

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053058.D
 Acq On : 20 Dec 2018 15:54
 Operator : MD\SY
 Sample : J6411-09DL 100X
 Misc : 6.07µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 28

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

Quant Time: Dec 21 00:18:26 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	1284358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1975499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1782278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	794810	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	628883	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
35) Dibromofluoromethane	7.59	113	520230	57.65	ug/l	0.00
Spiked Amount			Recovery	=	115.30%	
50) Toluene-d8	10.09	98	2411260	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	836167	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	321	0.445	ug/l	93
16) Acetone	3.83	43	2238	0.876	ug/l	93
18) Methyl Acetate	4.34	43	3307	1.271	ug/l #	65
20) Methylene Chloride	4.55	84	3253	0.233	ug/l	97
31) Cyclohexane	7.66	56	21649	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	84909	4.478	ug/l #	49
38) Carbon Tetrachloride	7.67	117	109626	6.308	ug/l #	15
39) Methylcyclohexane	9.08	83	6774	0.294	ug/l	92
43) Isopropyl Acetate	8.34	43	158196	6.821	ug/l #	53
55) 1,1,2-Trichloroethane	10.53	97	8733	0.716	ug/l #	18
56) Ethyl methacrylate	10.44	69	3902	0.242	ug/l #	9
59) 2-Hexanone	10.72	43	47509	6.850	ug/l #	28
67) Ethyl Benzene	11.51	91	25524	0.376	ug/l	100
68) m/p-Xylenes	11.63	106	68747	2.662	ug/l	100
71) Bromoform	12.40	173	4450	0.448	ug/l #	1
73) Isopropylbenzene	12.25	105	135141	2.173	ug/l	98
74) N-amyl acetate	12.04	43	269891	15.632	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.48	83	17517	1.436	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	383179	28.639	ug/l #	100
78) n-propylbenzene	12.59	91	376330	5.313	ug/l	99
79) 2-Chlorotoluene	12.69	91	39170	0.892	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.73	105	543585	10.724	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	383179	92.306	ug/l #	13
82) 4-Chlorotoluene	12.73	91	49940	1.162	ug/l #	54
83) tert-Butylbenzene	12.99	119	30494	0.680	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2024904	39.739	ug/l	99
85) sec-Butylbenzene	13.17	105	219437	3.619	ug/l #	77
86) p-Isopropyltoluene	13.29	119	203043	3.875	ug/l	99
89) n-Butylbenzene	13.62	91	275137	6.104	ug/l #	70
90) Hexachloroethane	13.89	117	28513	3.546	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	690	0.327	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	6666	1.058	ug/l #	20
94) Hexachlorobutadiene	15.01	225	2552	Below Cal	#	76
95) Naphthalene	15.13	128	33394	2.191	ug/l #	96

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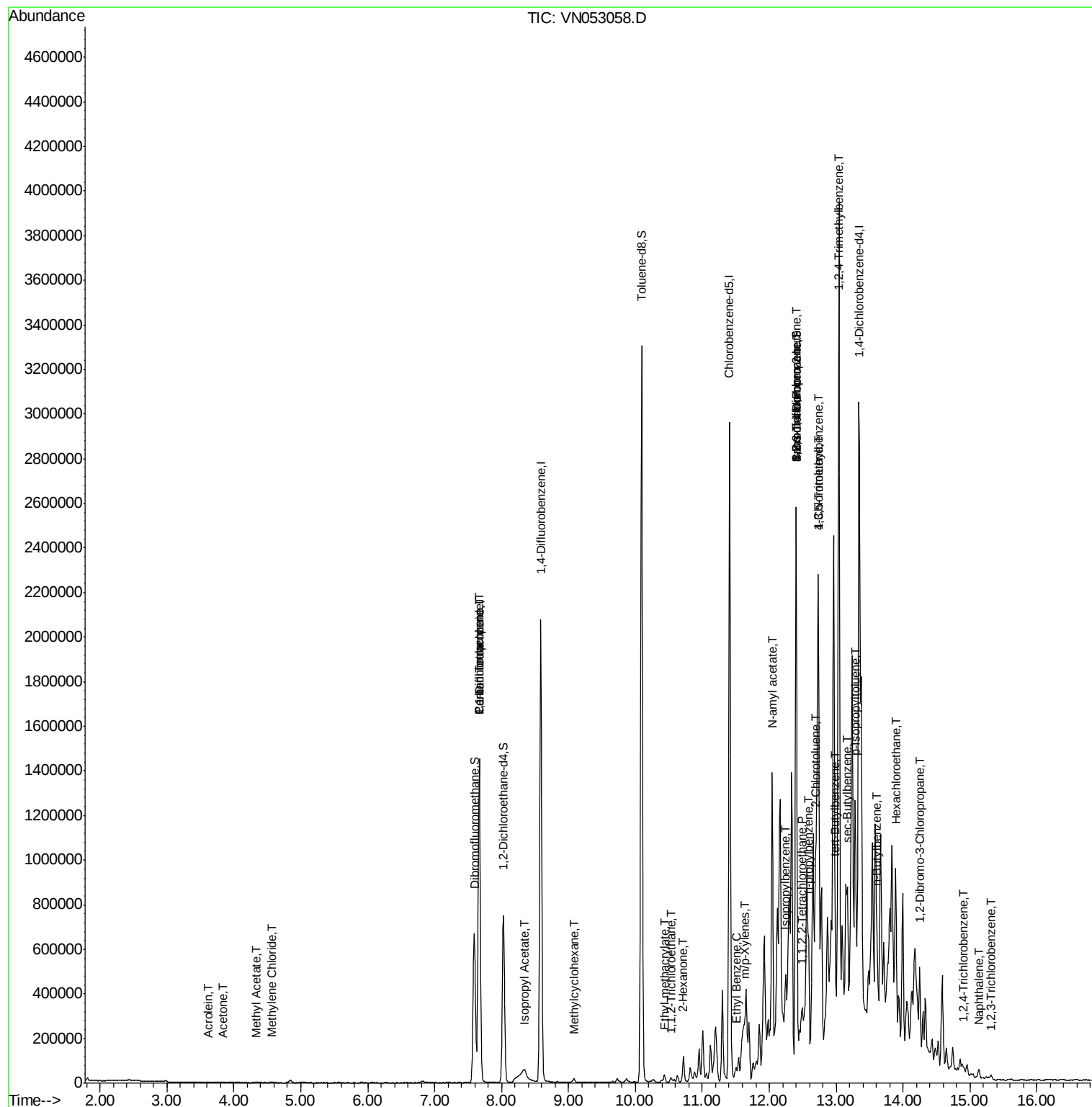
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	8338	1.150	ug/l #	86

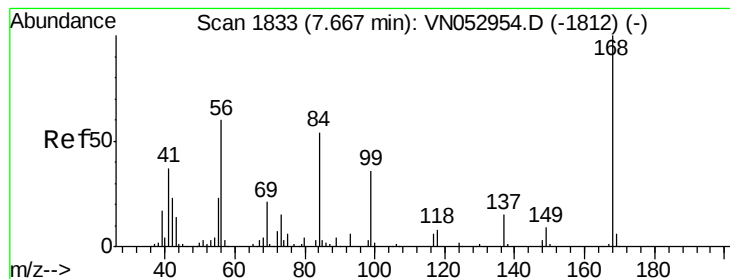
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

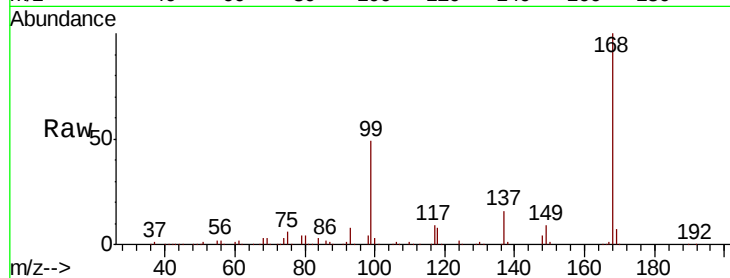
EP1-SBR-3A(17-18FT)1218DL

Tot Ion:168 Resp: 1284358

Ion Ratio Lower Upper

168 100

99 49.3 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

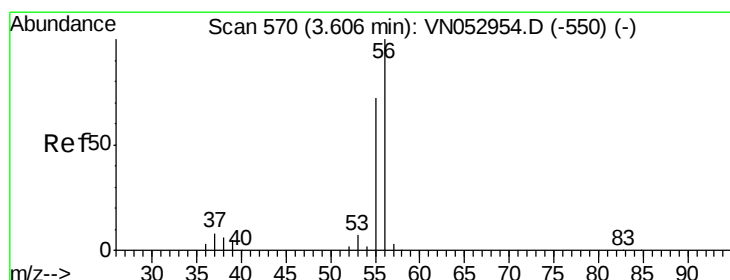
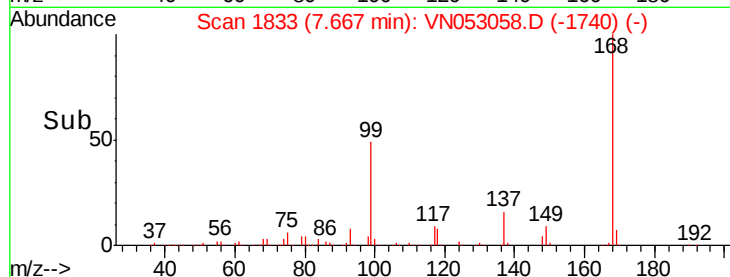
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.445 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN053058.D

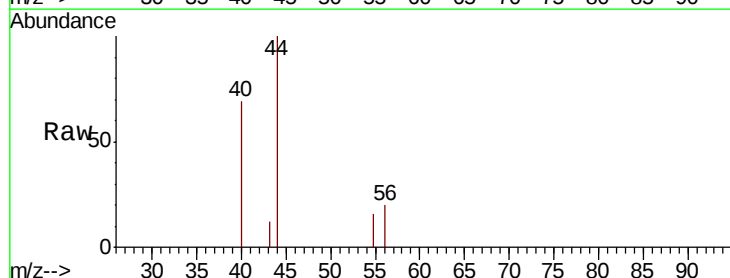
Acq: 20 Dec 2018 15:54

Tgt Ion: 56 Resp: 321

Ion Ratio Lower Upper

56 100

55 76.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.62

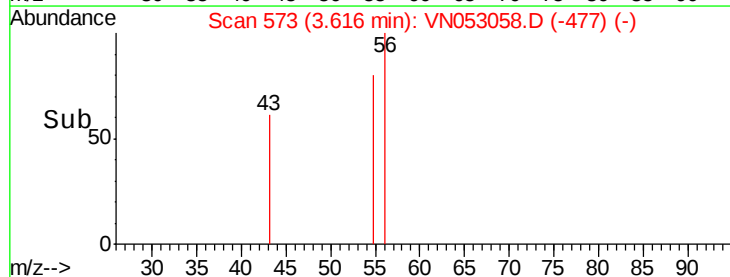
300

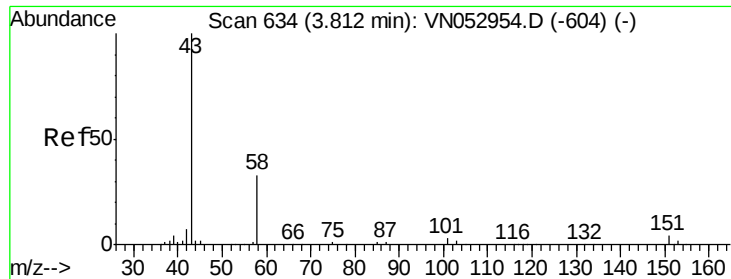
200

100

0

Time-->





#16

Acetone

Concen: 0.876 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

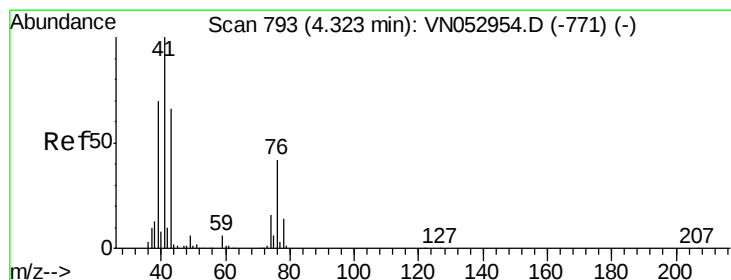
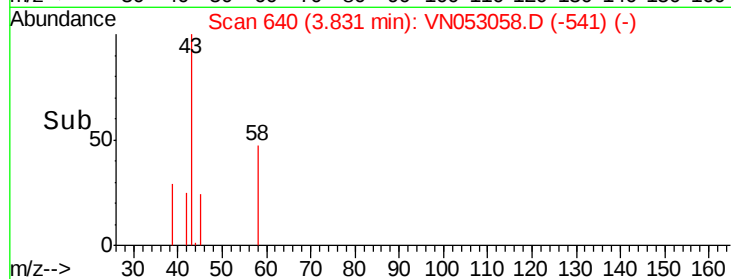
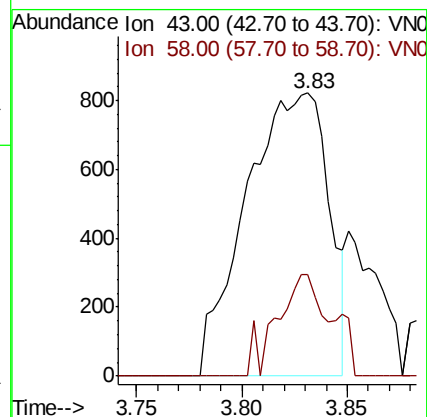
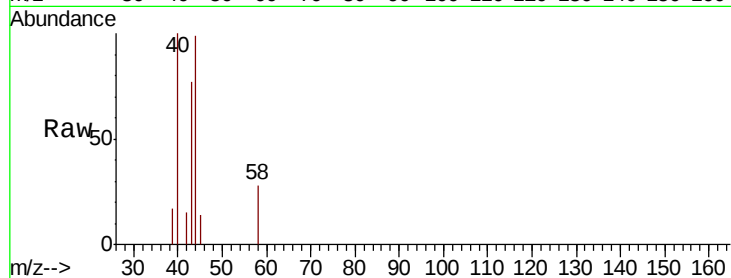
EP1-SBR-3A(17-18FT)1218DL

