

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051055.D
 Acq On : 7 Sep 2018 15:50
 Operator : MD\SY
 Sample : J4693-09 5X
 Misc : 5.82g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)

Quant Time: Sep 07 23:13:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	655936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	985215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	940925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	521070	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	380898	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
35) Dibromofluoromethane	7.59	113	361883	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
50) Toluene-d8	10.09	98	1557041	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.40	95	1065984	109.47	ug/l	0.00
Spiked Amount			Recovery	=	218.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	2476	0.23	ug/l	91
5) Bromomethane	2.54	94	3330	Below Cal	#	66
10) Methyl Iodide	3.95	142	323	6.38	ug/l	74
11) Tert butyl alcohol	4.74	59	198	0.39	ug/l	72
16) Acetone	3.83	43	1685	Below Cal	#	86
18) Methyl Acetate	4.34	43	3317	0.44	ug/l	75
20) Methylene Chloride	4.55	84	2359	0.27	ug/l	86
25) 2-Butanone	6.84	43	1572	0.49	ug/l	47
29) Tetrahydrofuran	7.23	42	725	0.40	ug/l	39
31) Cyclohexane	7.65	56	33907	2.98	ug/l	61
36) 1,1-Dichloropropene	7.67	75	42403	3.65	ug/l	50
37) Ethyl Acetate	6.84	43	1572	0.24	ug/l	77
38) Carbon Tetrachloride	7.67	117	56035	4.77	ug/l	17
39) Methylcyclohexane	9.08	83	350661	27.88	ug/l	99
45) 1,2-Dichloropropane	9.08	63	3685	0.40	ug/l	1
47) Bromodichloromethane	9.36	83	3230	0.28	ug/l	72
48) Methyl methacrylate	9.14	41	11931	2.04	ug/l	30
51) 4-Methyl-2-Pentanone	10.02	43	3662	0.53	ug/l	92
55) 1,1,2-Trichloroethane	10.53	97	267770	34.74	ug/l	19
56) Ethyl methacrylate	10.43	69	128666	14.58	ug/l	1
58) 2-Chloroethyl Vinyl ether	9.84	63	316	12.29	ug/l	47
59) 2-Hexanone	10.72	43	722887	158.47	ug/l	27
60) Dibromochloromethane	11.12	129	3252	0.38	ug/l	78
65) Chlorobenzene	11.33	112	7258	0.30	ug/l	43
67) Ethyl Benzene	11.51	91	9414	0.24	ug/l	73
68) m/p-Xylenes	11.62	106	3604	0.24	ug/l	1
70) Styrene	12.12	104	2133	1.35	ug/l	1
73) Isopropylbenzene	12.25	105	3665002	84.94	ug/l	99
74) N-amyl acetate	12.05	43	3910540	360.71	ug/l	52
75) 1,1,2,2-Tetrachloroethane	12.47	83	458732	44.41	ug/l	26
76) 1,2,3-Trichloropropane	12.59	75	56884	6.23	ug/l	100
77) Bromobenzene	12.50	156	5976	0.51	ug/l	1
78) n-propylbenzene	12.59	91	10354652	214.83	ug/l	99
79) 2-Chlorotoluene	12.59	91	10354652	344.90	ug/l	39

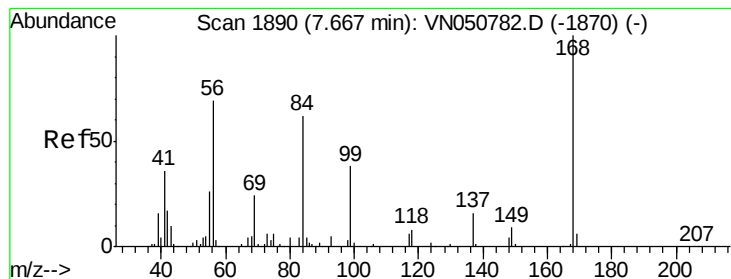
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.69	105	44885	1.29	ug/l #	28
81) trans-1,4-Dichloro-2-buten	12.25	75	37048	13.72	ug/l #	4
82) 4-Chlorotoluene	12.59	91	10381803	350.27	ug/l #	40
83) tert-Butylbenzene	12.99	119	619885	20.56	ug/l	89
84) 1,2,4-Trimethylbenzene	13.17	105	4498844	128.47	ug/l #	31
85) sec-Butylbenzene	13.17	105	4498844	113.87	ug/l #	64
86) p-Isopropyltoluene	13.44	119	1148840	34.13	ug/l	94
89) n-Butylbenzene	13.62	91	2958870	109.89	ug/l	90
90) Hexachloroethane	13.89	117	555087	86.38	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.29	75	5247	3.39	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1478	4.22	ug/l #	1
94) Hexachlorobutadiene	15.01	225	186	Below Cal	#	19
95) Naphthalene	15.09	128	4658	5.60	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.31	180	219	3.32	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: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

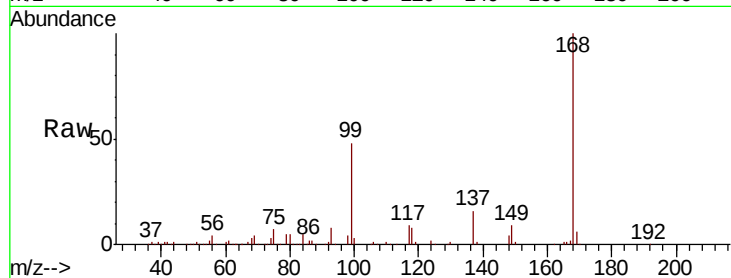
EP1-MW-C(10-15)

Tot Ion:168 Resp: 655936

Ion Ratio Lower Upper

168 100

99 48.3 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN051055.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051055.D (-1740) (-)

7.67

250000

200000

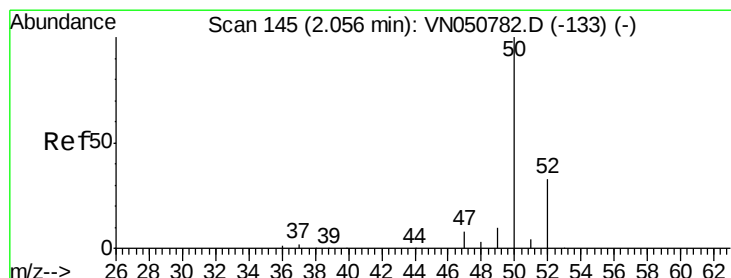
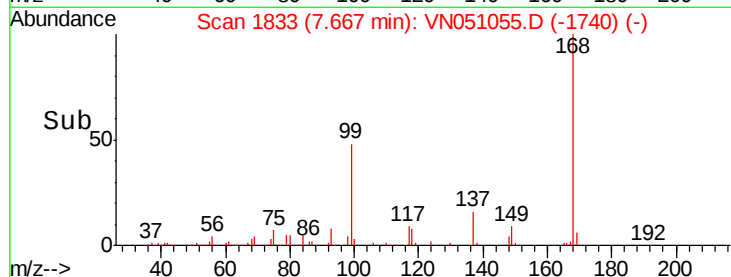
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN051055.D

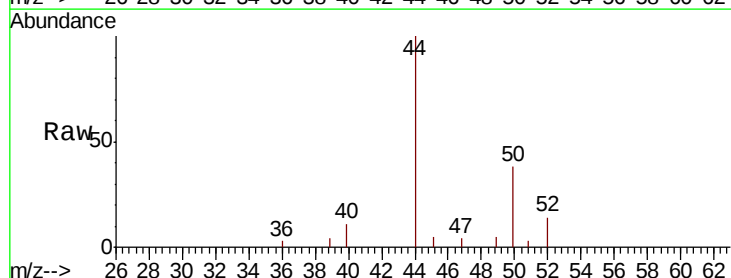
Acq: 7 Sep 2018 15:50

Tgt Ion: 50 Resp: 2476

Ion Ratio Lower Upper

50 100

52 38.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN051055.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN051055.D (-1) (-)

2.05

2000

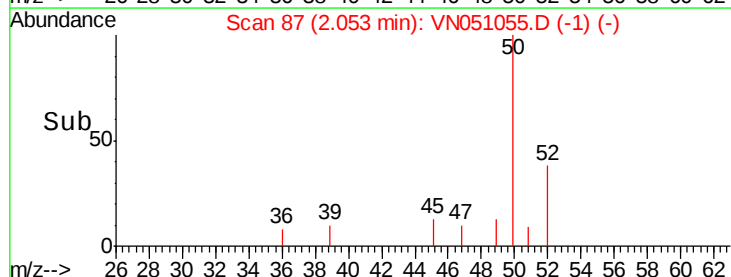
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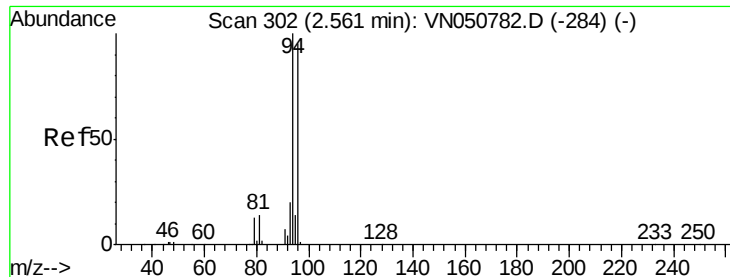
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 237

Delta R.T. -0.03 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

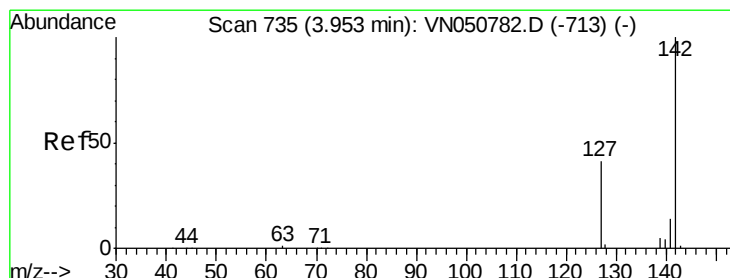
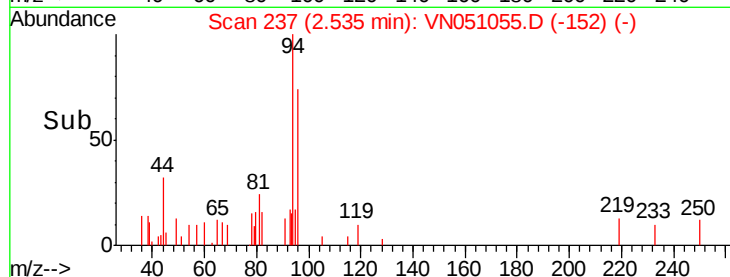
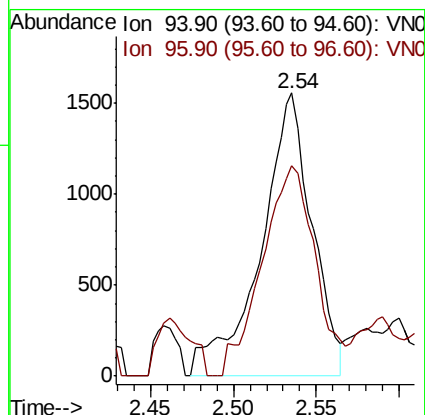
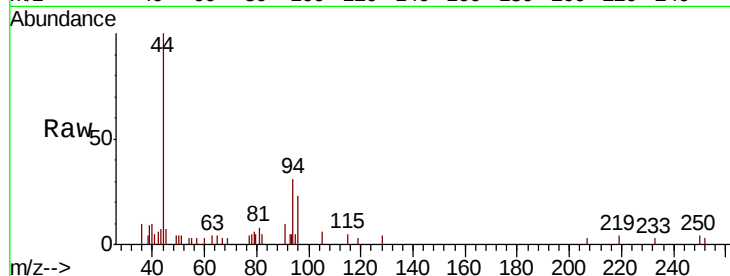
EP1-MW-C(10-15)

Tot Ion: 94 Resp: 3330

Ion Ratio Lower Upper

94 100

96 61.8 76.2 114.2#



#10

Methyl Iodide

Concen: 6.38 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.01 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

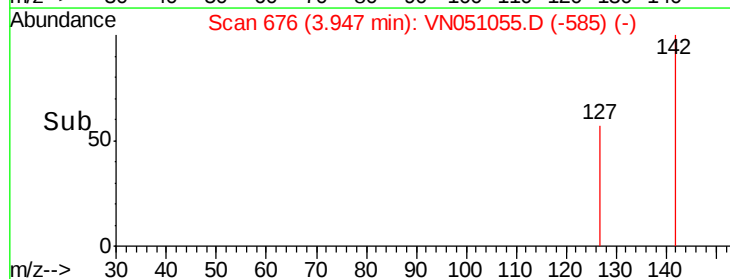
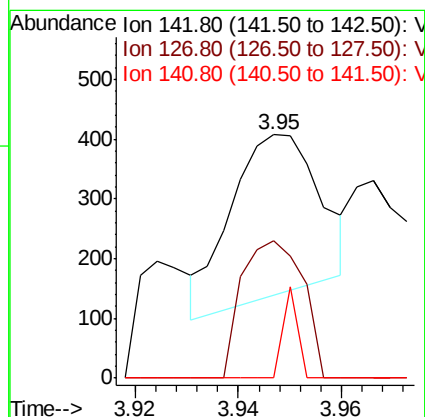
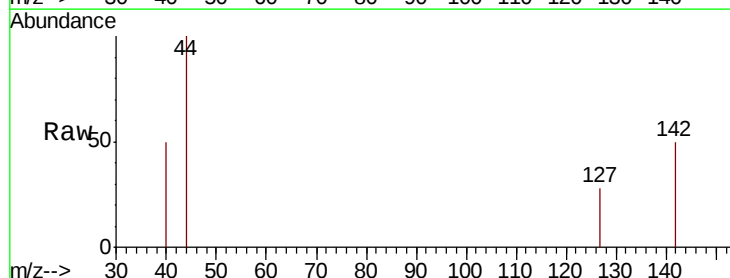
Tgt Ion: 142 Resp: 323

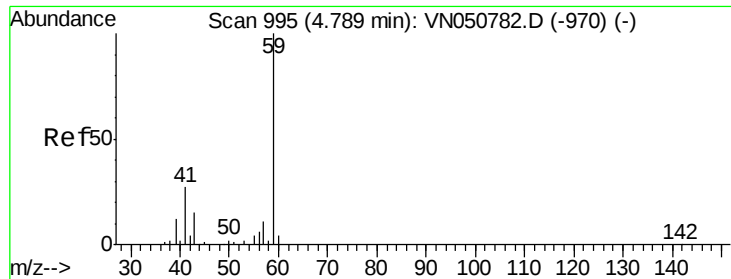
Ion Ratio Lower Upper

142 100

127 58.5 31.7 47.5#

141 9.3 11.4 17.0#

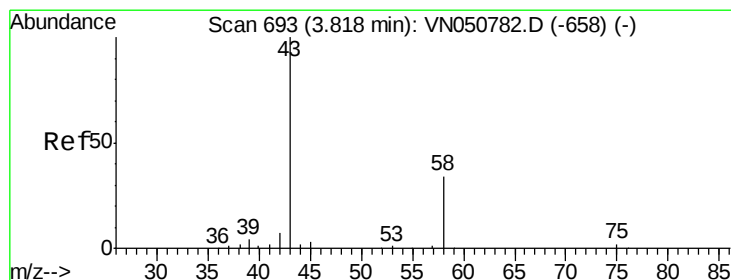
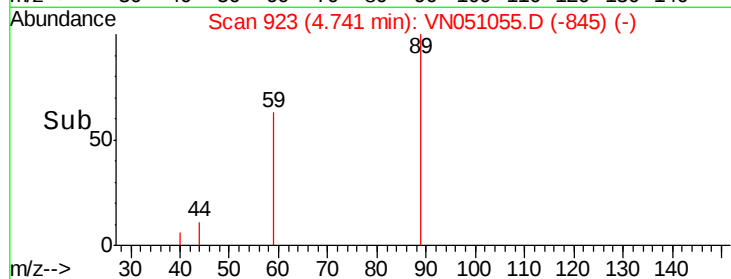
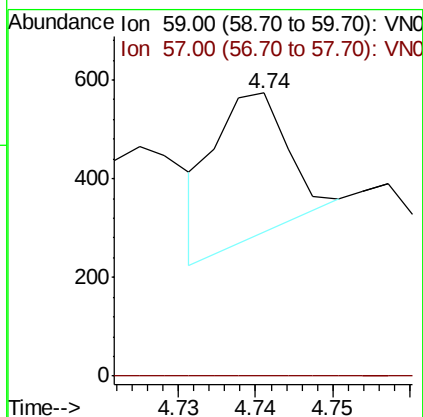
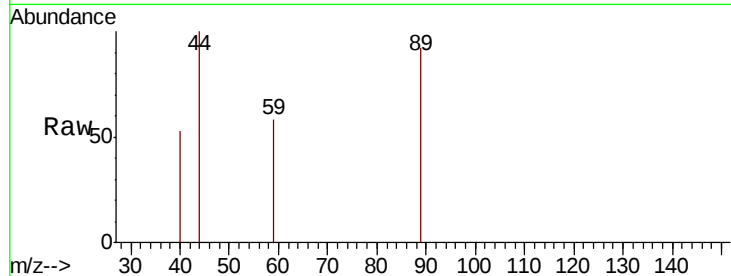




#11
Tert butyl alcohol
Concen: 0.39 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.05 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

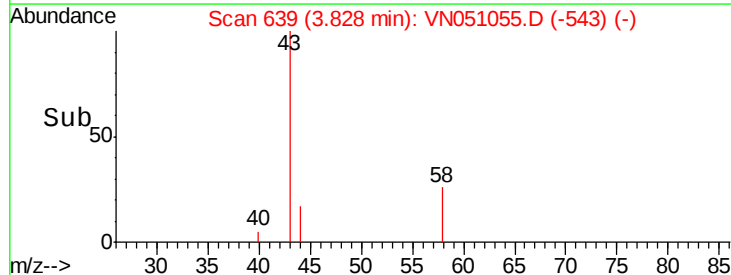
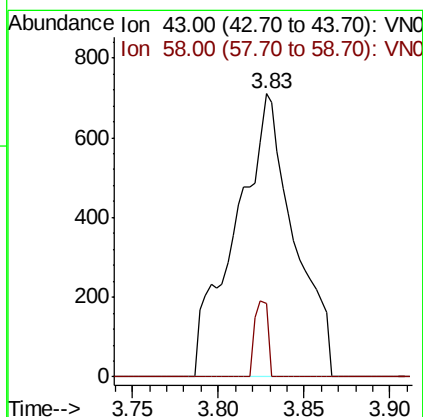
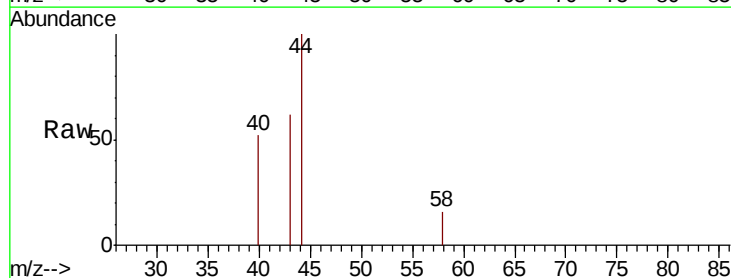
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)

