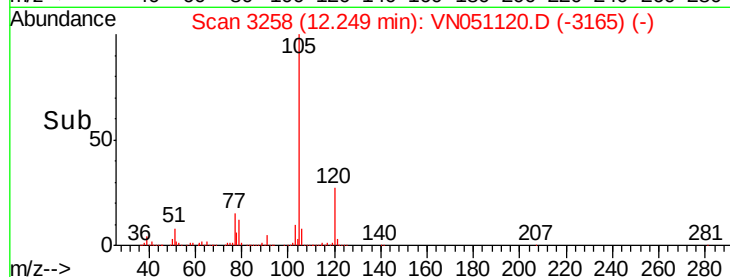
2000000

1000000

0

12.10 12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 10.62 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Tgt Ion: 43 Resp: 96141

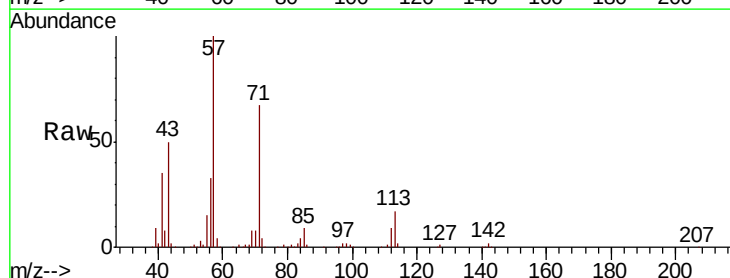
Ion Ratio Lower Upper

43 100

70 11.1 37.0 55.4#

55 0.0 21.3 31.9#

61 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

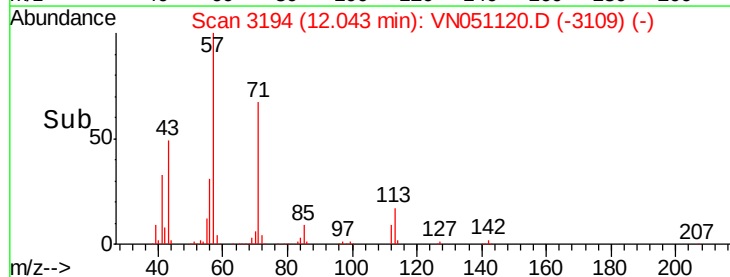
40000

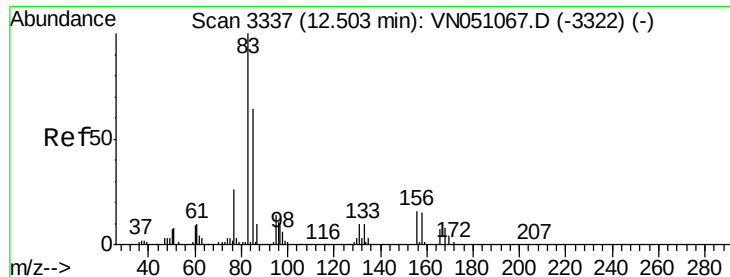
20000

0

12.00 12.05

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.74 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C

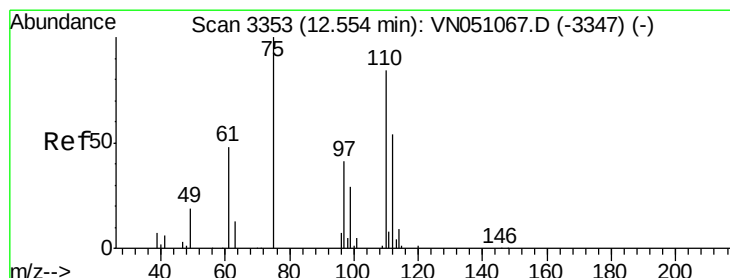
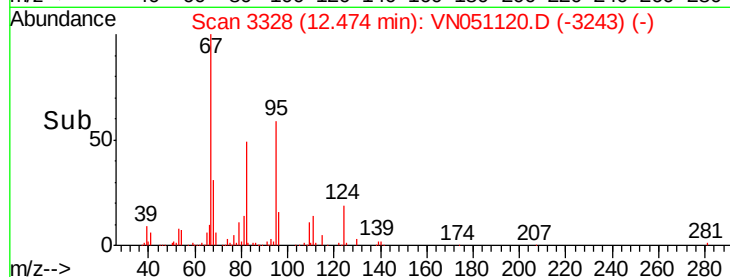
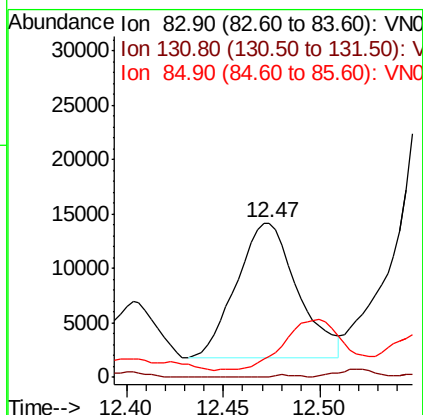
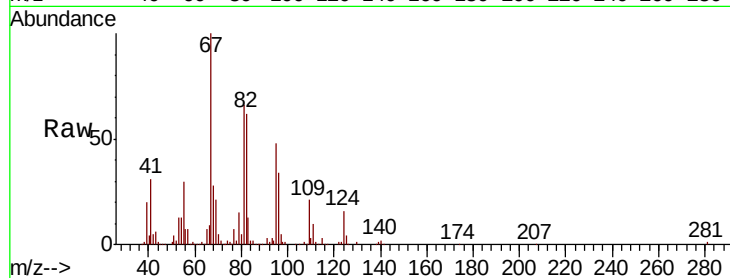
Tot Ion: 83 Resp: 27071

Ion Ratio Lower Upper

83 100

131 0.7 5.3 16.1#

85 0.0 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 12.87 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN051120.D

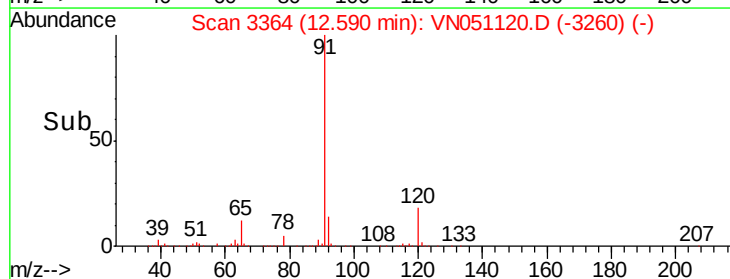
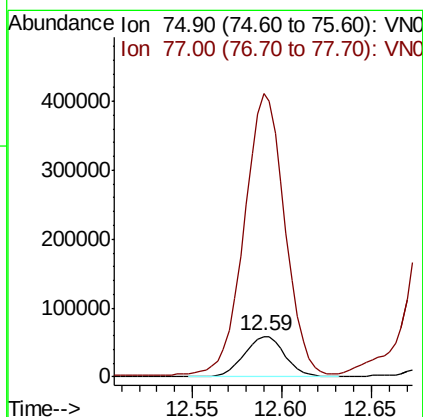
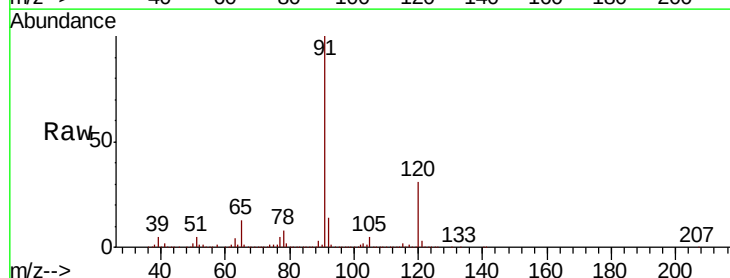
Acq: 11 Sep 2018 12:19