Tot Ion: 43 Resp: 2238

Ion Ratio Lower Upper

43 100

58 35.8 25.4 38.0



#18

Methyl Acetate

Concen: 1.271 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN053058.D

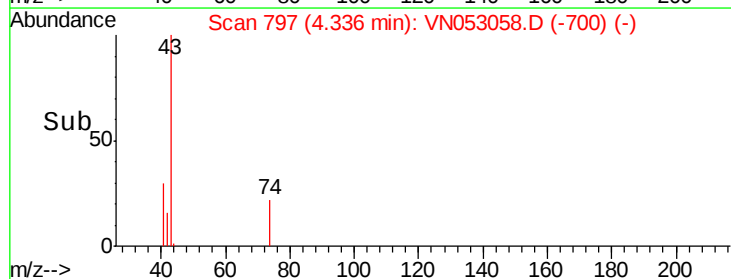
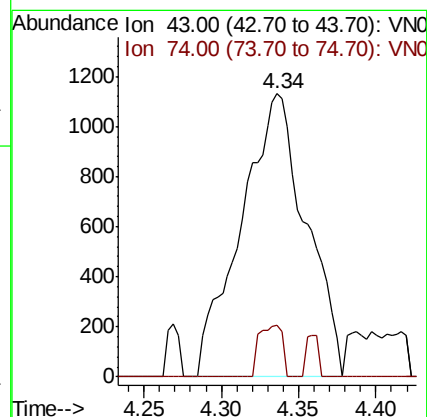
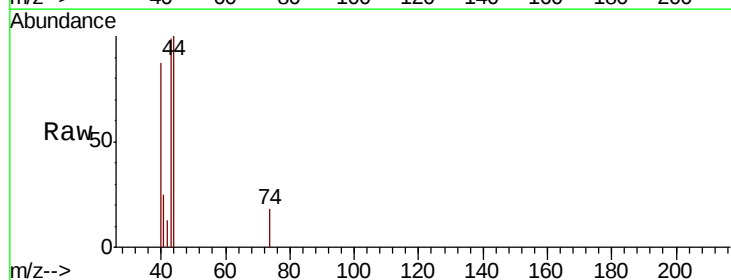
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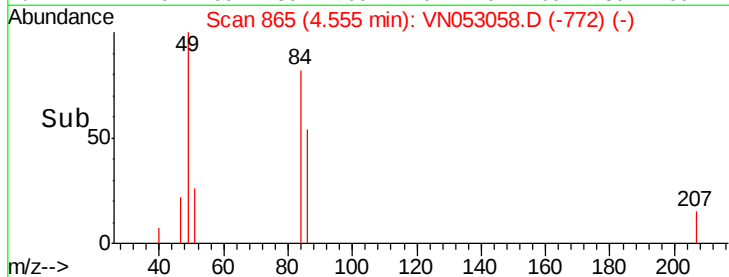
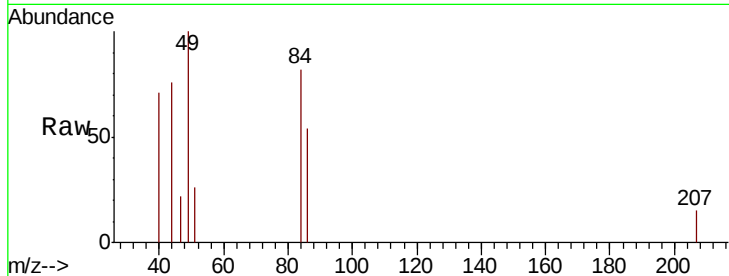
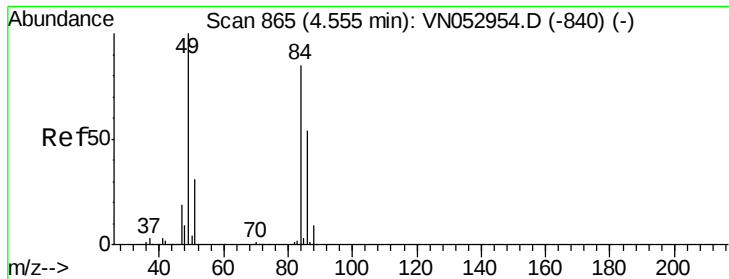
Tgt Ion: 43 Resp: 3307

Ion Ratio Lower Upper

43 100

74 6.6 19.2 28.8#

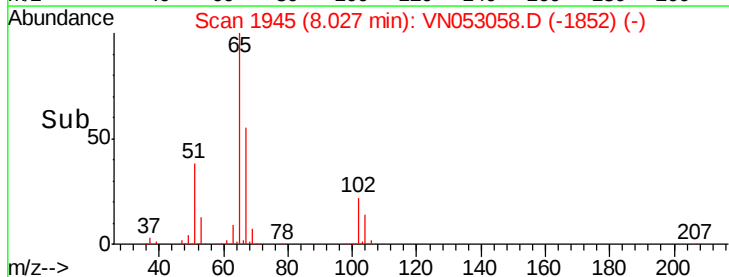
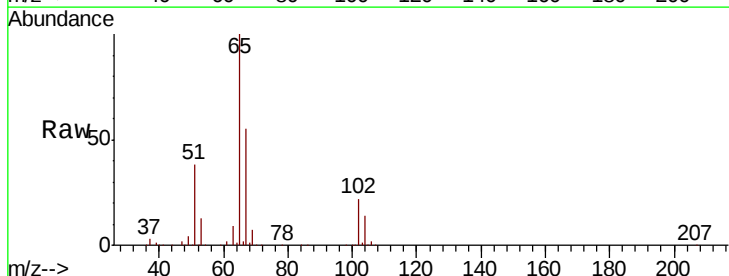
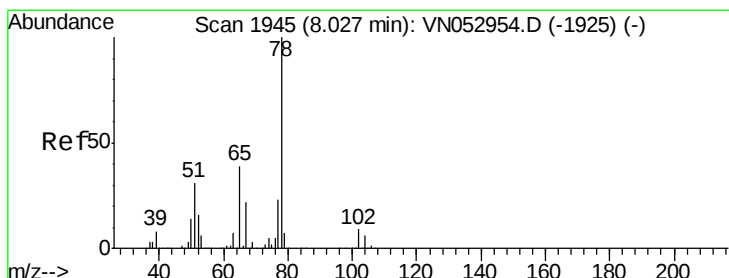
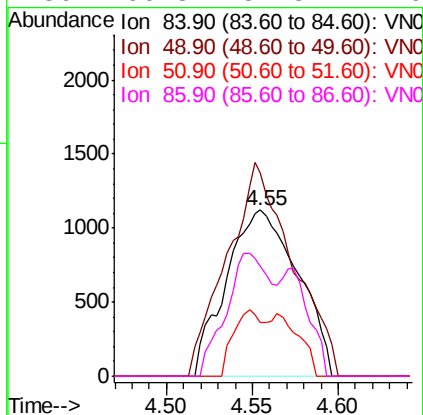




#20
Methvlene Chloride
Concen: 0.233 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

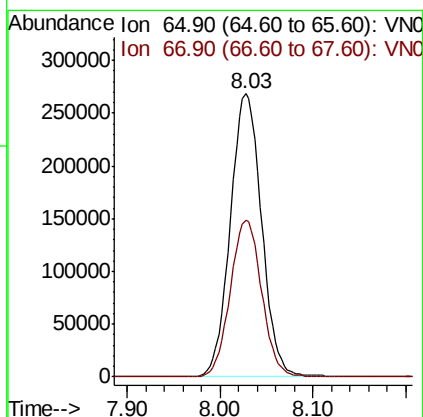
Instrument :
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EP1-SBR-3A(17-18FT)1218DL

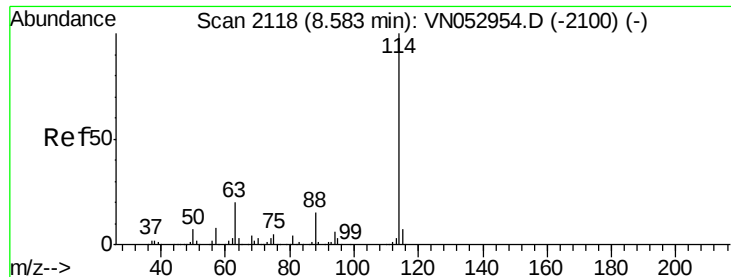
Tot Ion:	84	Resp:	3253
Ion	Ratio	Lower	Upper
84	100		
49	122.5	96.8	145.2
51	32.1	29.9	44.9
86	66.3	51.8	77.6



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

Tgt Ion:	65	Resp:	628883
Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	110.4

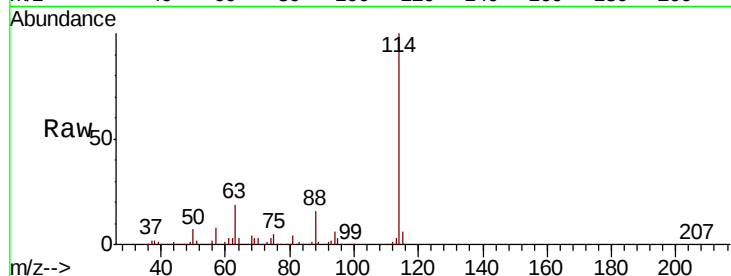




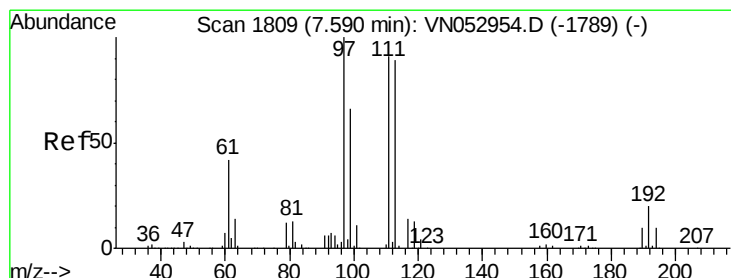
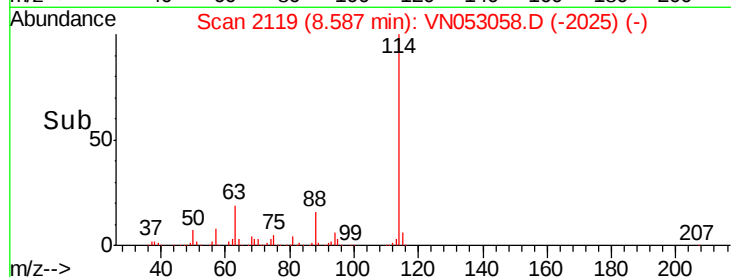
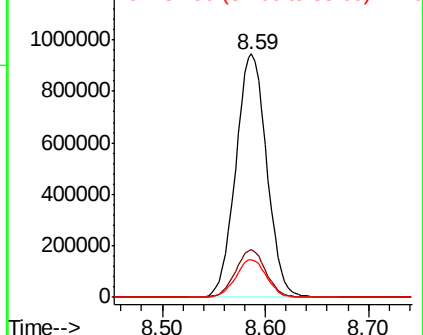
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053058.D
 Acq: 20 Dec 2018 15:54

Instrument :
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Tot Ion:114 Resp: 1975499
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.7 0.0 31.0