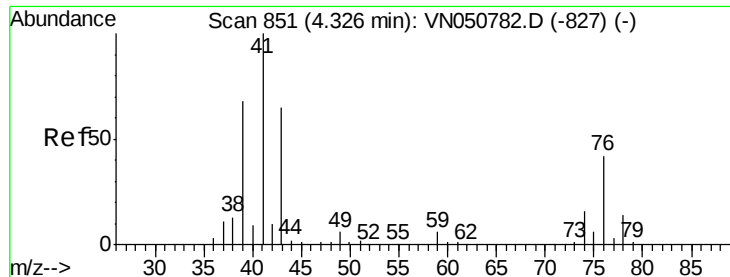
Tot Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

Tgt Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
58 26.2 27.2 40.8#

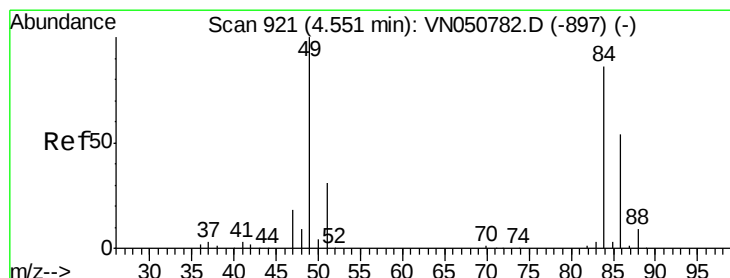
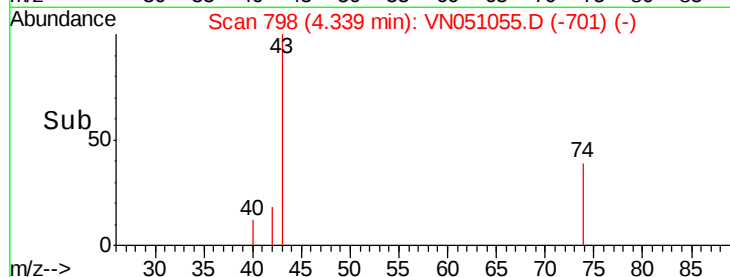
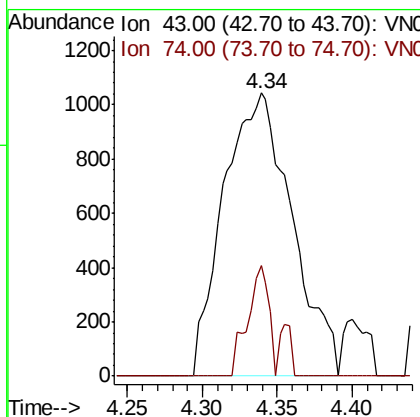
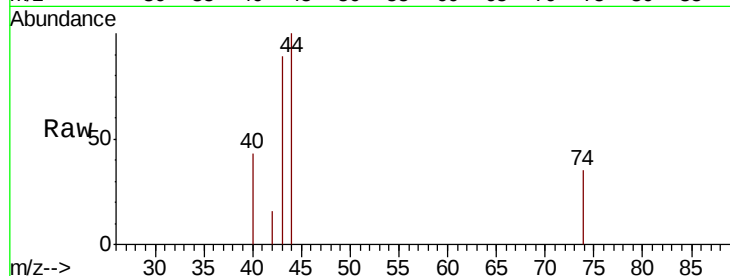




#18
Methvl Acetate
Concen: 0.44 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

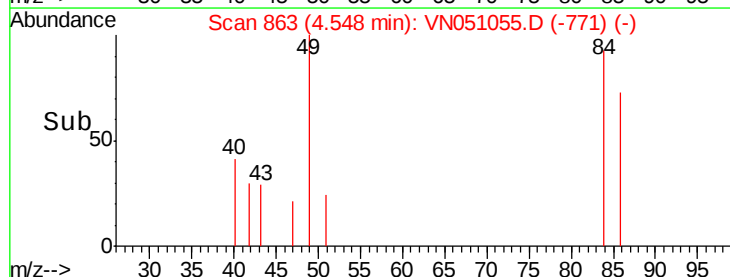
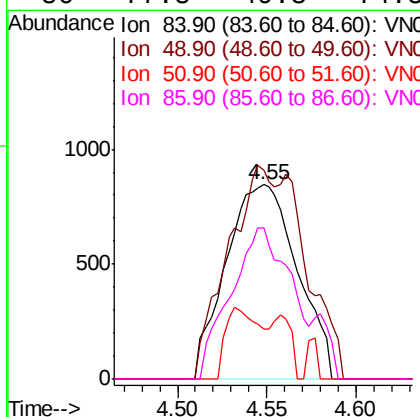
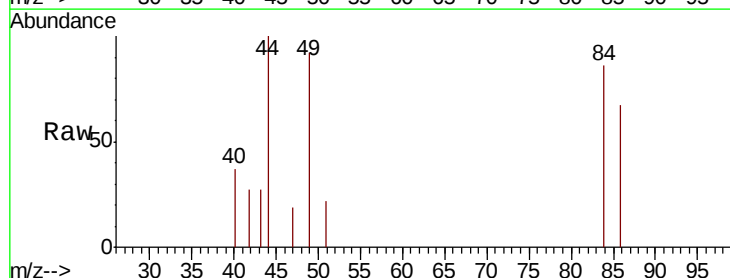
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)

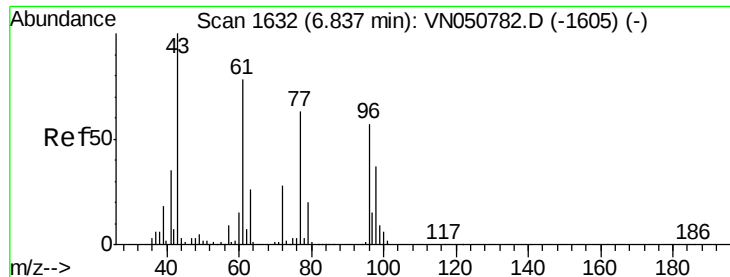
Tot Ion: 43 Resp: 3317
Ion Ratio Lower Upper
43 100
74 12.1 19.8 29.8#



#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

Tgt Ion: 84 Resp: 2359
Ion Ratio Lower Upper
84 100
49 107.0 93.2 139.8
51 25.9 29.0 43.6#
86 77.8 49.8 74.8#





#25

2-Butanone

Concen: 0.49 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

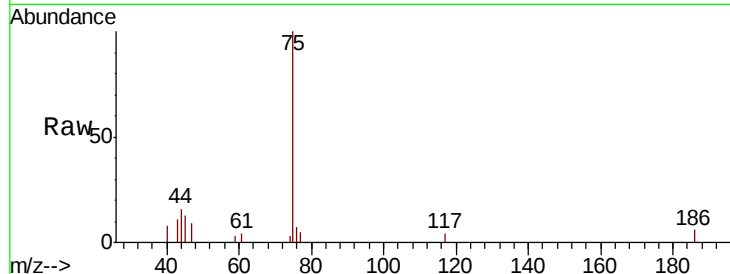
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)

Tot Ion: 43 Resp: 1572

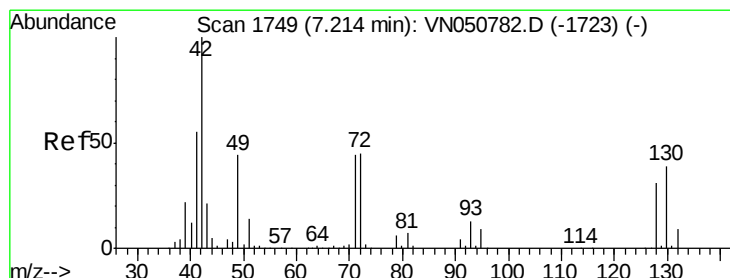
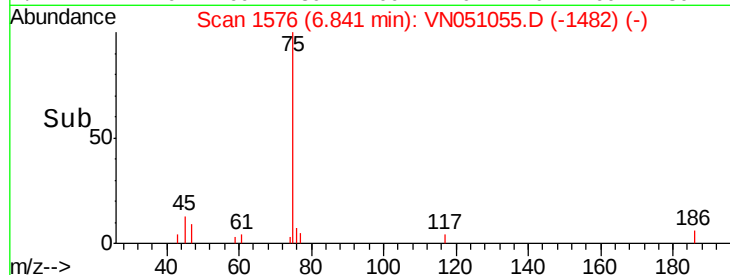
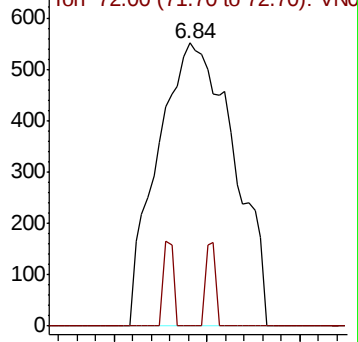
Ion Ratio Lower Upper

43 100

72 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0



#29

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

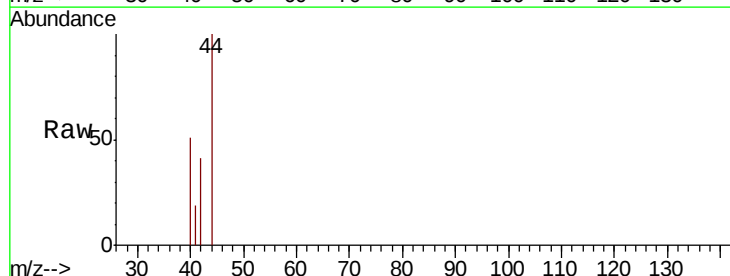
Tgt Ion: 42 Resp: 725

Ion Ratio Lower Upper

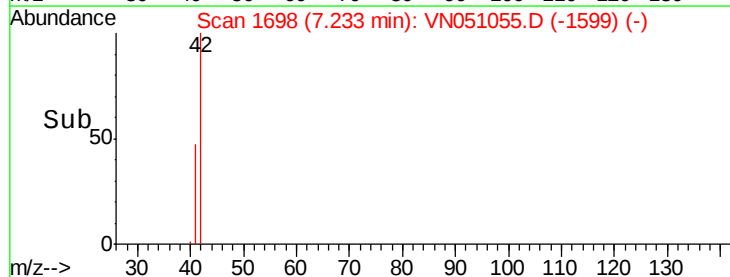
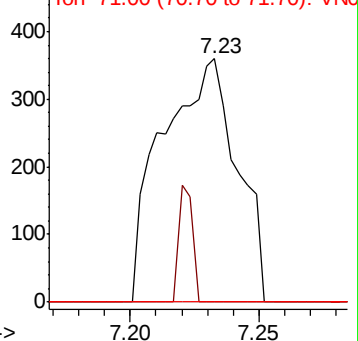
42 100

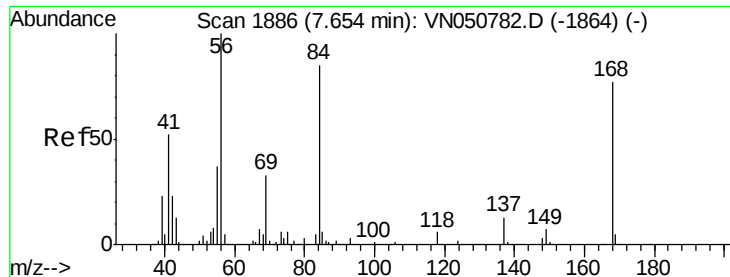
72 8.7 35.5 53.3#

71 0.0 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

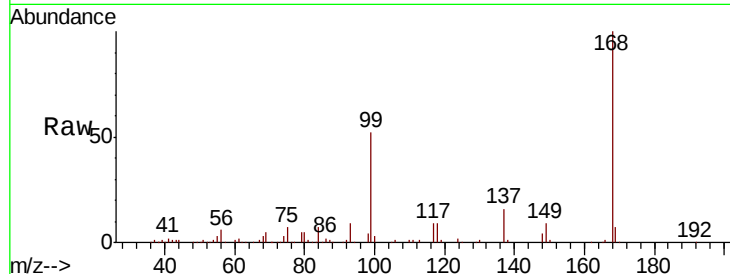




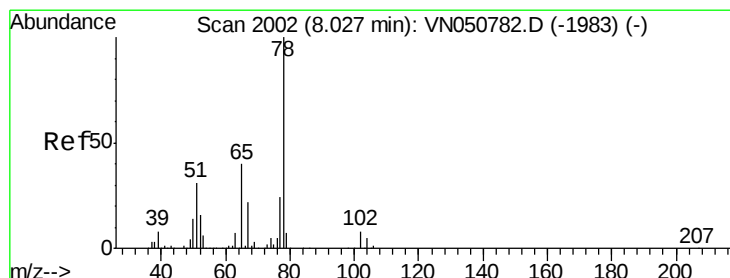
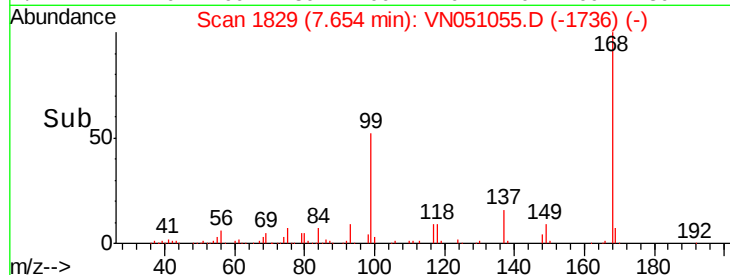
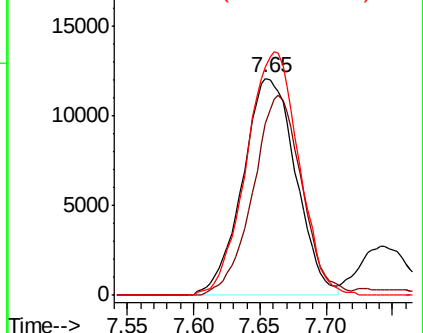
#31
Cyclohexane
Concen: 2.98 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-C(10-15)

Tot Ion: 56 Resp: 33907
Ion Ratio Lower Upper
56 100
69 79.4 26.2 39.4#
84 105.3 68.3 102.5#

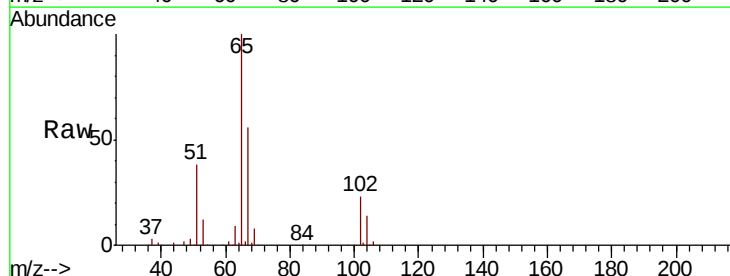


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

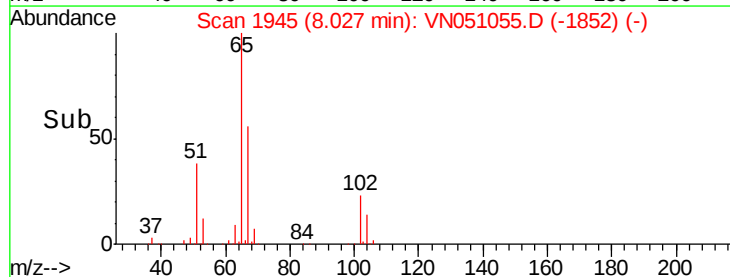
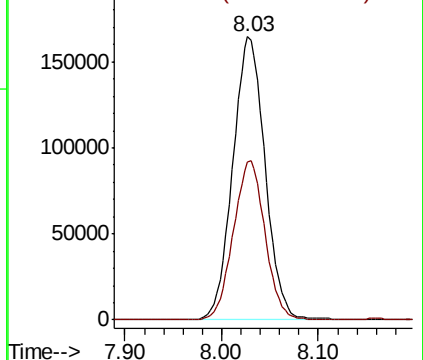


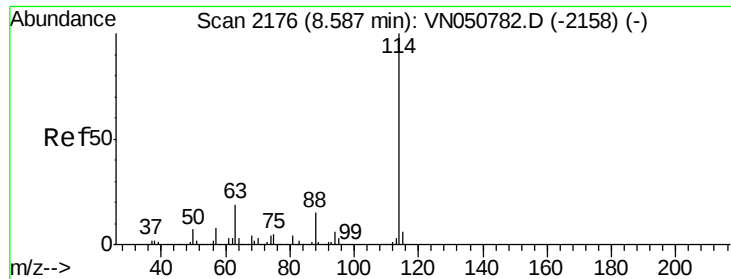
#33
1,2-Dichloroethane-d4
Concen: 48.24 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

Tgt Ion: 65 Resp: 380898
Ion Ratio Lower Upper
65 100
67 55.2 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)

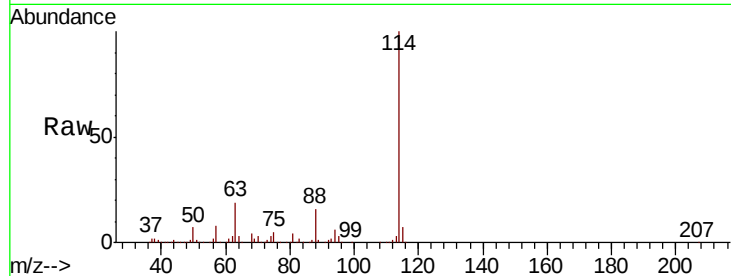
Tot Ion:114 Resp: 985215

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

88 15.6 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

600000

500000

400000

300000

200000

100000

0

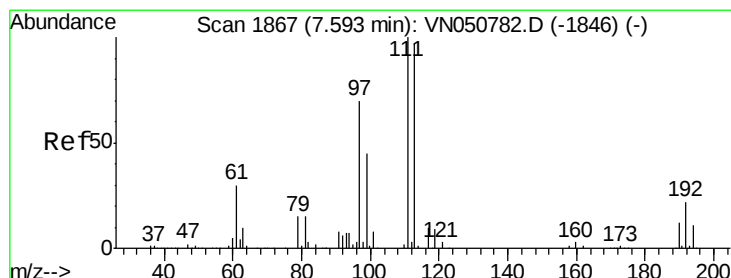
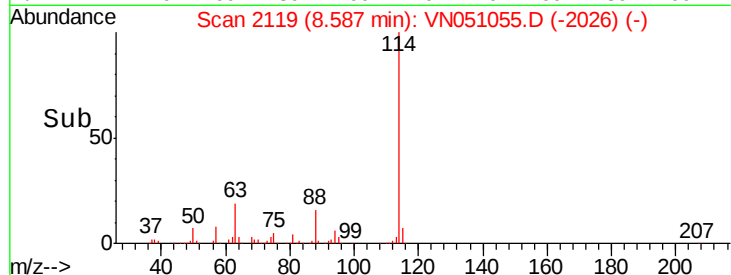
8.59