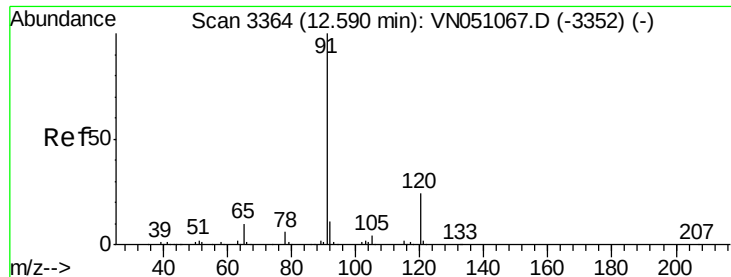
Tgt Ion: 75 Resp: 92930

Ion Ratio Lower Upper

75 100

77 698.5 0.0 0.0#





#78

n-propylbenzene

Concen: 14.85 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.10 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

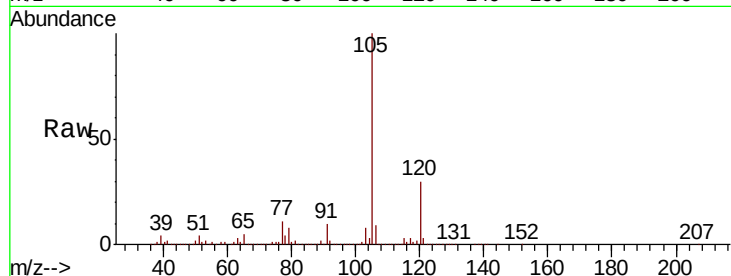
EP1-MW-C

Tot Ion: 91 Resp: 587323

Ion Ratio Lower Upper

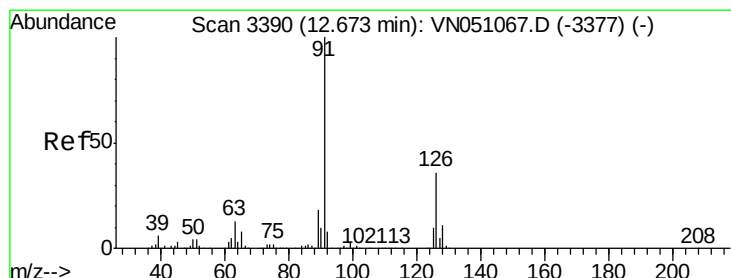
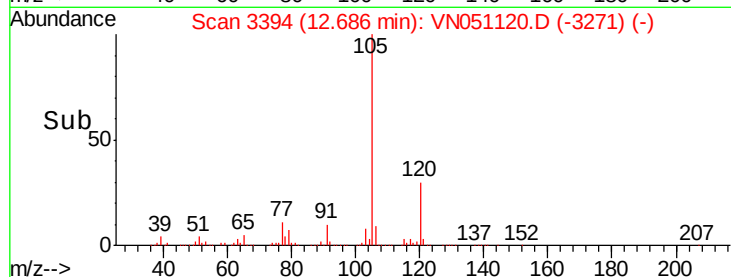
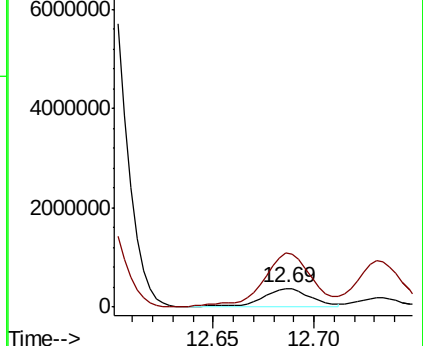
91 100

120 312.8 12.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 23.76 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN051120.D

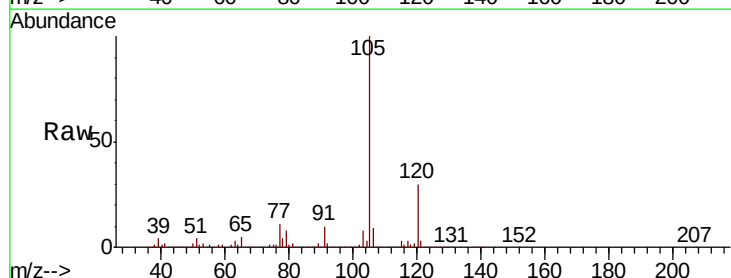
Acq: 11 Sep 2018 12:19

Tgt Ion: 91 Resp: 587323

Ion Ratio Lower Upper

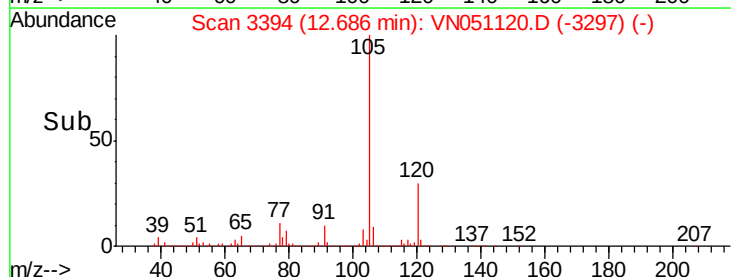
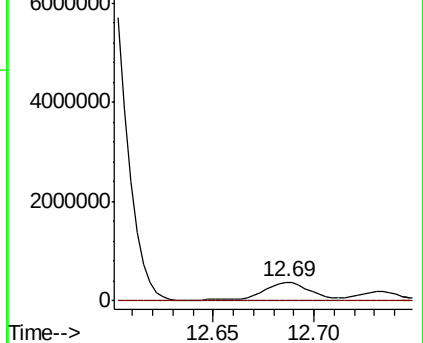
91 100

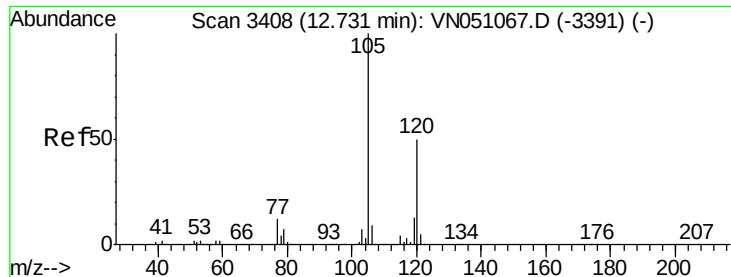
126 0.1 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