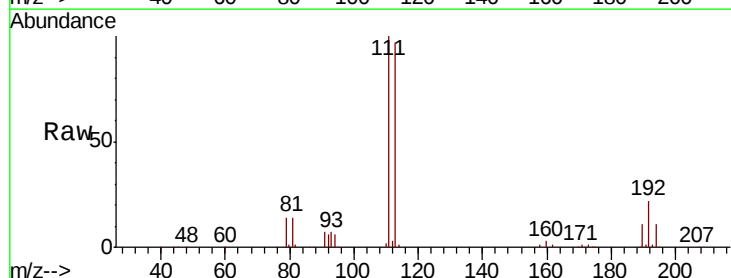


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

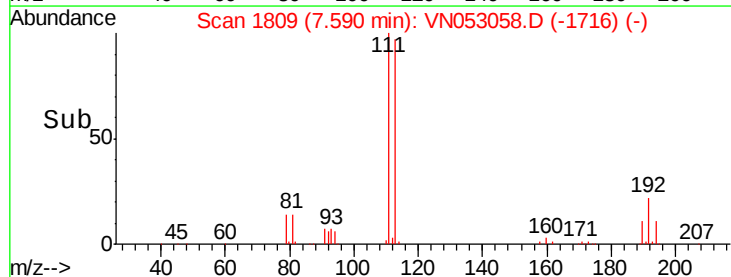
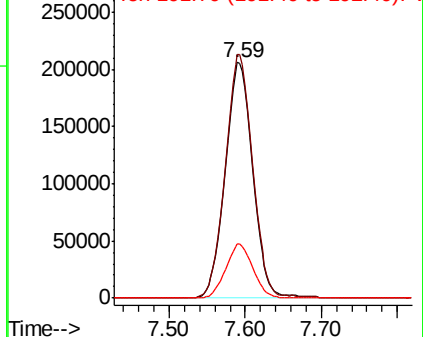


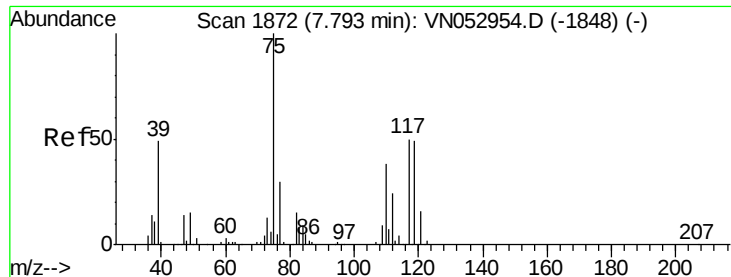
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053058.D
 Acq: 20 Dec 2018 15:54

Tgt Ion:113 Resp: 520230
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.4
 192 22.6 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.478 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

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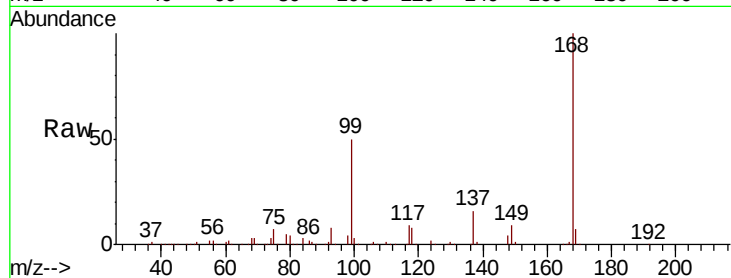
Tot Ion: 75 Resp: 84909

Ion Ratio Lower Upper

75 100

110 8.8 18.2 54.6#

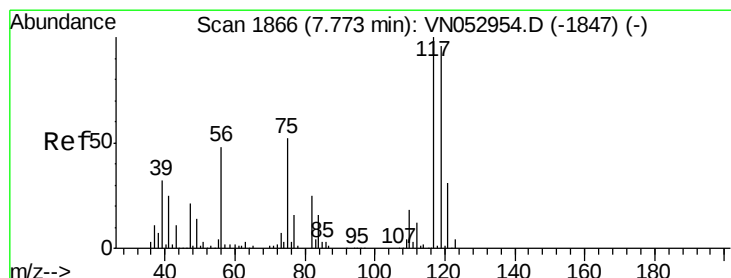
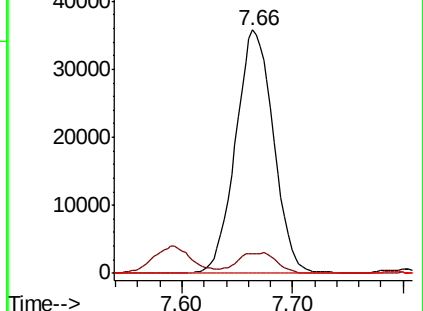
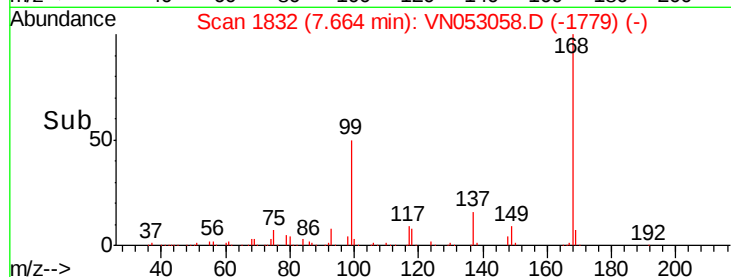
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN053058.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053058.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053058.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.308 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

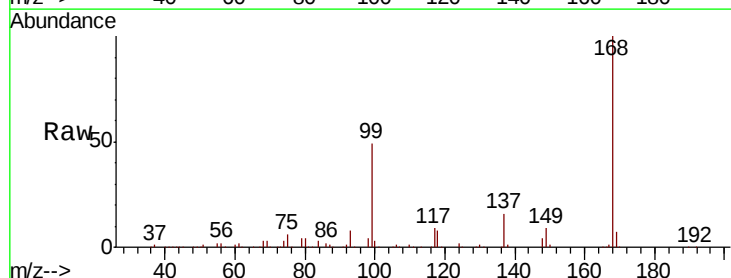
Tgt Ion: 117 Resp: 109626

Ion Ratio Lower Upper

117 100

119 4.6 77.1 115.7#

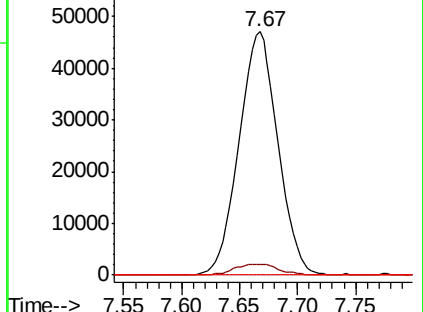
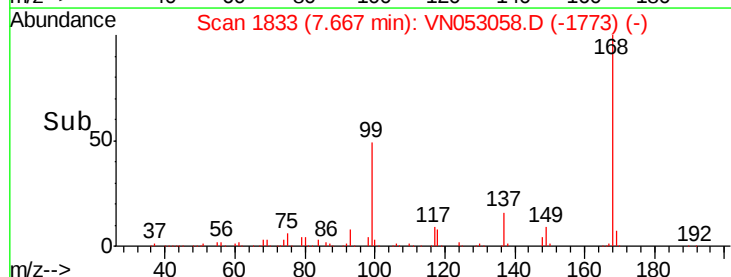
121 0.0 24.9 37.3#

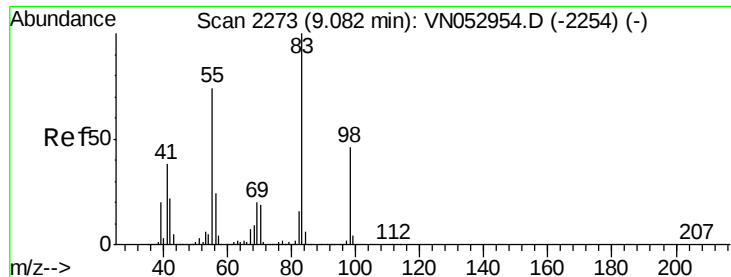


Abundance Ion 116.80 (116.50 to 117.50): VN053058.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053058.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053058.D (-1773) (-)

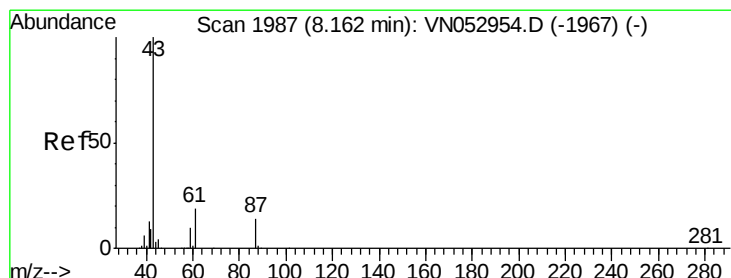
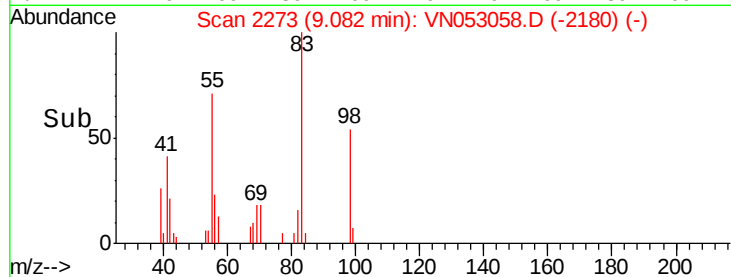
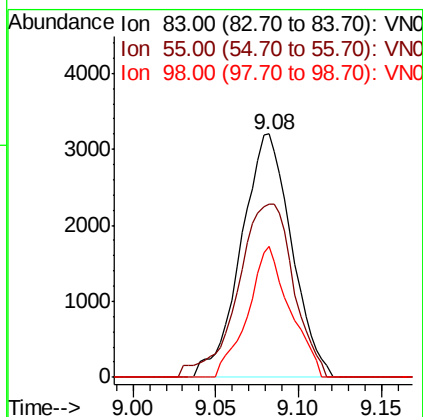
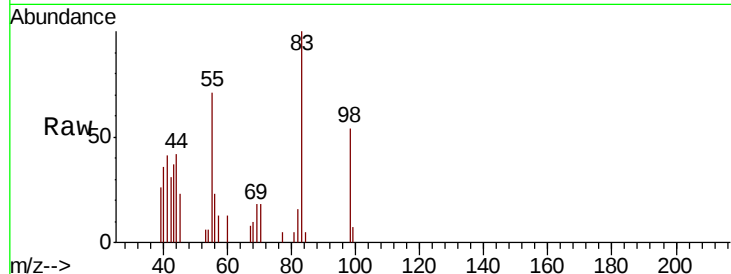




#39
Methylcyclohexane
Concen: 0.294 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

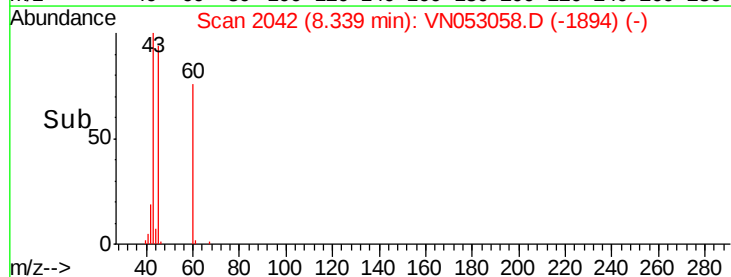
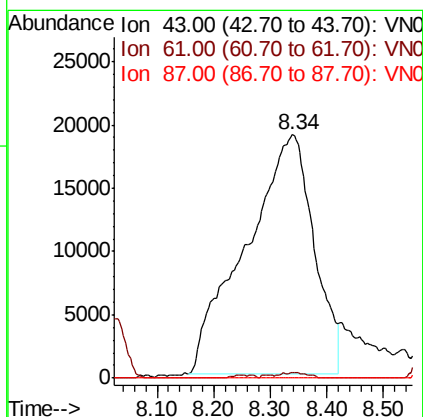
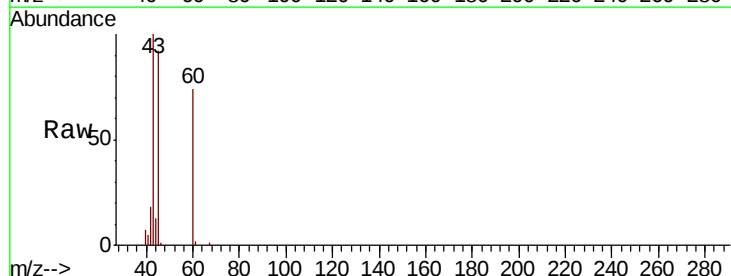
Instrument :
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ClientSampleId :
EP1-SBR-3A(17-18FT)1218DL

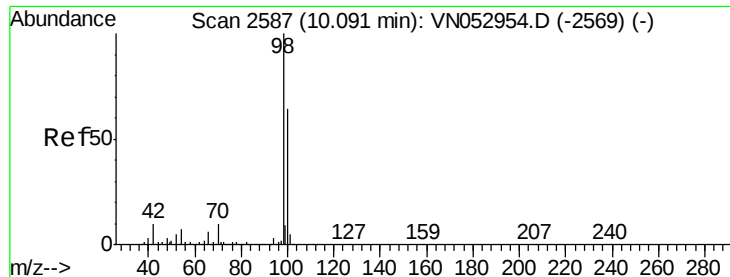
Tot Ion: 83 Resp: 6774
Ion Ratio Lower Upper
83 100
55 71.4 61.3 91.9
98 53.7 37.0 55.4