8.50

8.60

8.70

Time-->



#35

Dibromofluoromethane

Concen: 46.17 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

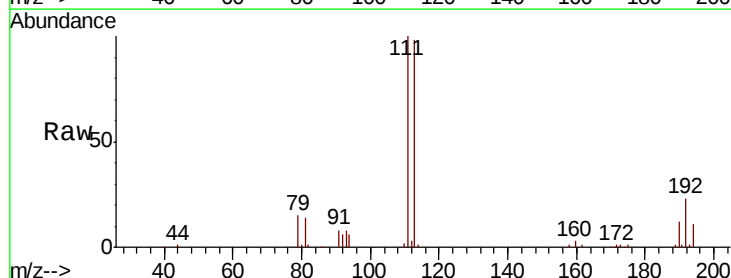
Tgt Ion:113 Resp: 361883

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 23.4 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

200000

150000

100000

50000

0

7.59

7.50

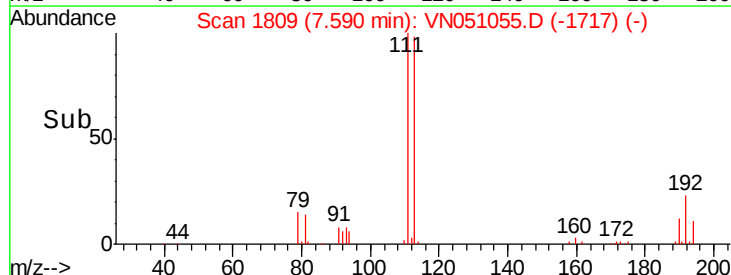
7.55

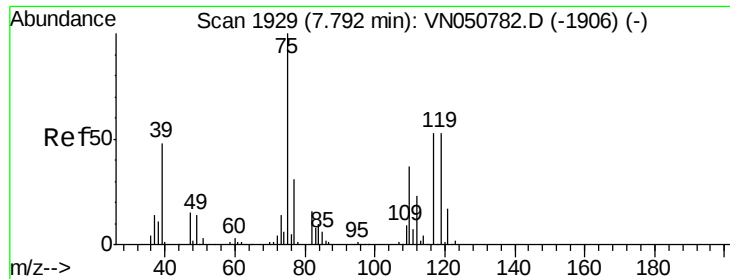
7.60

7.65

7.70

Time-->

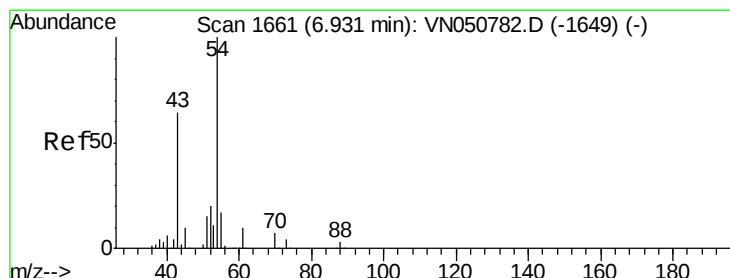
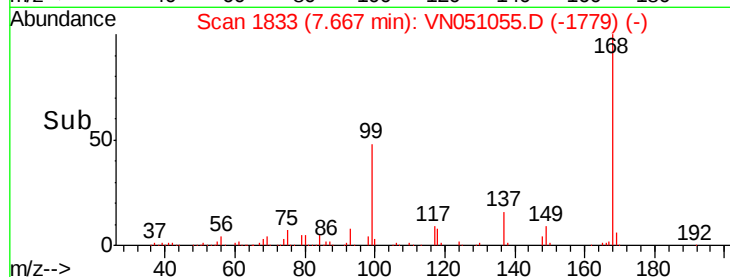
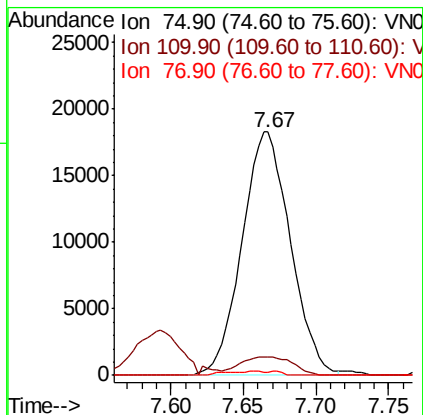
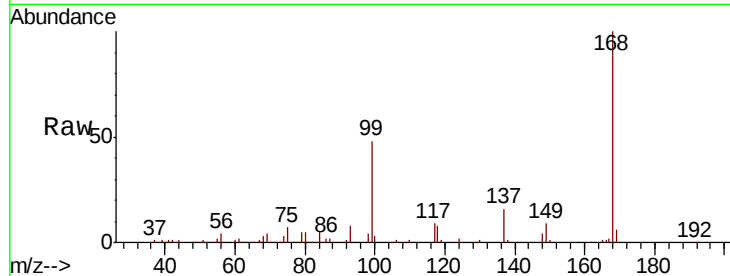




#36
 1,1-Dichloropropene
 Concen: 3.65 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051055.D
 Acq: 7 Sep 2018 15:50

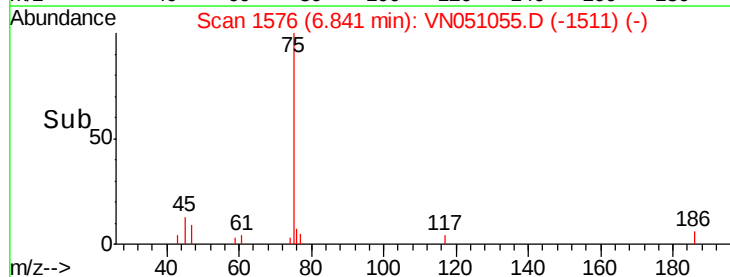
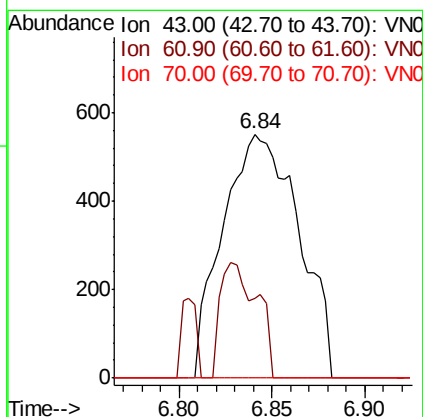
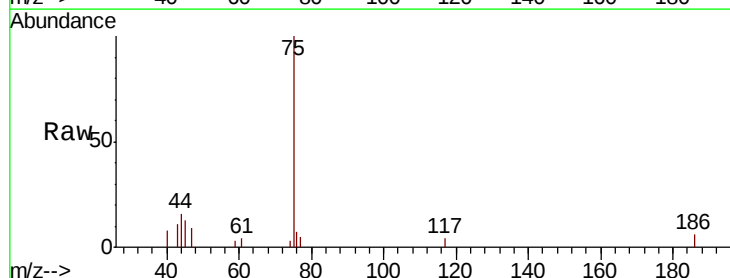
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)

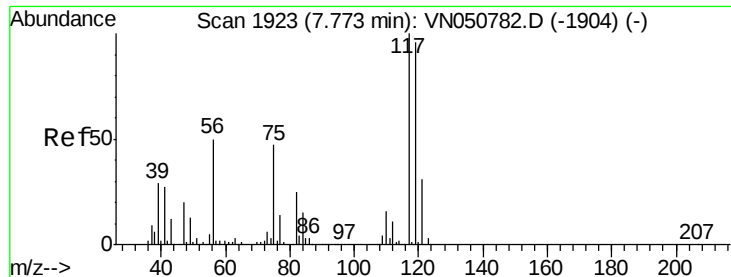
Tot Ion: 75 Resp: 42403
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.4#
 77 1.6 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 0.24 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.09 min
 Lab File: VN051055.D
 Acq: 7 Sep 2018 15:50

Tgt Ion: 43 Resp: 1572
 Ion Ratio Lower Upper
 43 100
 61 22.8 12.0 18.0#
 70 0.0 8.6 13.0#





#38

Carbon Tetrachloride

Concen: 4.77 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)

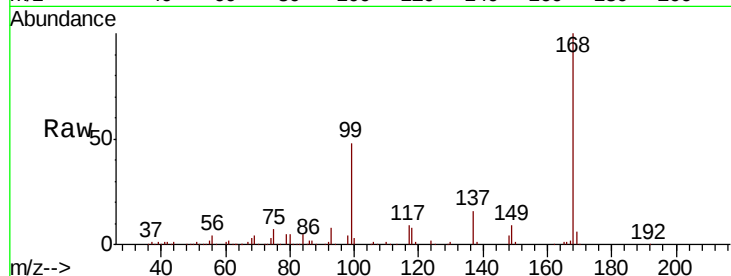
Tot Ion:117 Resp: 56035

Ion Ratio Lower Upper

117 100

119 5.9 76.3 114.5#

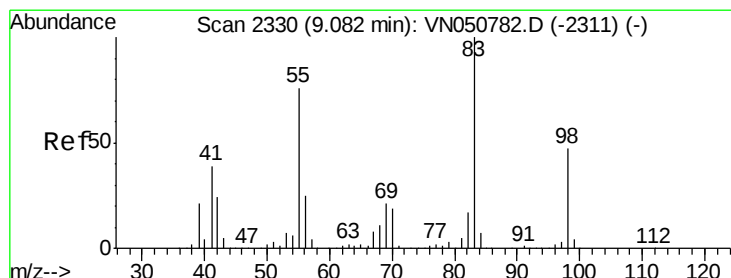
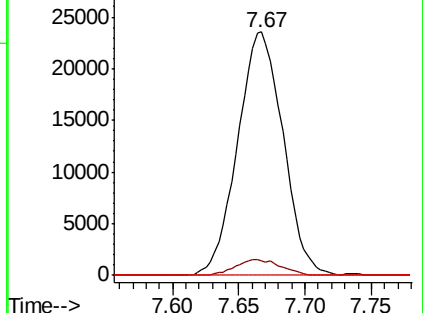
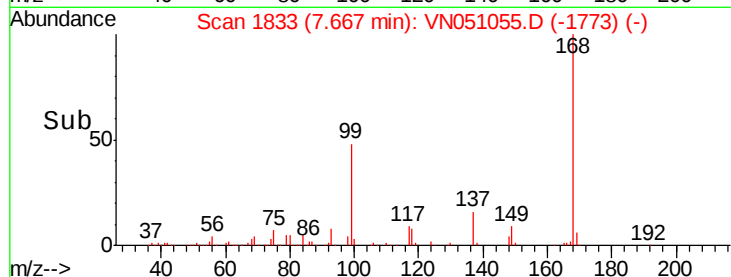
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 27.88 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

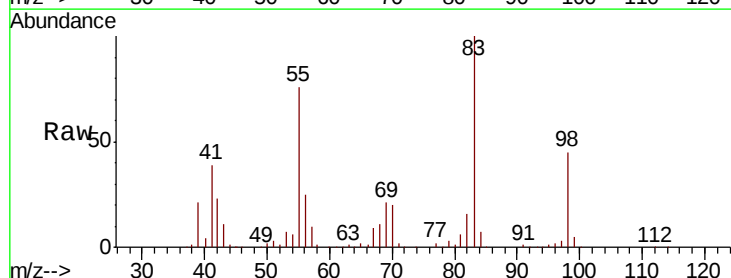
Tgt Ion: 83 Resp: 350661

Ion Ratio Lower Upper

83 100

55 76.5 61.0 91.4

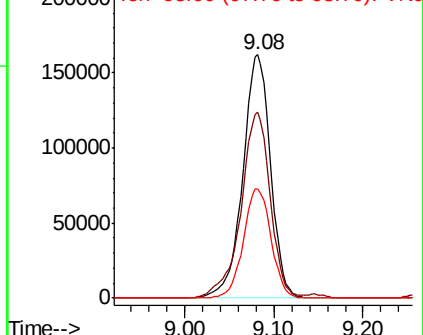
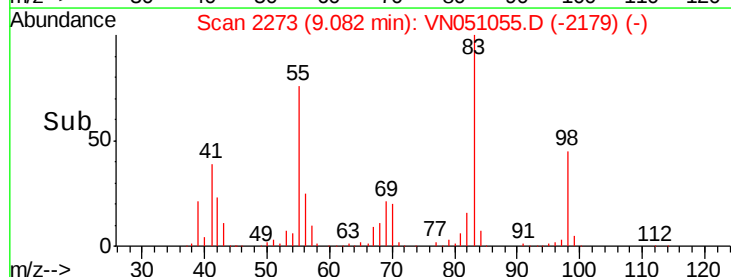
98 44.9 37.5 56.3

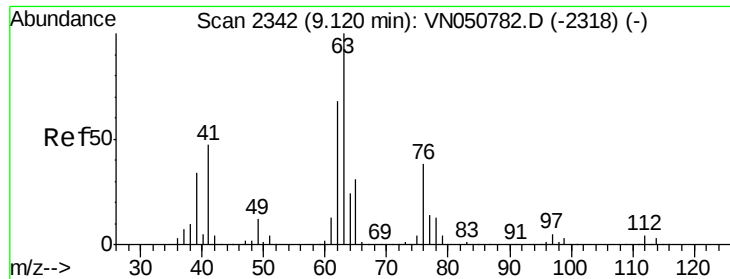


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#45

1,2-Dichloropropane

Concen: 0.40 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.04 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

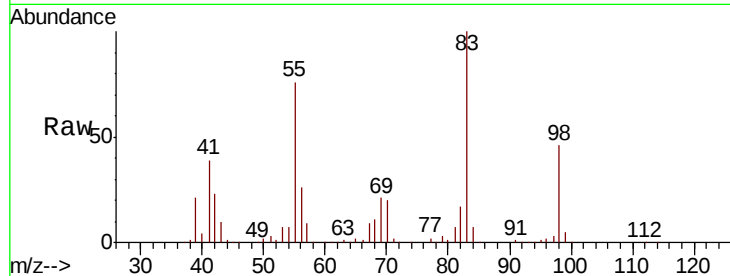
EP1-MW-C(10-15)

Tot Ion: 63 Resp: 3685

Ion Ratio Lower Upper

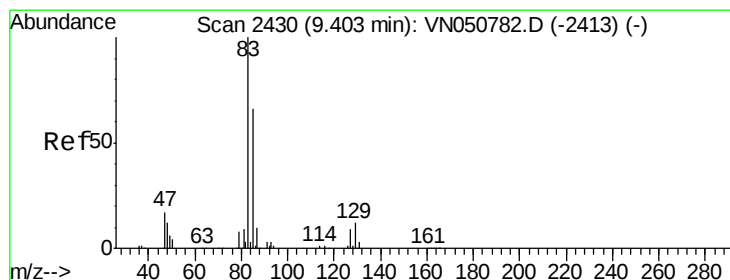
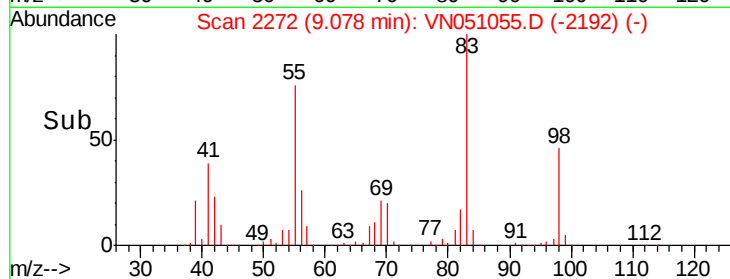
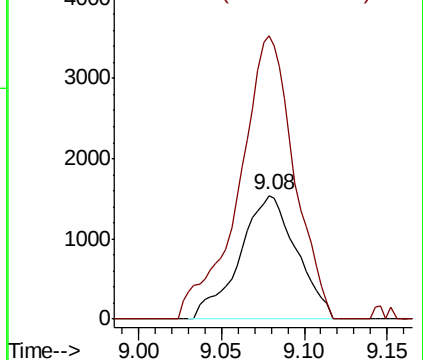
63 100

65 229.1 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#47

Bromodichloromethane

Concen: 0.28 ug/l

RT: 9.36 min Scan# 2360

Delta R.T. -0.04 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

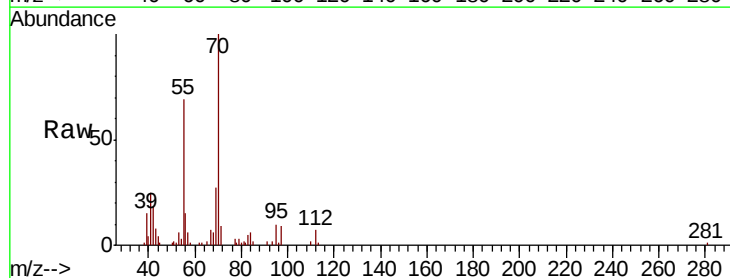
Tgt Ion: 83 Resp: 3230

Ion Ratio Lower Upper

83 100

85 42.8 52.6 78.8#

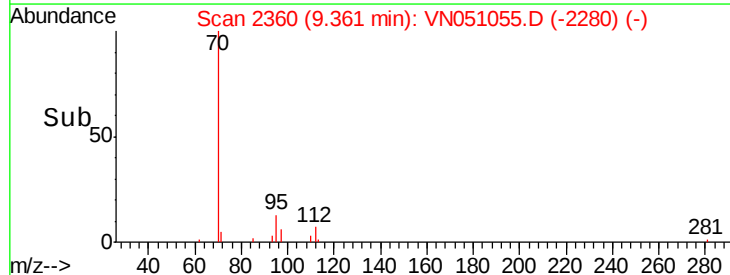
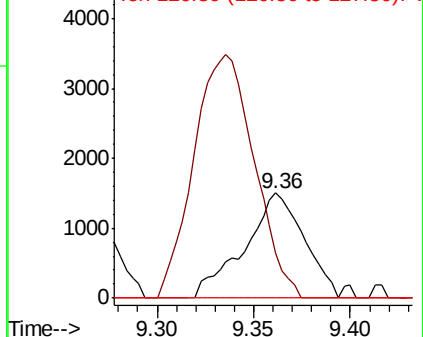
127 0.0 7.2 10.8#