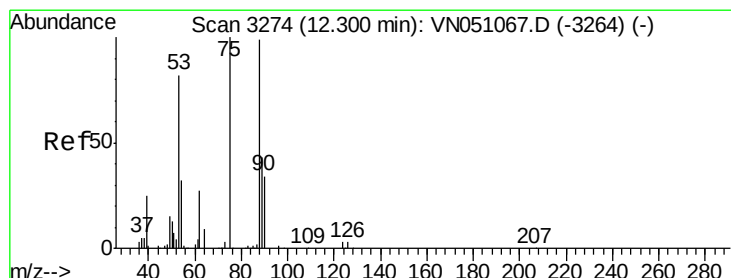
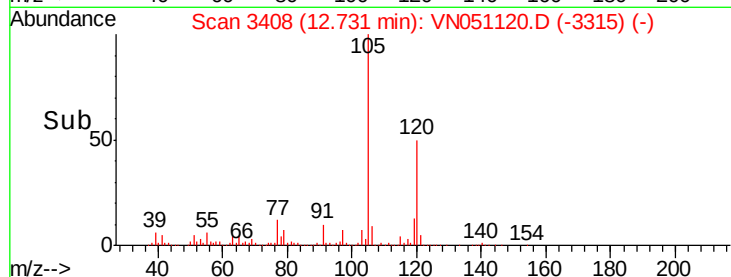
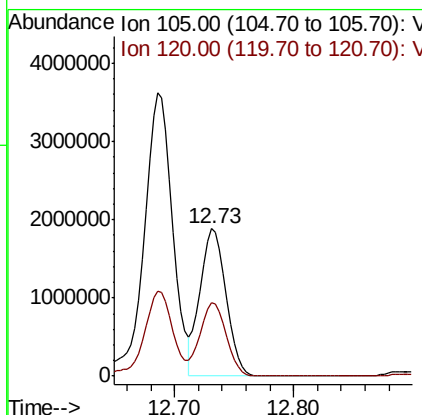
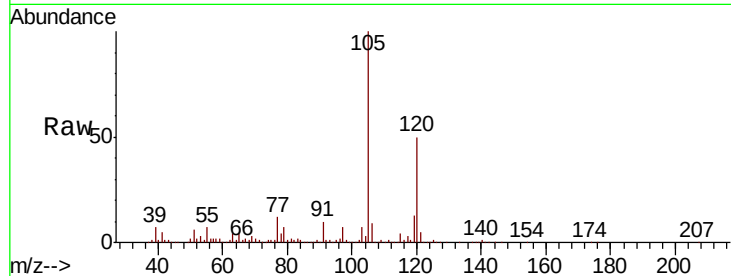




#80
 1,3,5-Trimethylbenzene
 Concen: 98.08 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

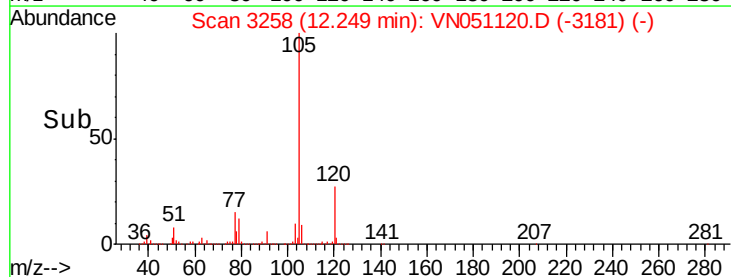
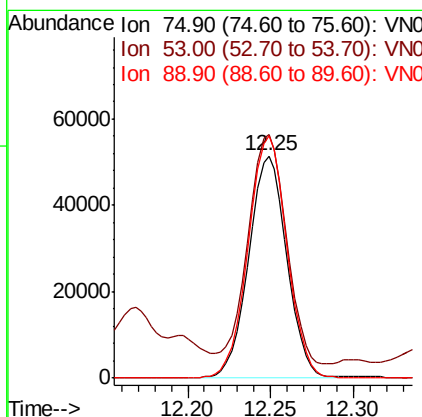
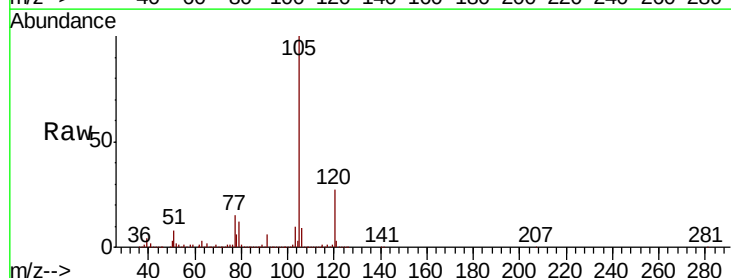
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-C

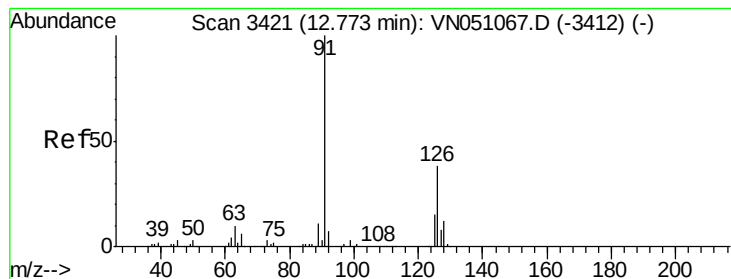
Tot Ion:105 Resp: 2852492
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 36.60 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.05 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Tgt Ion: 75 Resp: 82659
 Ion Ratio Lower Upper
 75 100
 53 102.5 67.8 101.8#
 89 110.7 36.0 54.0#





#82

4-Chlorotoluene

Concen: 11.27 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

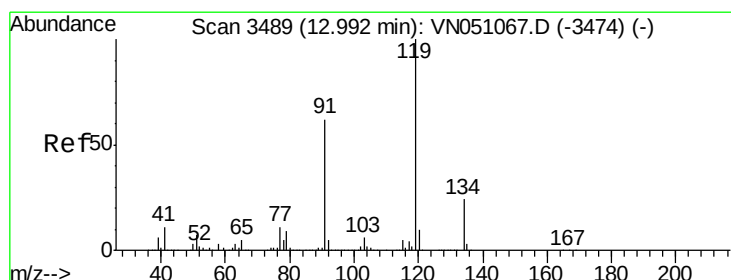
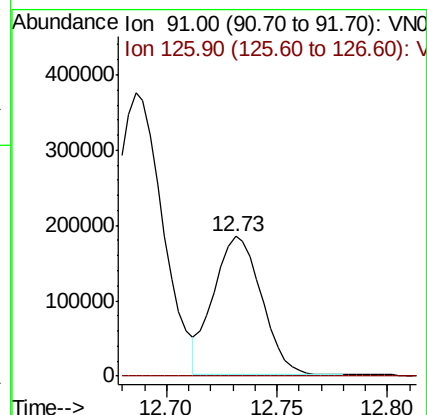
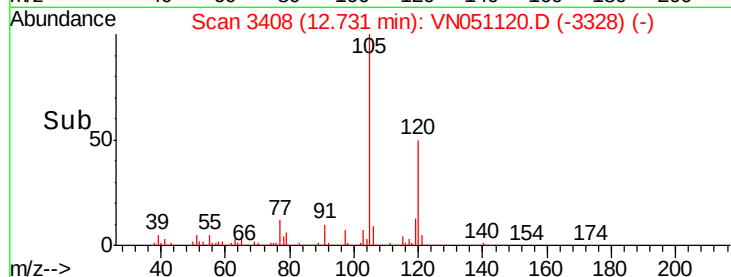
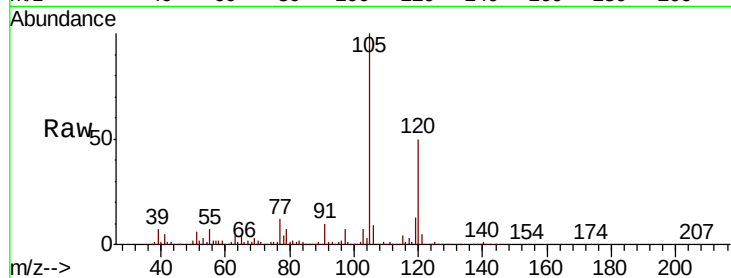
EP1-MW-C

