

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053033.D
 Acq On : 20 Dec 2018 1:56
 Operator : MD\SY
 Sample : J6411-09
 Misc : 6.07µ/5.0mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 40 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3A(17-18FT)1218

Quant Time: Dec 20 05:29:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1350365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2050456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1904078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	834661	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	640185	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	7.59	113	520837	55.61	ug/l	0.00
Spiked Amount			Recovery	=	111.22%	
50) Toluene-d8	10.09	98	2570489	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.40	95	1057088	59.88	ug/l	0.00
Spiked Amount			Recovery	=	119.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	274	0.361	ug/l #	14
16) Acetone	3.82	43	2834	1.055	ug/l #	81
18) Methyl Acetate	4.33	43	4828	1.380	ug/l #	75
36) 1,1-Dichloropropene	7.67	75	86046	4.372	ug/l #	49
38) Carbon Tetrachloride	7.67	117	114452	6.345	ug/l #	16
39) Methylcyclohexane	9.08	83	72570	3.035	ug/l	97
43) Isopropyl Acetate	8.32	43	136931	5.511	ug/l #	53
48) Methyl methacrylate	9.14	41	4744	0.445	ug/l #	36
51) 4-Methyl-2-Pentanone	10.09	43	26203	2.463	ug/l #	44
55) 1,1,2-Trichloroethane	10.53	97	117271	9.264	ug/l #	20
56) Ethyl methacrylate	10.43	69	50203	2.996	ug/l #	19
59) 2-Hexanone	10.72	43	812048	112.804	ug/l #	28
65) Chlorobenzene	11.54	112	36024	0.853	ug/l #	43
67) Ethyl Benzene	11.51	91	280546	3.865	ug/l	99
68) m/p-Xylenes	11.62	106	826141	29.939	ug/l	99
69) o-Xylene	11.95	106	36989	1.397	ug/l	51
71) Bromoform	12.40	173	5115	0.482	ug/l #	1
73) Isopropylbenzene	12.25	105	1593840	24.406	ug/l	99
74) N-amyl acetate	12.05	43	3458828	190.769	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.48	83	237862	18.566	ug/l #	25
76) 1,2,3-Trichloropropane	12.59	75	25659	1.826	ug/l #	100
77) Bromobenzene	12.51	156	4469	0.263	ug/l #	1
78) n-propylbenzene	12.59	91	4446830	59.788	ug/l	99
79) 2-Chlorotoluene	12.69	91	466675	10.123	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	5890651	110.666	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.25	75	16682	3.827	ug/l #	1
82) 4-Chlorotoluene	12.73	91	599303	13.280	ug/l #	55
83) tert-Butylbenzene	12.99	119	286211	6.080	ug/l	92
84) 1,2,4-Trimethylbenzene	13.17	105	2347725	43.874	ug/l #	30
85) sec-Butylbenzene	13.17	105	2347725	36.870	ug/l #	74
86) p-Isopropyltoluene	13.29	119	2194006	39.876	ug/l	100
89) n-Butylbenzene	13.62	91	3127383	66.069	ug/l #	70
90) Hexachloroethane	13.89	117	310080	36.725	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14948	6.748	ug/l #	1

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Response via : Initial Calibration

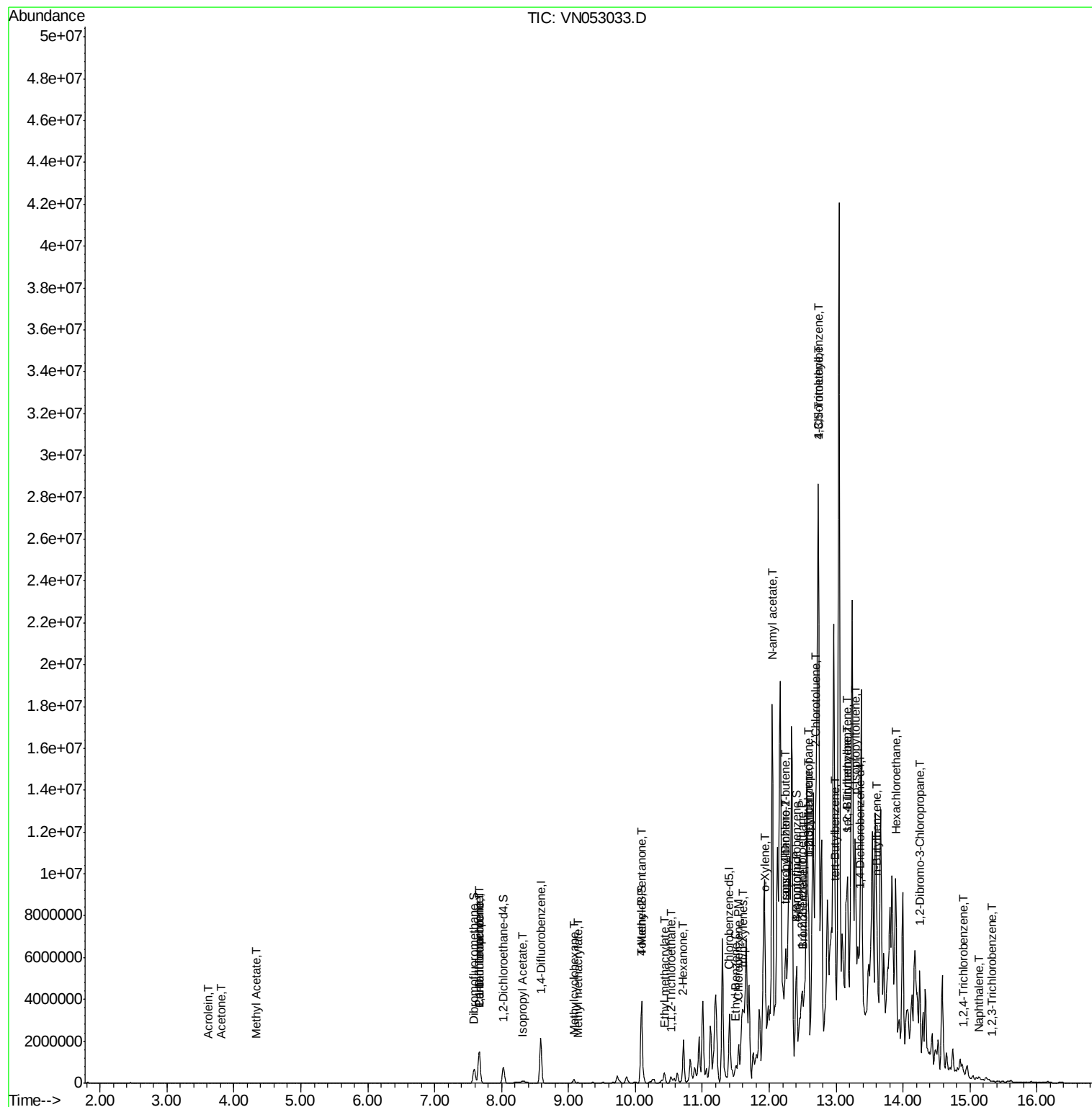
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1591	0.701	ug/l #	1
95) Naphthalene	15.13	128	121865	4.775	ug/l	95
96) 1,2,3-Trichlorobenzene	15.32	180	775	0.565	ug/l #	1

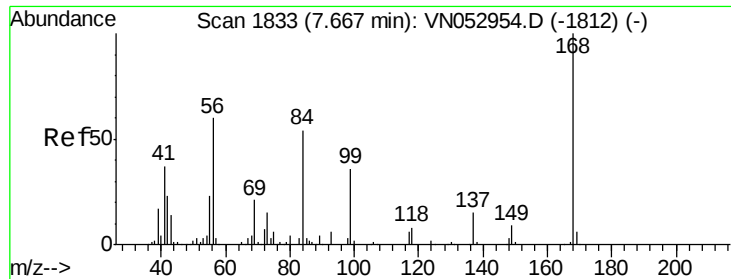
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

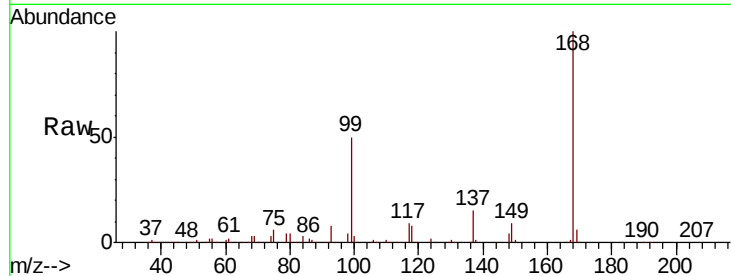
EP1-SBR-3A(17-18FT)1218

Tot Ion:168 Resp: 1350365

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

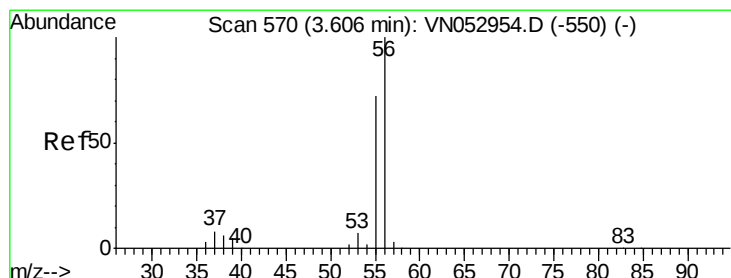
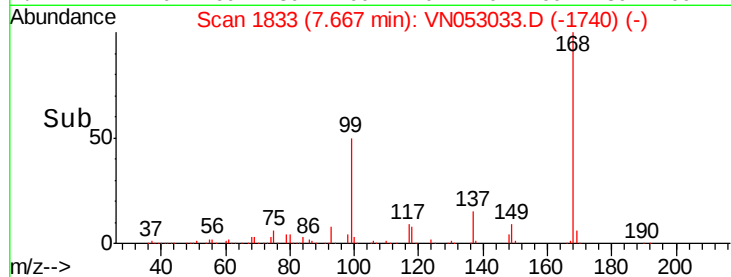
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.361 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053033.D

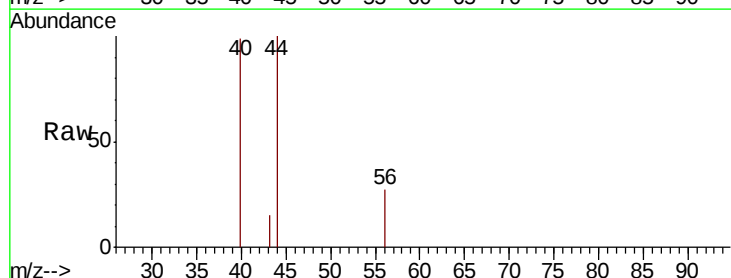
Acq: 20 Dec 2018 1:56

Tgt Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

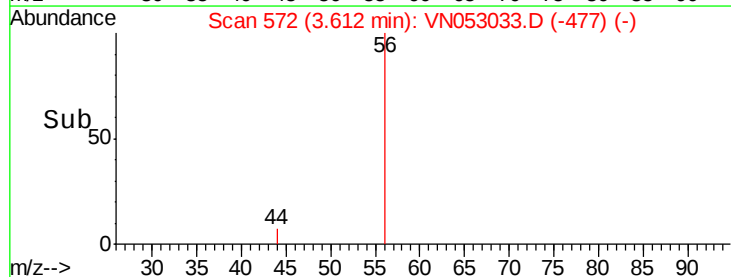
300

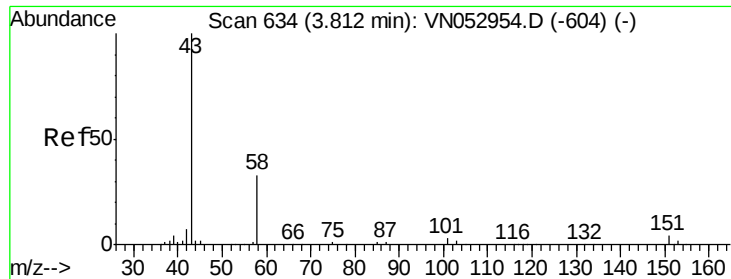
200

100

0

Time-->





#16

Acetone

Concen: 1.055 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

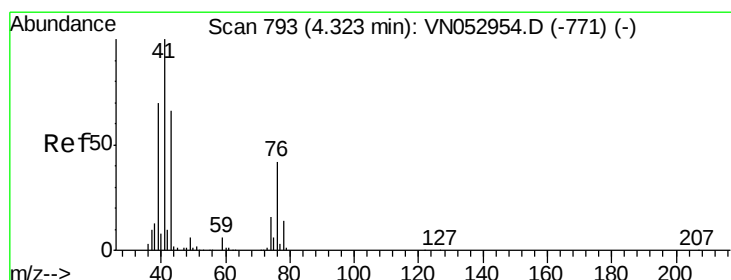
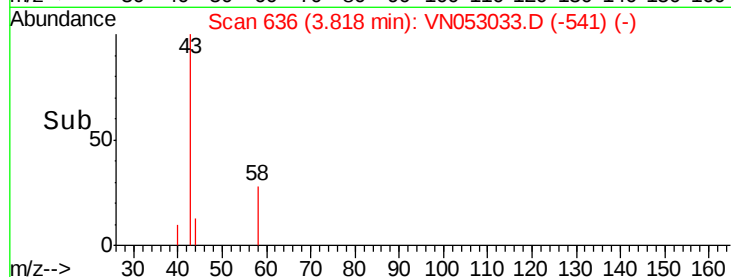
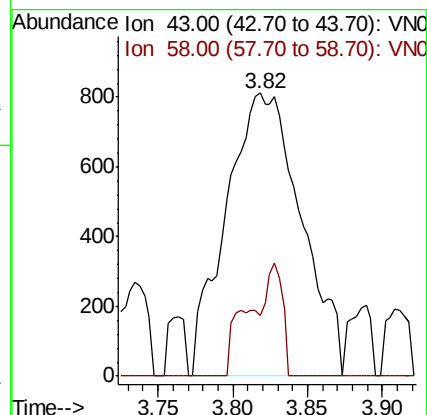
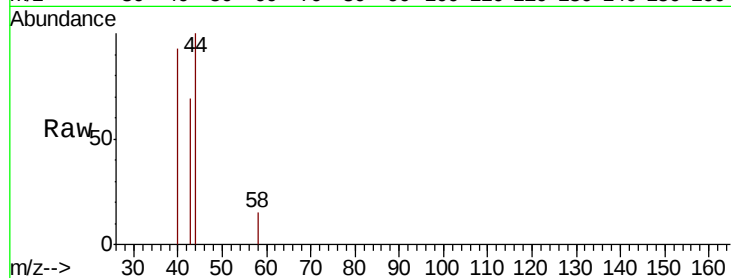
EP1-SBR-3A(17-18FT)1218

Tot Ion: 43 Resp: 2834

Ion Ratio Lower Upper

43 100

58 21.3 25.4 38.0#



#18

Methyl Acetate

Concen: 1.380 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053033.D

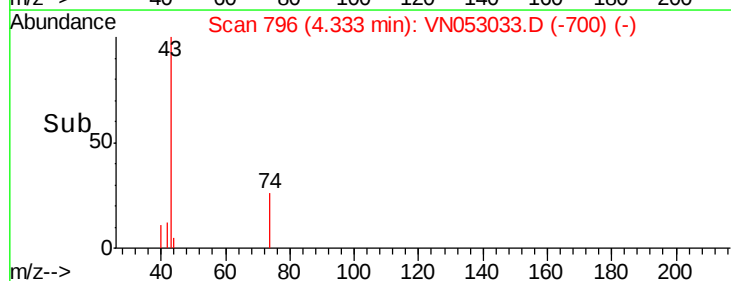
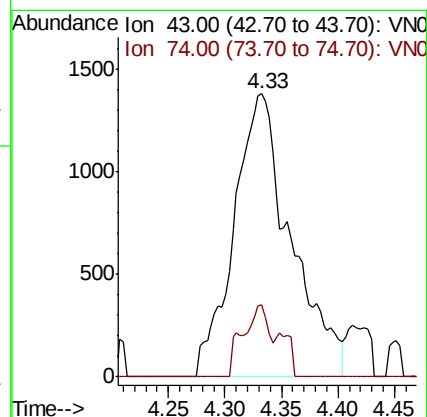
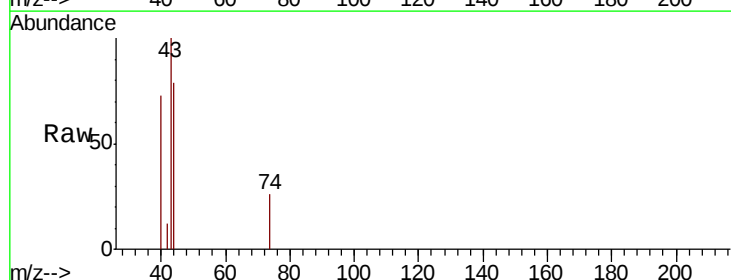
Acq: 20 Dec 2018 1:56