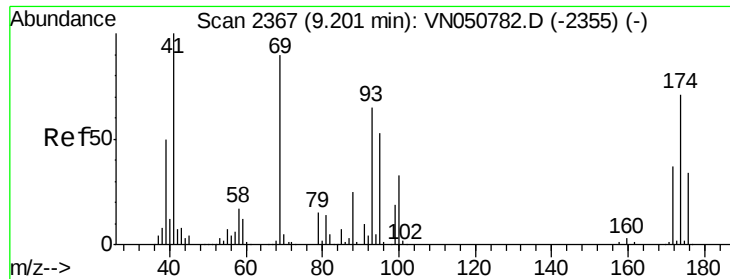


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

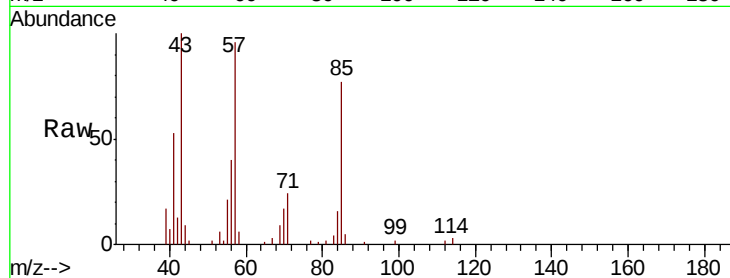




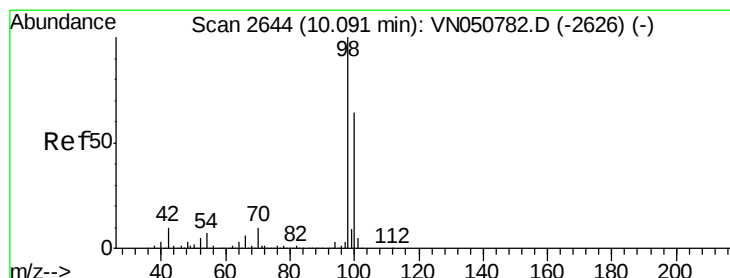
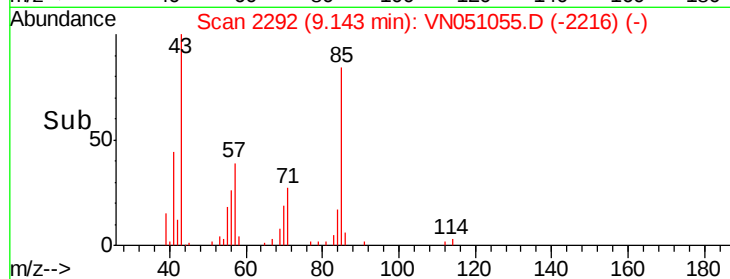
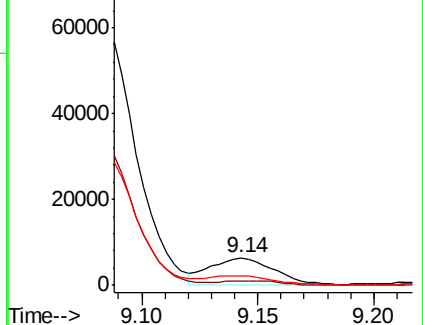
#48
Methvl methacrylate
Concen: 2.04 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.06 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

Instrument :
MSVOA_N
ClientSampled :
EP1-MW-C(10-15)

Tot Ion: 41 Resp: 11931
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 36.8 42.2 63.2#

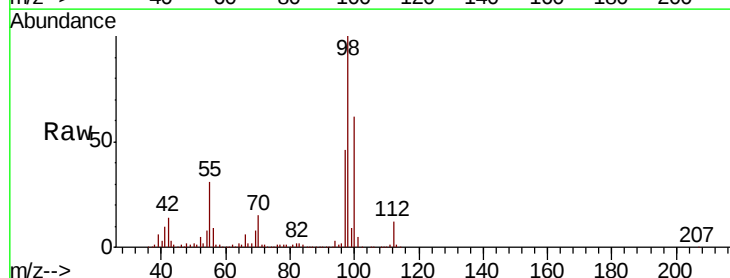


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

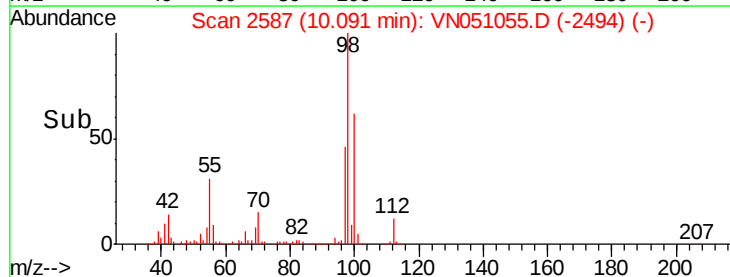
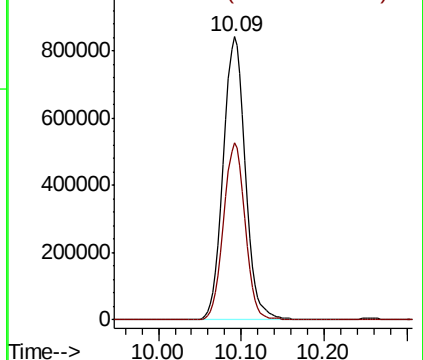


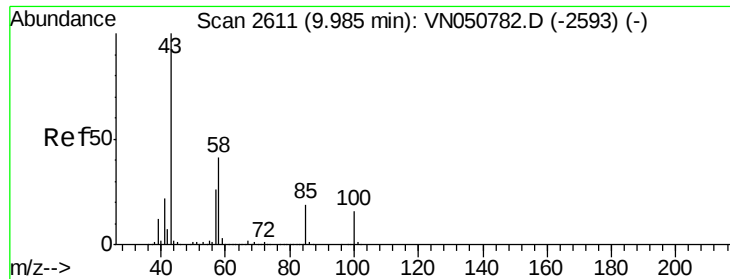
#50
Toluene-d8
Concen: 53.13 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

Tgt Ion: 98 Resp: 1557041
Ion Ratio Lower Upper
98 100
100 61.2 51.5 77.3



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: 0.53 ug/l

RT: 10.02 min Scan# 2564

Delta R.T. 0.03 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

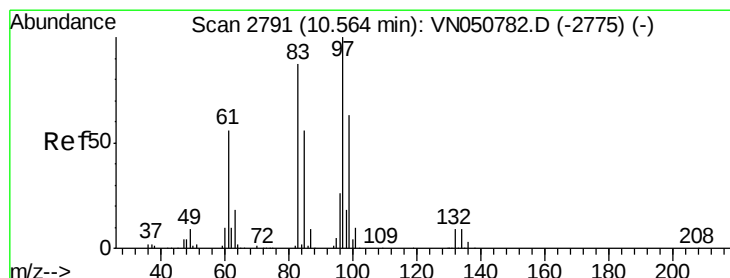
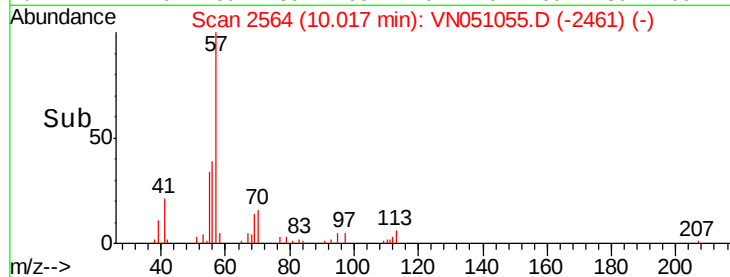
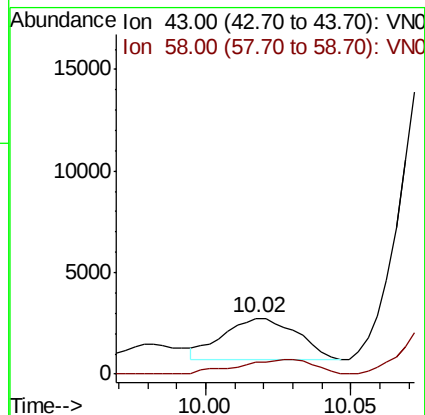
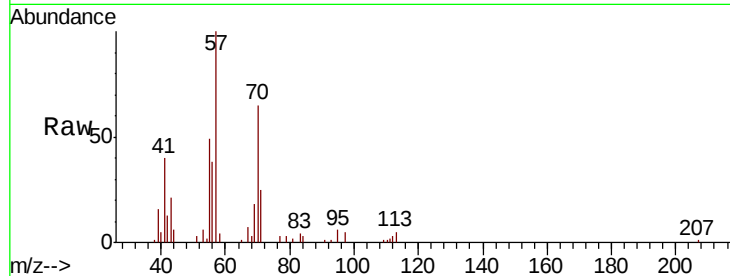
EP1-MW-C(10-15)

Tot Ion: 43 Resp: 3662

Ion Ratio Lower Upper

43 100

58 35.7 32.4 48.6



#55

1,1,2-Trichloroethane

Concen: 34.74 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Tgt Ion: 97 Resp: 267770

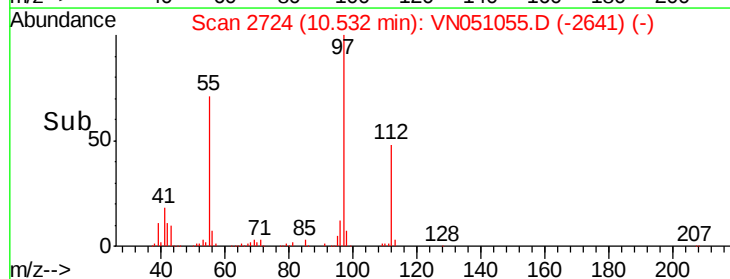
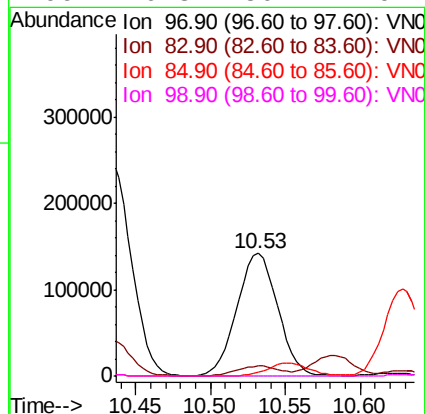
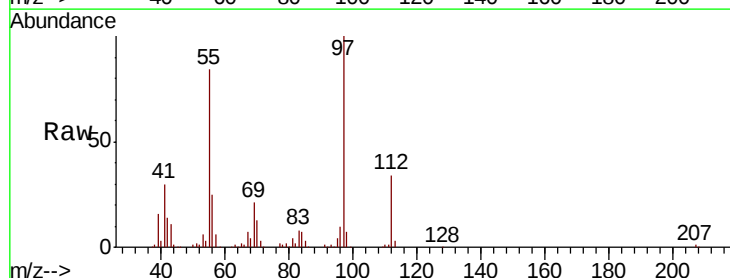
Ion Ratio Lower Upper

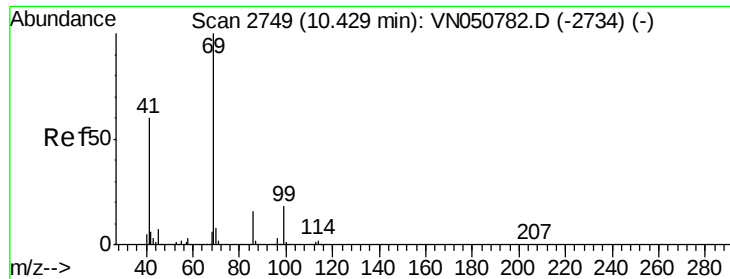
97 100

83 8.1 69.7 104.5#

85 2.8 44.5 66.7#

99 0.3 50.7 76.1#





#56

Ethyl methacrylate

Concen: 14.58 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)

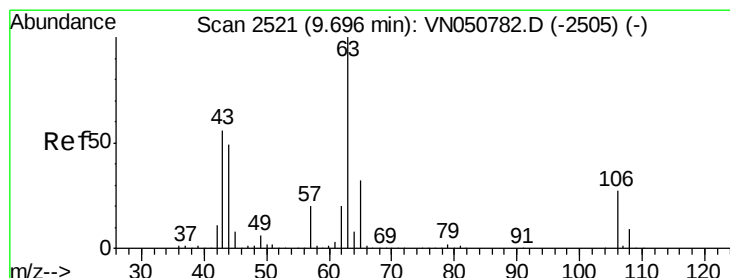
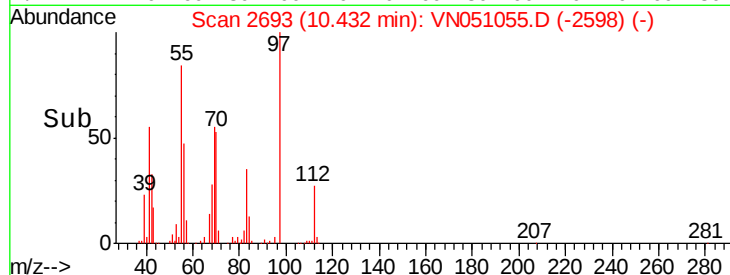
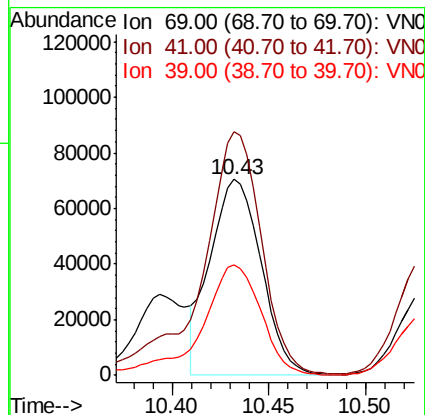
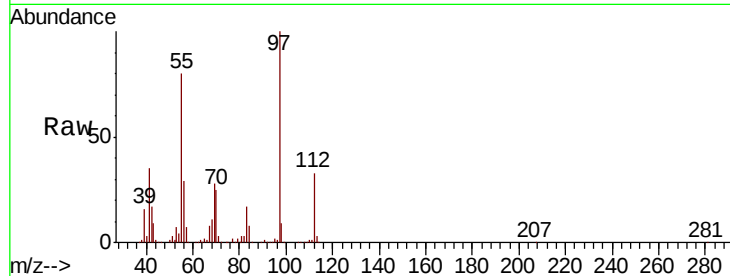
Tot Ion: 69 Resp: 128666

Ion Ratio Lower Upper

69 100

41 147.5 48.3 72.5#

39 68.4 24.0 36.0#



#58

2-Chloroethyl Vinyl ether

Concen: 12.29 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.15 min

Lab File: VN051055.D

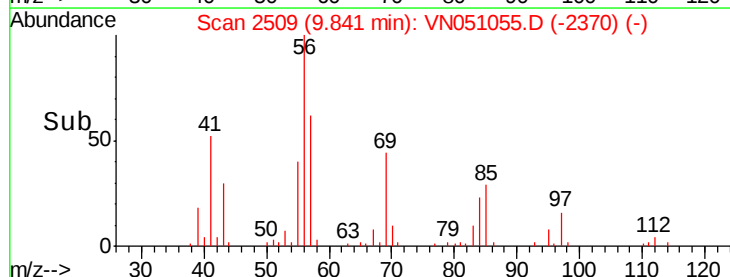
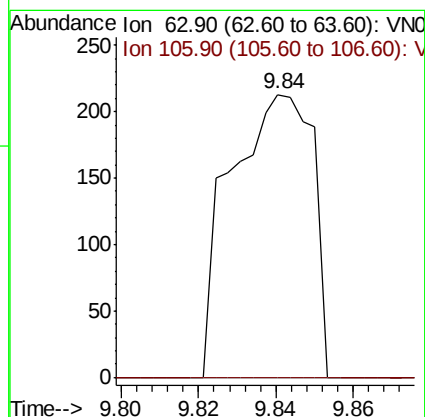
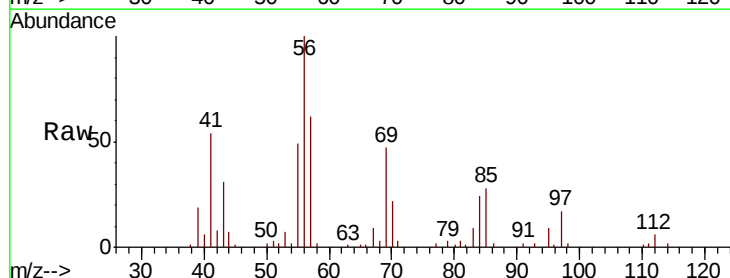
Acq: 7 Sep 2018 15:50

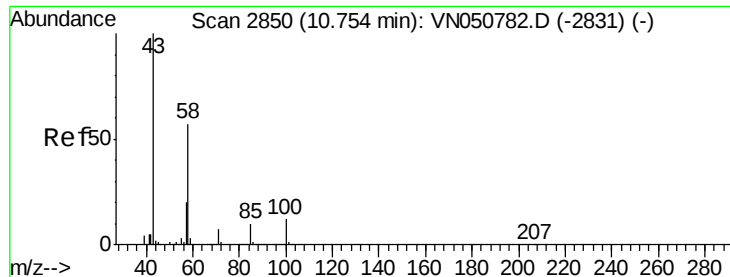
Tgt Ion: 63 Resp: 316

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#





#59

2-Hexanone

Concen: 158.47 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.04 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

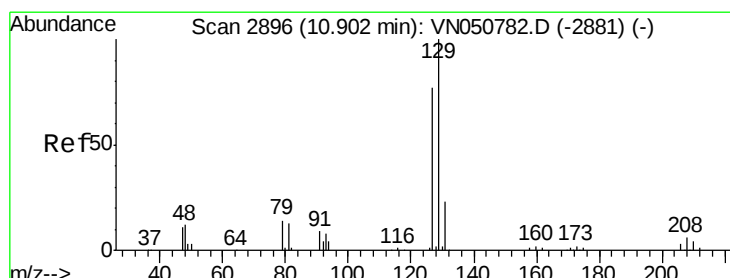
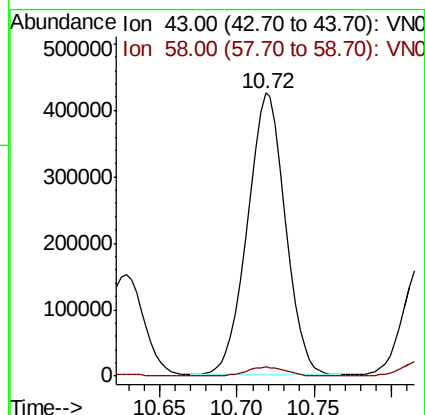
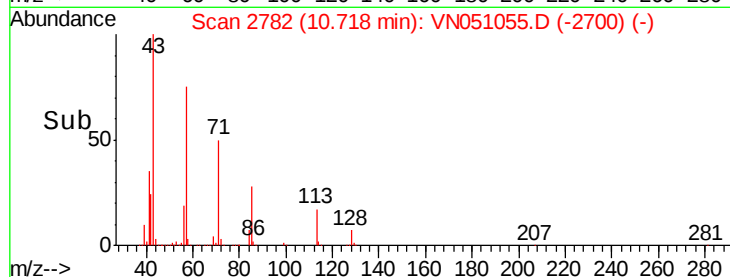
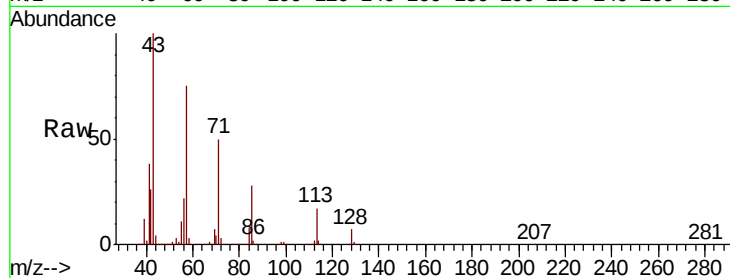
EP1-MW-C(10-15)