Tot Ion: 91 Resp: 276568

Ion Ratio Lower Upper

91 100

126 1.2 17.6 52.8#



#83

tert-Butylbenzene

Concen: 23.82 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

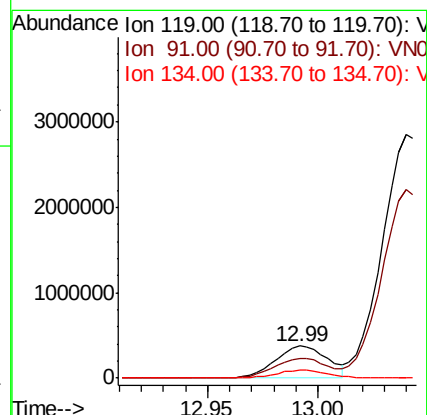
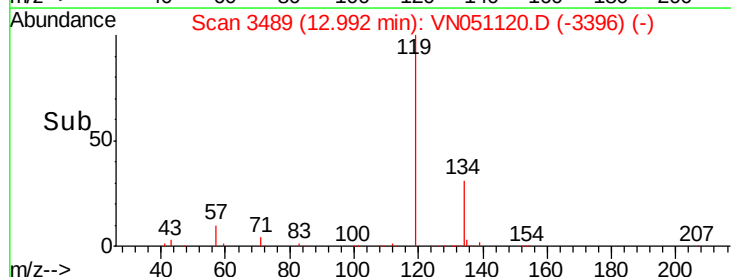
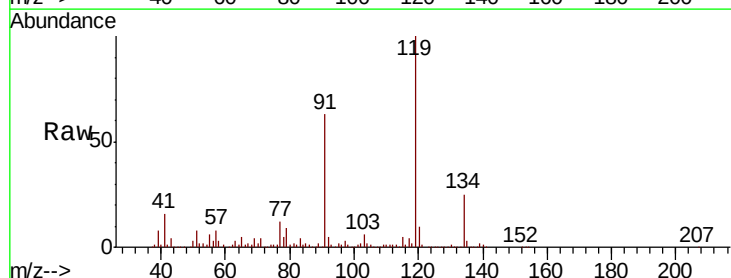
Tgt Ion: 119 Resp: 611552

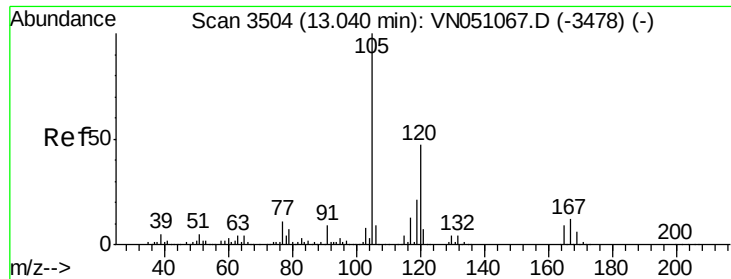
Ion Ratio Lower Upper

119 100

91 64.5 30.8 92.3

134 25.1 13.2 39.6

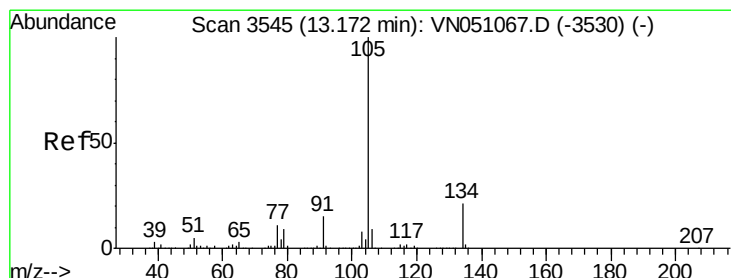
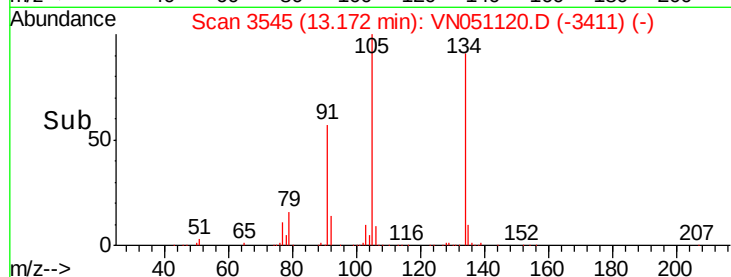
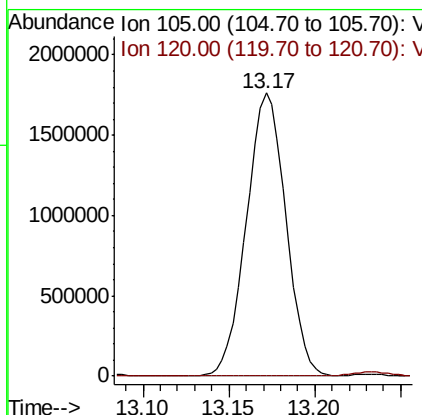
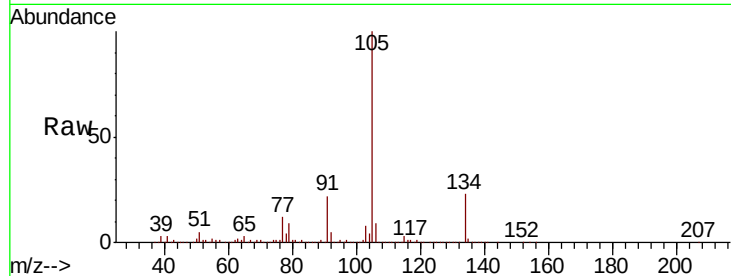




#84
 1,2,4-Trimethylbenzene
 Concen: 97.49 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.13 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