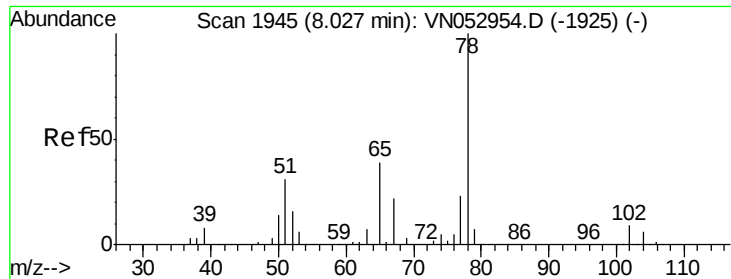
Tgt Ion: 43 Resp: 4828

Ion Ratio Lower Upper

43 100

74 11.8 19.2 28.8#

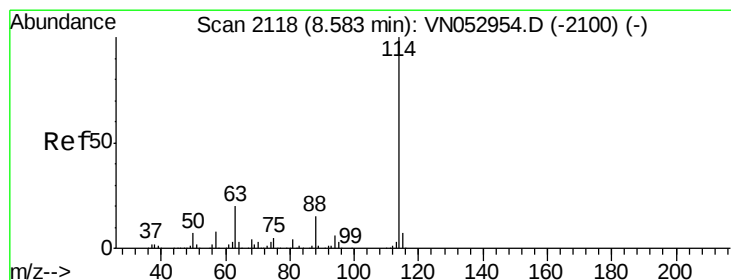
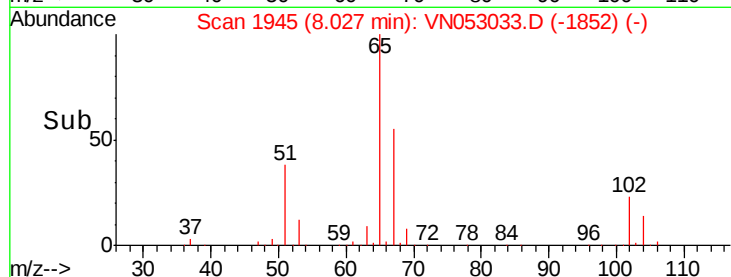
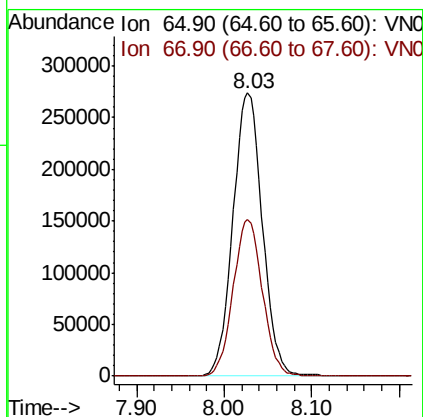
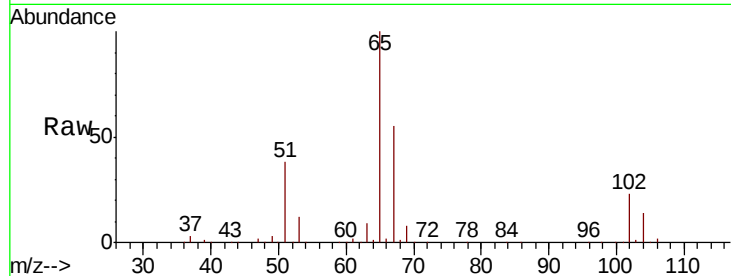




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053033.D
 Acq: 20 Dec 2018 1:56

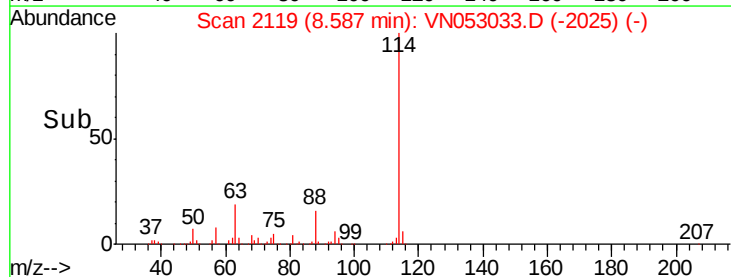
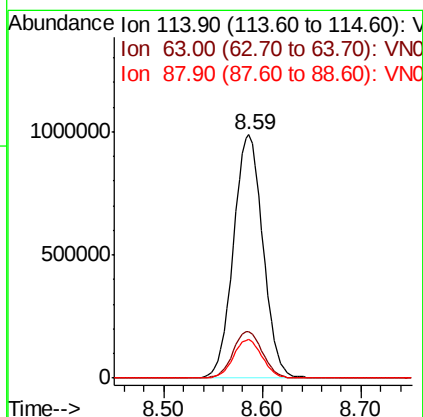
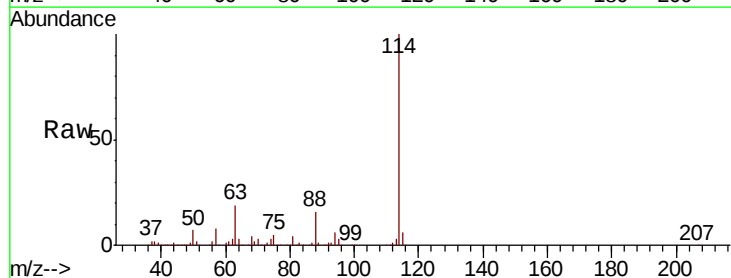
Instrument :
 MSVOA_N
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 EP1-SBR-3A(17-18FT)1218

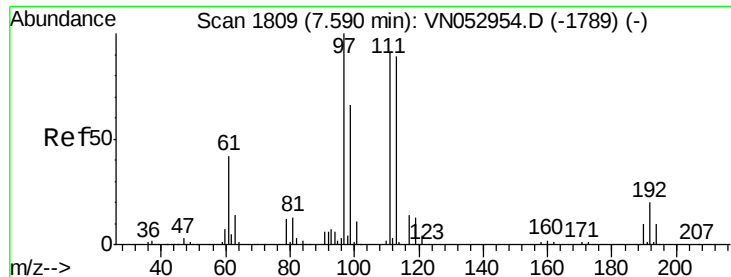
Tot Ion: 65 Resp: 640185
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053033.D
 Acq: 20 Dec 2018 1:56

Tgt Ion: 114 Resp: 2050456
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.8
 88 15.7 0.0 31.0

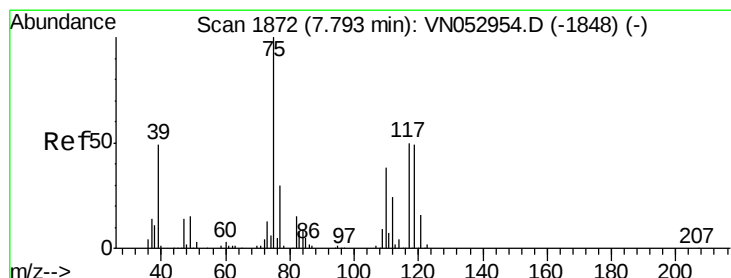
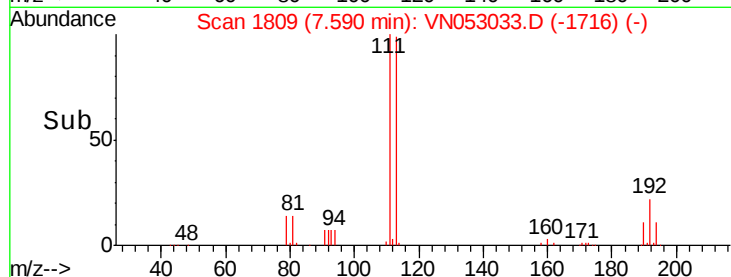
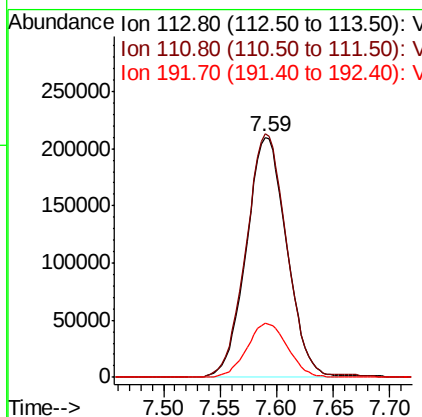
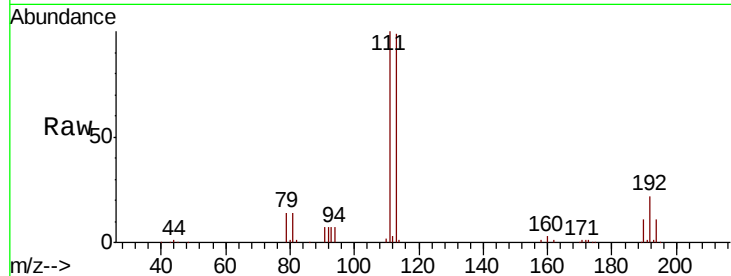




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053033.D
Acq: 20 Dec 2018 1:56

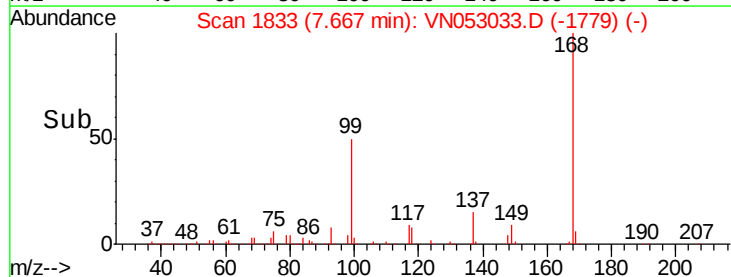
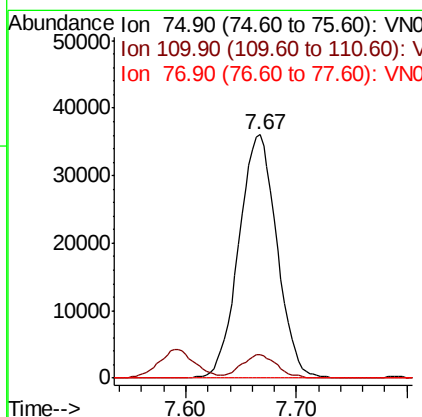
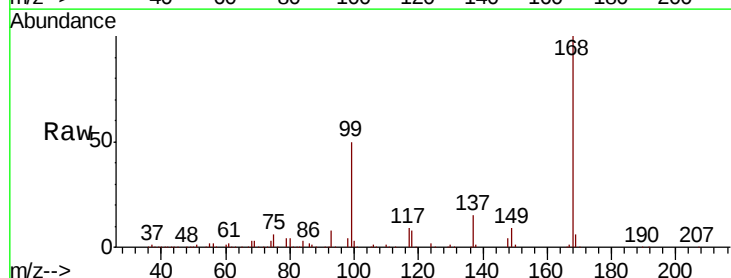
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ClientSampleId :
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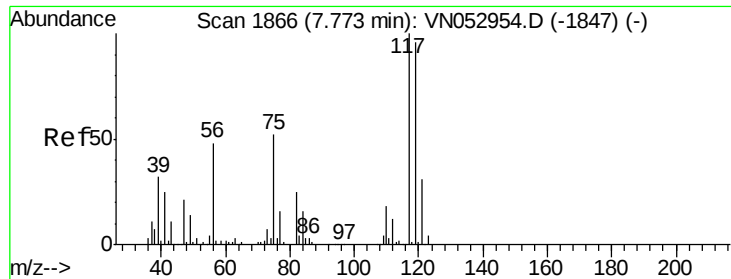
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.0	124.4
192	22.7	17.5	26.3



#36
1,1-Dichloropropene
Concen: 4.372 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN053033.D
Acq: 20 Dec 2018 1:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.345 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

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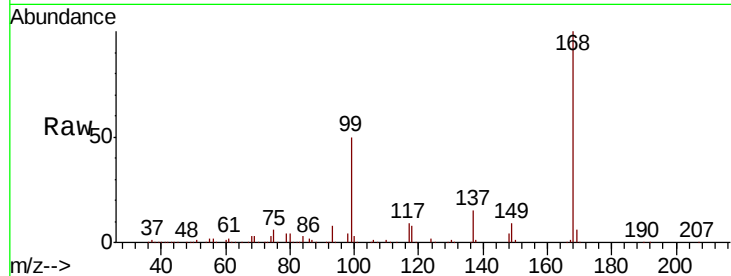
Tot Ion:117 Resp: 114452

Ion Ratio Lower Upper

117 100

119 4.8 77.1 115.7#

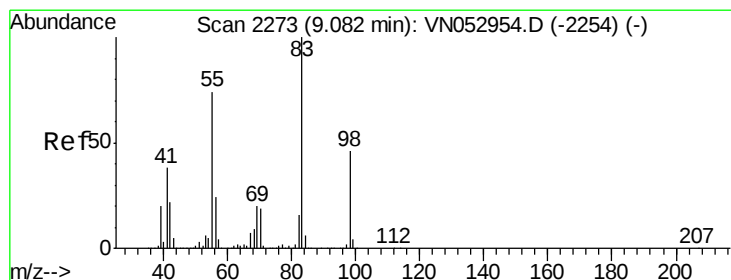
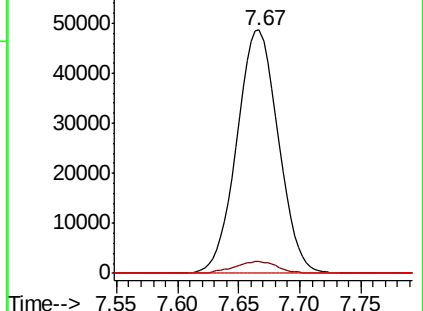
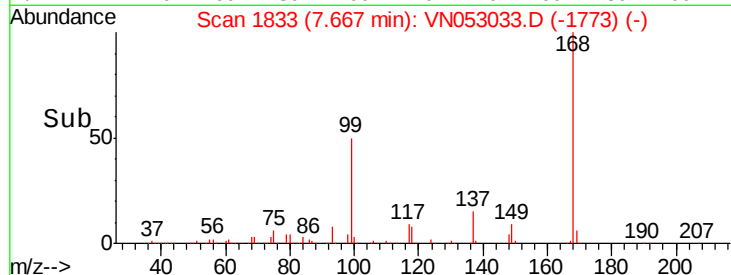
121 0.0 24.9 37.3#



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: 3.035 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