Tot Ion: 43 Resp: 722887

Ion Ratio Lower Upper

43 100

58 3.3 28.3 85.0#



#60

Dibromochloromethane

Concen: 0.38 ug/l

RT: 11.12 min Scan# 2907

Delta R.T. 0.22 min

Lab File: VN051055.D

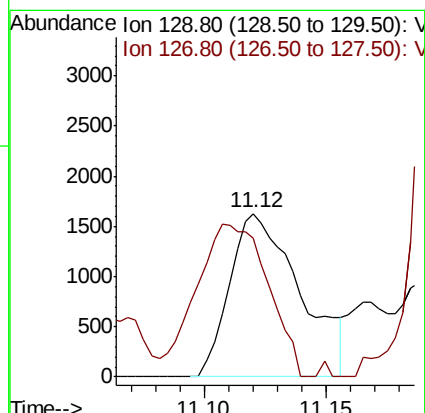
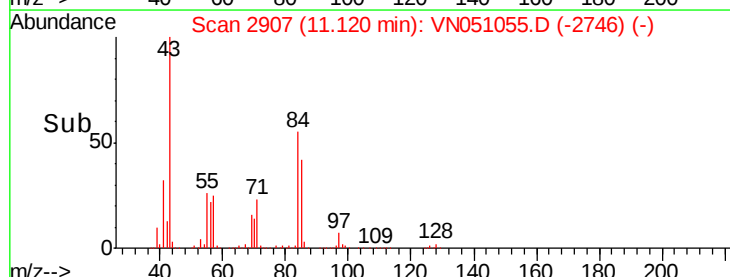
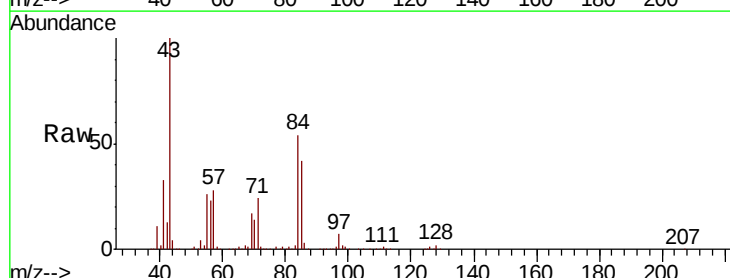
Acq: 7 Sep 2018 15:50

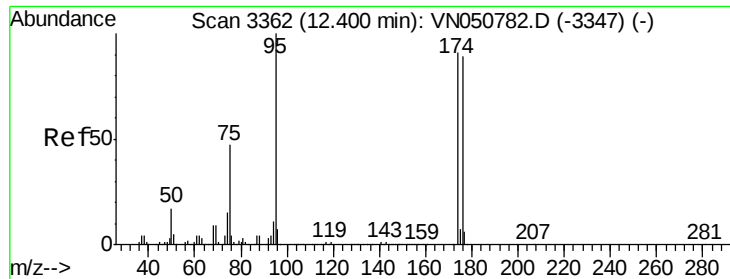
Tgt Ion: 129 Resp: 3252

Ion Ratio Lower Upper

129 100

127 95.6 38.3 114.9





#62

4-Bromofluorobenzene

Concen: 109.47 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)

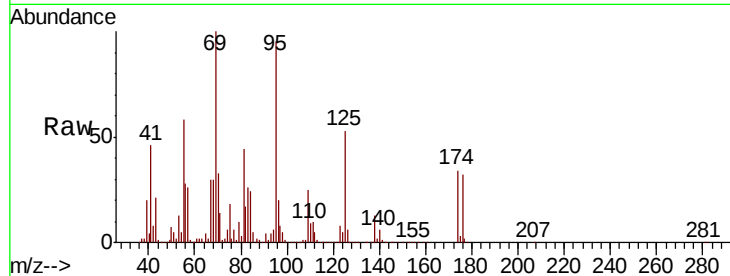
Tot Ion: 95 Resp: 1065984

Ion Ratio Lower Upper

95 100

174 39.1 0.0 183.0

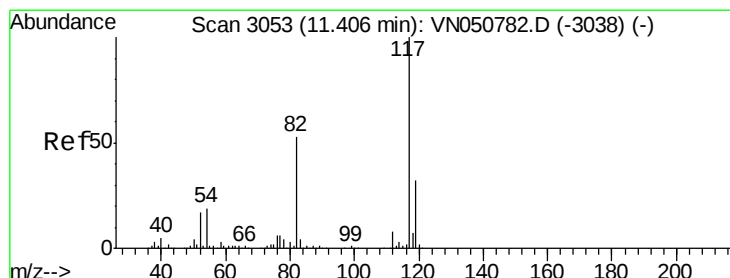
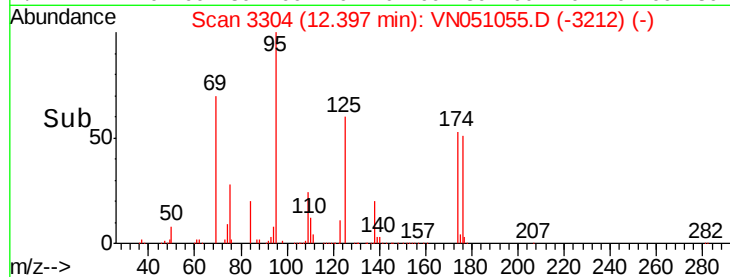
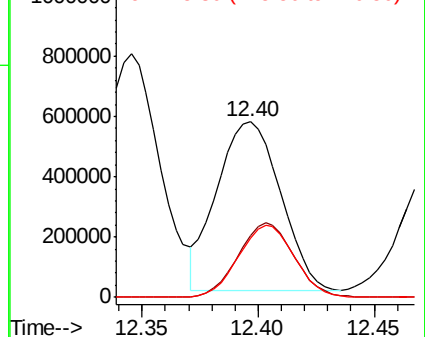
176 38.0 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050782.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050782.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050782.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

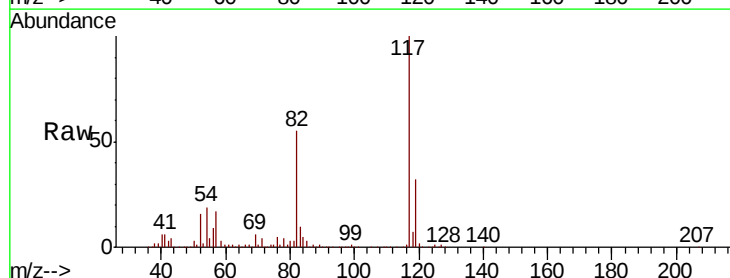
Tgt Ion: 117 Resp: 940925

Ion Ratio Lower Upper

117 100

82 48.5 42.6 64.0

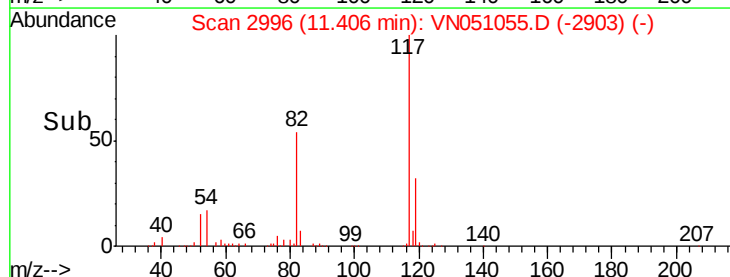
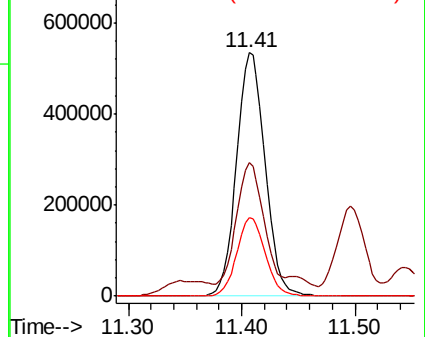
119 32.1 25.8 38.6

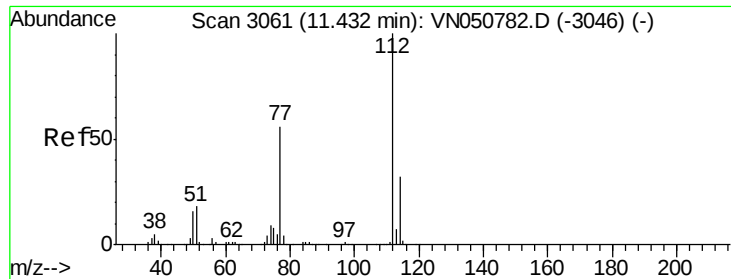


Abundance Ion 116.90 (116.60 to 117.60): VN050782.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050782.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050782.D (-3038) (-)

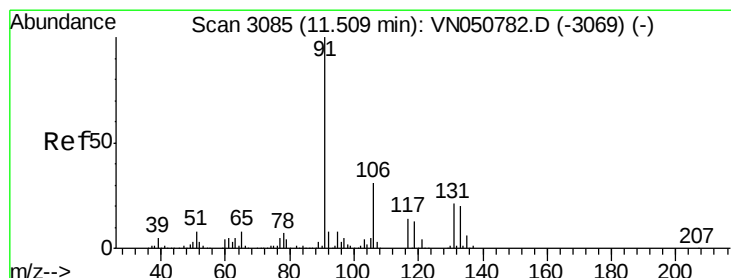
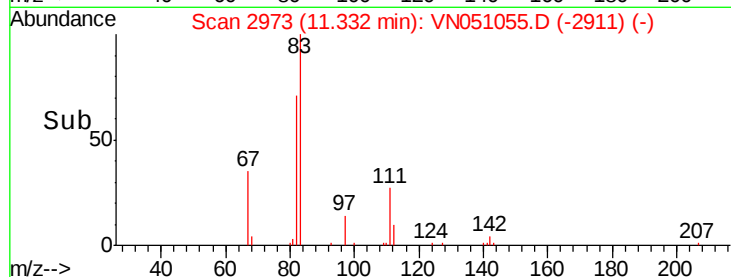
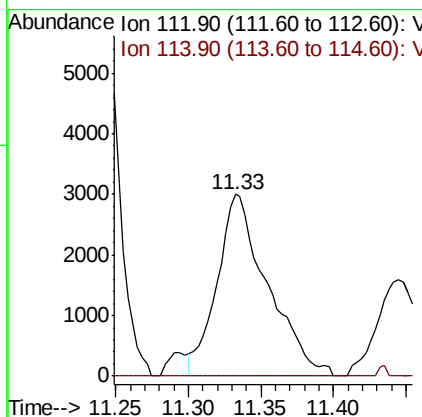
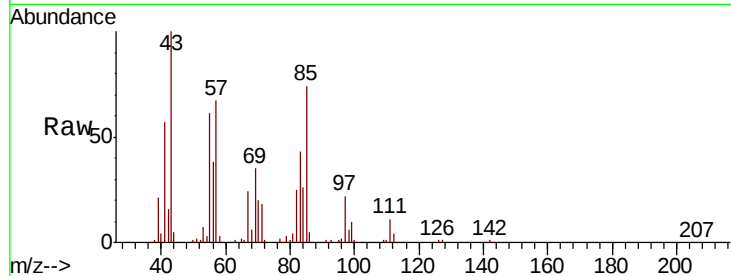




#65
Chlorobenzene
Concen: 0.30 ug/l
RT: 11.33 min Scan# 2973
Delta R.T. -0.10 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

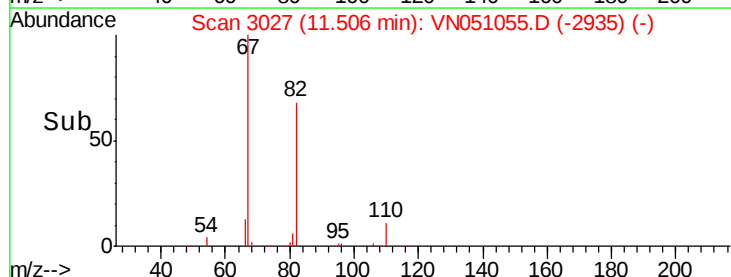
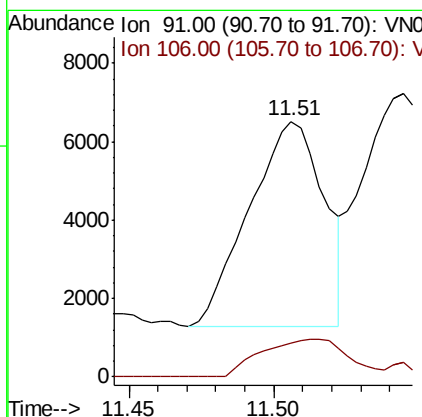
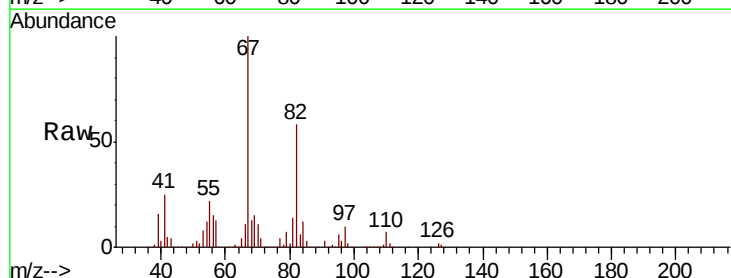
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)

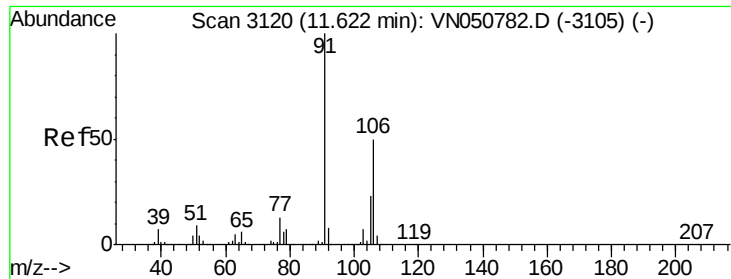
Tot Ion:112 Resp: 7258
Ion Ratio Lower Upper
112 100
114 0.0 25.6 38.4#



#67
Ethyl Benzene
Concen: 0.24 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

Tgt Ion: 91 Resp: 9414
Ion Ratio Lower Upper
91 100
106 16.6 25.0 37.4#

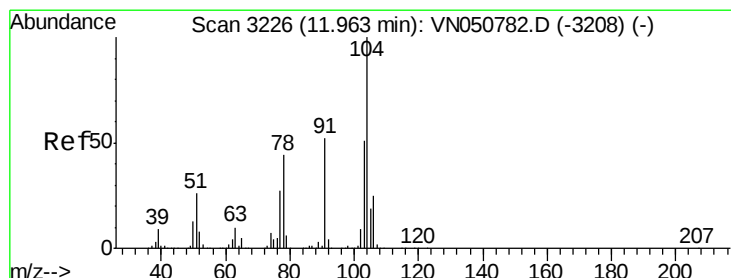
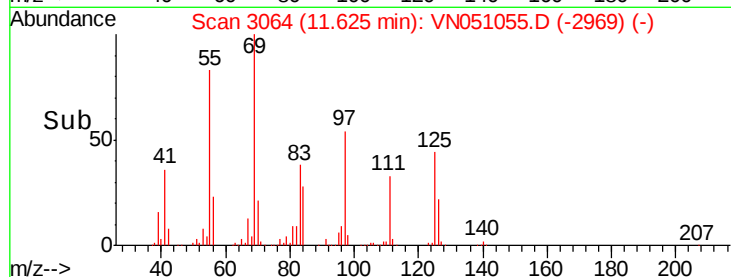
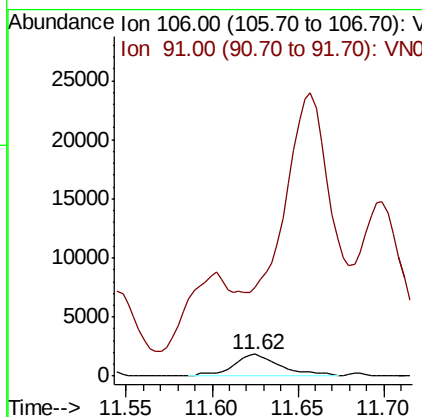
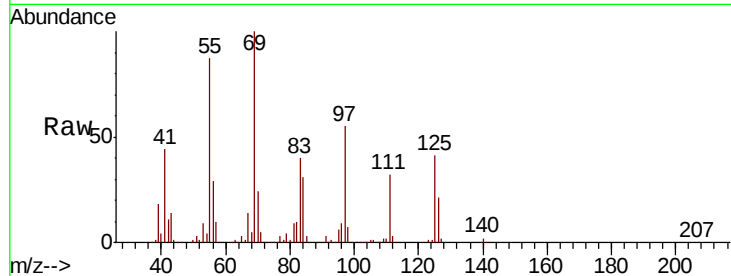




#68
m/p-Xvlenes
Concen: 0.24 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

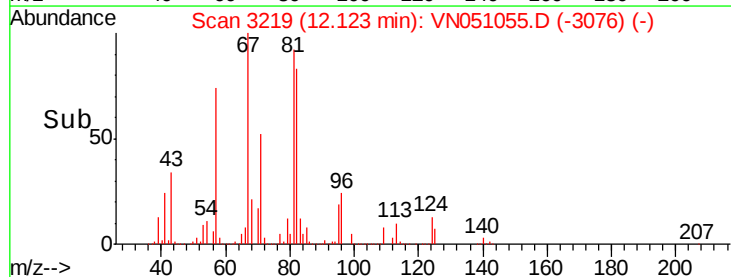
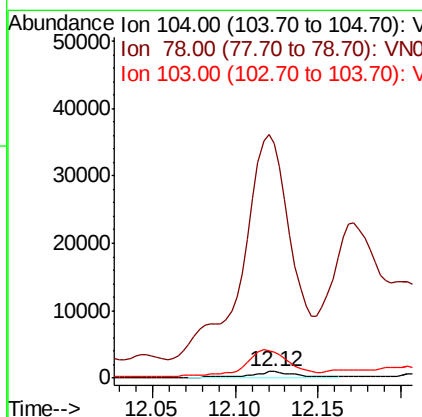
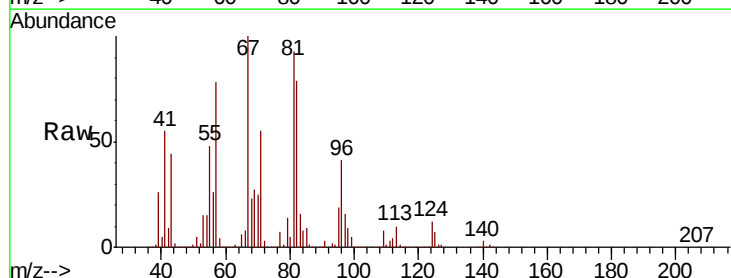
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-C(10-15)

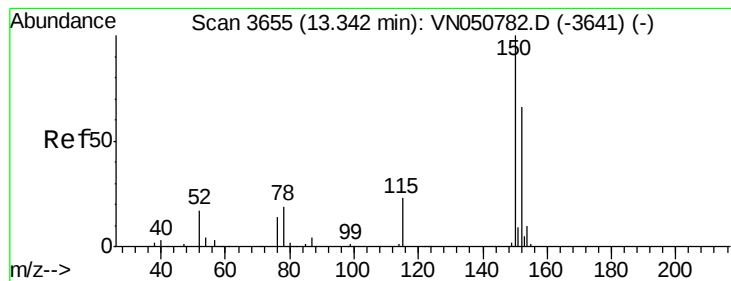
Tot Ion:106 Resp: 3604
Ion Ratio Lower Upper
106 100
91 0.0 161.0 241.6#