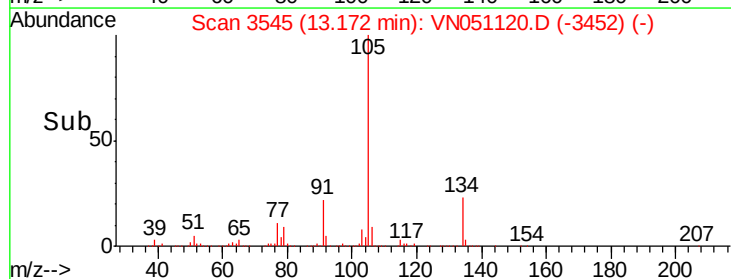
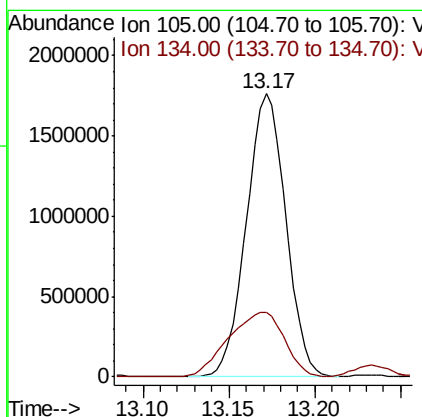
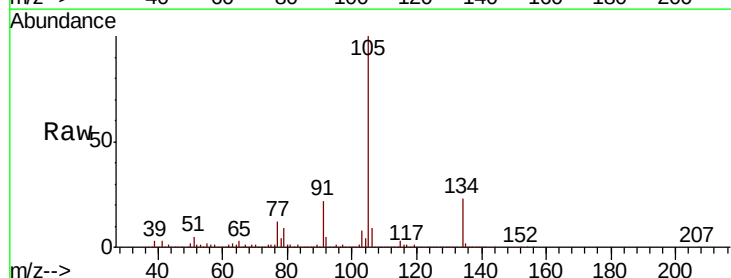
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C

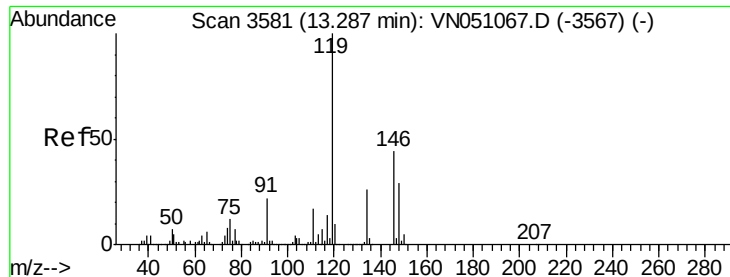
Tot Ion:105 Resp: 2788052
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.3 69.8#



#85
 sec-Butylbenzene
 Concen: 84.67 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Tgt Ion:105 Resp: 2788052
 Ion Ratio Lower Upper
 105 100
 134 32.7 10.4 31.4#

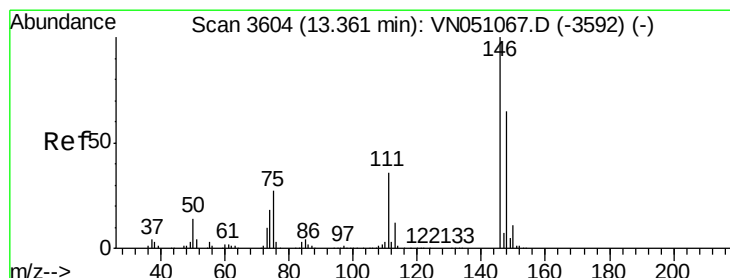
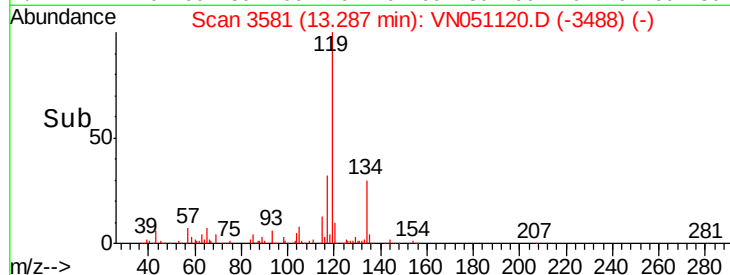
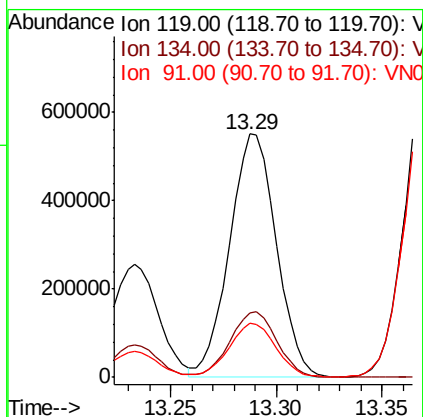
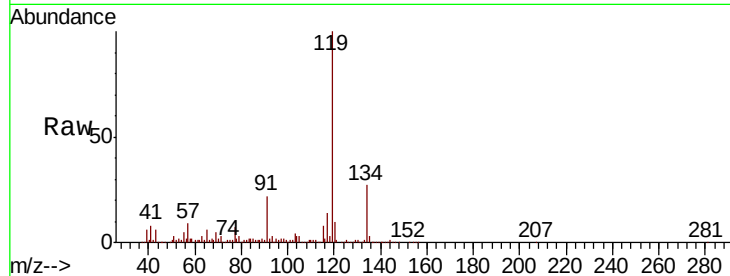




#86
 p-Isopropyltoluene
 Concen: 30.40 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

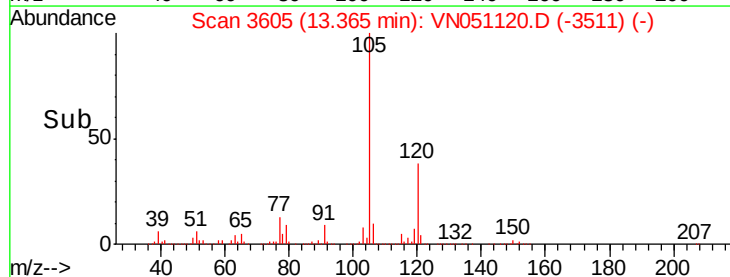
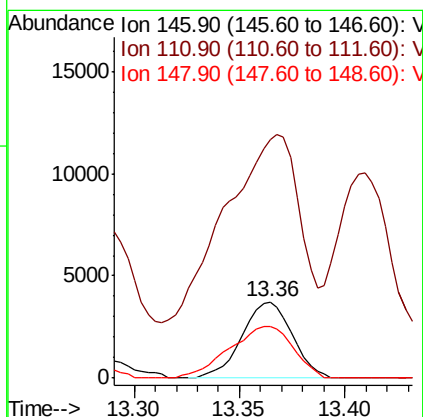
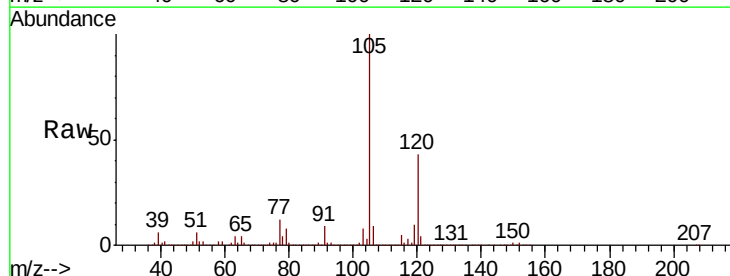
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-C