#43
Isopropyl Acetate
Concen: 6.821 ug/l
RT: 8.34 min Scan# 2042
Delta R.T. 0.18 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

Tgt Ion: 43 Resp: 158196
Ion Ratio Lower Upper
43 100
61 0.6 22.9 34.3#
87 0.0 10.6 15.8#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

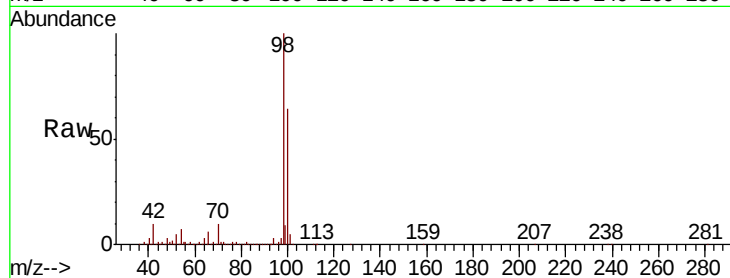
EP1-SBR-3A(17-18FT)1218DL

Tot Ion: 98 Resp: 2411260

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

1500000 Ion 100.00 (99.70 to 100.70): VN

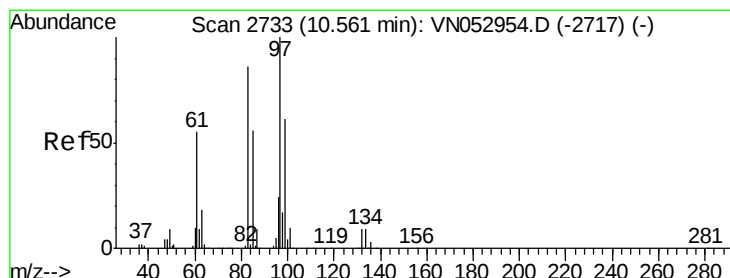
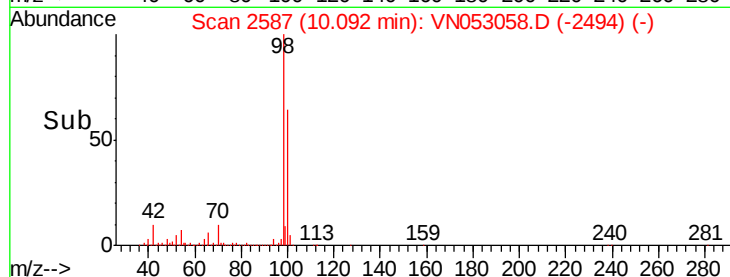
10.09

1000000

500000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.716 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Tgt Ion: 97 Resp: 8733

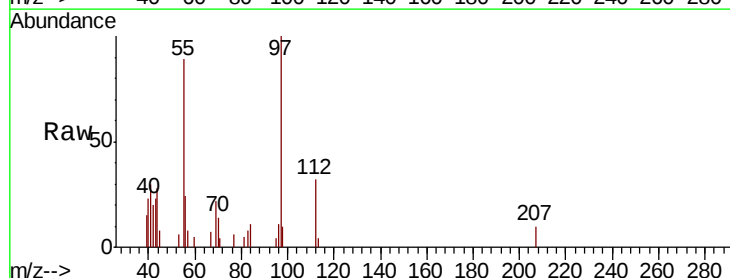
Ion Ratio Lower Upper

97 100

83 8.3 70.9 106.3#

85 0.0 45.4 68.2#

99 0.0 50.4 75.6#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

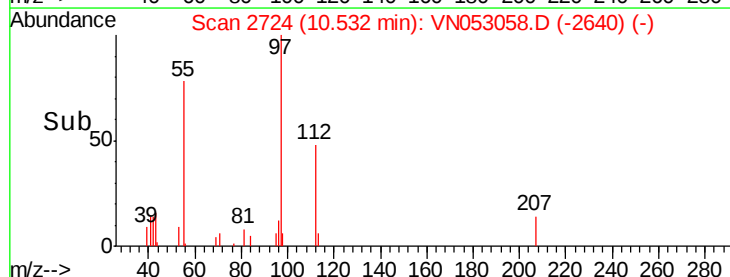
6000

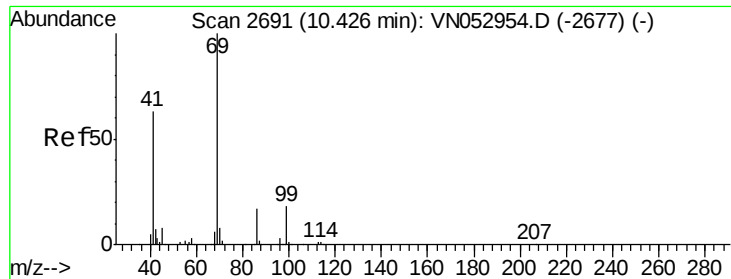
4000

2000

0

Time-->

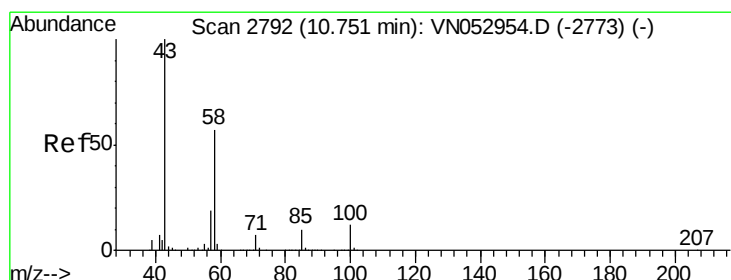
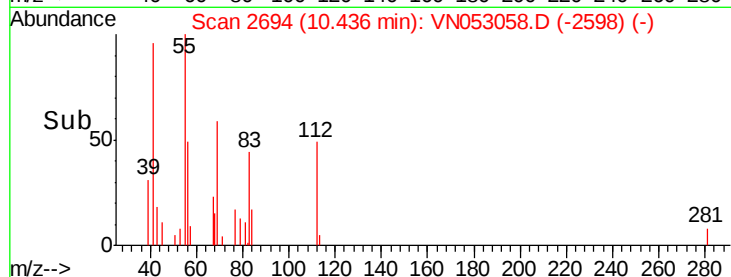
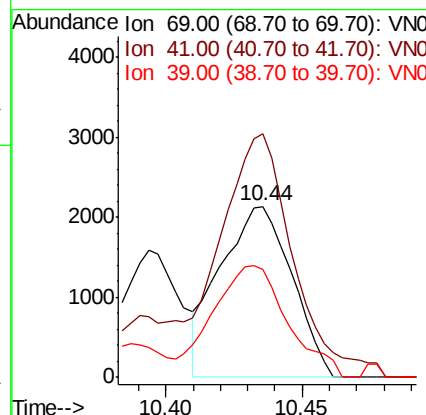
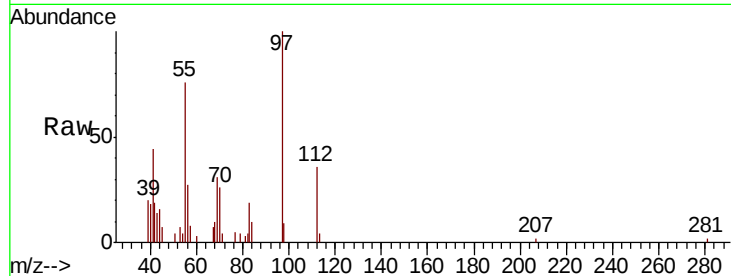




#56
Ethyl methacrylate
Concen: 0.242 ug/l
RT: 10.44 min Scan# 2694
Delta R.T. 0.01 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

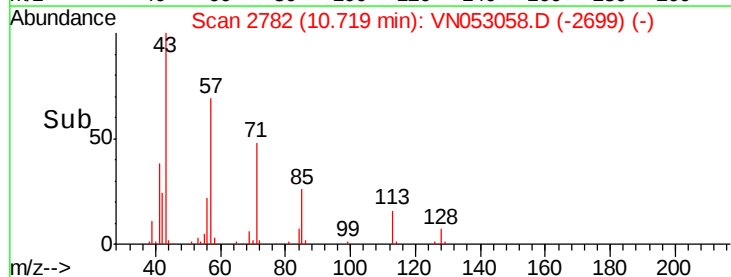
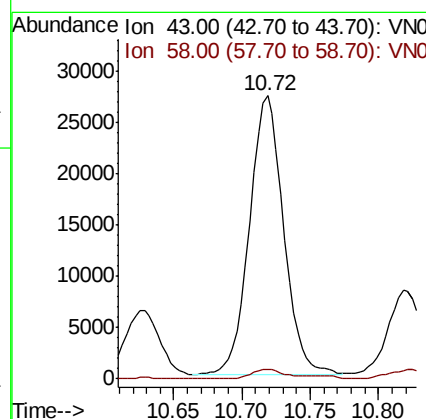
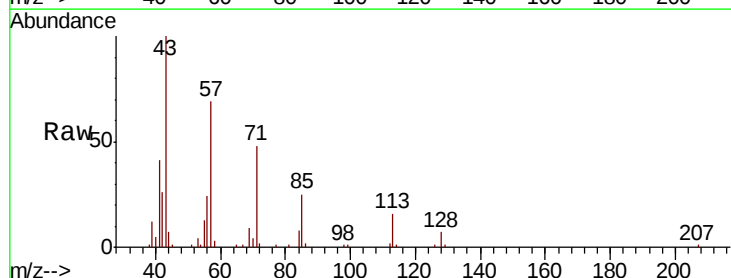
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3A(17-18FT)1218DL

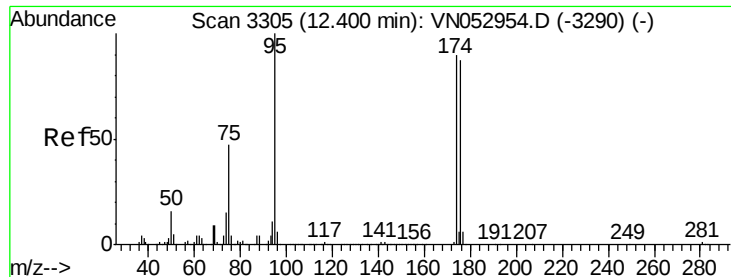
Tot Ion: 69 Resp: 3902
Ion Ratio Lower Upper
69 100
41 144.4 51.7 77.5#
39 68.0 24.6 37.0#



#59
2-Hexanone
Concen: 6.850 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

Tgt Ion: 43 Resp: 47509
Ion Ratio Lower Upper
43 100
58 3.9 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: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

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

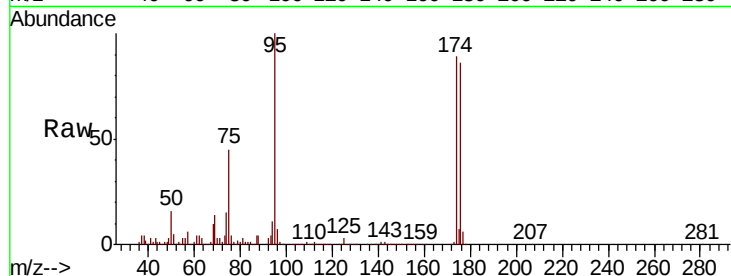
Tot Ion: 95 Resp: 836167

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.8

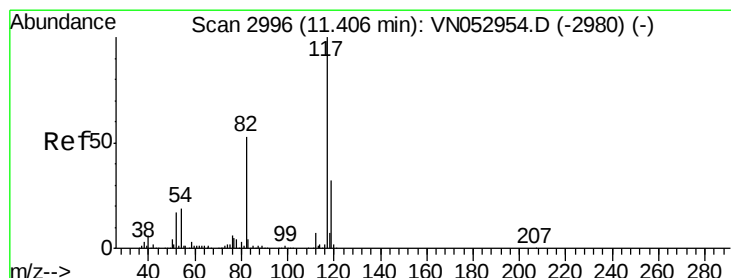
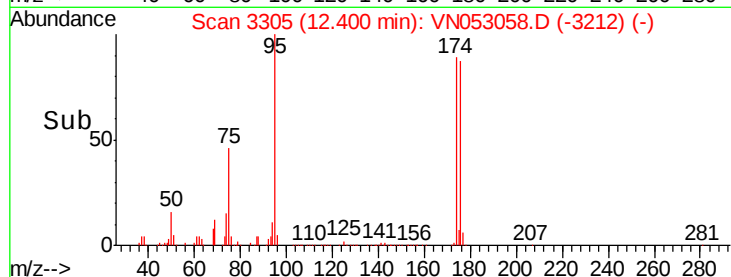
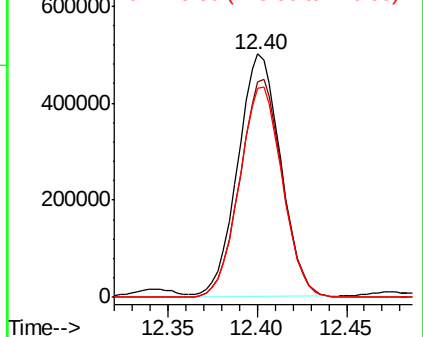
176 87.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