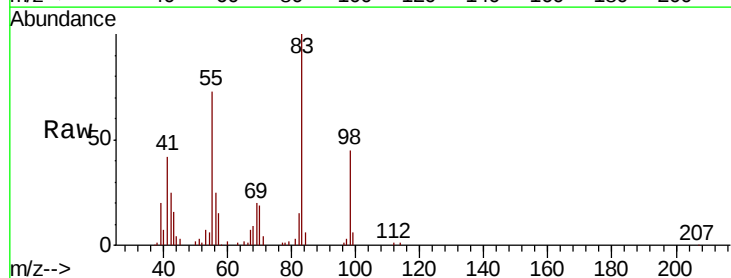
Tgt Ion: 83 Resp: 72570

Ion Ratio Lower Upper

83 100

55 73.4 61.3 91.9

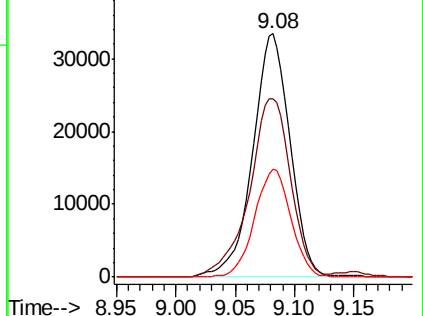
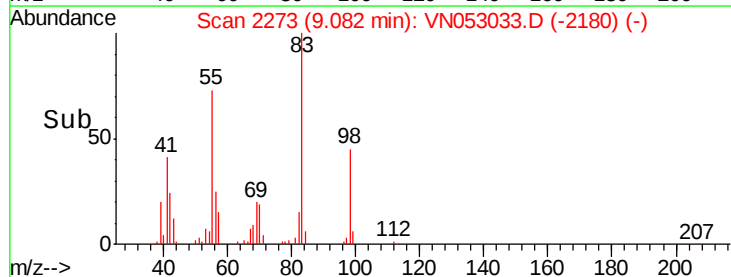
98 44.6 37.0 55.4

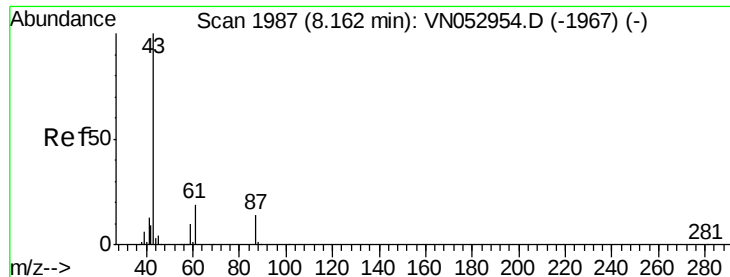


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#43

Isopropyl Acetate

Concen: 5.511 ug/l

RT: 8.32 min Scan# 2035

Delta R.T. 0.15 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

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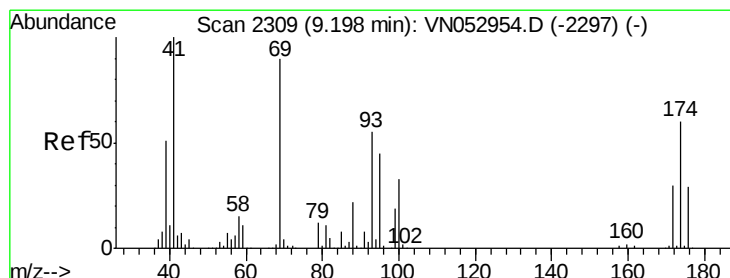
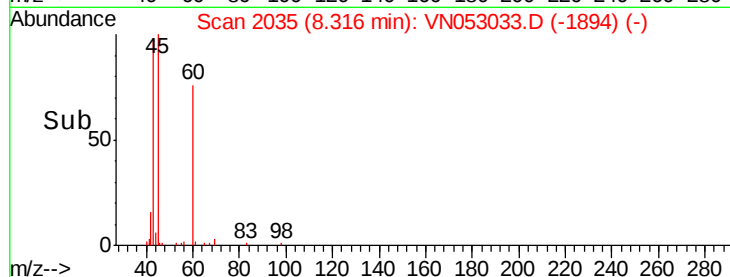
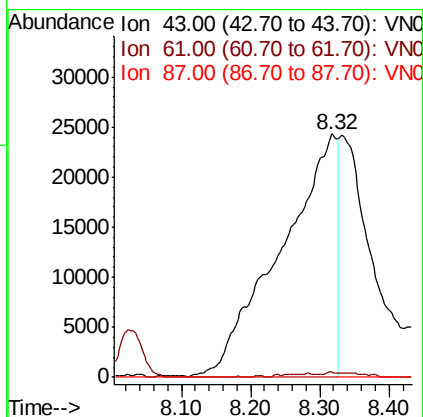
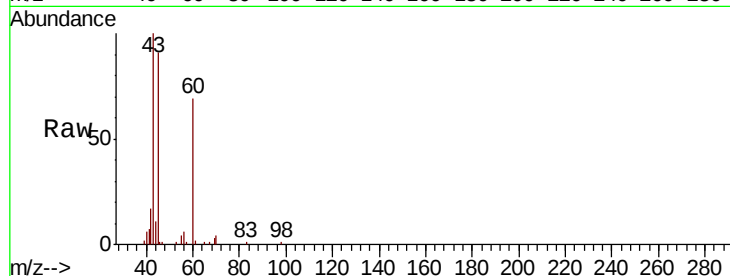
Tot Ion: 43 Resp: 136931

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



#48

Methyl methacrylate

Concen: 0.445 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.05 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

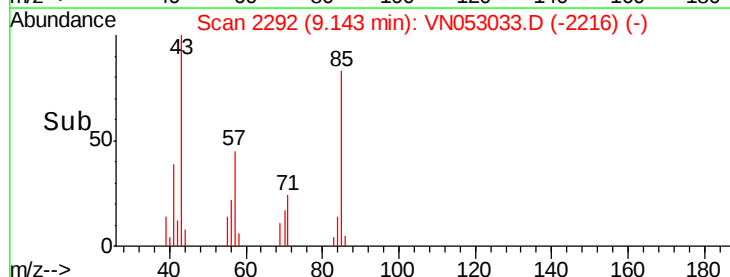
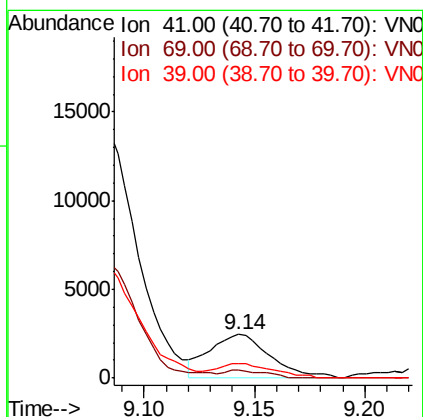
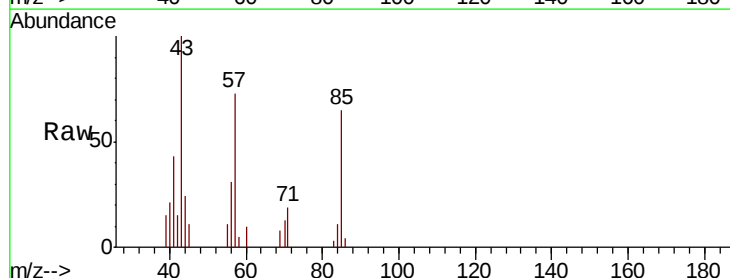
Tgt Ion: 41 Resp: 4744

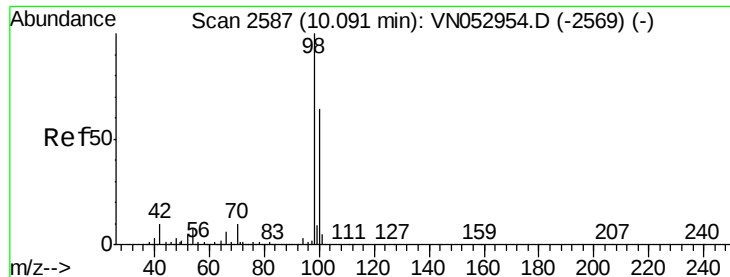
Ion Ratio Lower Upper

41 100

69 12.2 72.2 108.2#

39 30.8 41.9 62.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

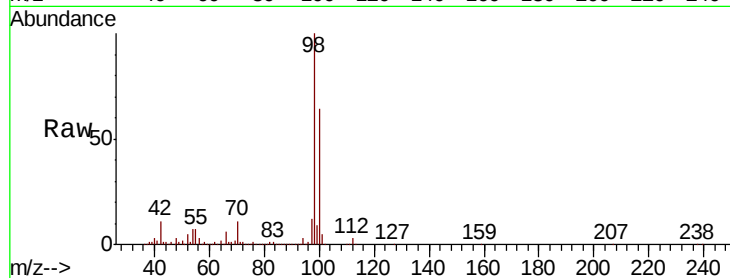
EP1-SBR-3A(17-18FT)1218

Tot Ion: 98 Resp: 2570489

Ion Ratio Lower Upper

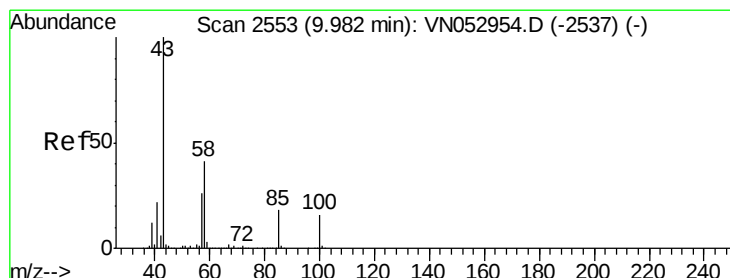
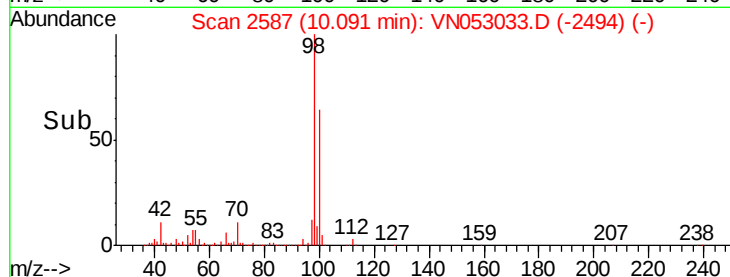
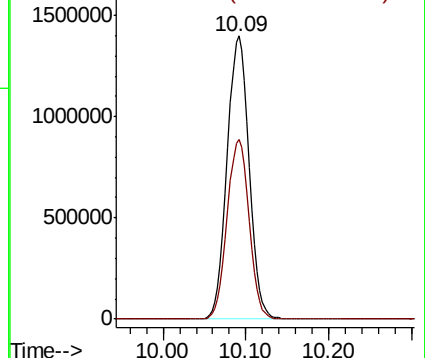
98 100

100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 2.463 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.11 min

Lab File: VN053033.D

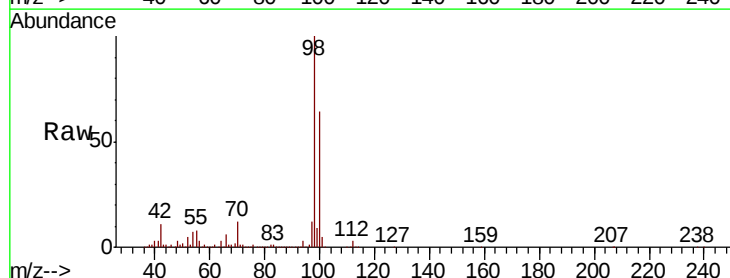
Acq: 20 Dec 2018 1:56

Tgt Ion: 43 Resp: 26203

Ion Ratio Lower Upper

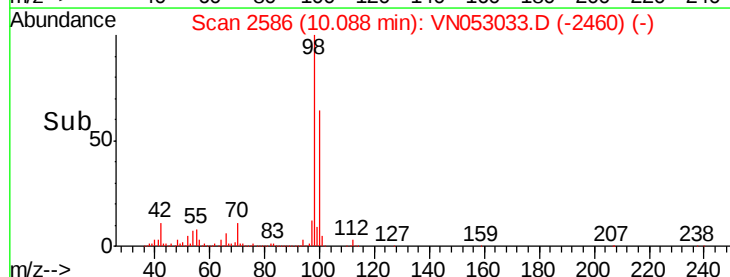
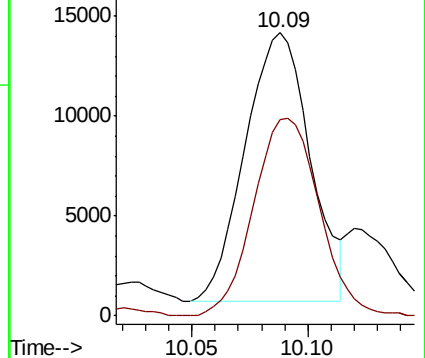
43 100

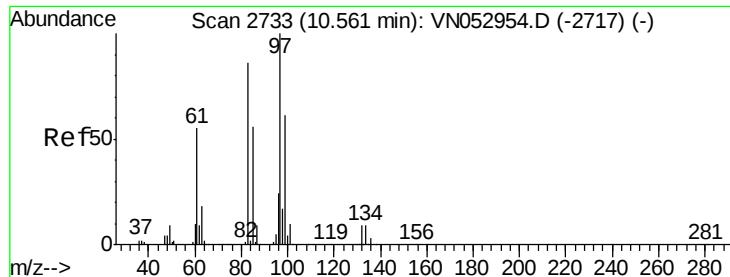
58 74.7 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

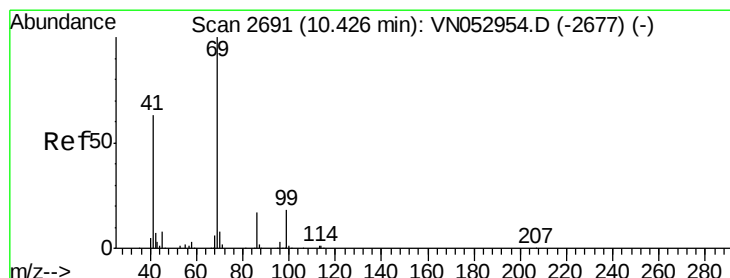
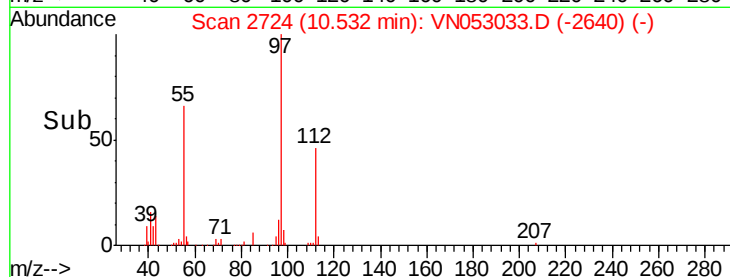
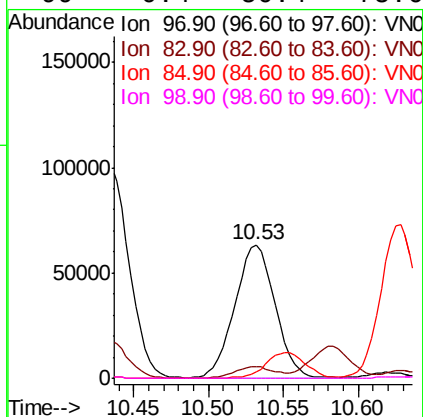
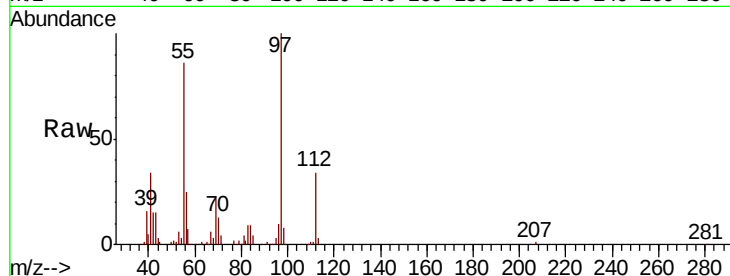




#55
 1,1,2-Trichloroethane
 Concen: 9.264 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN053033.D
 Acq: 20 Dec 2018 1:56