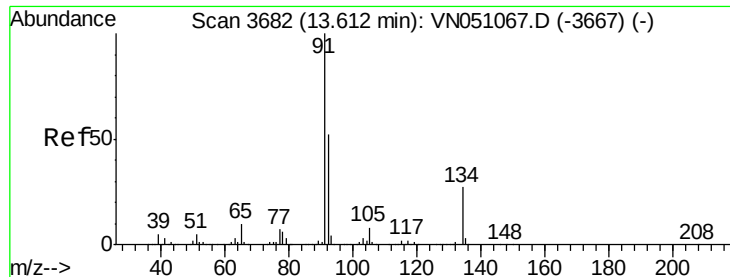
Tot Ion:119 Resp: 848786
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 21.5 10.9 32.9



#88
 1,4-Dichlorobenzene
 Concen: 0.42 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Tgt Ion:146 Resp: 6179
 Ion Ratio Lower Upper
 146 100
 111 356.8 18.4 55.0#
 148 86.7 32.2 96.6





#89

n-Butylbenzene

Concen: 66.39 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C

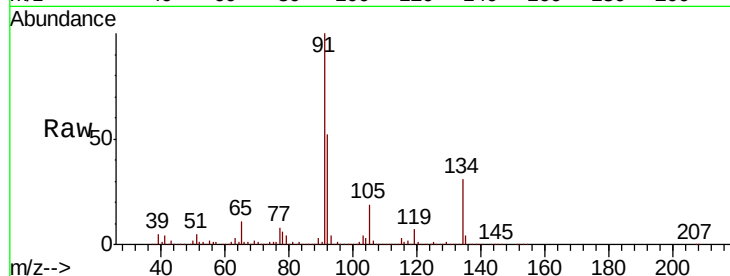
Tot Ion: 91 Resp: 1442611

Ion Ratio Lower Upper

91 100

92 43.7 26.2 78.6

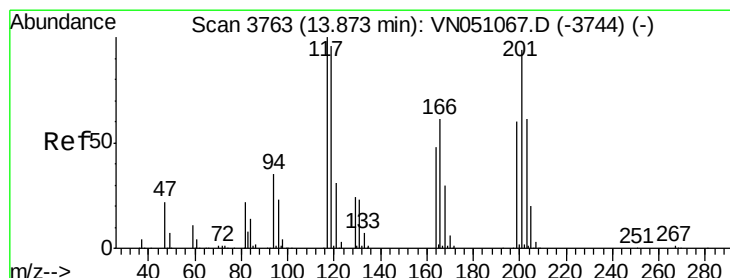
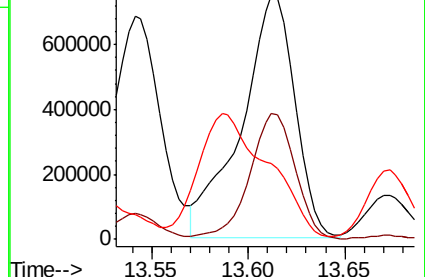
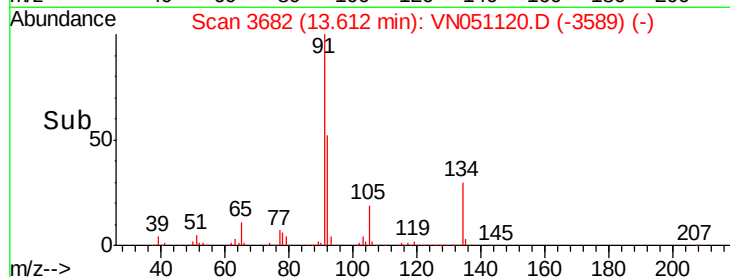
134 0.0 13.7 41.1#



Abundance Ion 91.00 (90.70 to 91.70): VN051120.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN051120.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN051120.D (-3589) (-)



#90

Hexachloroethane

Concen: 88.09 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051120.D

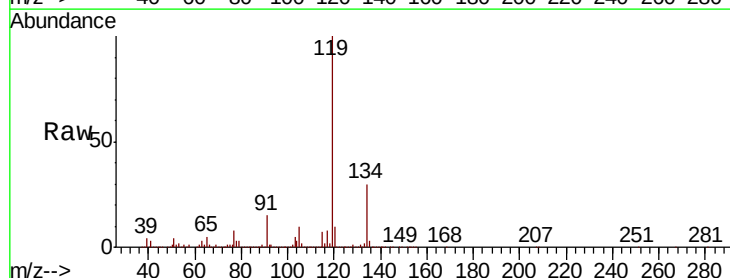
Acq: 11 Sep 2018 12:19

Tgt Ion: 117 Resp: 445383

Ion Ratio Lower Upper

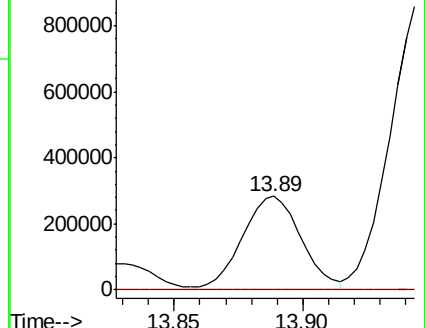
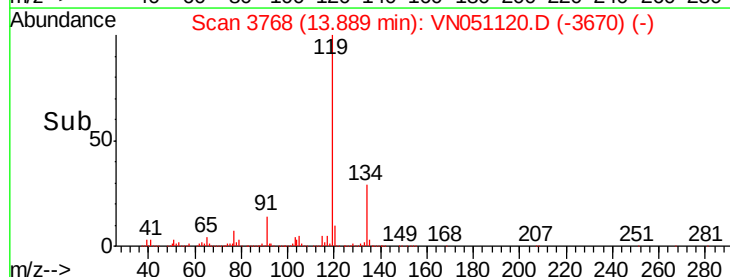
117 100

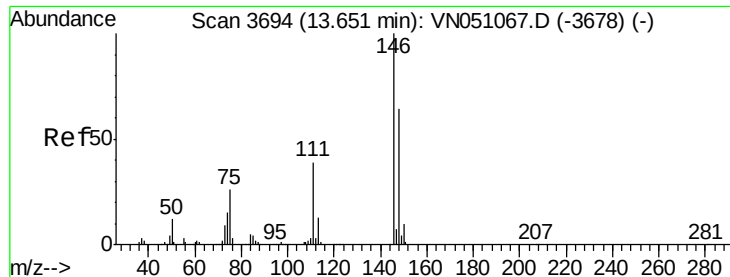
201 0.0 47.3 142.0#



Abundance Ion 116.80 (116.50 to 117.50): VN051120.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN051120.D (-3670) (-)