#70
Styrene
Concen: 1.35 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.16 min
Lab File: VN051055.D
Acq: 7 Sep 2018 15:50

Tgt Ion:104 Resp: 2133
Ion Ratio Lower Upper
104 100
78 3186.2 38.2 57.4#
103 352.3 44.4 66.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)

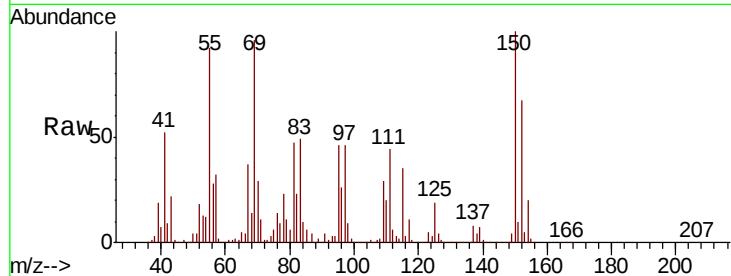
Tot Ion:152 Resp: 521070

Ion Ratio Lower Upper

152 100

115 40.6 27.8 83.4

150 111.9 0.0 351.4

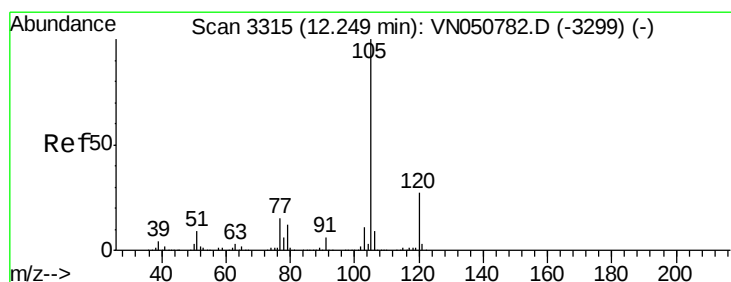
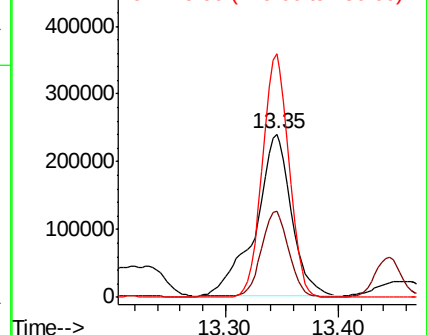
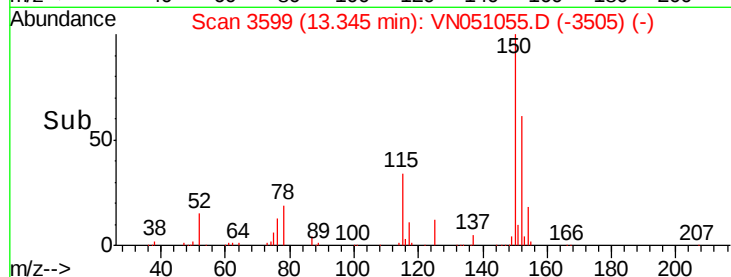


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 84.94 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN051055.D

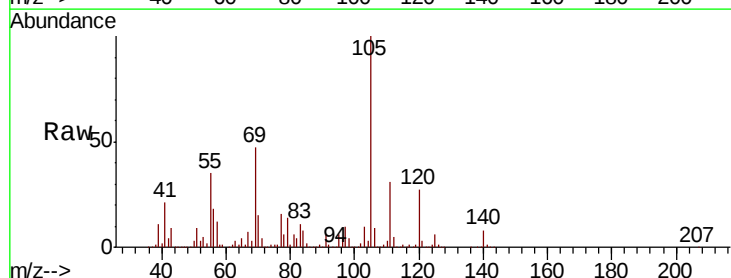
Acq: 7 Sep 2018 15:50

Tgt Ion:105 Resp: 3665002

Ion Ratio Lower Upper

105 100

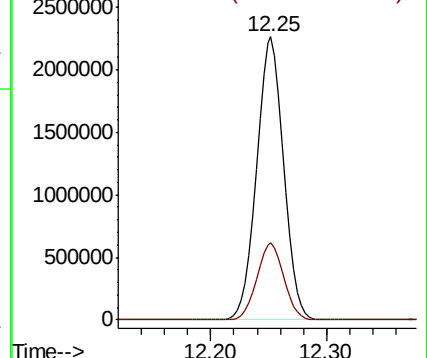
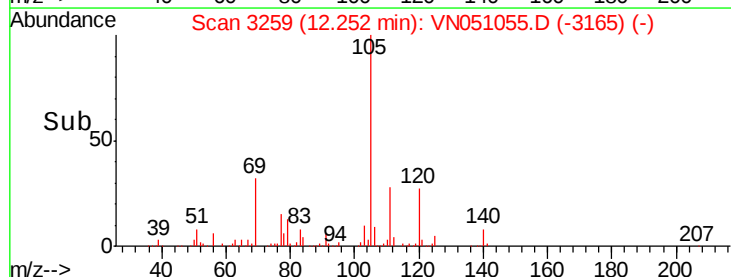
120 27.2 13.5 40.4

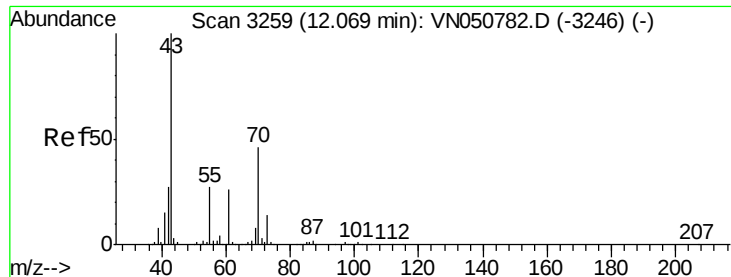


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 360.71 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

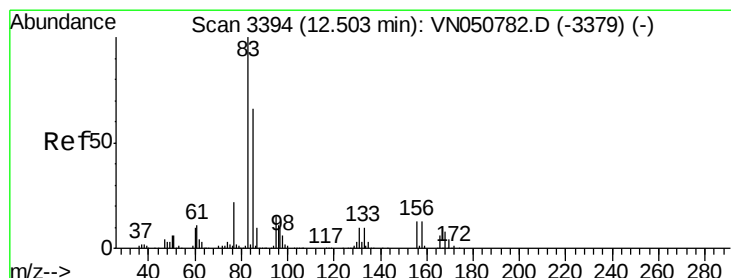
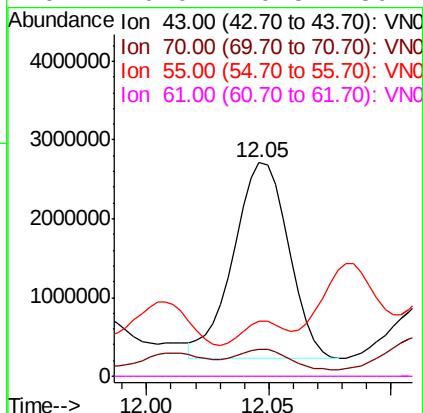
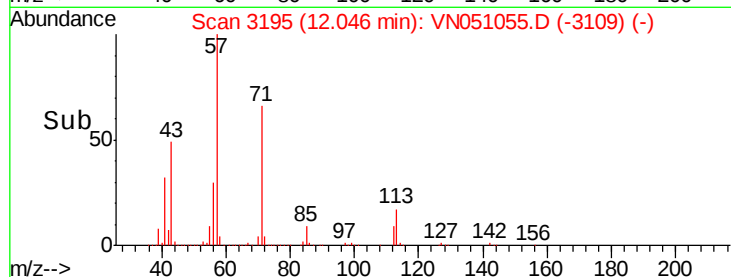
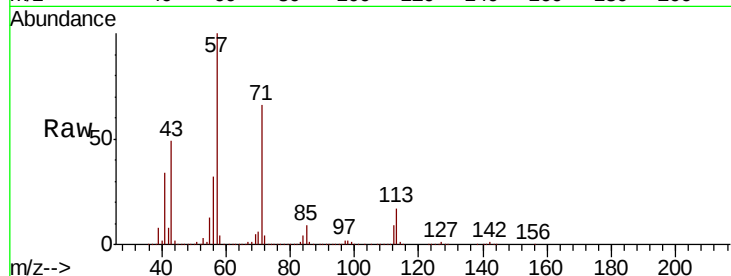
MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)

Tot Ion: 43 Resp: 3910540

Ion	Ratio	Lower	Upper
43	100		
70	9.6	36.2	54.2#
55	9.2	21.8	32.8#
61	0.0	20.5	30.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 44.41 ug/l

RT: 12.47 min Scan# 3327

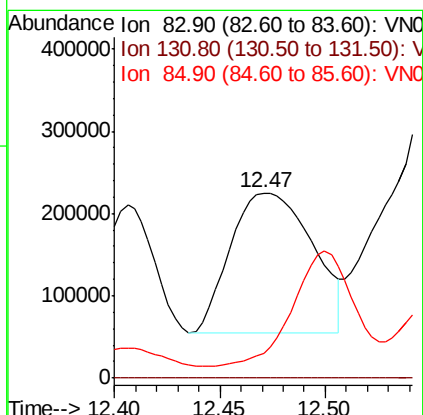
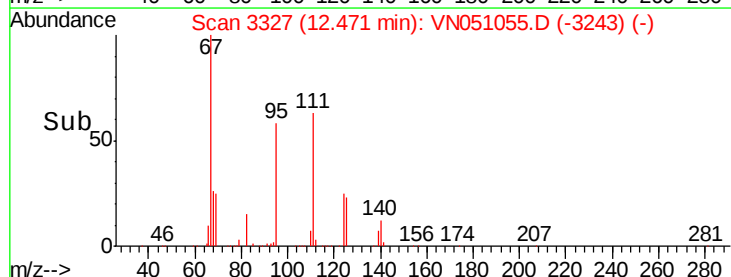
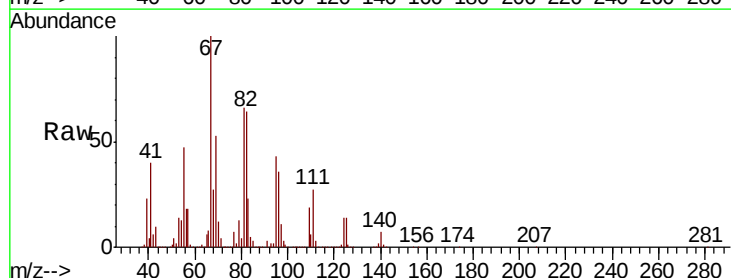
Delta R.T. -0.03 min

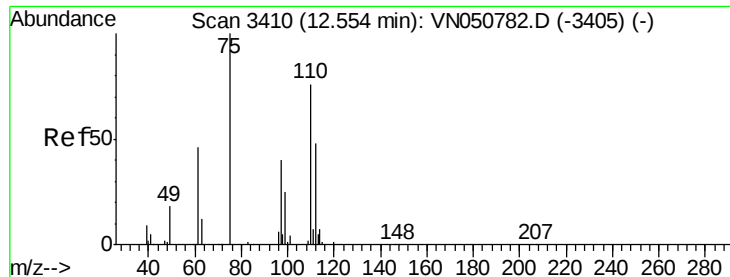
Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Tgt Ion: 83 Resp: 458732

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.9#
85	0.0	31.9	95.7#





#76

1,2,3-Trichloropropane

Concen: 6.23 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

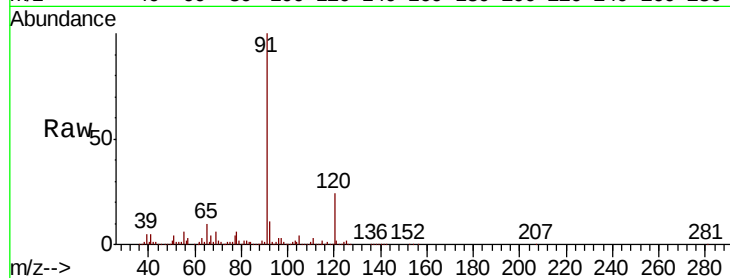
EP1-MW-C(10-15)

Tot Ion: 75 Resp: 56884

Ion Ratio Lower Upper

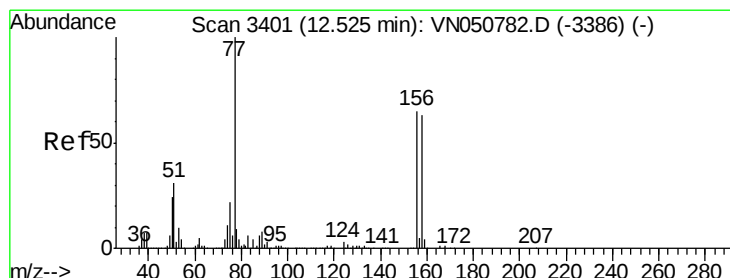
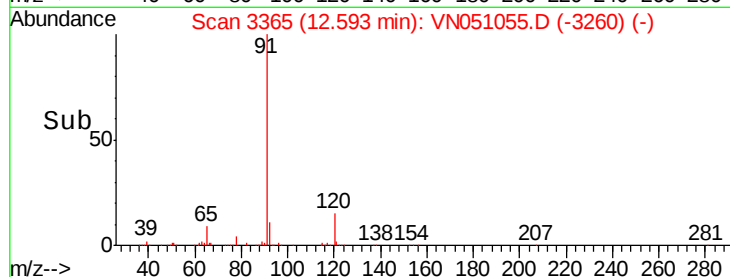
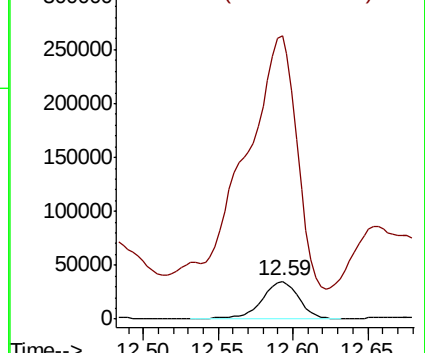
75 100

77 959.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 0.51 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.03 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

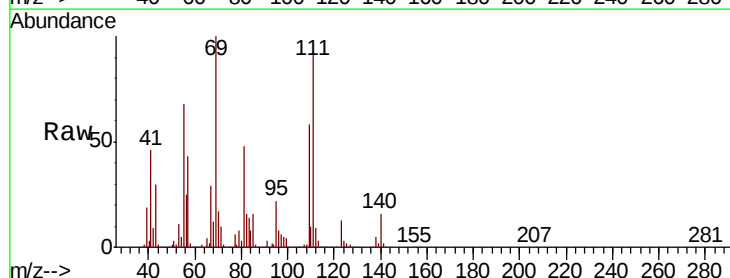
Tgt Ion: 156 Resp: 5976

Ion Ratio Lower Upper

156 100

77 0.0 89.9 269.7#

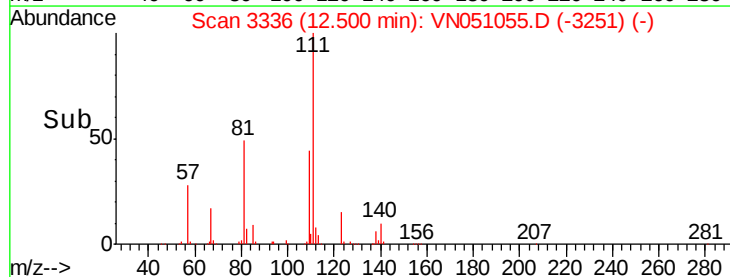
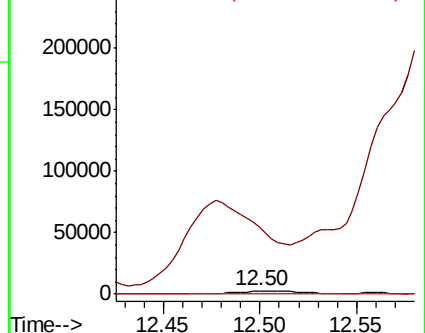
158 0.0 49.3 147.9#

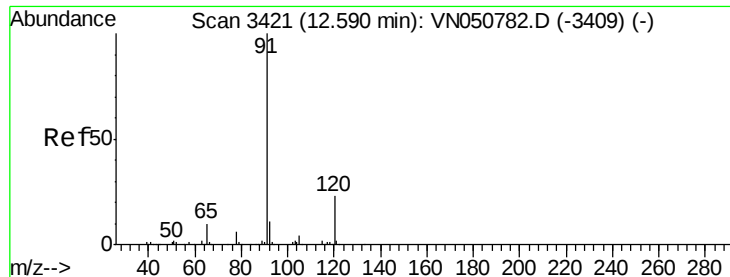


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 214.83 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

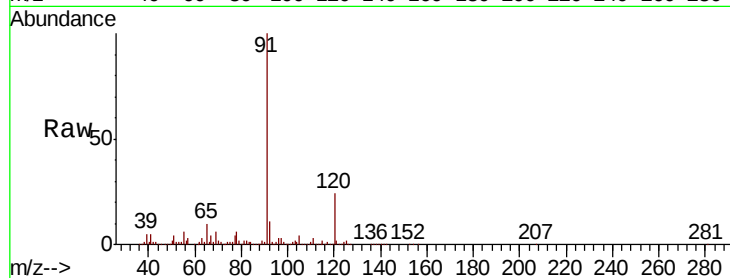
EP1-MW-C(10-15)

Tot Ion: 91 Resp:10354652

Ion Ratio Lower Upper

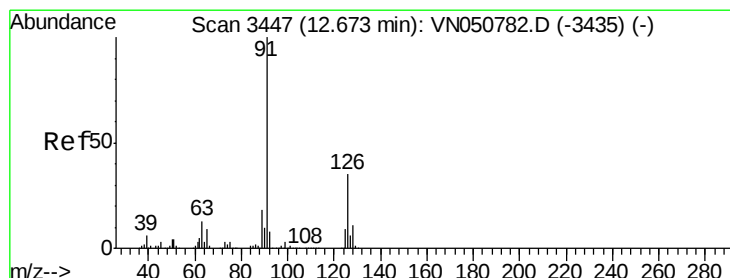
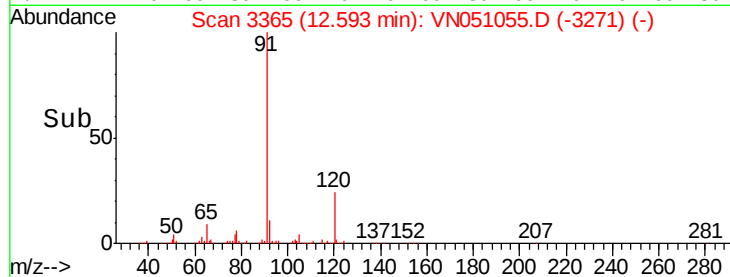
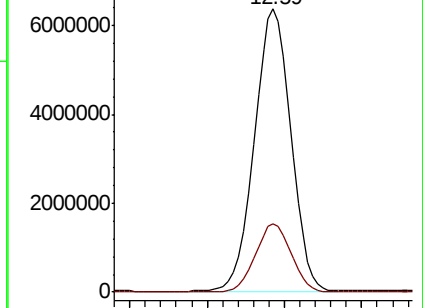
91 100