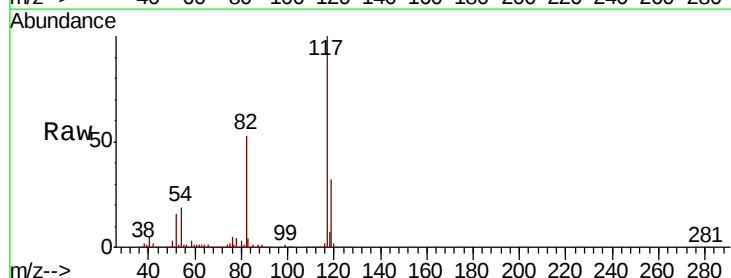
Tgt Ion: 117 Resp: 1782278

Ion Ratio Lower Upper

117 100

82 52.8 42.8 64.2

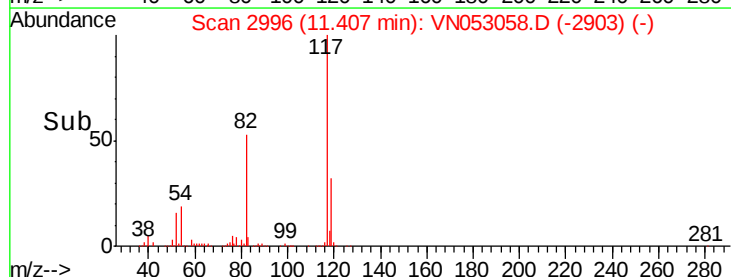
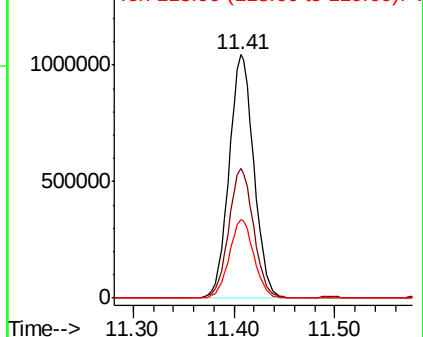
119 32.1 25.5 38.3

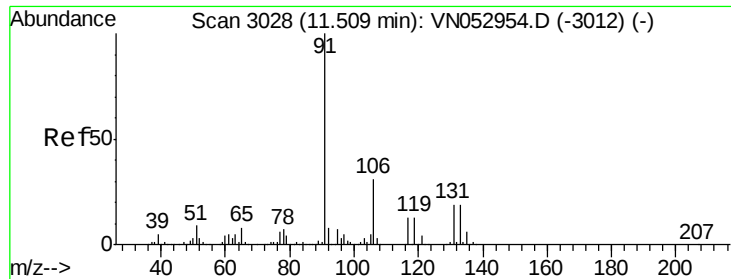


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

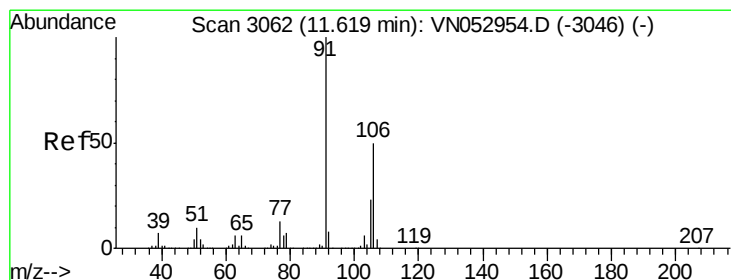
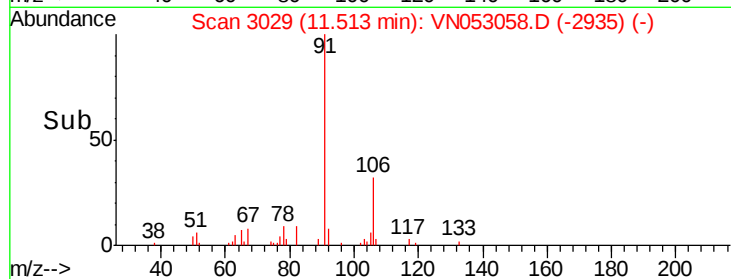
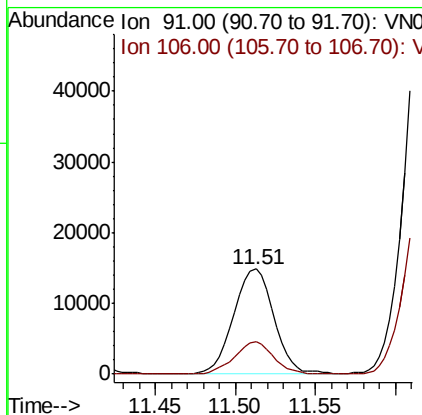
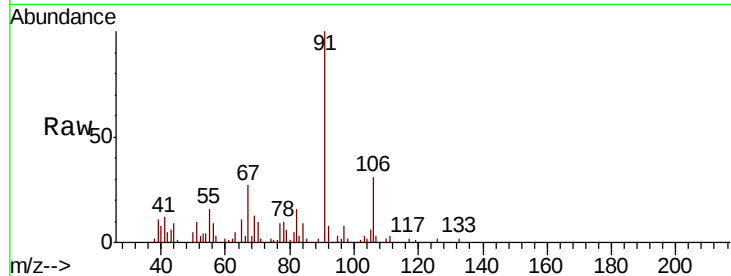




#67
Ethyl Benzene
Concen: 0.376 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

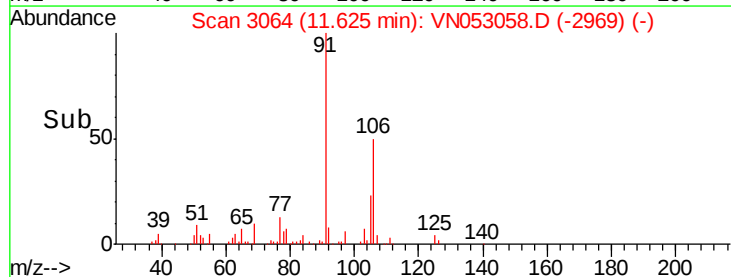
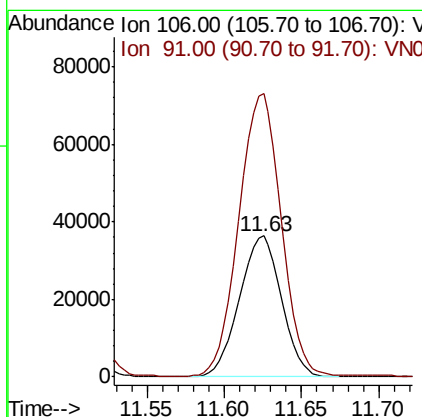
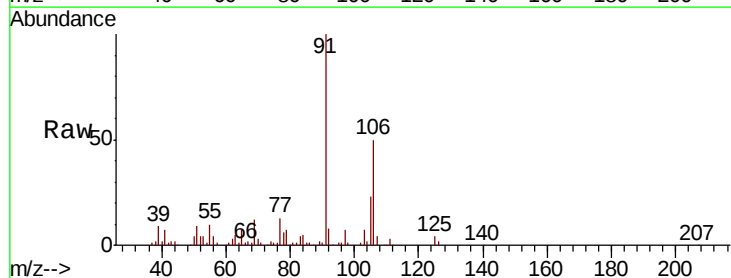
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3A(17-18FT)1218DL

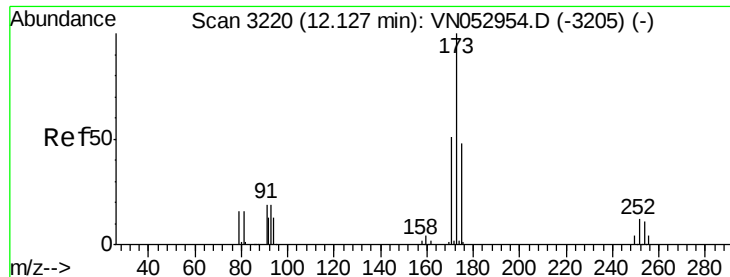
Tot Ion: 91 Resp: 25524
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 2.662 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

Tgt Ion: 106 Resp: 68747
Ion Ratio Lower Upper
106 100
91 203.2 162.2 243.4

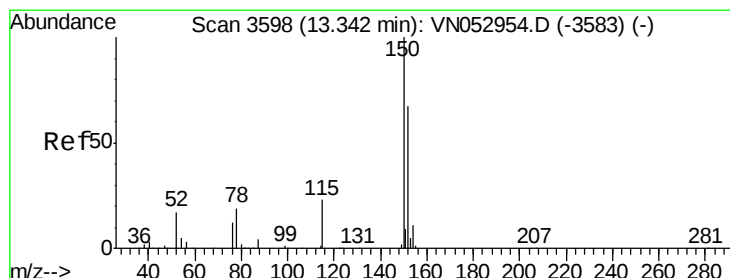
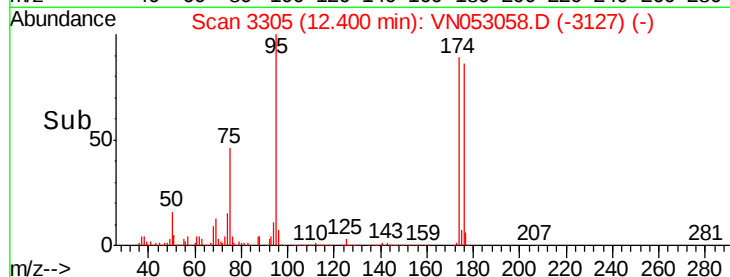
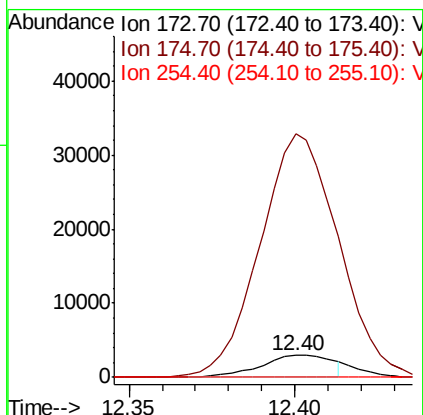
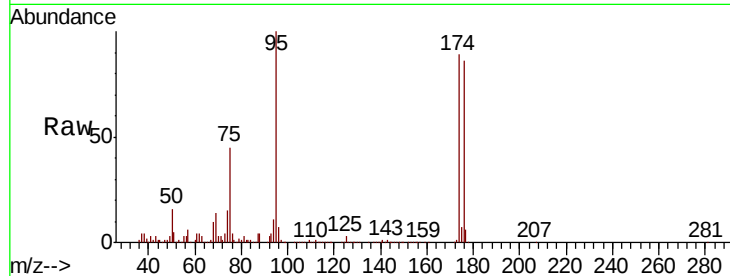




#71
Bromoform
Concen: 0.448 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

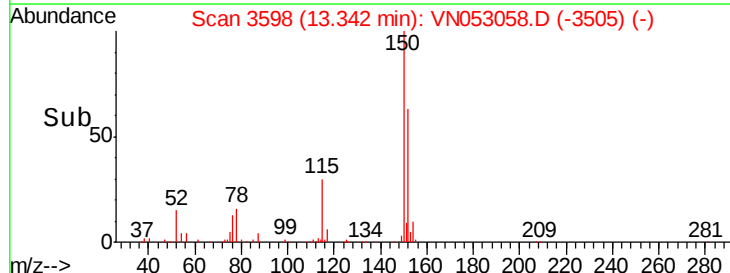
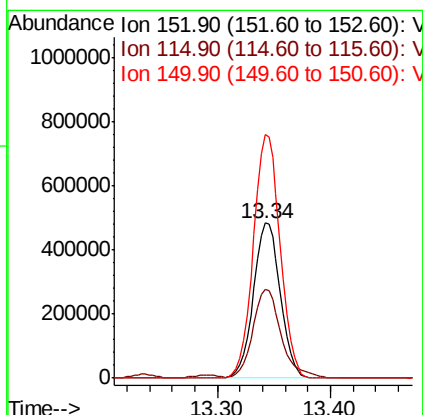
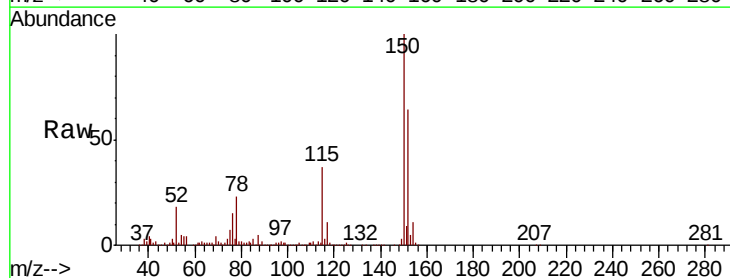
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3A(17-18FT)1218DL