#91

1,2-Dichlorobenzene

Concen: 0.36 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-C

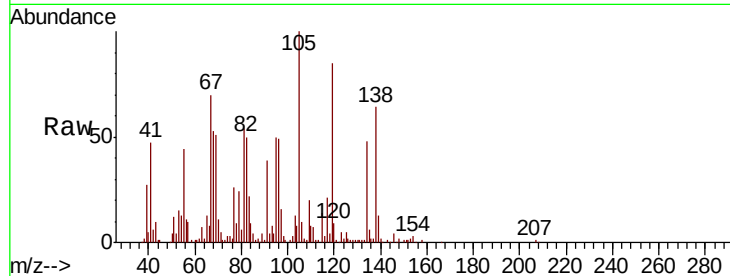
Tot Ion:146 Resp: 5748

Ion Ratio Lower Upper

146 100

111 127.5 19.7 59.0#

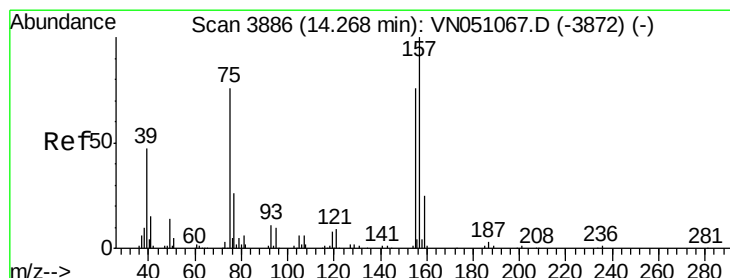
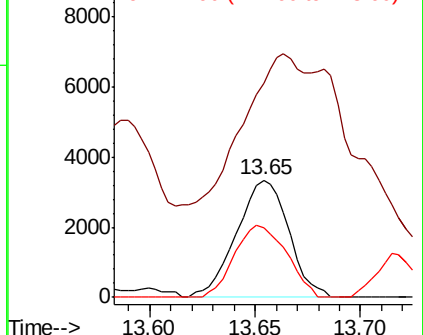
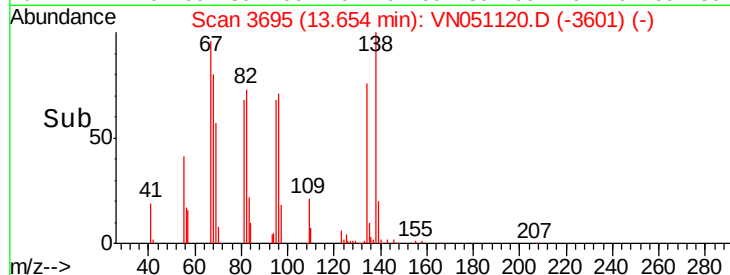
148 61.3 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.62 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN051120.D

Acq: 11 Sep 2018 12:19

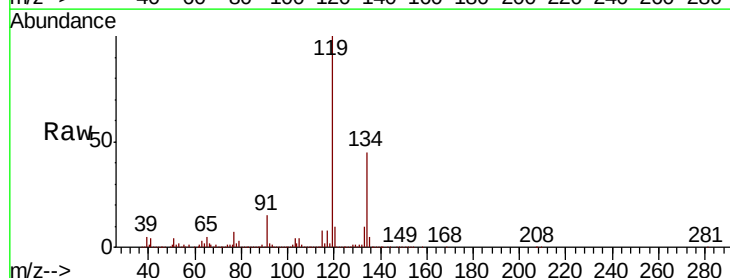
Tgt Ion: 75 Resp: 7419

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

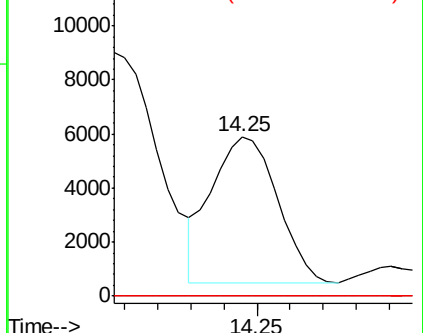
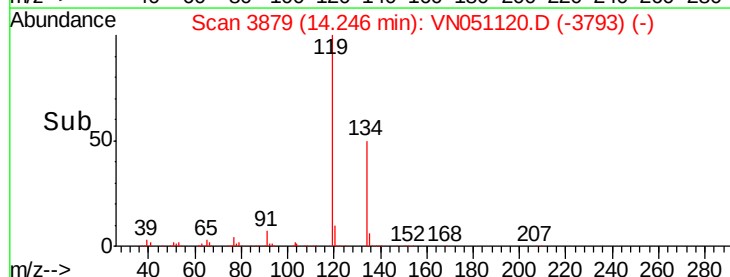
157 0.0 63.6 190.9#

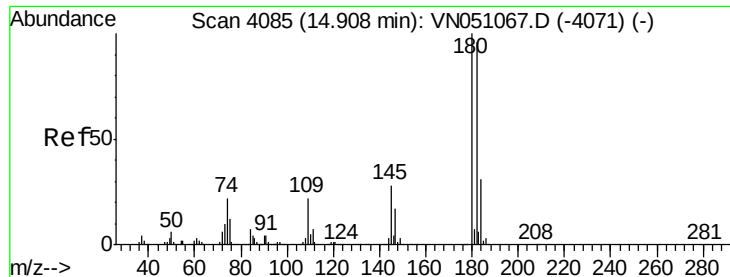


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

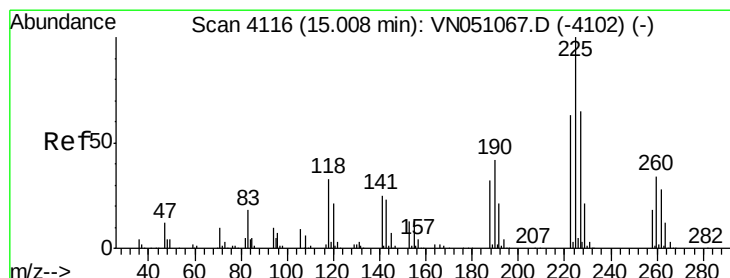
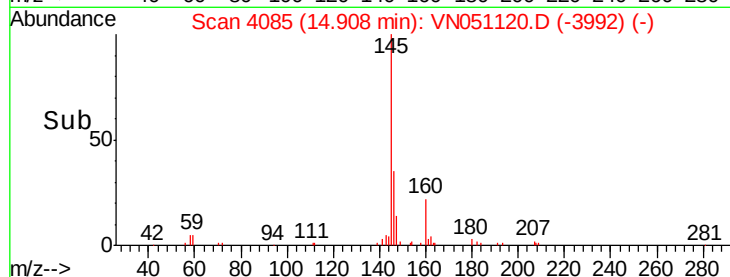
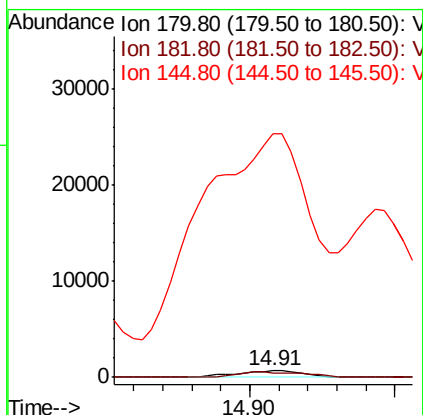
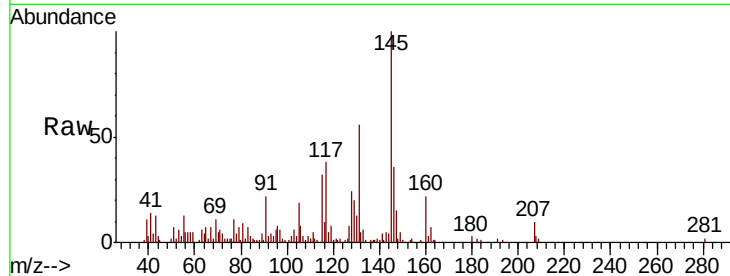