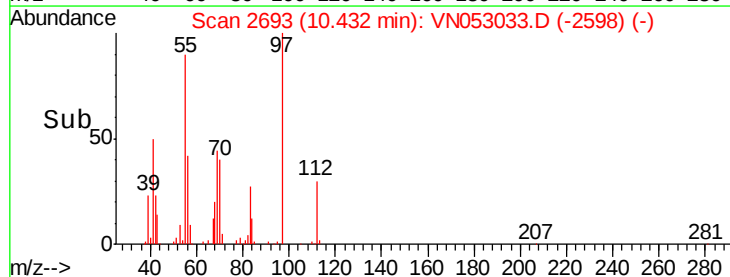
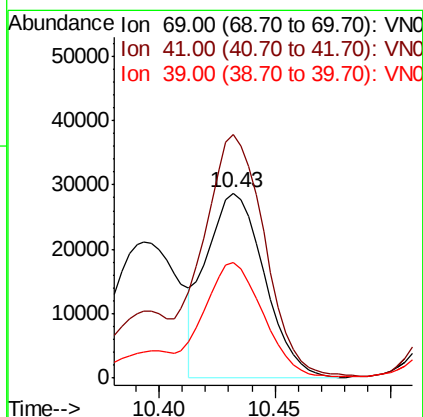
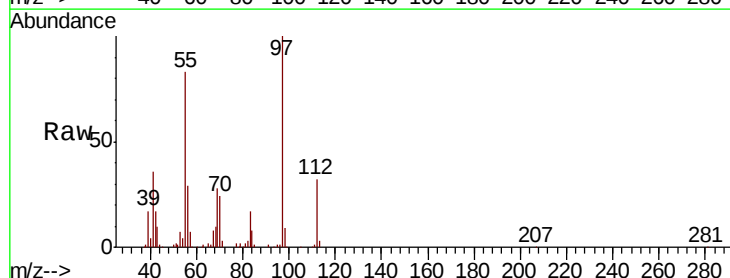
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3A(17-18FT)1218

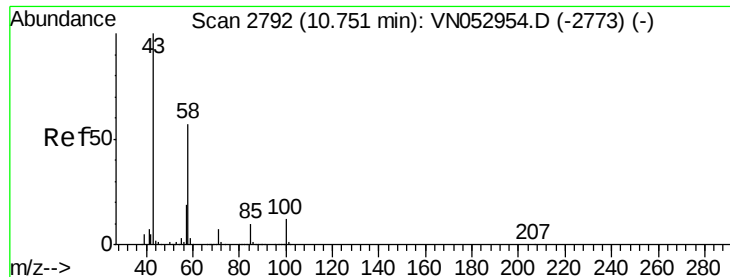
Tot Ion: 97 Resp: 117271
 Ion Ratio Lower Upper
 97 100
 83 8.8 70.9 106.3#
 85 4.4 45.4 68.2#
 99 0.4 50.4 75.6#



#56
 Ethyl methacrylate
 Concen: 2.996 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.01 min
 Lab File: VN053033.D
 Acq: 20 Dec 2018 1:56

Tgt Ion: 69 Resp: 50203
 Ion Ratio Lower Upper
 69 100
 41 137.0 51.7 77.5#
 39 62.7 24.6 37.0#

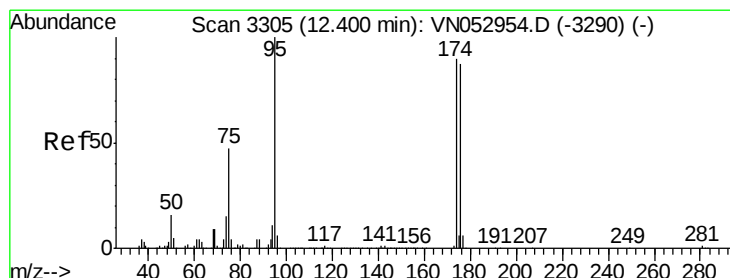
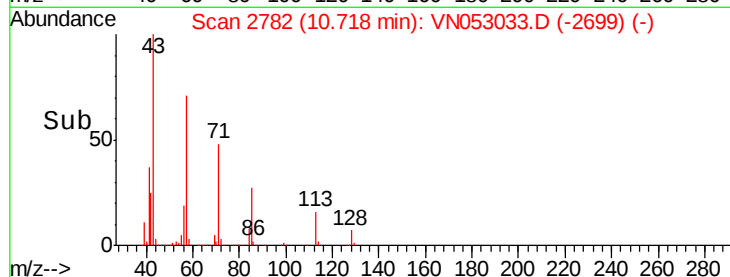
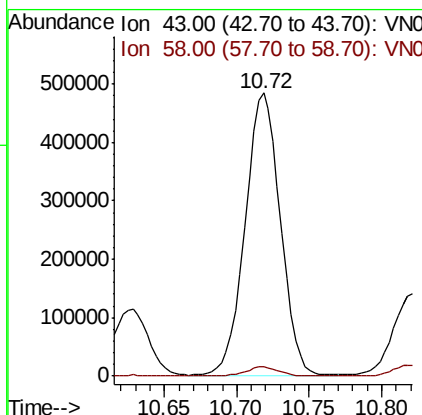
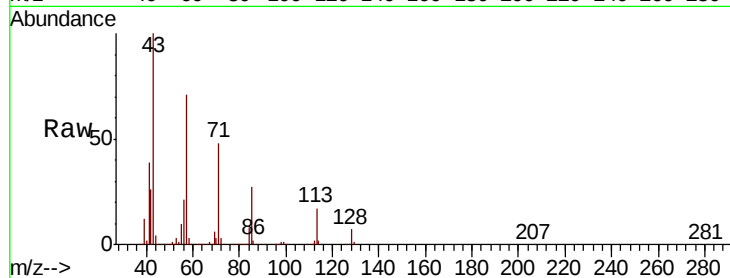




#59
2-Hexanone
Concen: 112.804 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053033.D
Acq: 20 Dec 2018 1:56

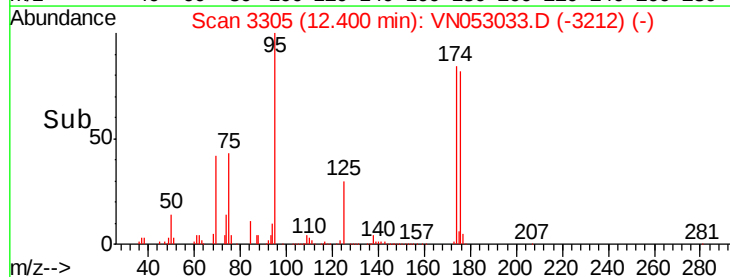
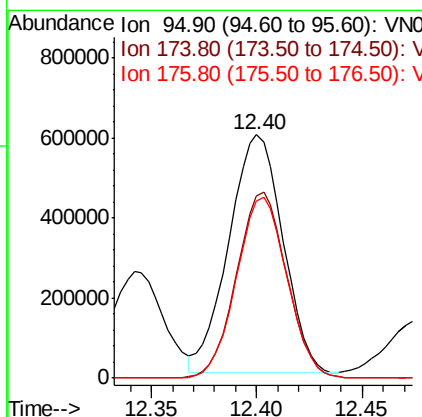
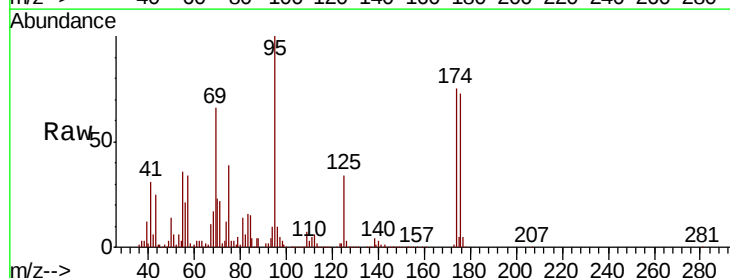
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3A(17-18FT)1218

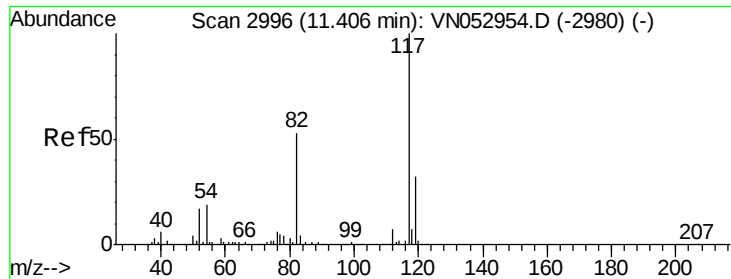
Tot Ion: 43 Resp: 812048
Ion Ratio Lower Upper
43 100
58 3.2 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053033.D
Acq: 20 Dec 2018 1:56

Tgt Ion: 95 Resp: 1057088
Ion Ratio Lower Upper
95 100
174 72.9 0.0 178.8
176 71.2 0.0 173.8

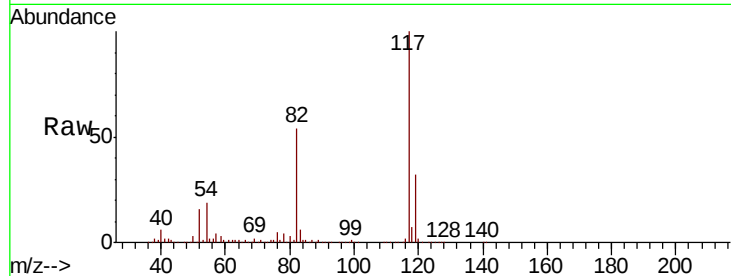




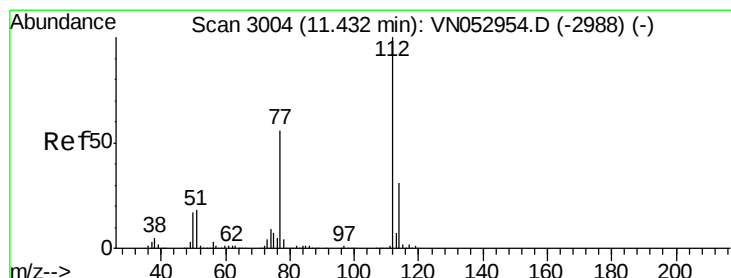
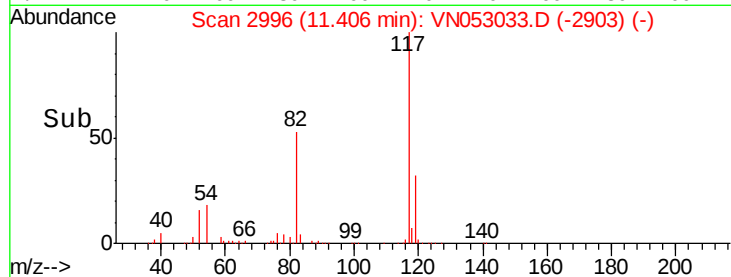
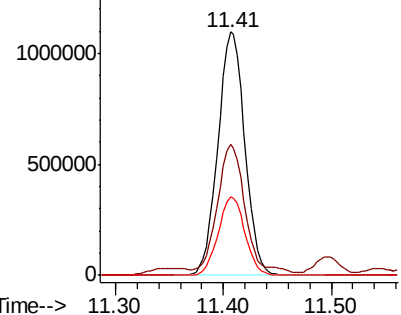
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053033.D
Acq: 20 Dec 2018 1:56

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3A(17-18FT)1218

Tot Ion:117 Resp: 1904078
Ion Ratio Lower Upper
117 100
82 50.9 42.8 64.2
119 32.1 25.5 38.3

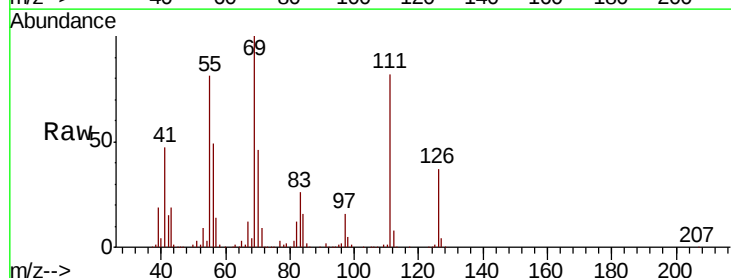


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

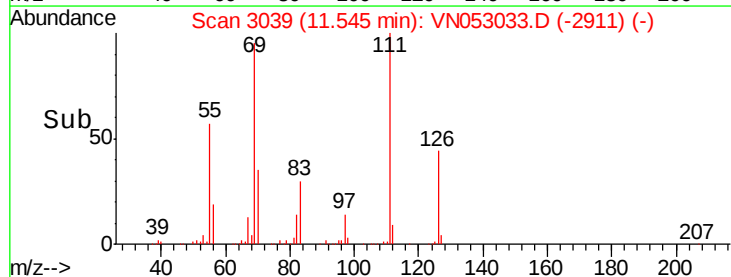
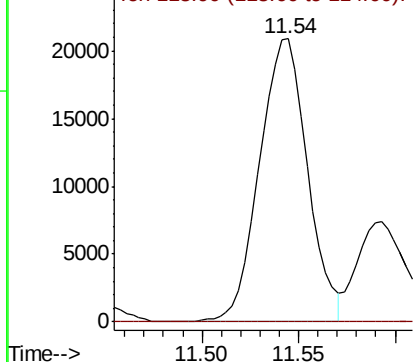


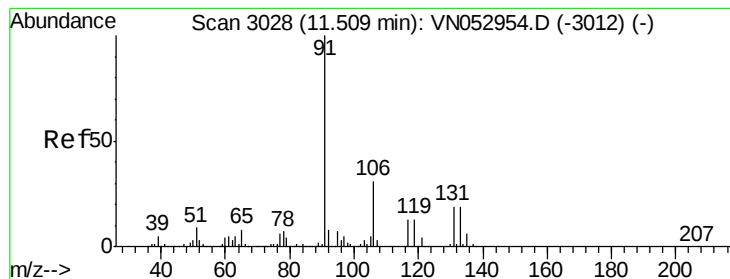
#65
Chlorobenzene
Concen: 0.853 ug/l
RT: 11.54 min Scan# 3039
Delta R.T. 0.11 min
Lab File: VN053033.D
Acq: 20 Dec 2018 1:56

Tgt Ion:112 Resp: 36024
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 3.865 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

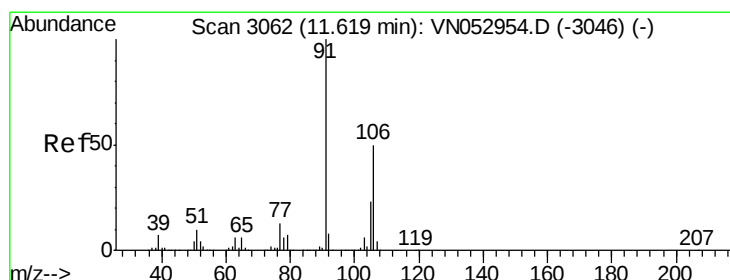
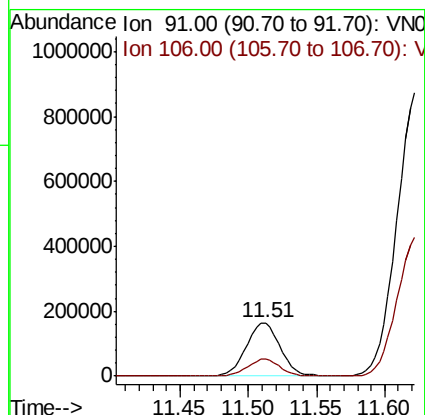
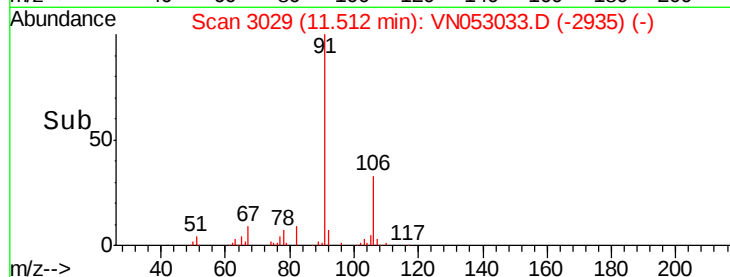
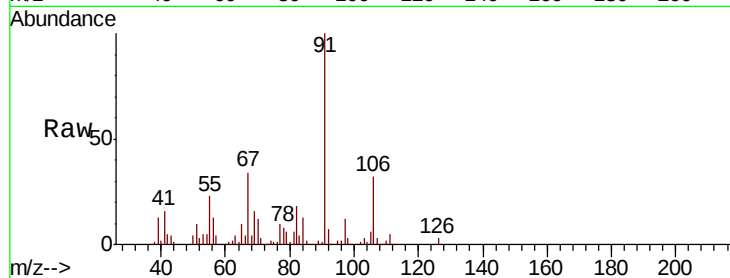
EP1-SBR-3A(17-18FT)1218