120 23.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 344.90 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN051055.D

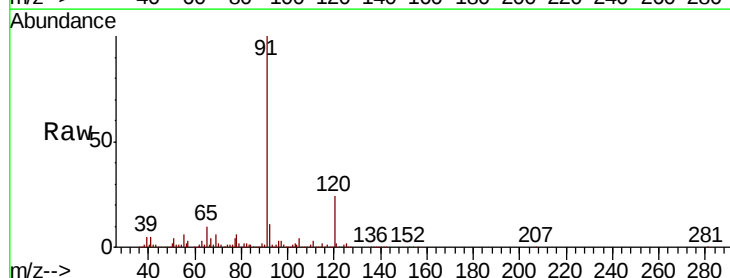
Acq: 7 Sep 2018 15:50

Tgt Ion: 91 Resp:10354652

Ion Ratio Lower Upper

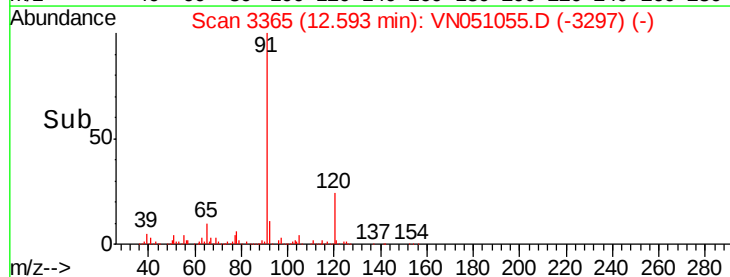
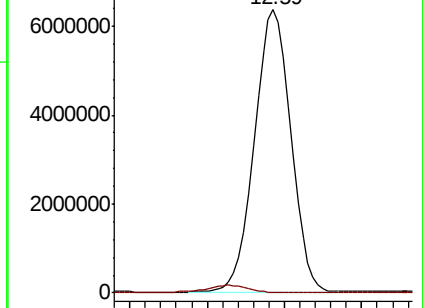
91 100

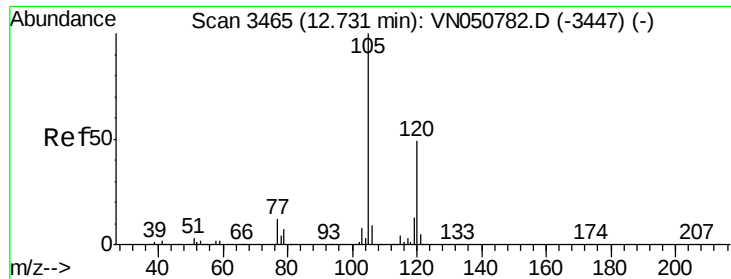
126 0.0 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

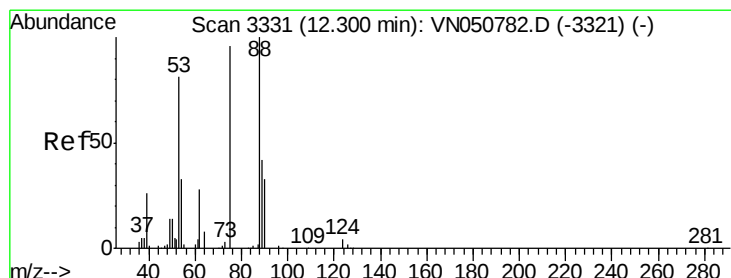
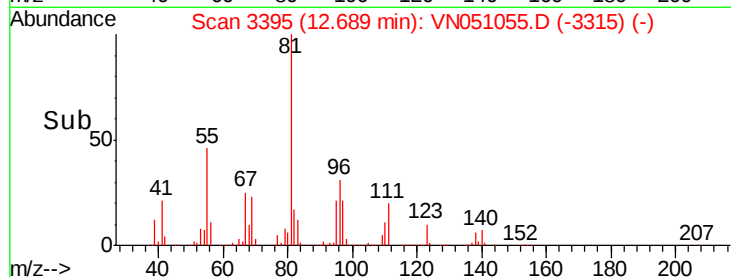
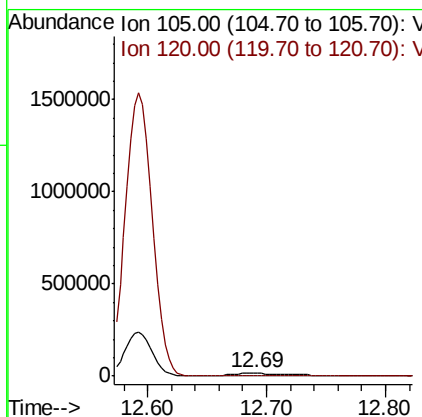
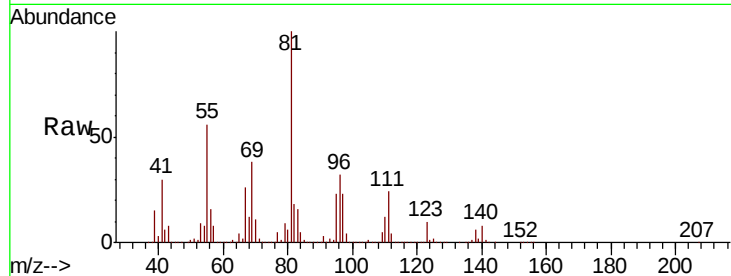




#80
 1,3,5-Trimethylbenzene
 Concen: 1.29 ug/l
 RT: 12.69 min Scan# 3395
 Delta R.T. -0.04 min
 Lab File: VN051055.D
 Acq: 7 Sep 2018 15:50

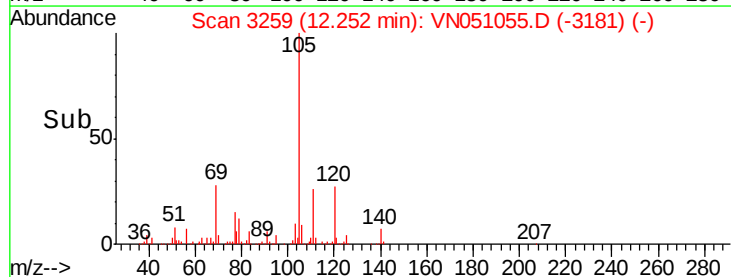
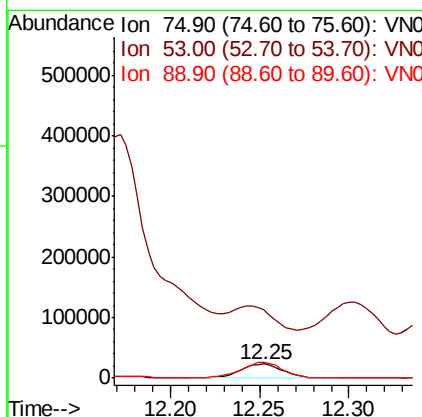
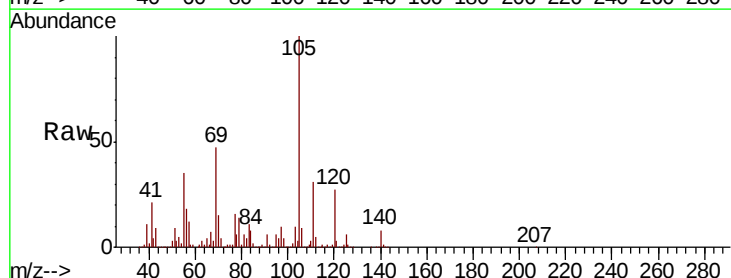
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)

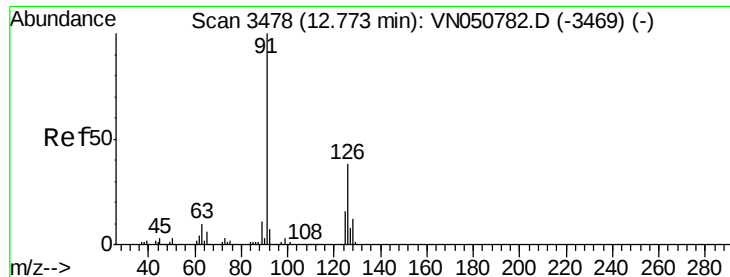
Tot Ion:105 Resp: 44885
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.6 74.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 13.72 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. -0.05 min
 Lab File: VN051055.D
 Acq: 7 Sep 2018 15:50

Tgt Ion: 75 Resp: 37048
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.9 103.3#
 89 110.7 36.1 54.1#





#82

4-Chlorotoluene

Concen: 350.27 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.18 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

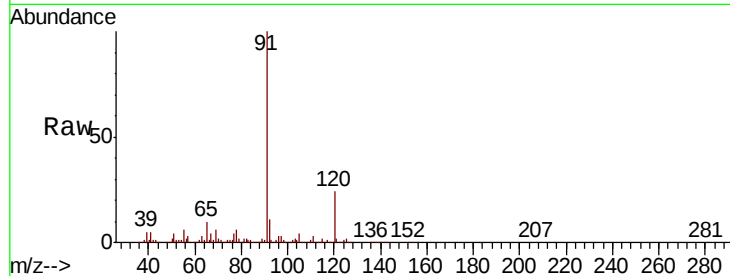
EP1-MW-C(10-15)

Tot Ion: 91 Resp:10381803

Ion Ratio Lower Upper

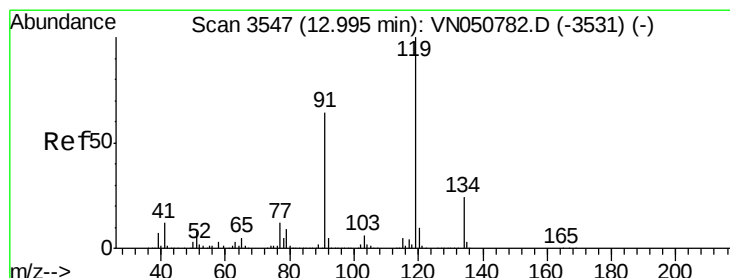
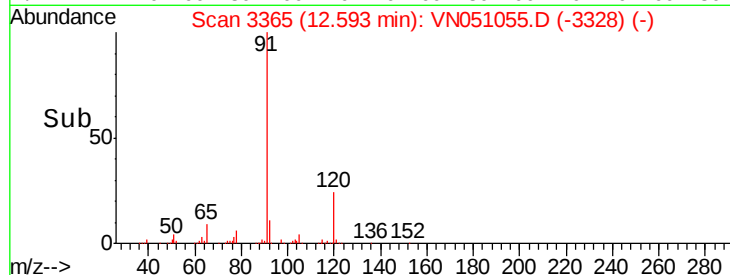
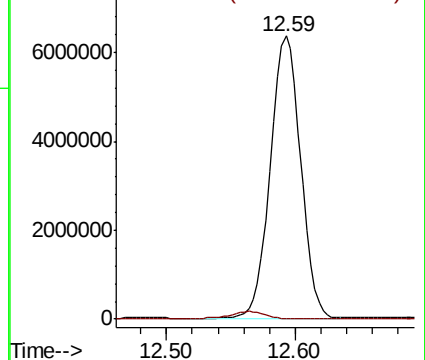
91 100

126 0.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN050782.D (-3469) (-)



#83

tert-Butylbenzene

Concen: 20.56 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

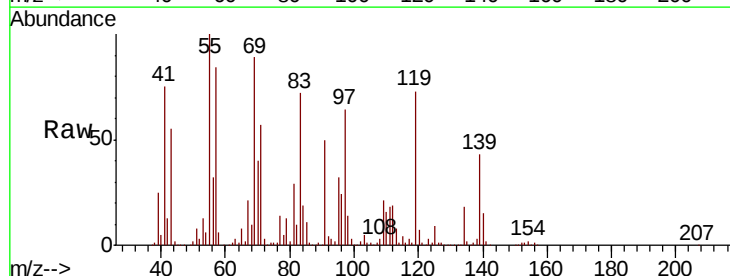
Tgt Ion:119 Resp: 619885

Ion Ratio Lower Upper

119 100

91 74.2 31.6 94.7

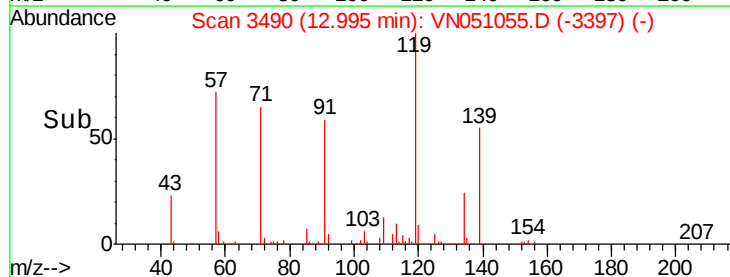
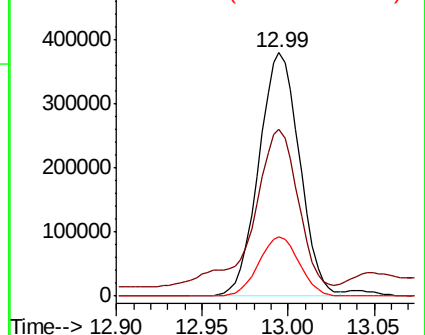
134 24.3 13.4 40.1

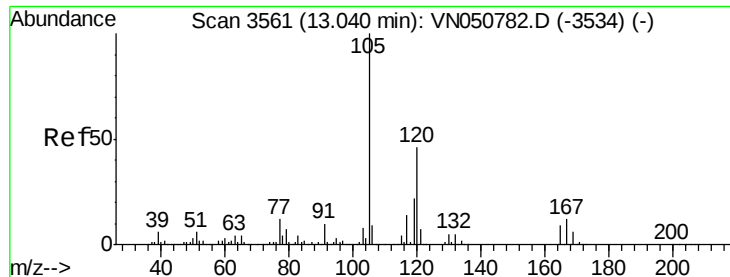


Abundance Ion 119.00 (118.70 to 119.70): VN050782.D (-3531) (-)

Ion 91.00 (90.70 to 91.70): VN050782.D (-3531) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3531) (-)





#84

1,2,4-Trimethylbenzene

Concen: 128.47 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.14 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

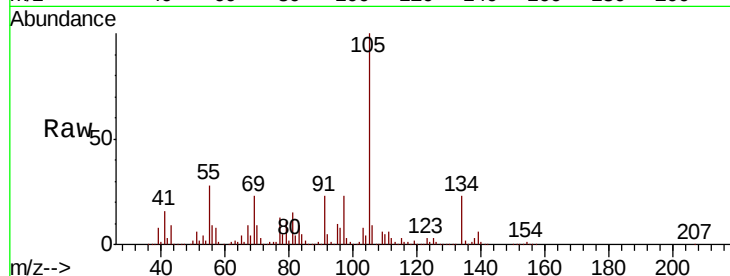
EP1-MW-C(10-15)

Tot Ion:105 Resp: 4498844

Ion Ratio Lower Upper

105 100

120 0.2 22.9 68.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.17

3000000

2500000

2000000

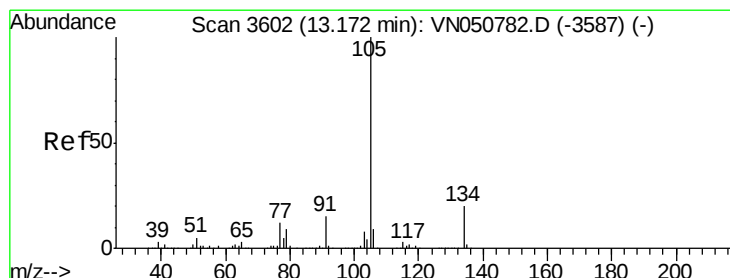
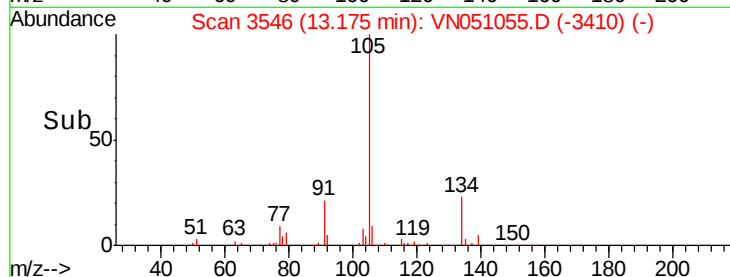
1500000

1000000

500000

0

Time-->



#85

sec-Butylbenzene

Concen: 113.87 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051055.D

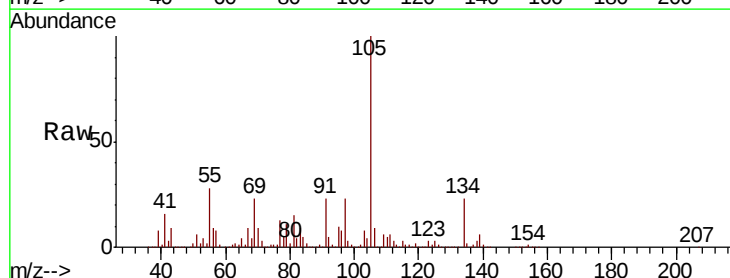
Acq: 7 Sep 2018 15:50

Tgt Ion:105 Resp: 4498844

Ion Ratio Lower Upper

105 100

134 37.0 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

3000000

2500000

2000000

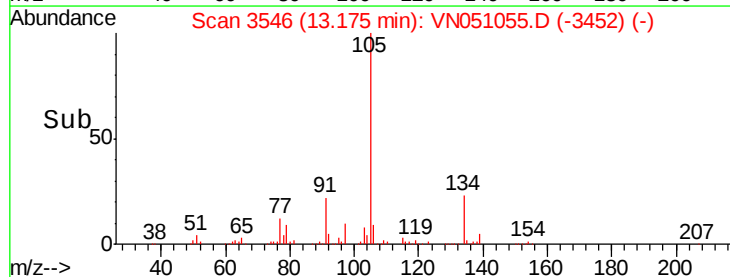
1500000

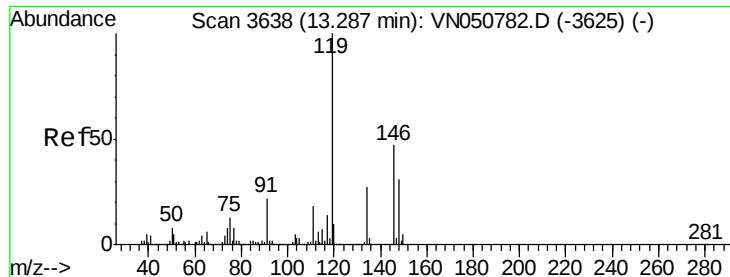
1000000

500000

0

Time-->





#86

p-Isopropyltoluene

Concen: 34.13 ug/l

RT: 13.44 min Scan# 3630

Delta R.T. 0.16 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)