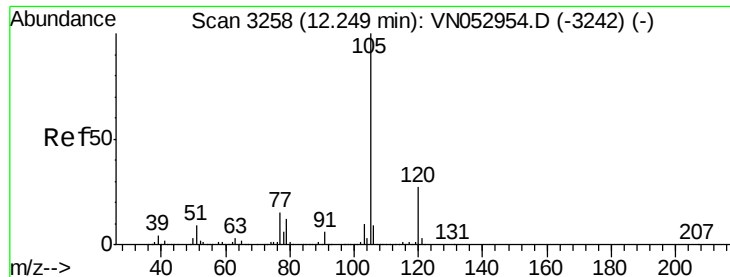
Tot Ion:173 Resp: 4450
Ion Ratio Lower Upper
173 100
175 1071.0 24.3 72.9#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053058.D
Acq: 20 Dec 2018 15:54

Tgt Ion:152 Resp: 794810
Ion Ratio Lower Upper
152 100
115 60.7 28.3 85.0
150 156.5 0.0 347.8





#73

Isopropylbenzene

Concen: 2.173 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

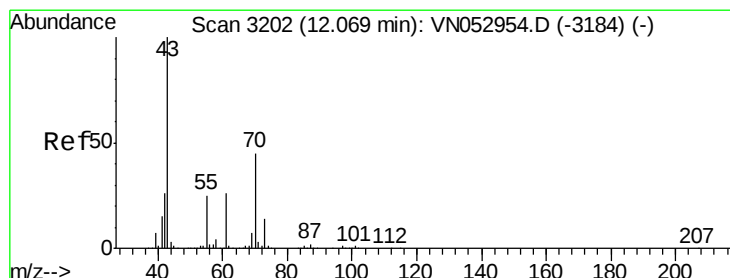
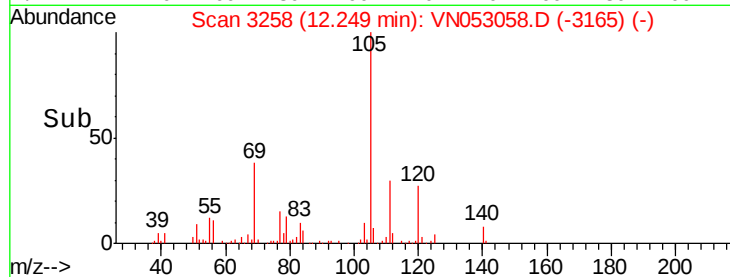
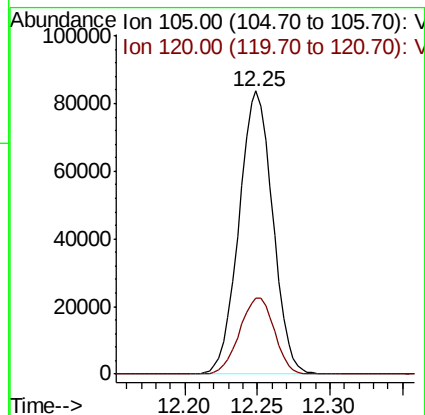
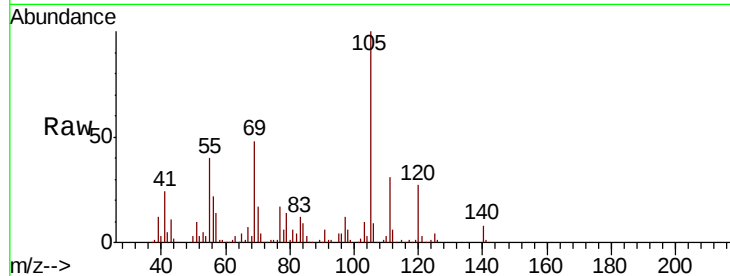
EP1-SBR-3A(17-18FT)1218DL

Tot Ion:105 Resp: 135141

Ion Ratio Lower Upper

105 100

120 27.7 13.3 39.9



#74

N-ethyl acetate

Concen: 15.632 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Tgt Ion: 43 Resp: 269891

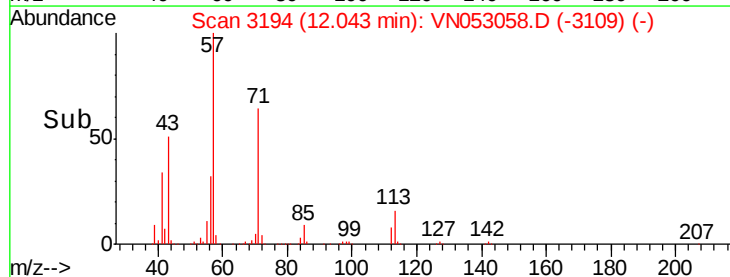
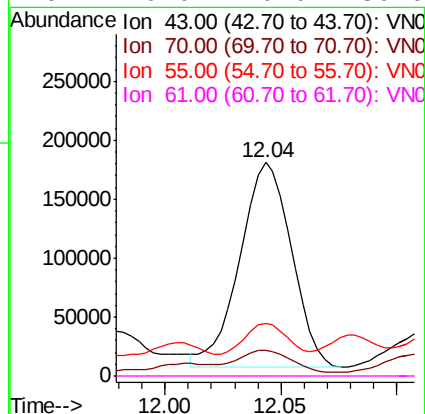
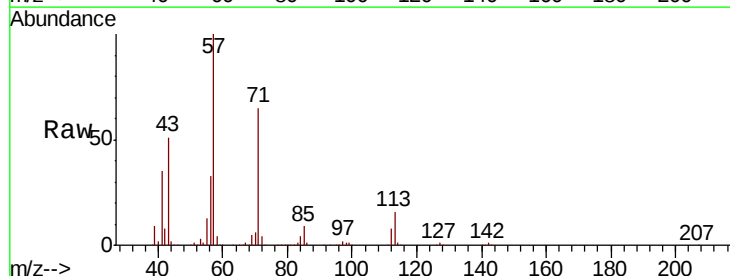
Ion Ratio Lower Upper

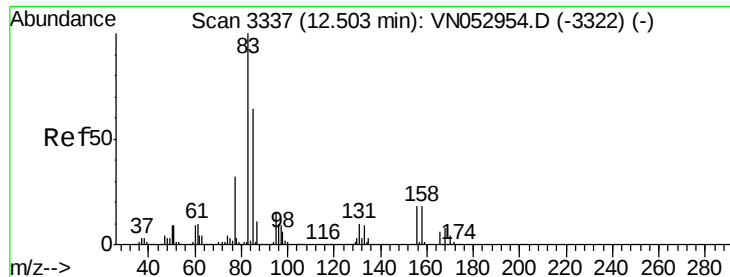
43 100

70 11.1 34.2 51.4#

55 20.1 20.3 30.5#

61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.436 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.03 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

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

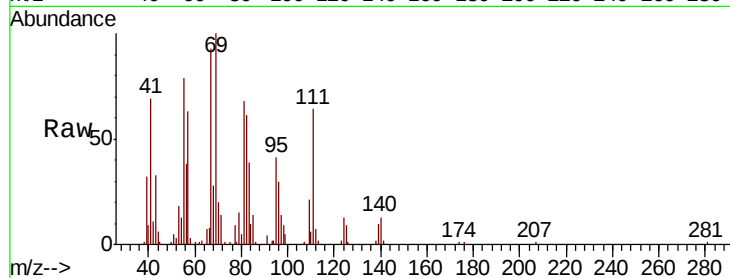
Tot Ion: 83 Resp: 17517

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

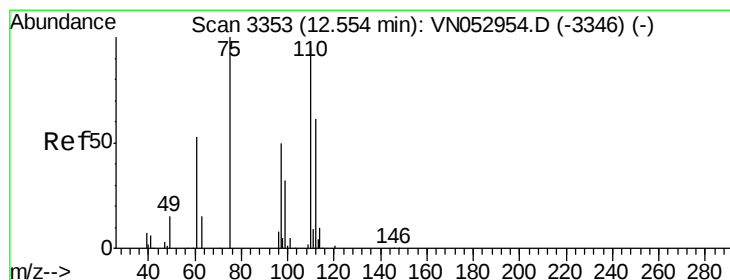
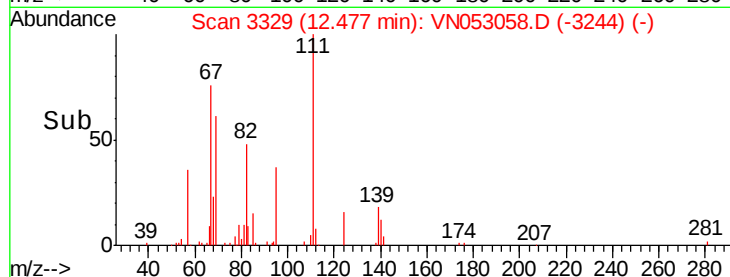
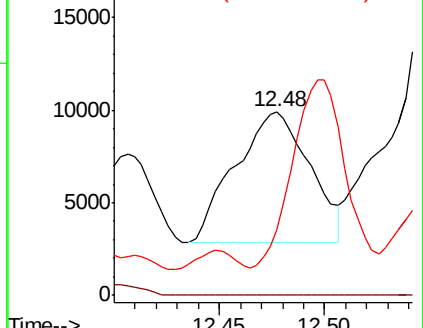
85 102.8 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.639 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053058.D

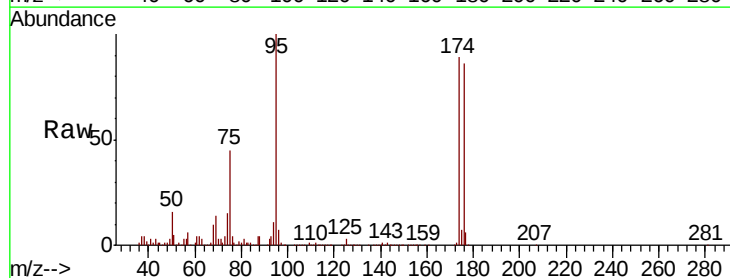
Acq: 20 Dec 2018 15:54

Tgt Ion: 75 Resp: 383179

Ion Ratio Lower Upper

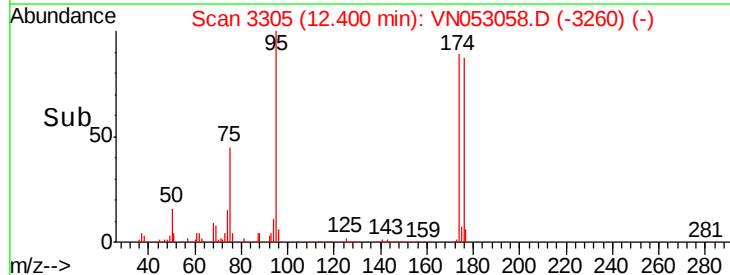
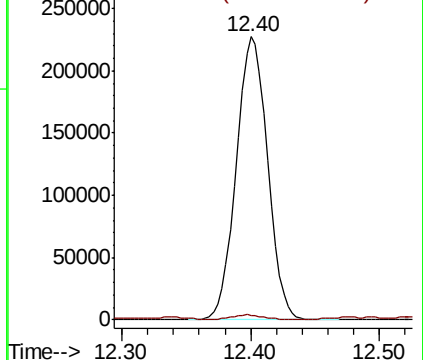
75 100

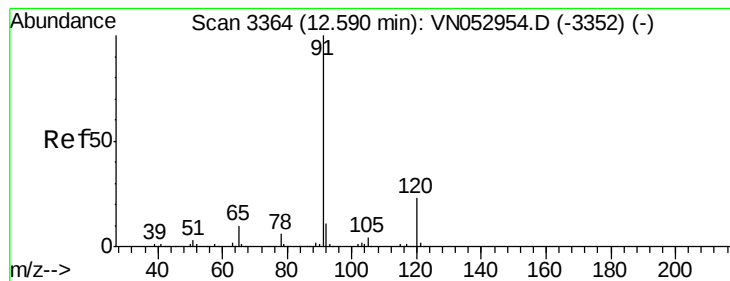
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 5.313 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