Tot Ion: 91 Resp: 280546

Ion Ratio Lower Upper

91 100

106 31.8 24.9 37.3



#68

m/p-Xylenes

Concen: 29.939 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053033.D

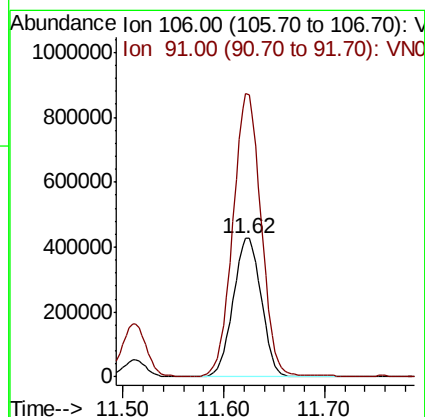
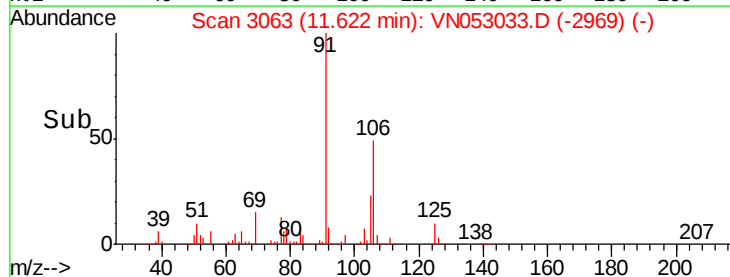
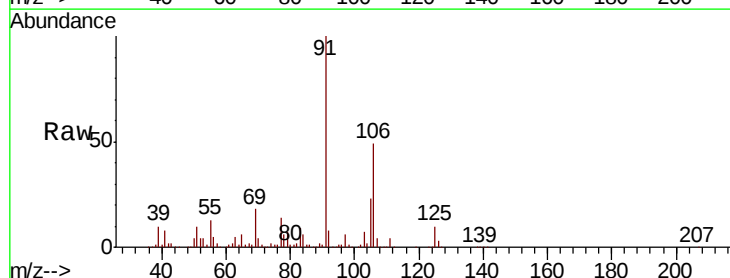
Acq: 20 Dec 2018 1:56

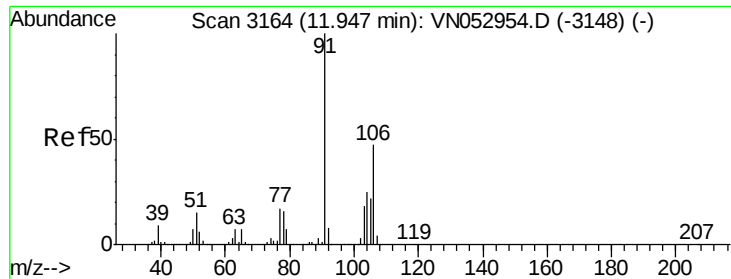
Tgt Ion: 106 Resp: 826141

Ion Ratio Lower Upper

106 100

91 203.9 162.2 243.4

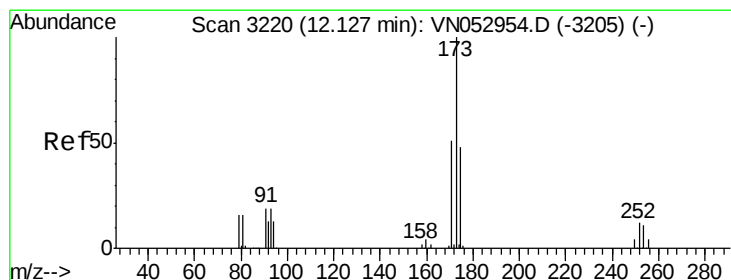
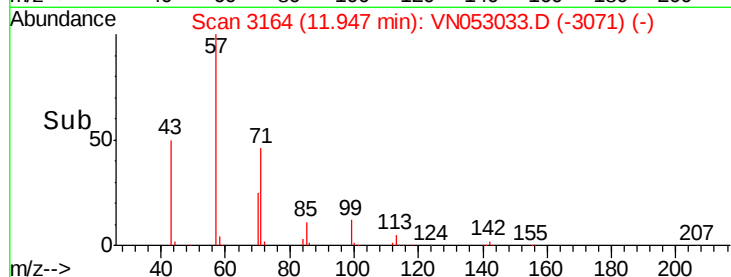
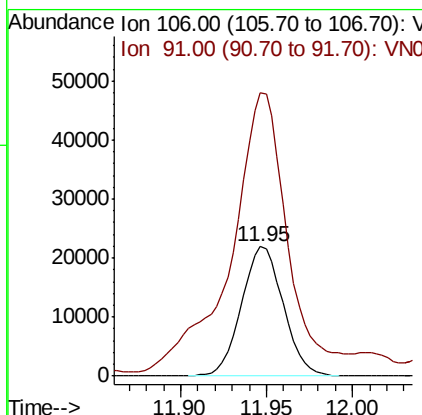
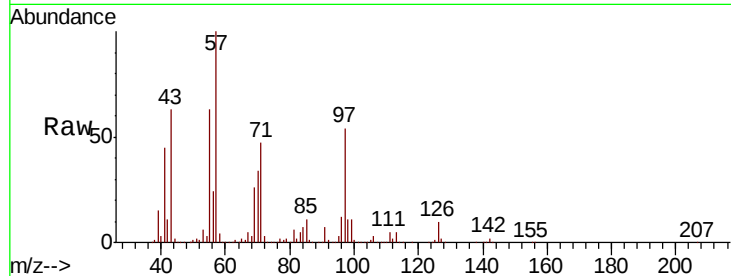




#69
o-Xylene
Concen: 1.397 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053033.D
Acq: 20 Dec 2018 1:56

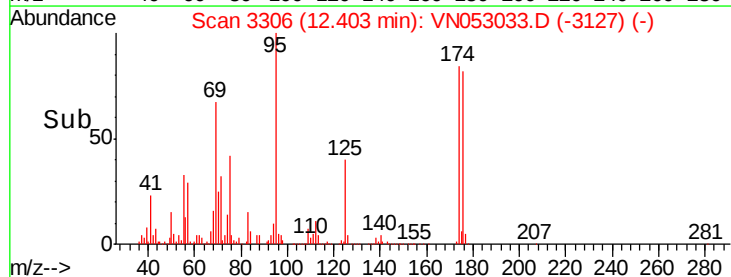
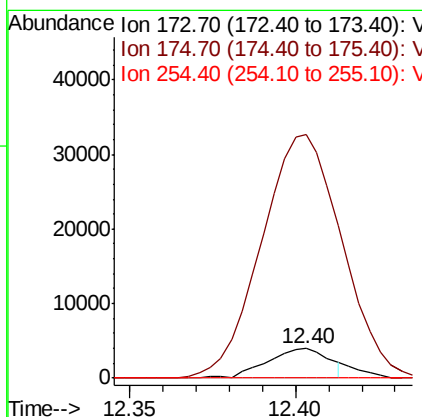
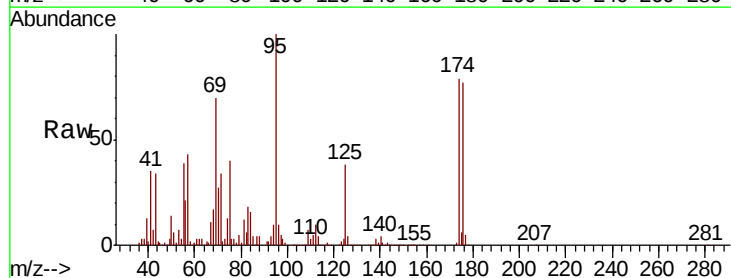
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3A(17-18FT)1218

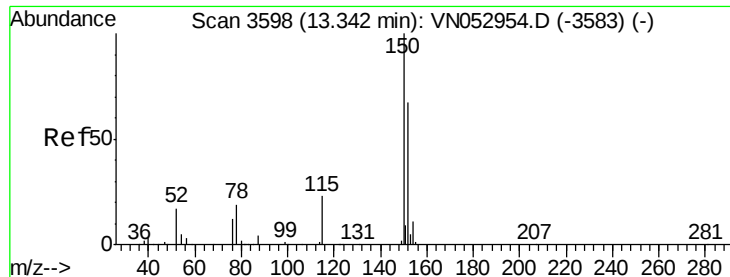
Tot Ion:106 Resp: 36989
Ion Ratio Lower Upper
106 100
91 290.9 106.6 319.8



#71
Bromoform
Concen: 0.482 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053033.D
Acq: 20 Dec 2018 1:56

Tgt Ion:173 Resp: 5115
Ion Ratio Lower Upper
173 100
175 935.6 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-3A(17-18FT)1218

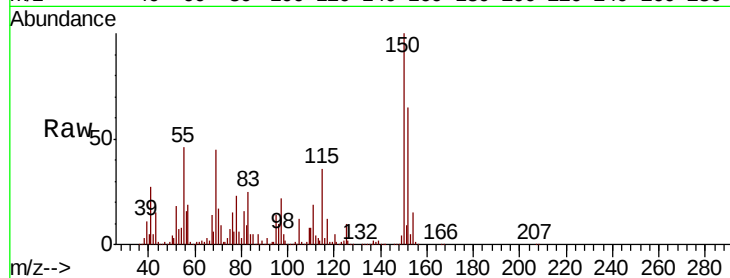
Tot Ion:152 Resp: 834661

Ion Ratio Lower Upper

152 100

115 51.9 28.3 85.0

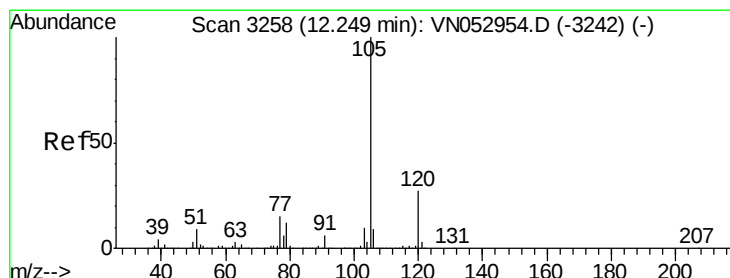
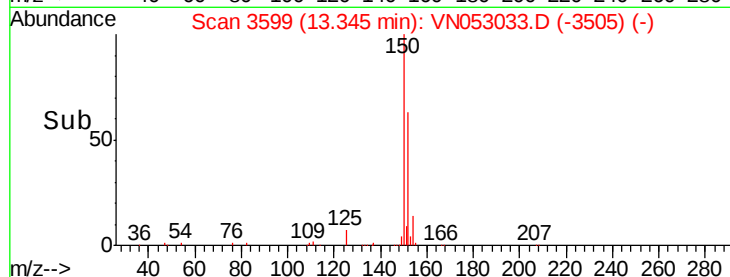
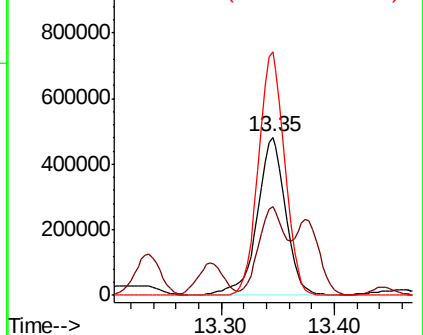
150 143.0 0.0 347.8



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: 24.406 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053033.D

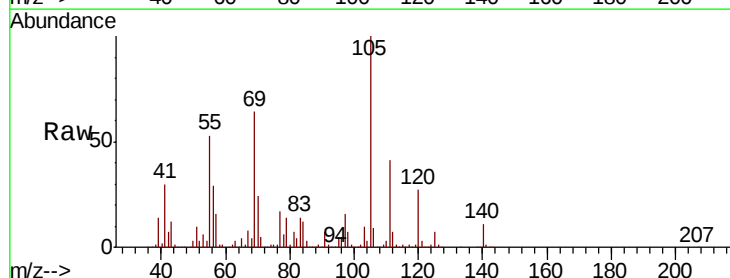
Acq: 20 Dec 2018 1:56

Tgt Ion:105 Resp: 1593840

Ion Ratio Lower Upper

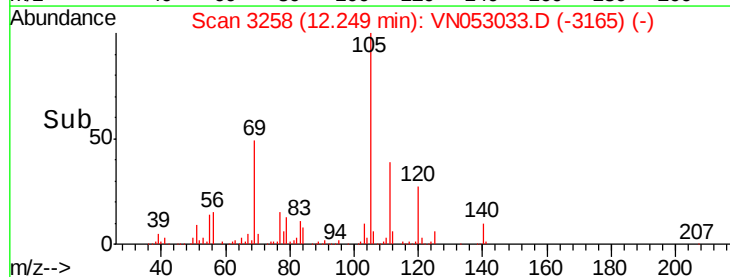
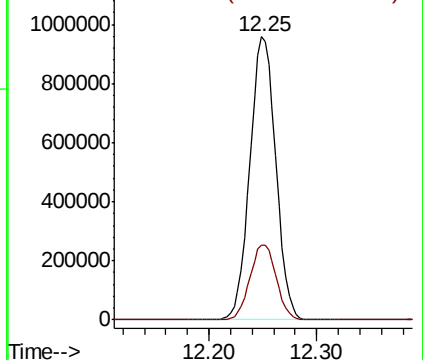
105 100

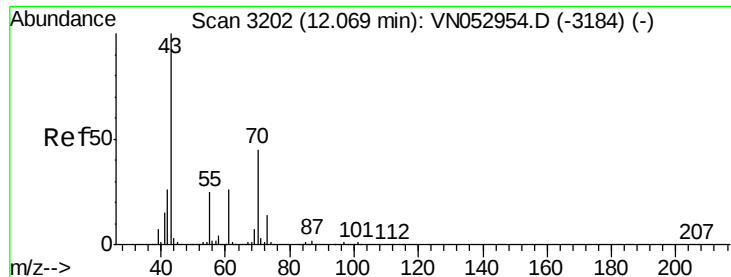
120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 190.769 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-3A(17-18FT)1218