#93
 1,2,4-Trichlorobenzene
 Concen: 4.10 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

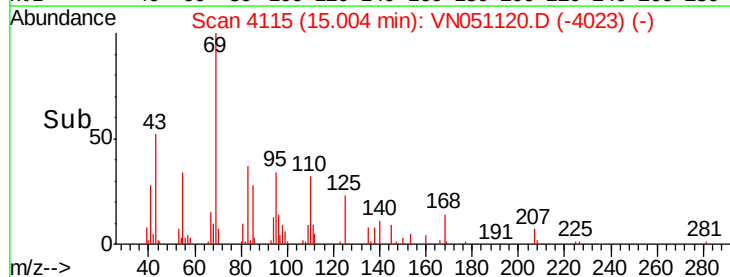
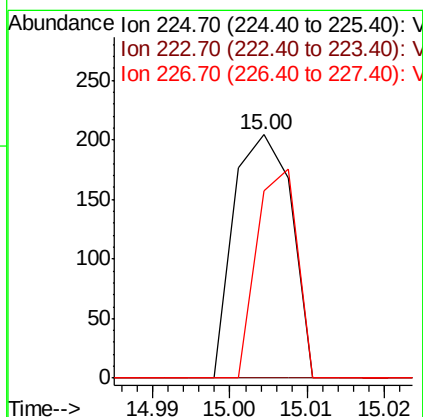
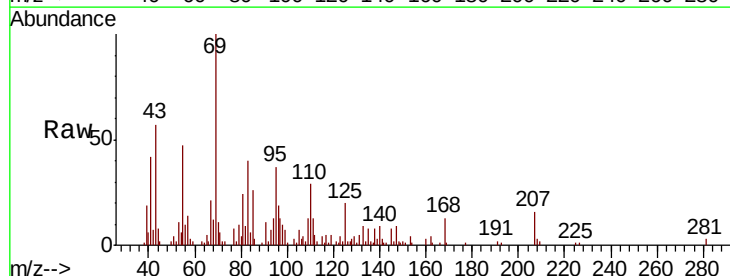
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C

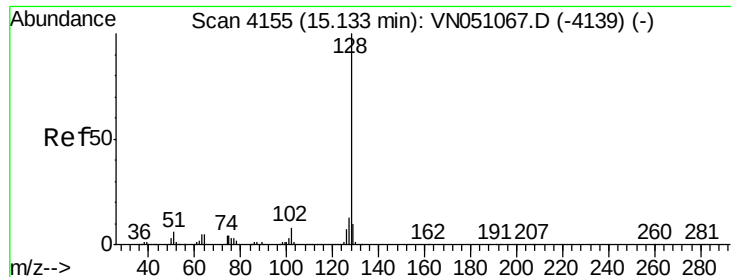
Tot Ion:180 Resp: 1022
 Ion Ratio Lower Upper
 180 100
 182 85.9 47.3 141.8
 145 6410.0 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN051120.D
 Acq: 11 Sep 2018 12:19

Tgt Ion:225 Resp: 106
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.4 94.0#
 227 60.4 32.1 96.3

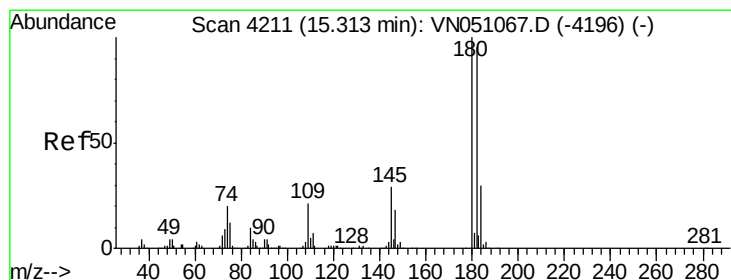
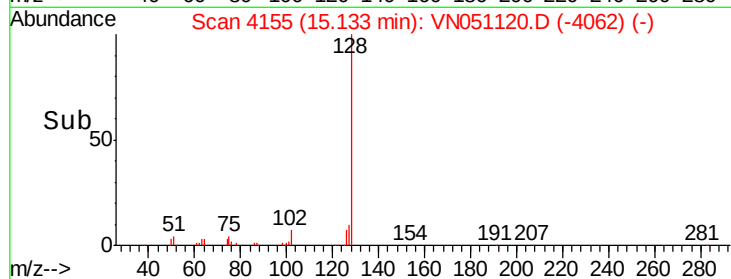
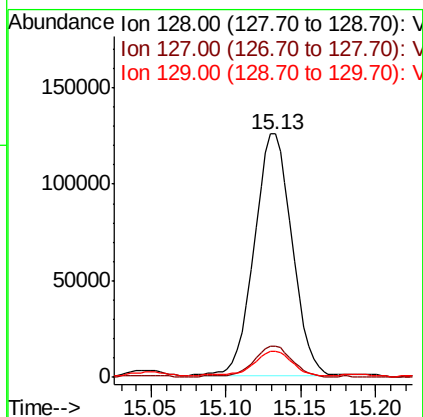
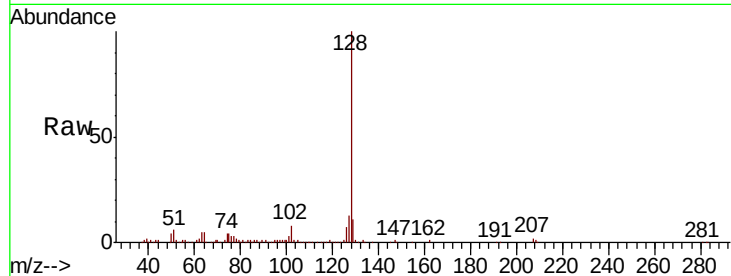




#95
Naphthalene
Concen: 17.45 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C

Tot Ion:128 Resp: 218685
Ion Ratio Lower Upper
128 100
127 12.5 10.6 15.8
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.99 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.01 min
Lab File: VN051120.D
Acq: 11 Sep 2018 12:19

Tgt Ion:180 Resp: 333
Ion Ratio Lower Upper
180 100
182 190.1 47.8 143.3#
145 5898.2 14.6 43.8#