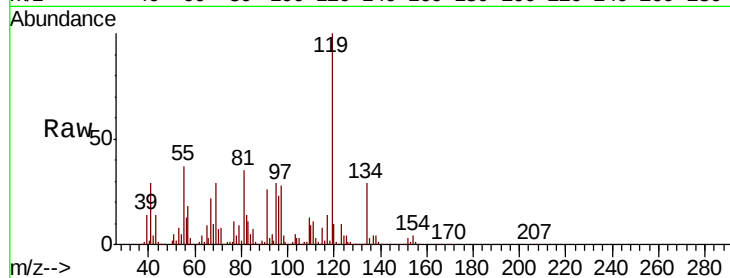
Tot Ion:119 Resp: 1148840

Ion Ratio Lower Upper

119 100

134 28.8 13.7 41.0

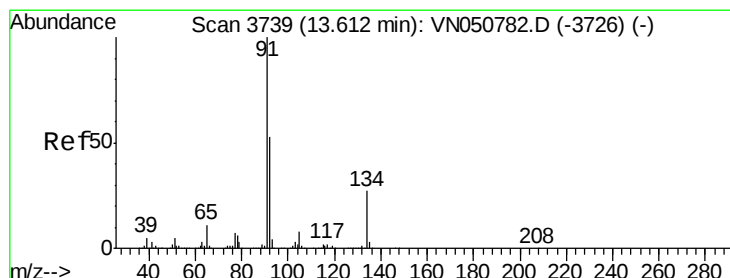
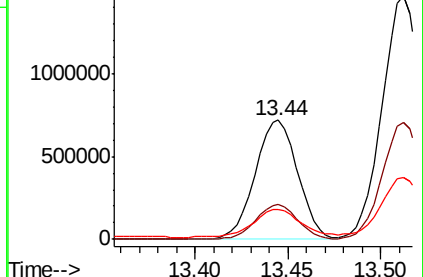
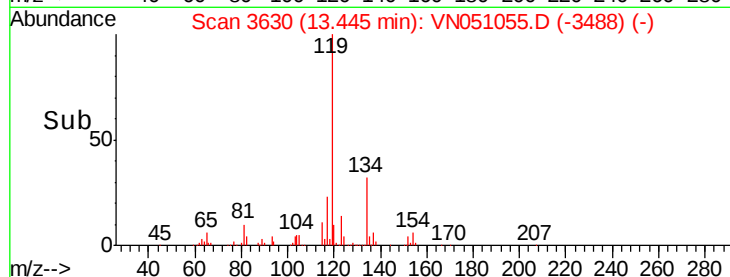
91 26.7 11.2 33.5



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



#89

n-Butylbenzene

Concen: 109.89 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

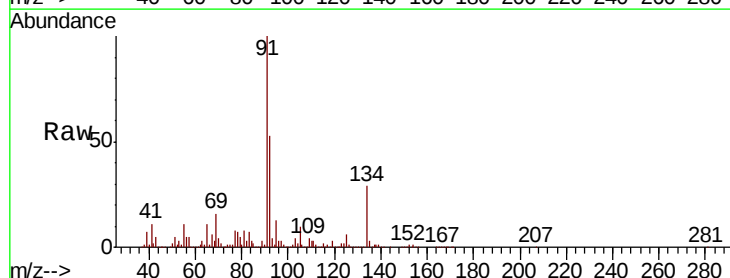
Tgt Ion: 91 Resp: 2958870

Ion Ratio Lower Upper

91 100

92 50.6 26.1 78.2

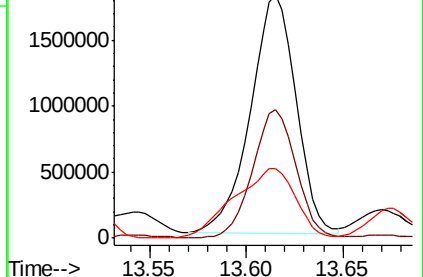
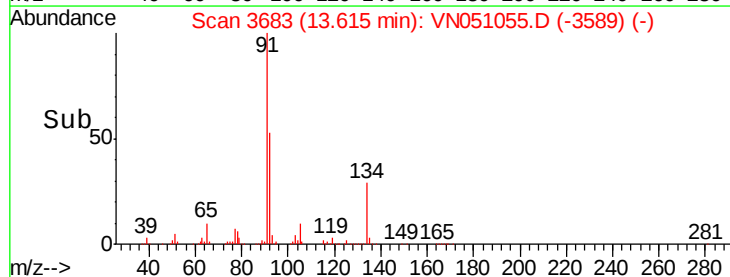
134 39.5 13.2 39.6

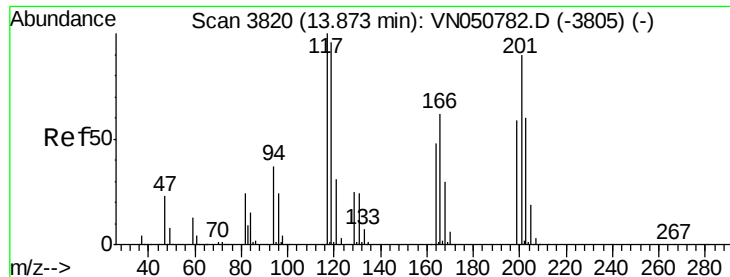


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 86.38 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

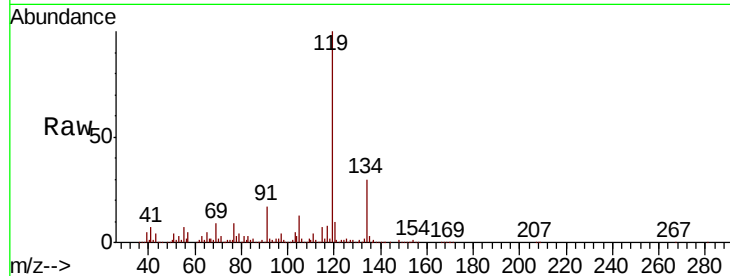
EP1-MW-C(10-15)

Tot Ion:117 Resp: 555087

Ion Ratio Lower Upper

117 100

201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

600000

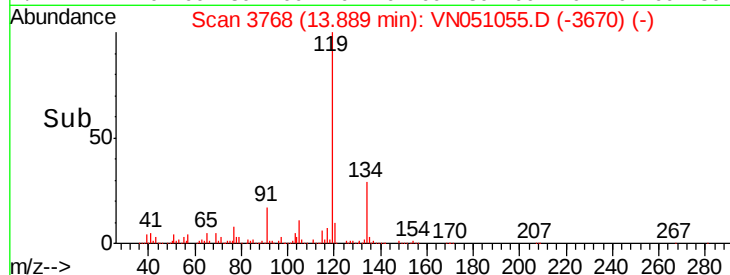
400000

200000

0

13.85 13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.39 ug/l

RT: 14.29 min Scan# 3894

Delta R.T. 0.03 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

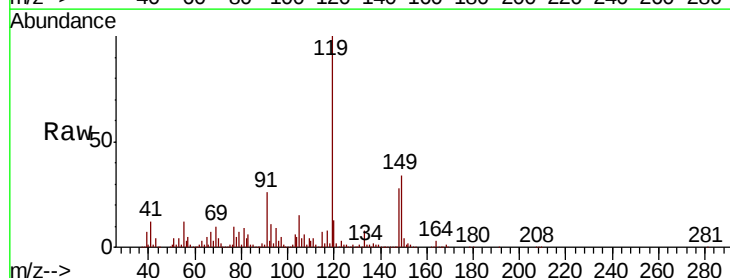
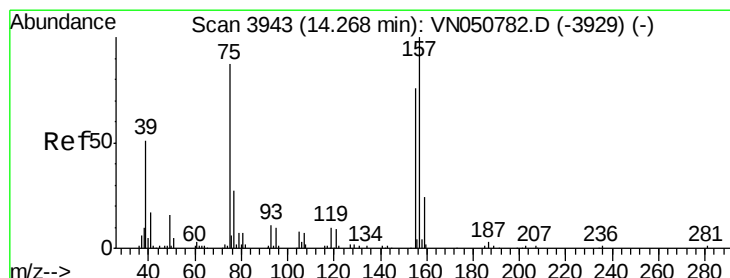
Tgt Ion: 75 Resp: 5247

Ion Ratio Lower Upper

75 100

155 0.0 46.4 139.1#

157 0.0 60.7 182.0#



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

5000

4000

3000

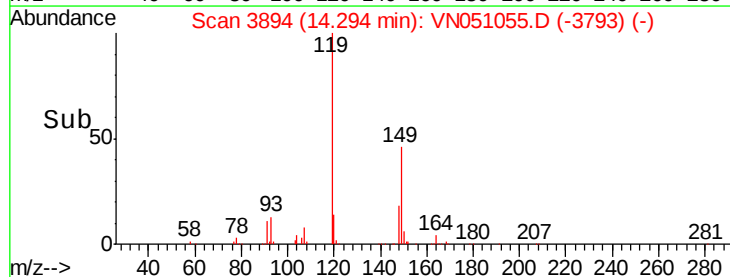
2000

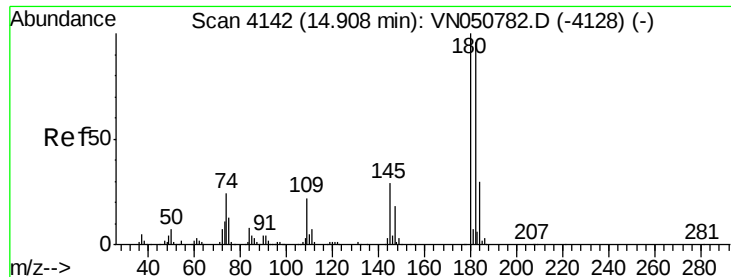
1000

0

14.25 14.30

Time-->

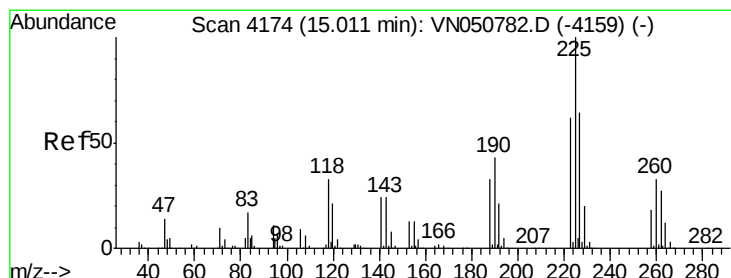
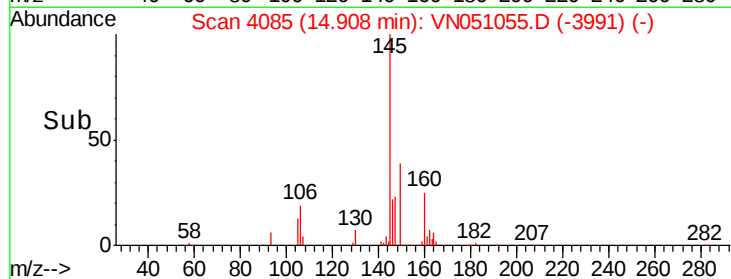
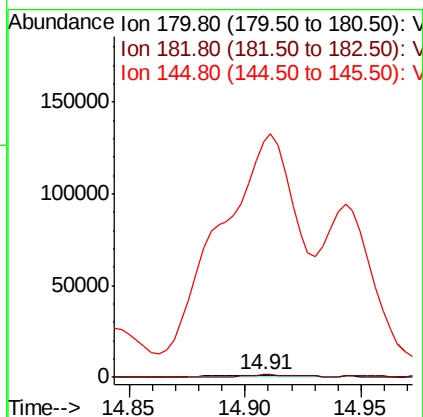
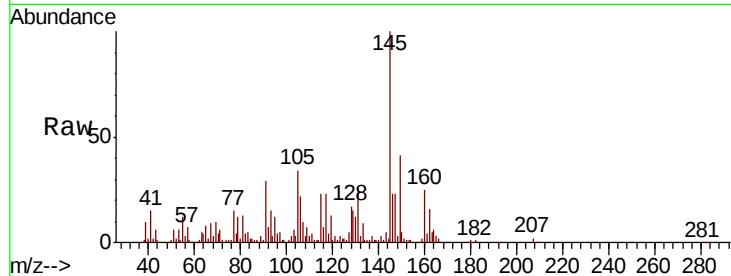




#93
 1,2,4-Trichlorobenzene
 Concen: 4.22 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051055.D
 Acq: 7 Sep 2018 15:50

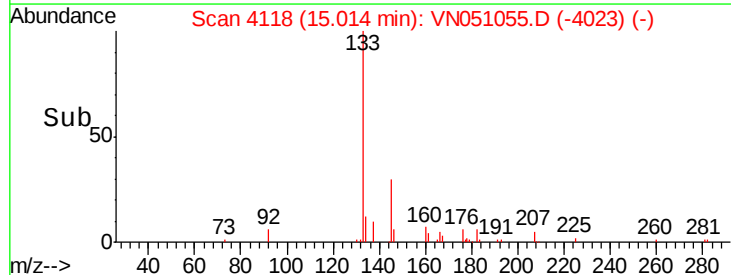
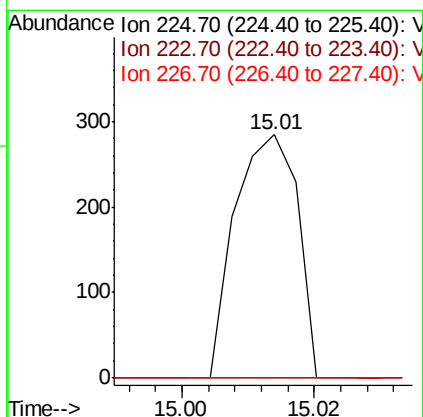
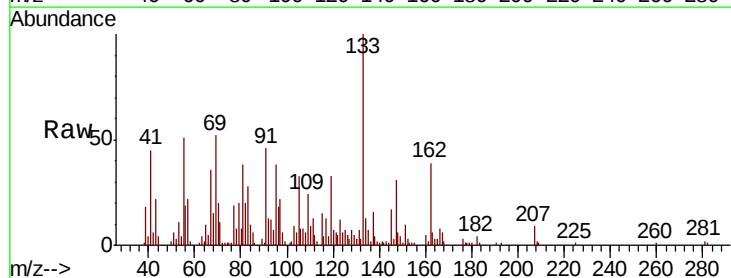
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-C(10-15)

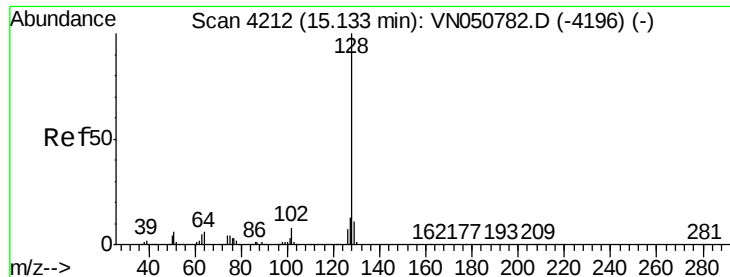
Tot Ion:180 Resp: 1478
 Ion Ratio Lower Upper
 180 100
 182 150.0 48.2 144.6#
 145 21988.6 14.1 42.2#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN051055.D
 Acq: 7 Sep 2018 15:50

Tgt Ion:225 Resp: 186
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.3 93.8#
 227 0.0 32.0 96.2#





#95

Naphthalene

Concen: 5.60 ug/l

RT: 15.09 min Scan# 4143

Delta R.T. -0.04 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)

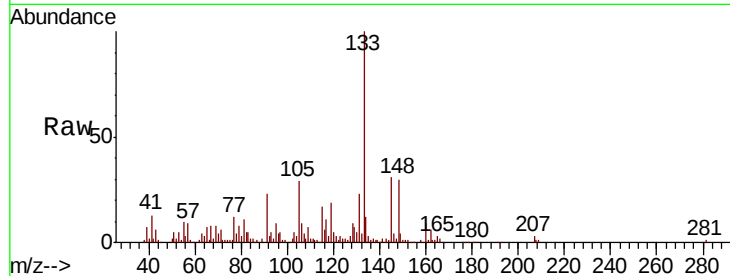
Tot Ion:128 Resp: 4658

Ion Ratio Lower Upper

128 100

127 89.7 10.5 15.7#

129 174.7 8.7 13.1#

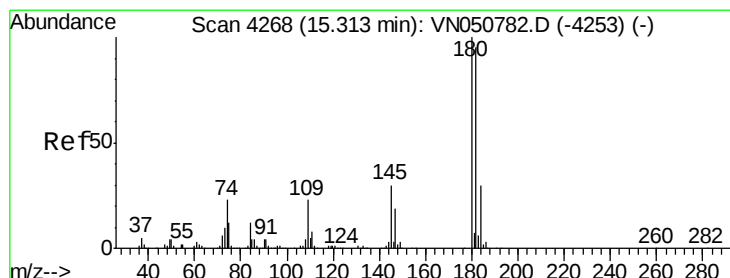
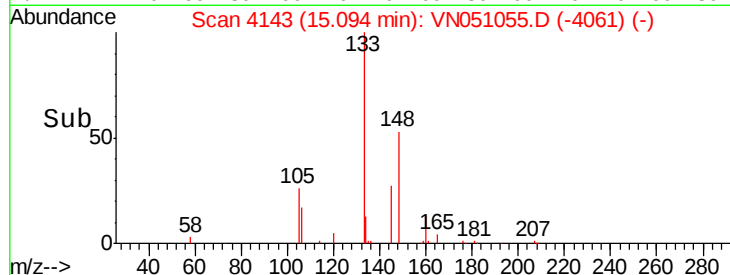
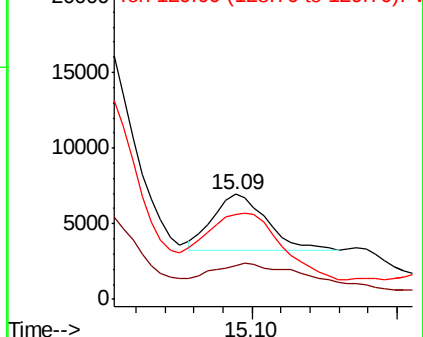


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.32 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN051055.D

Acq: 7 Sep 2018 15:50

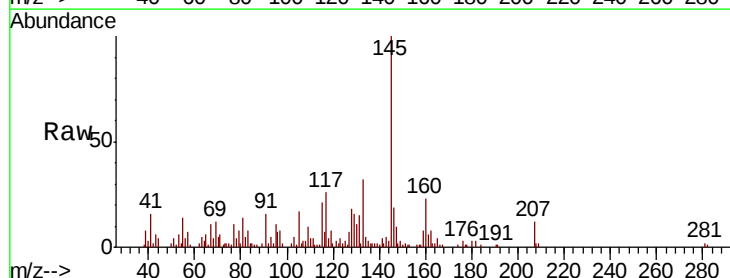
Tgt Ion:180 Resp: 219

Ion Ratio Lower Upper

180 100

182 553.0 48.0 144.2#

145 0.0 15.2 45.6#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