Tot Ion: 43 Resp: 3458828

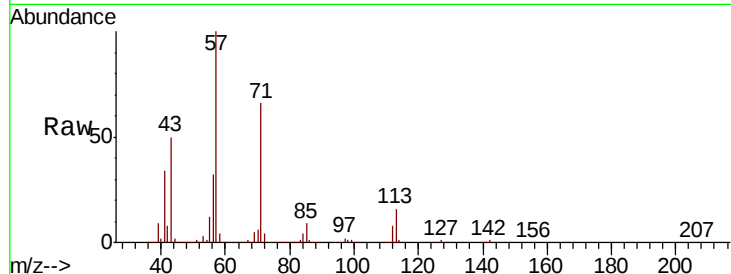
Ion Ratio Lower Upper

43 100

70 10.4 34.2 51.4#

55 18.6 20.3 30.5#

61 0.0 20.0 30.0#

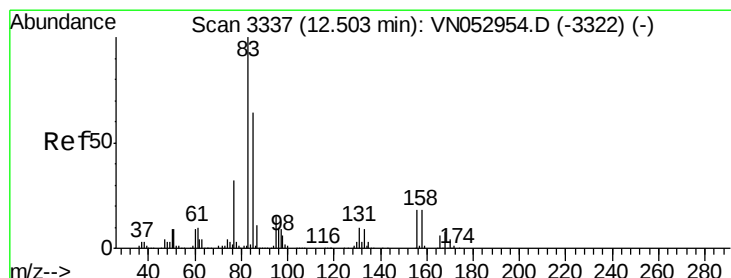
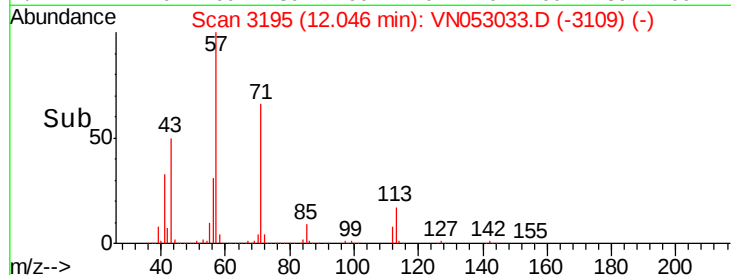
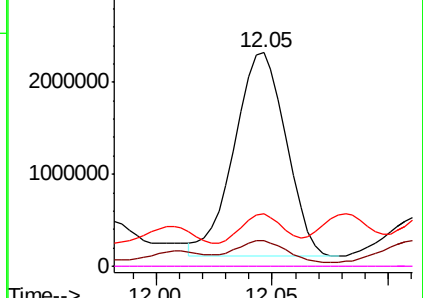


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 18.566 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.03 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

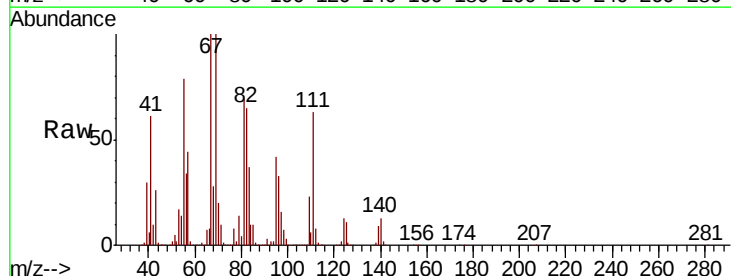
Tgt Ion: 83 Resp: 237862

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

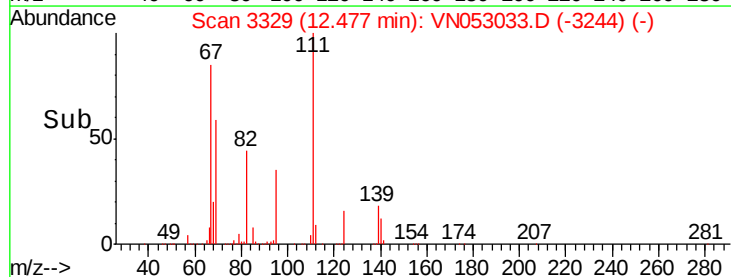
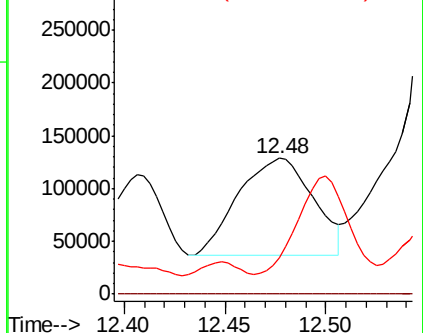
85 0.0 32.4 97.0#

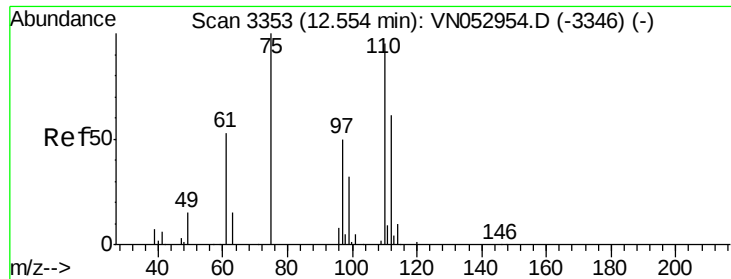


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1.826 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

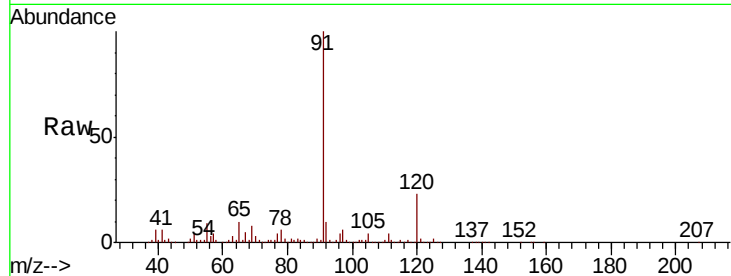
EP1-SBR-3A(17-18FT)1218

Tot Ion: 75 Resp: 25659

Ion Ratio Lower Upper

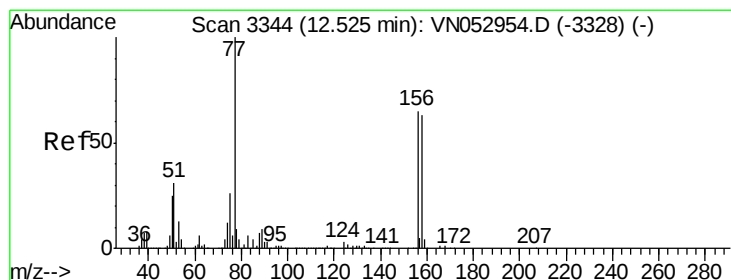
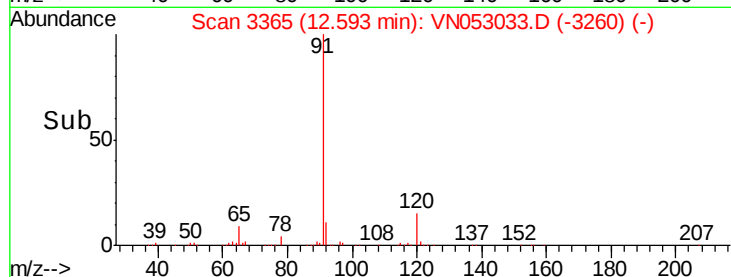
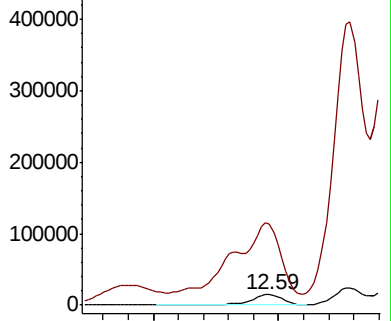
75 100

77 536.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN052954.D (-3346) (-)



#77

Bromobenzene

Concen: 0.263 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.02 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

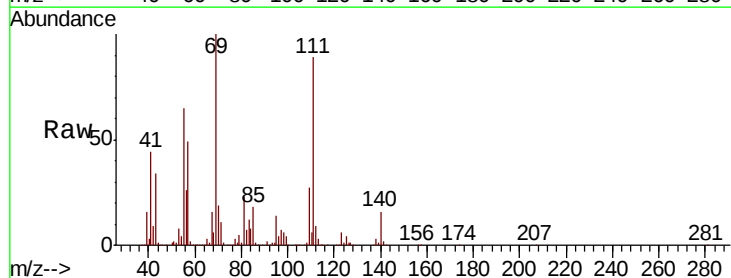
Tgt Ion: 156 Resp: 4469

Ion Ratio Lower Upper

156 100

77 0.0 91.3 273.8#

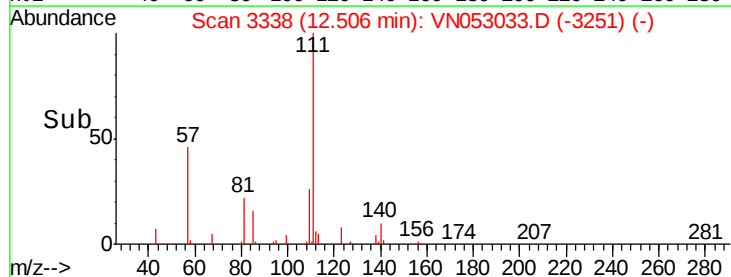
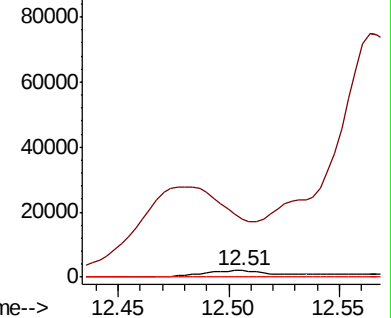
158 1.5 49.0 147.2#

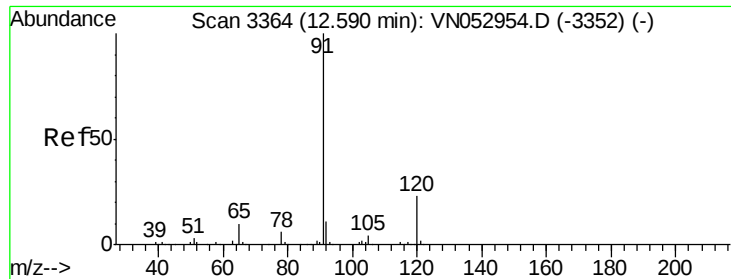


Abundance Ion 155.80 (155.50 to 156.50): VN052954.D (-3328) (-)

Ion 77.00 (76.70 to 77.70): VN052954.D (-3328) (-)

Ion 157.80 (157.50 to 158.50): VN052954.D (-3328) (-)





#78

n-propylbenzene

Concen: 59.788 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

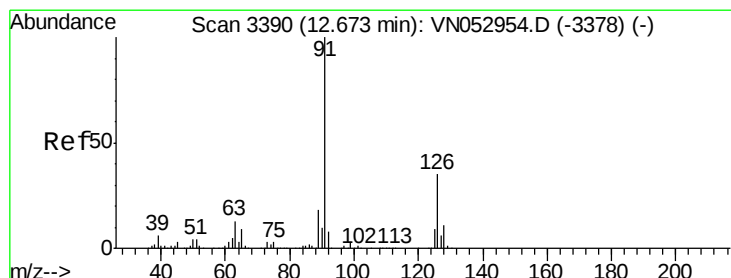
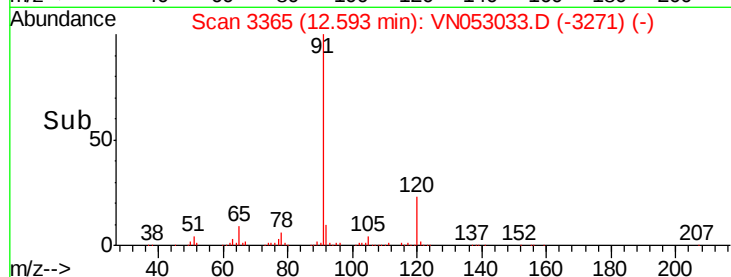
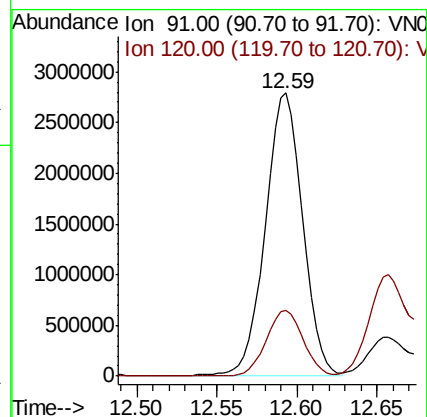
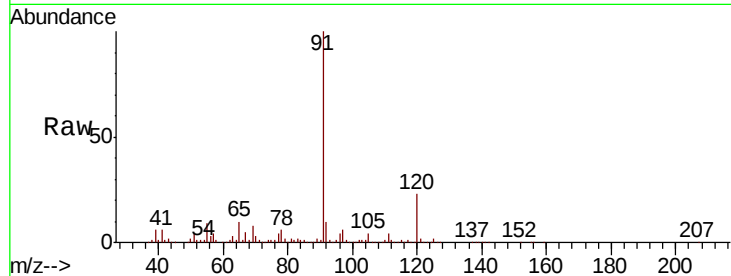
EP1-SBR-3A(17-18FT)1218

Tot Ion: 91 Resp: 4446830

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5



#79

2-Chlorotoluene

Concen: 10.123 ug/l

RT: 12.69 min Scan# 3395

Delta R.T. 0.02 min

Lab File: VN053033.D

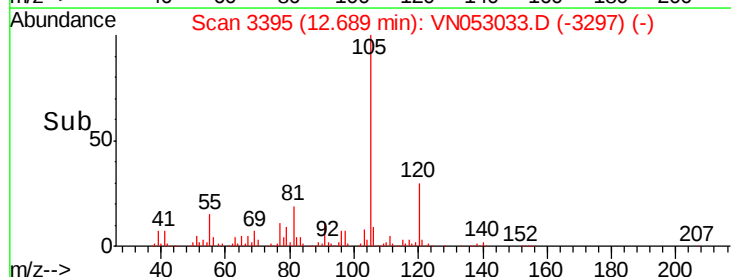
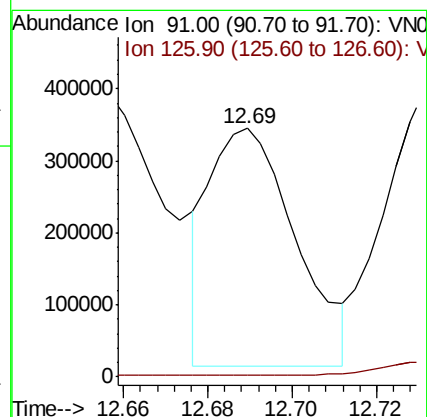
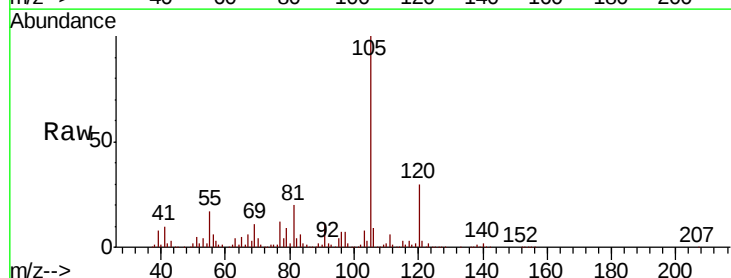
Acq: 20 Dec 2018 1:56