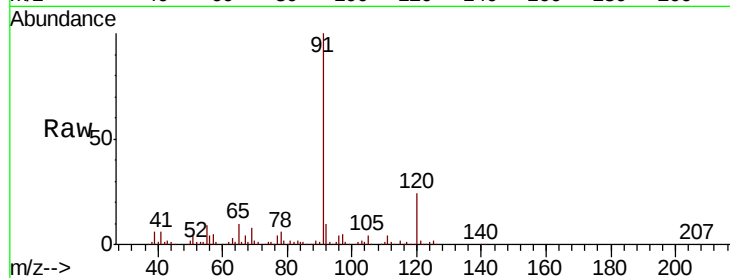
EP1-SBR-3A(17-18FT)1218DL

Tot Ion: 91 Resp: 376330

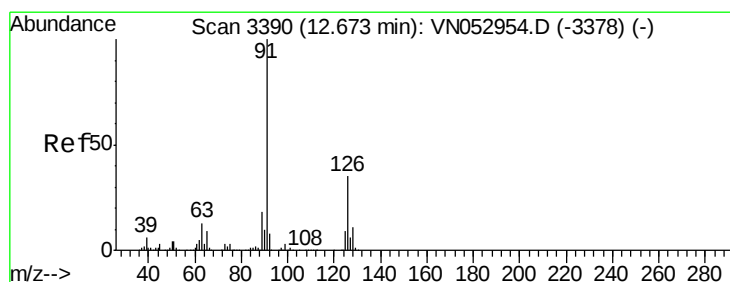
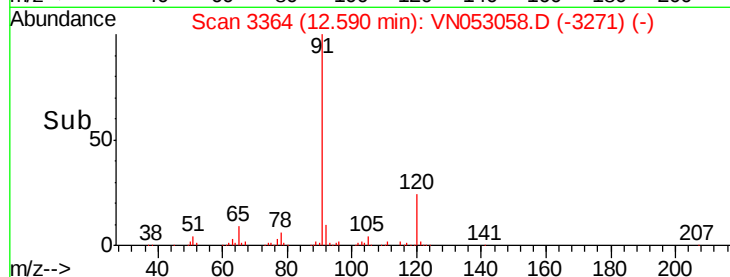
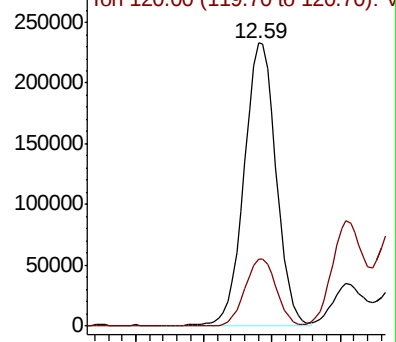
Ion Ratio Lower Upper

91 100

120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3352) (-)



#79

2-Chlorotoluene

Concen: 0.892 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN053058.D

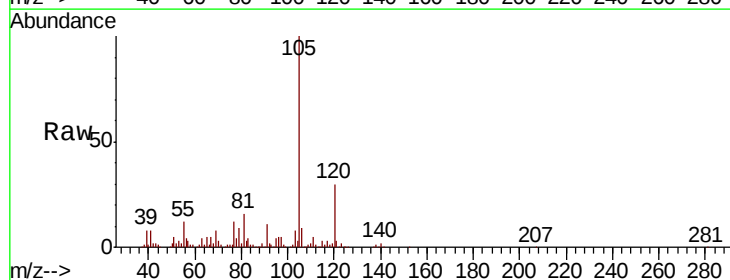
Acq: 20 Dec 2018 15:54

Tgt Ion: 91 Resp: 39170

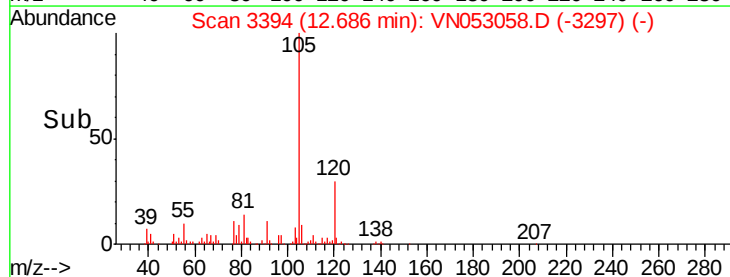
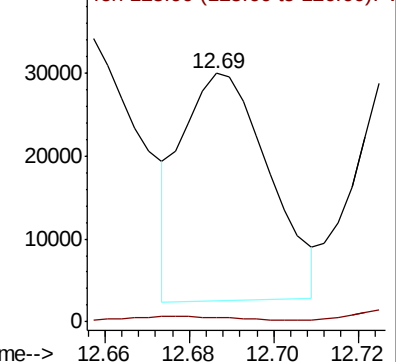
Ion Ratio Lower Upper

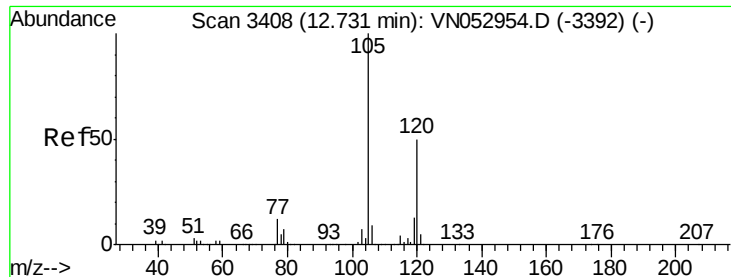
91 100

126 3.4 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

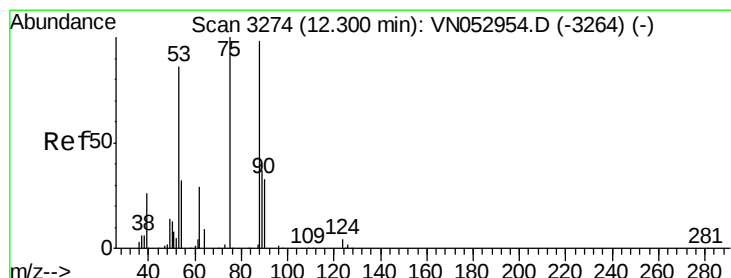
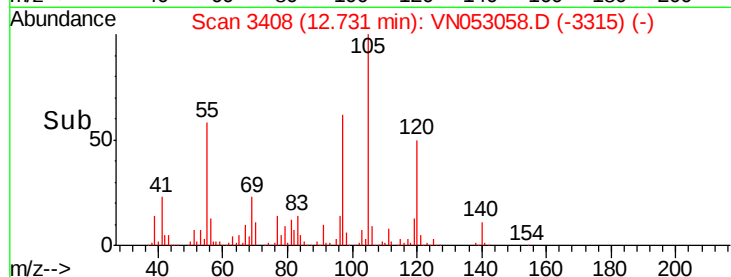
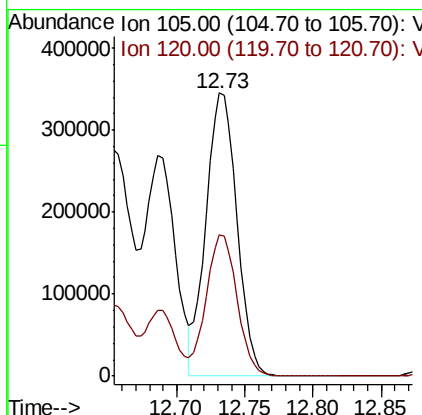
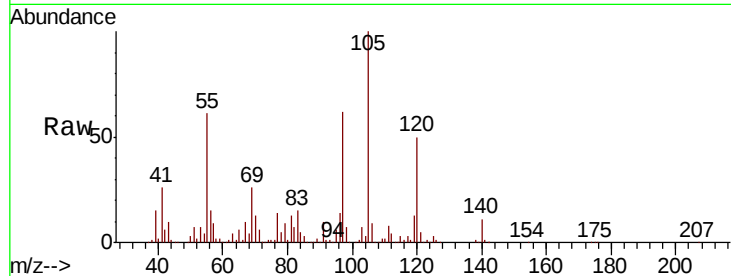




#80
 1,3,5-Trimethylbenzene
 Concen: 10.724 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053058.D
 Acq: 20 Dec 2018 15:54

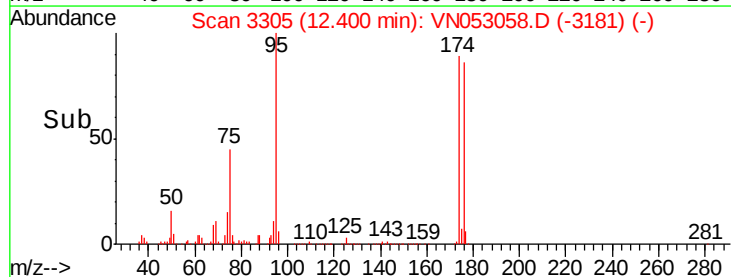
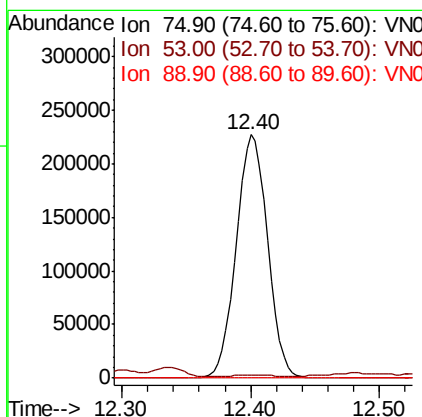
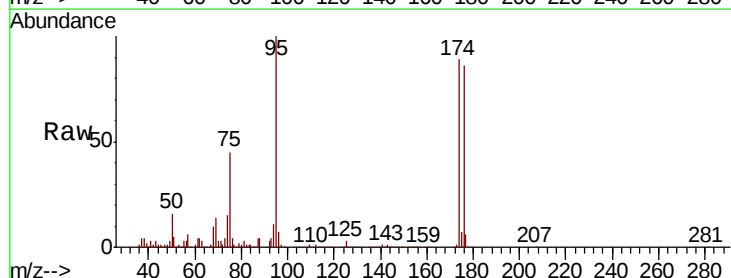
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3A(17-18FT)1218DL

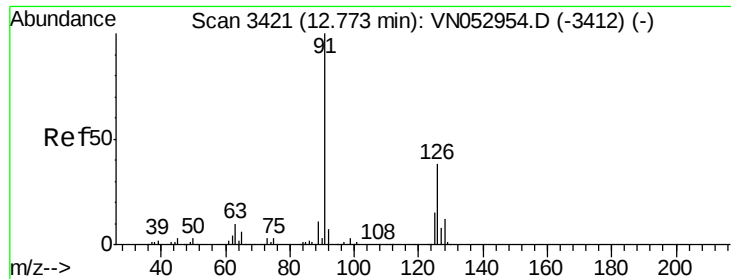
Tot Ion:105 Resp: 543585
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.306 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053058.D
 Acq: 20 Dec 2018 15:54

Tgt Ion: 75 Resp: 383179
 Ion Ratio Lower Upper
 75 100
 53 1.0 74.7 112.1#
 89 0.0 36.1 54.1#





#82

4-Chlorotoluene

Concen: 1.162 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

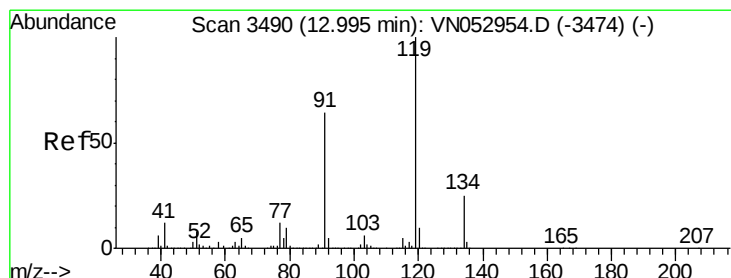
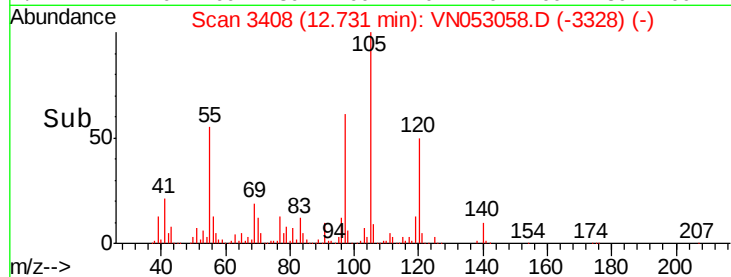
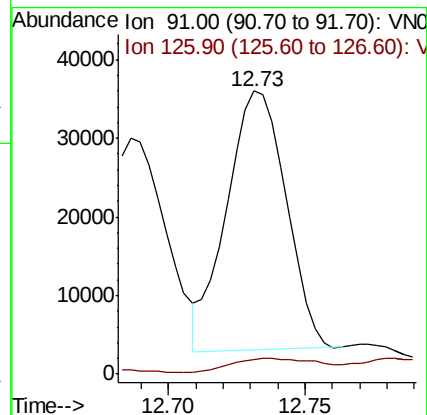
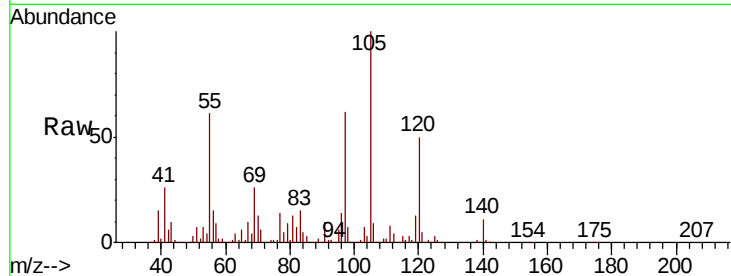
EP1-SBR-3A(17-18FT)1218DL