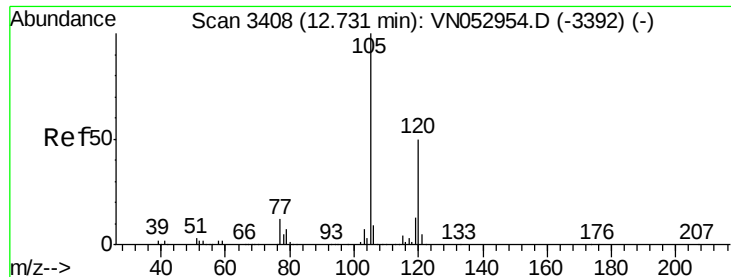
Tgt Ion: 91 Resp: 466675

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#





#80

1,3,5-Trimethylbenzene

Concen: 110.666 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

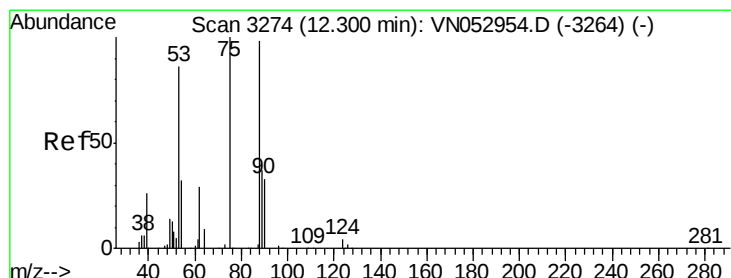
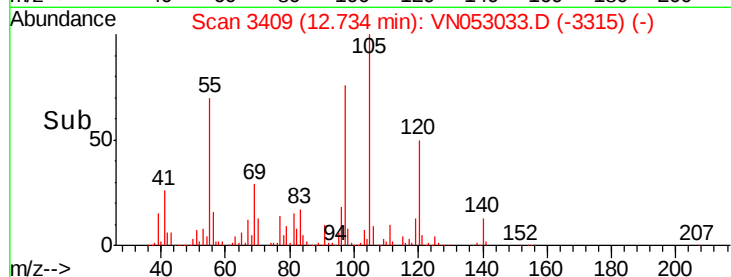
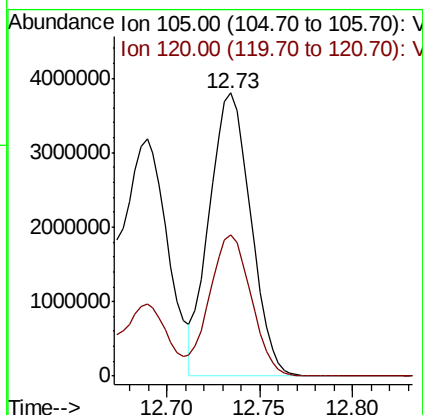
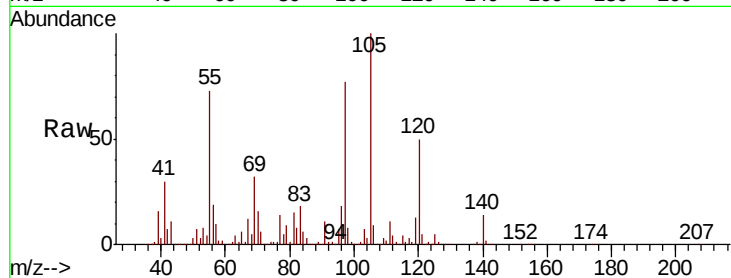
EP1-SBR-3A(17-18FT)1218

Tot Ion:105 Resp: 5890651

Ion Ratio Lower Upper

105 100

120 50.7 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 3.827 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

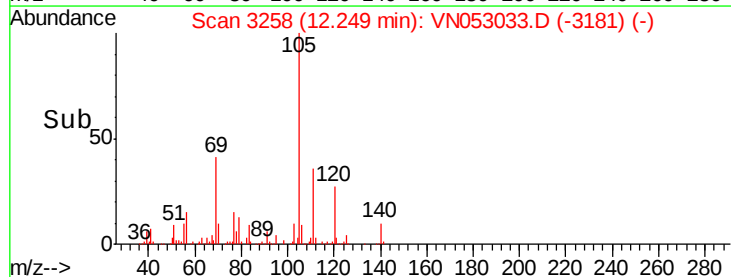
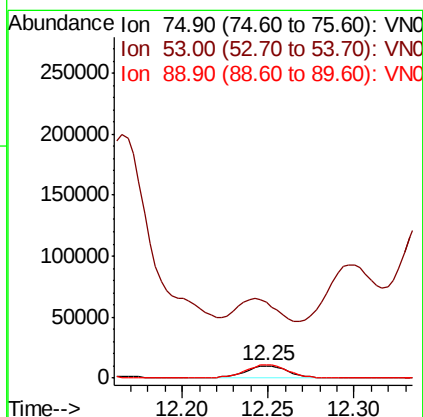
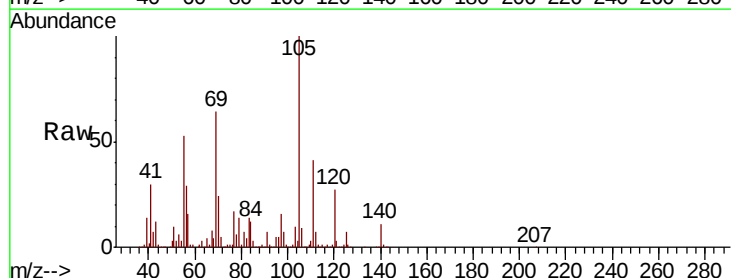
Tgt Ion: 75 Resp: 16682

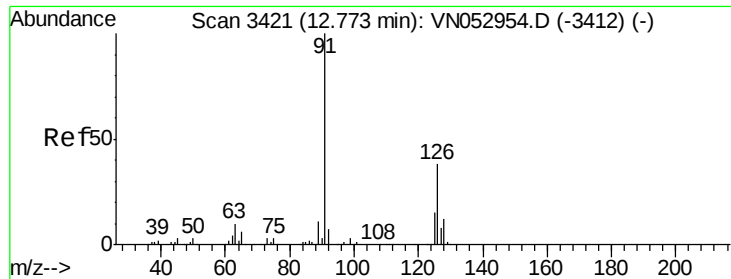
Ion Ratio Lower Upper

75 100

53 233.5 74.7 112.1#

89 105.9 36.1 54.1#





#82

4-Chlorotoluene

Concen: 13.280 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

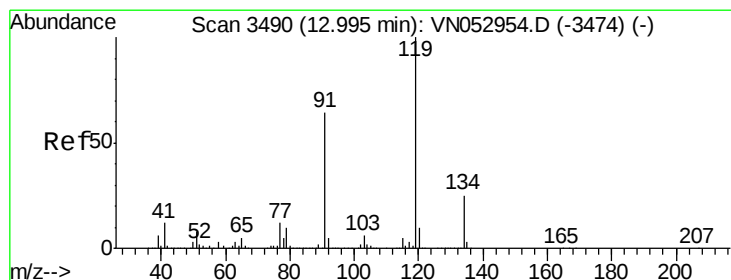
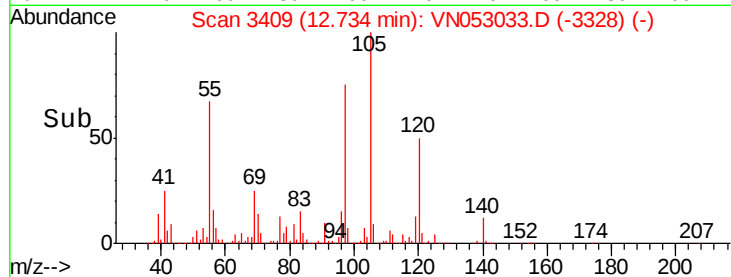
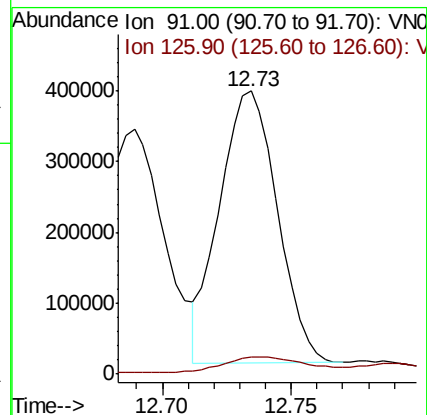
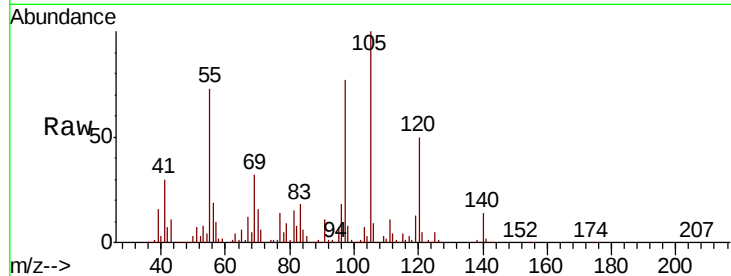
EP1-SBR-3A(17-18FT)1218

Tot Ion: 91 Resp: 599303

Ion Ratio Lower Upper

91 100

126 8.6 17.3 51.7#



#83

tert-Butylbenzene

Concen: 6.080 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

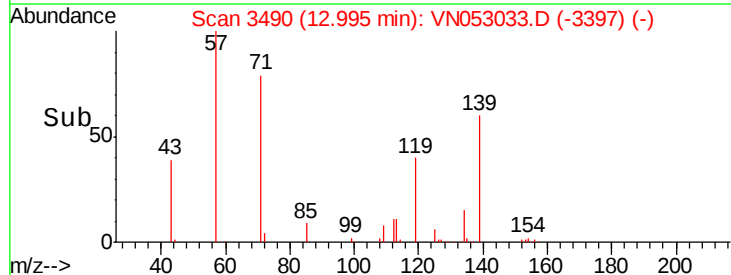
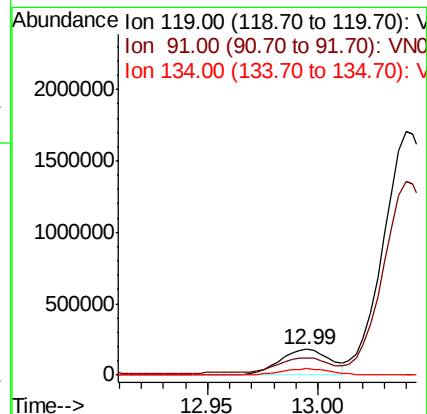
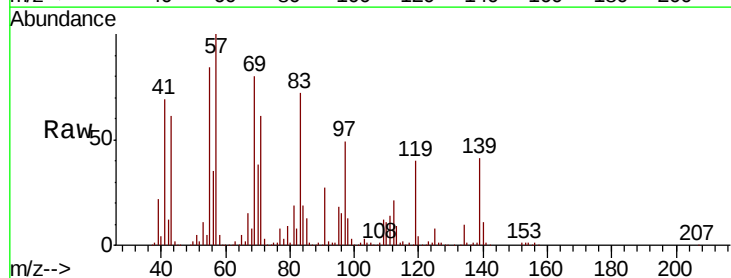
Tgt Ion: 119 Resp: 286211

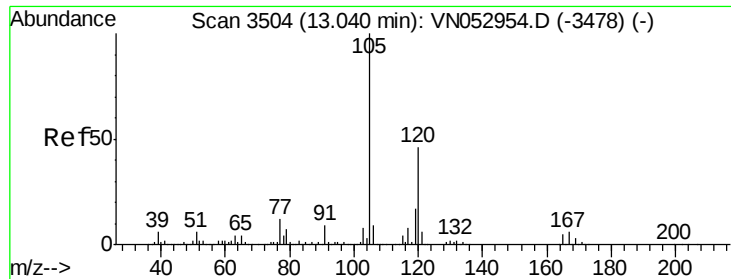
Ion Ratio Lower Upper

119 100

91 71.9 31.9 95.5

134 25.0 12.8 38.4

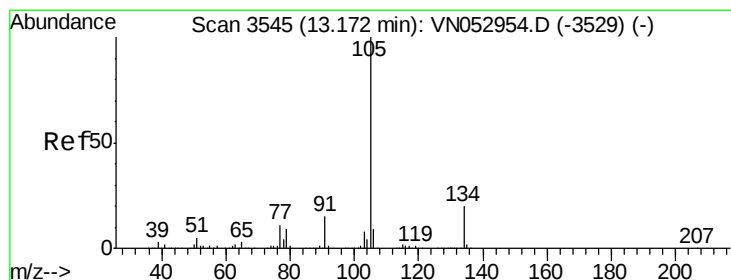
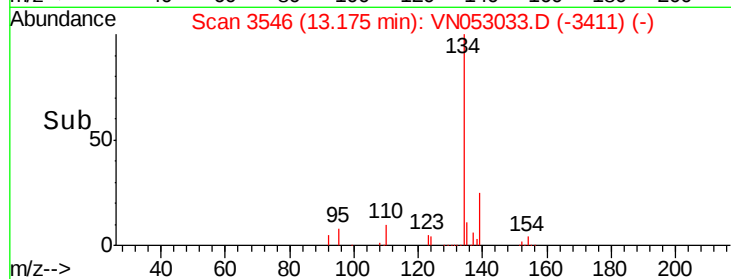
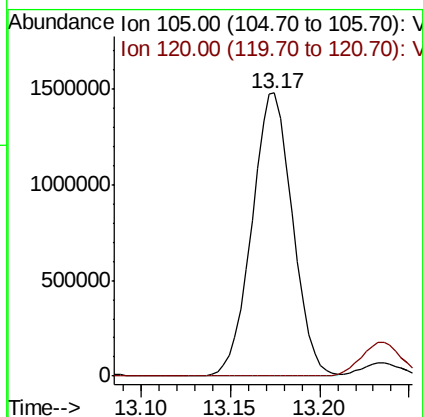
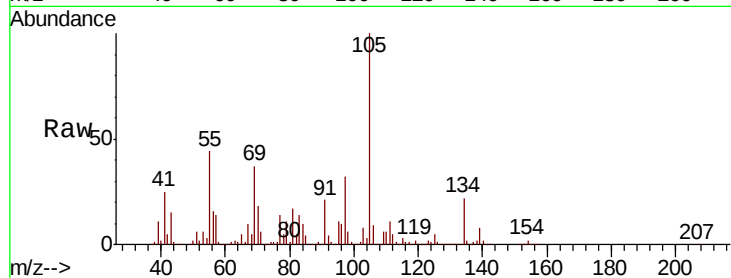




#84
 1,2,4-Trimethylbenzene
 Concen: 43.874 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.13 min
 Lab File: VN053033.D
 Acq: 20 Dec 2018 1:56

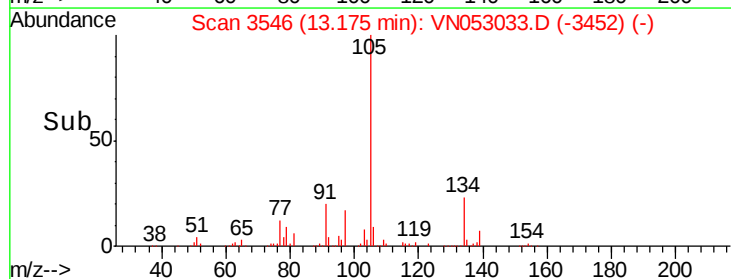
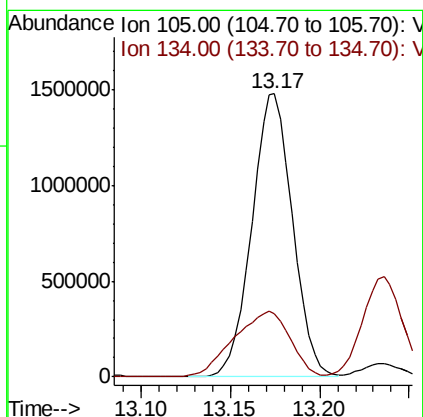
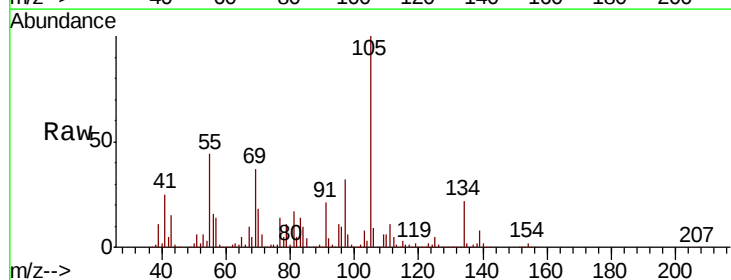
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3A(17-18FT)1218

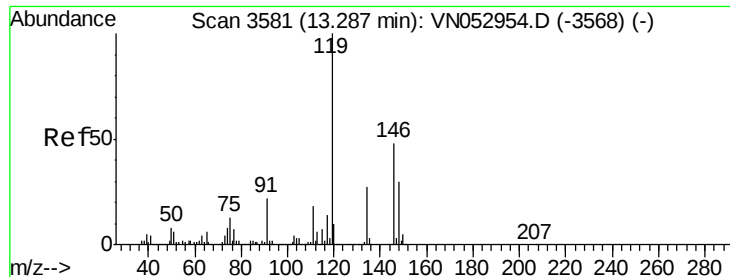
Tot Ion:105 Resp: 2347725
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 68.8#



#85
 sec-Butylbenzene
 Concen: 36.870 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053033.D
 Acq: 20 Dec 2018 1:56

Tgt Ion:105 Resp: 2347725
 Ion Ratio Lower Upper
 105 100
 134 32.3 10.1 30.3#

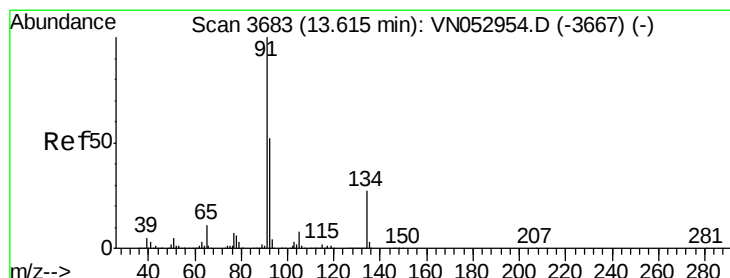
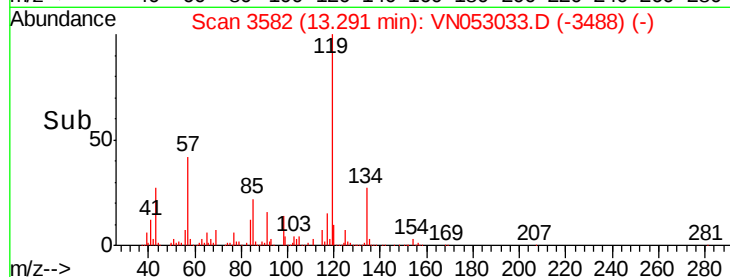
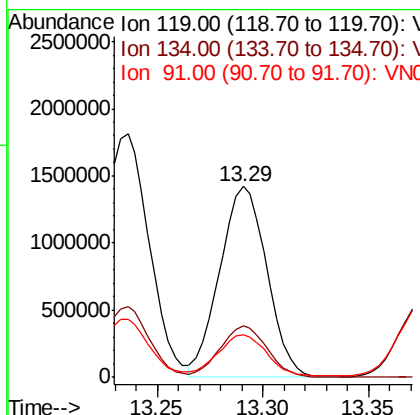
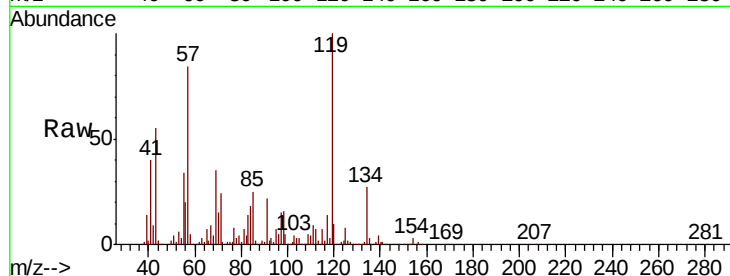




#86
 p-Isopropyltoluene
 Concen: 39.876 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053033.D
 Acq: 20 Dec 2018 1:56

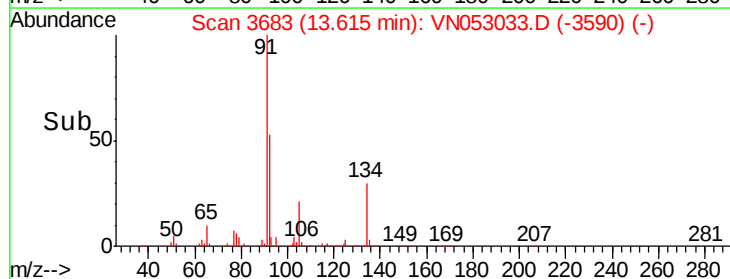
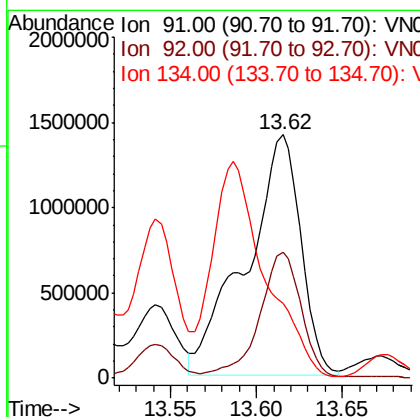
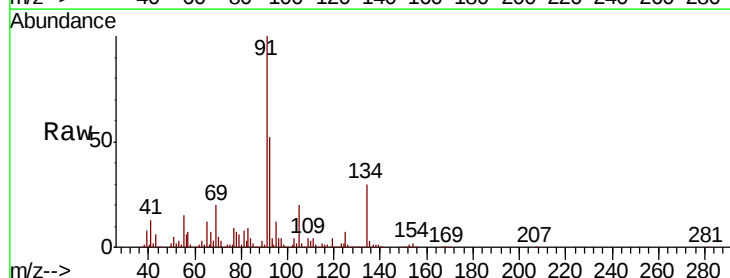
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3A(17-18FT)1218

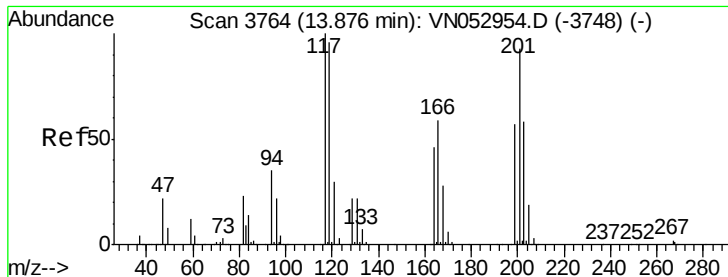
Tot Ion:119 Resp: 2194006
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.1 11.1 33.3



#89
 n-Butylbenzene
 Concen: 66.069 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN053033.D
 Acq: 20 Dec 2018 1:56

Tgt Ion: 91 Resp: 3127383
 Ion Ratio Lower Upper
 91 100
 92 39.2 26.3 78.9
 134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 36.725 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

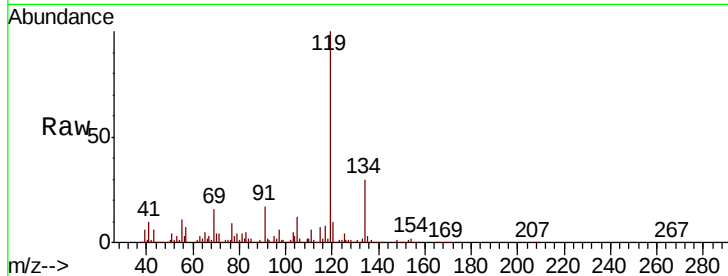
EP1-SBR-3A(17-18FT)1218

Tot Ion:117 Resp: 310080

Ion Ratio Lower Upper

117 100

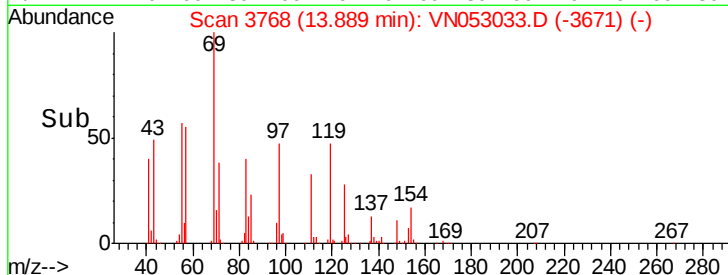
201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

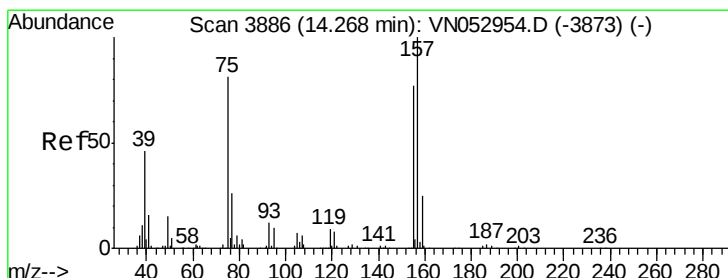
Ion 200.70 (200.40 to 201.40): V

Time-->



Time-->

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.748 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

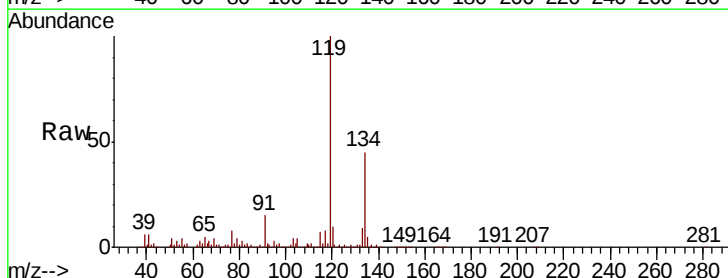
Tgt Ion: 75 Resp: 14948

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 0.0 61.2 183.5#

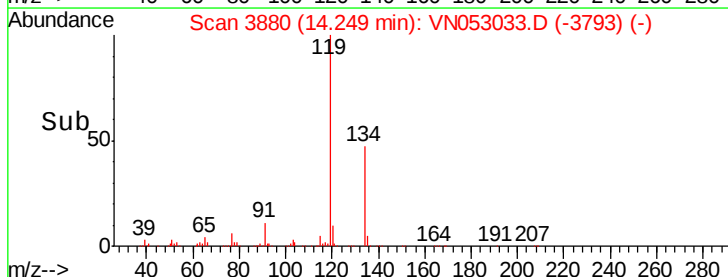


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

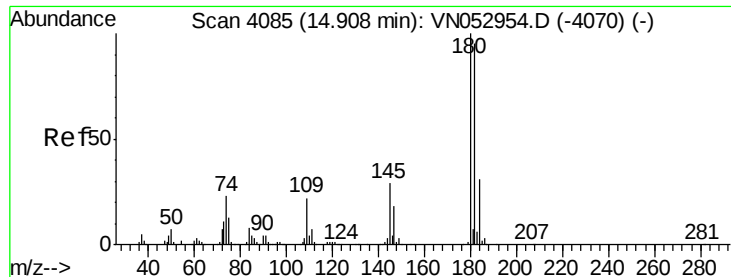
Ion 156.80 (156.50 to 157.50): V

Time-->



Time-->

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.701 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-3A(17-18FT)1218

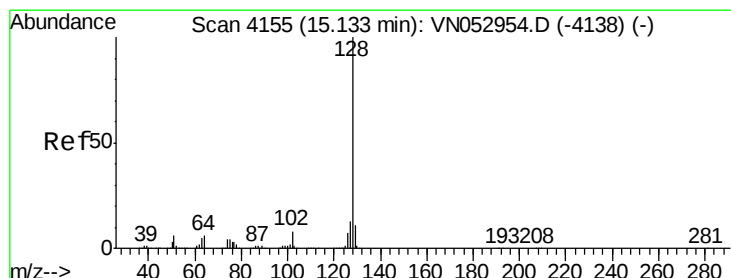
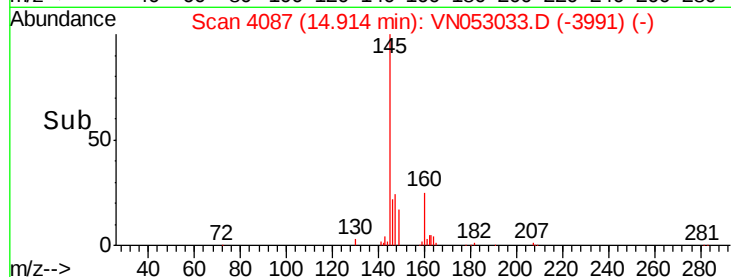
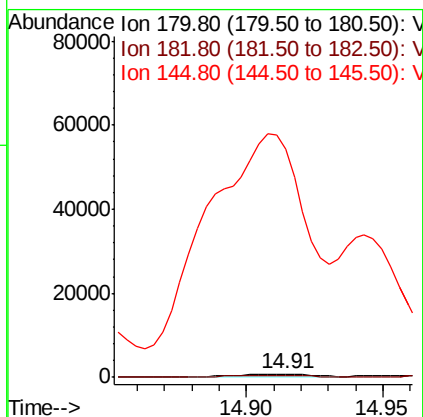
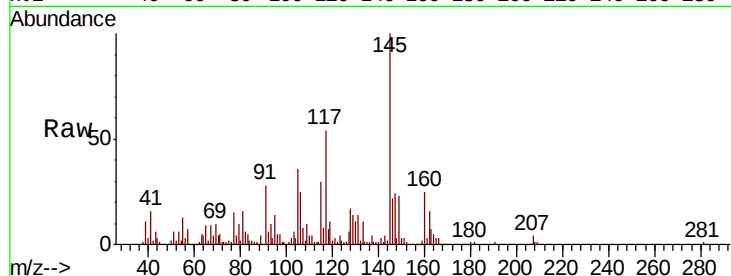
Tot Ion:180 Resp: 1591

Ion Ratio Lower Upper

180 100

182 73.6 47.8 143.3

145 7926.8 14.2 42.6#



#95

Naphthalene

Concen: 4.775 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053033.D

Acq: 20 Dec 2018 1:56

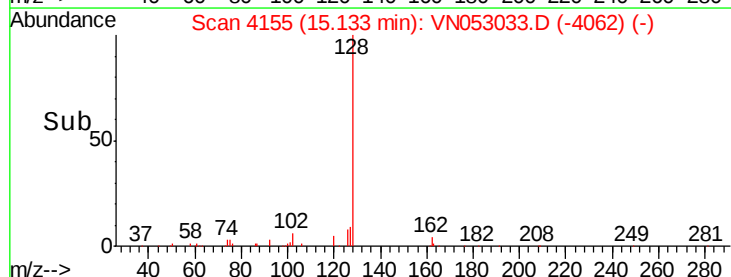
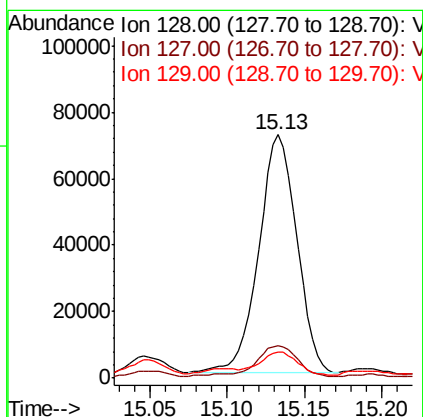
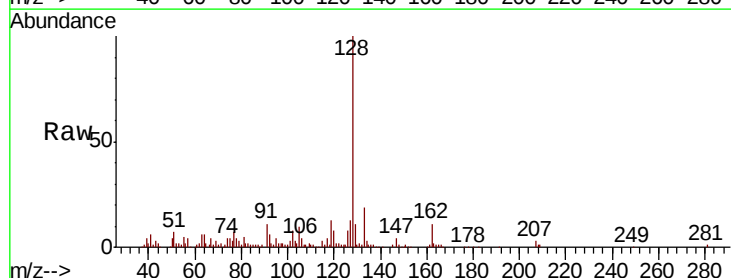
Tgt Ion:128 Resp: 121865

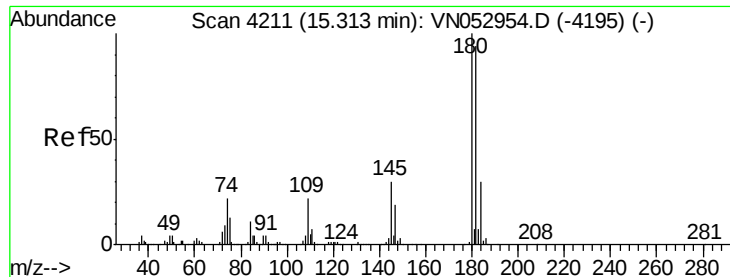
Ion Ratio Lower Upper

128 100

127 14.9 10.2 15.4

129 9.3 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.565 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053033.D
 Acq: 20 Dec 2018 1:56

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3A(17-18FT)1218

Tot Ion:180 Resp: 775
 Ion Ratio Lower Upper
 180 100
 182 36.1 47.9 143.7#
 145 1680.4 15.0 45.0#