Tot Ion: 91 Resp: 49940

Ion Ratio Lower Upper

91 100

126 8.2 17.3 51.7#



#83

tert-Butylbenzene

Concen: 0.680 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

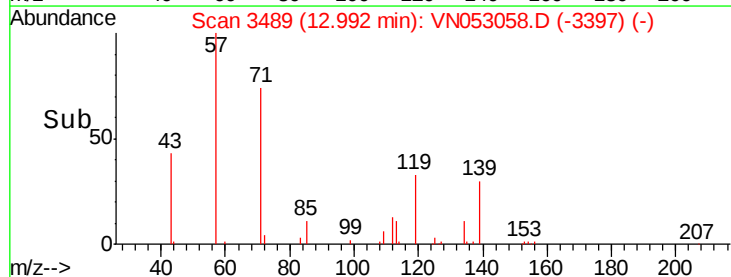
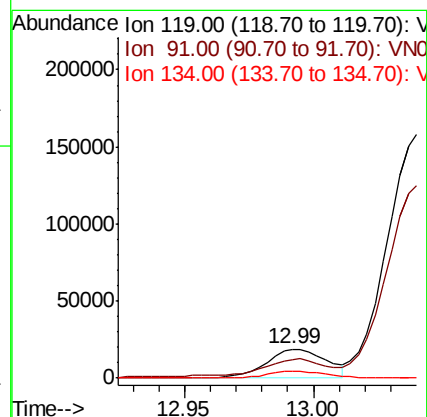
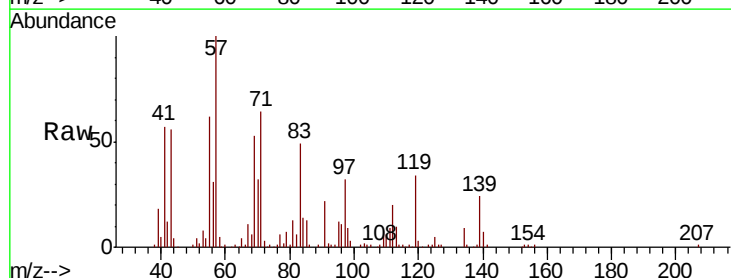
Tgt Ion: 119 Resp: 30494

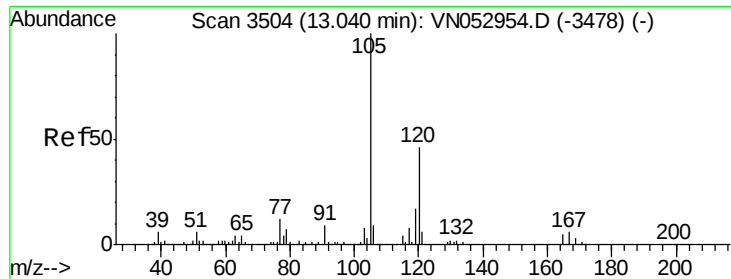
Ion Ratio Lower Upper

119 100

91 64.3 31.9 95.5

134 23.4 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 39.739 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

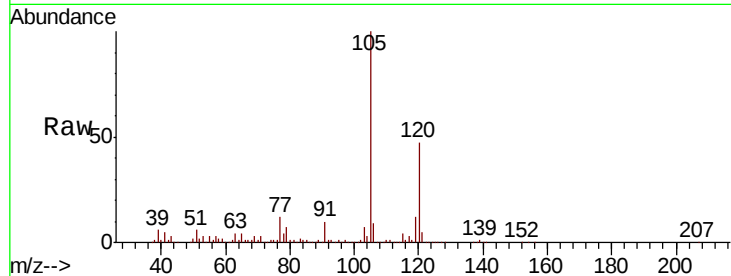
EP1-SBR-3A(17-18FT)1218DL

Tot Ion:105 Resp: 2024904

Ion Ratio Lower Upper

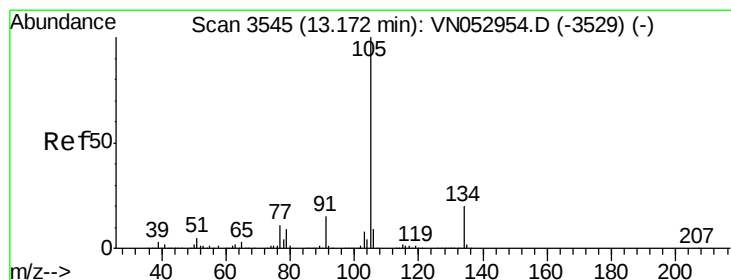
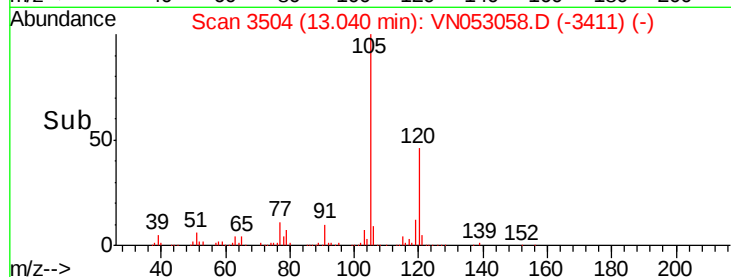
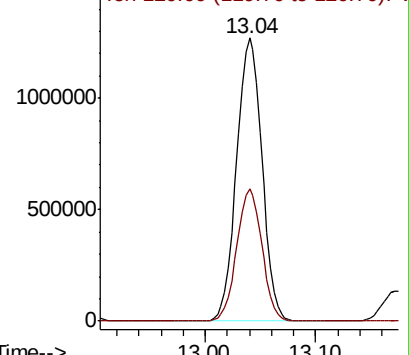
105 100

120 46.4 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 3.619 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053058.D

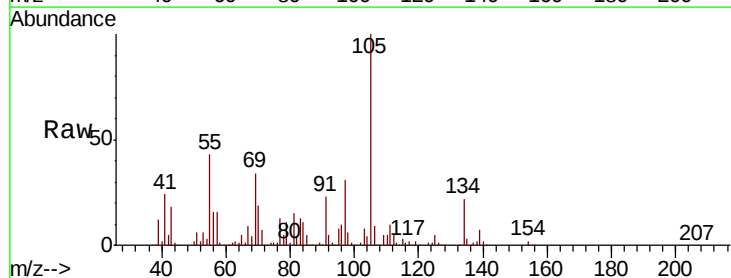
Acq: 20 Dec 2018 15:54

Tgt Ion:105 Resp: 219437

Ion Ratio Lower Upper

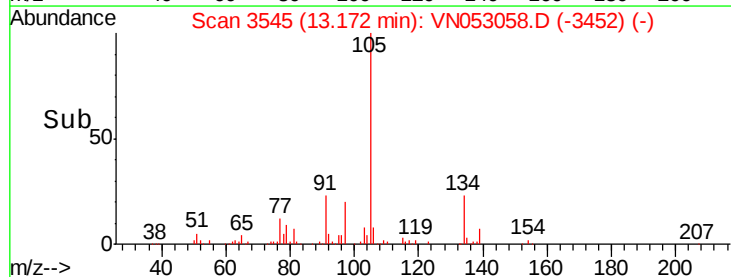
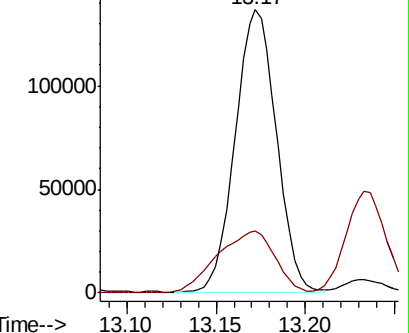
105 100

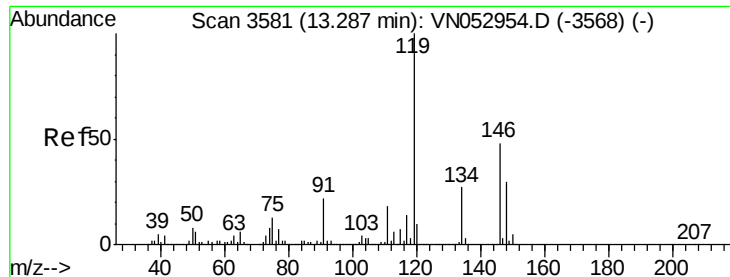
134 30.8 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

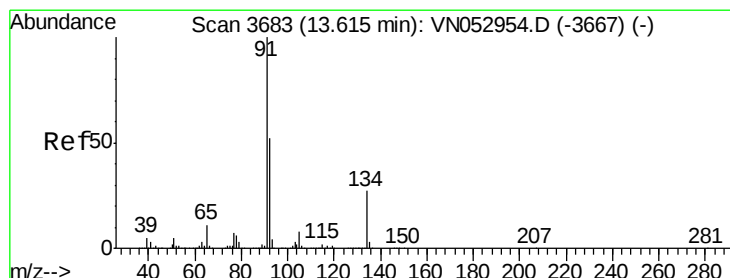
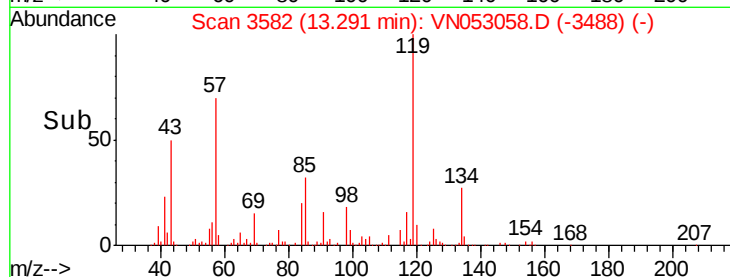
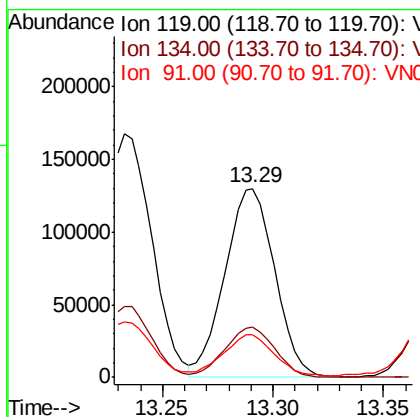
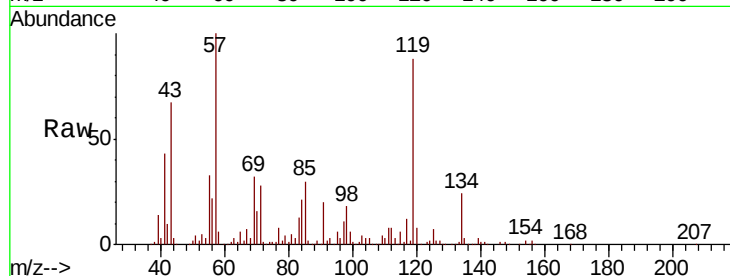




#86
 p-Isopropyltoluene
 Concen: 3.875 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053058.D
 Acq: 20 Dec 2018 15:54

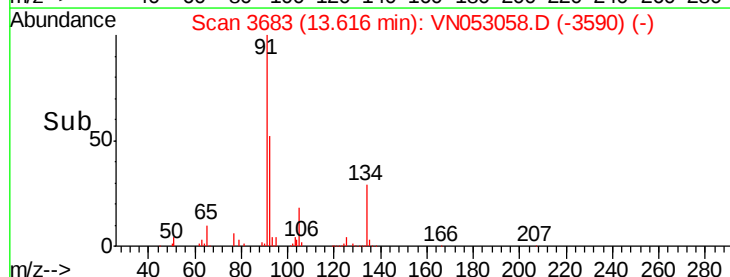
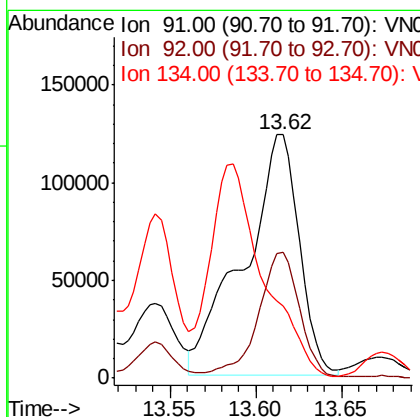
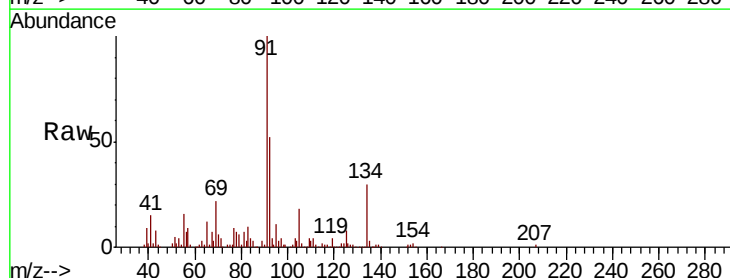
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3A(17-18FT)1218DL

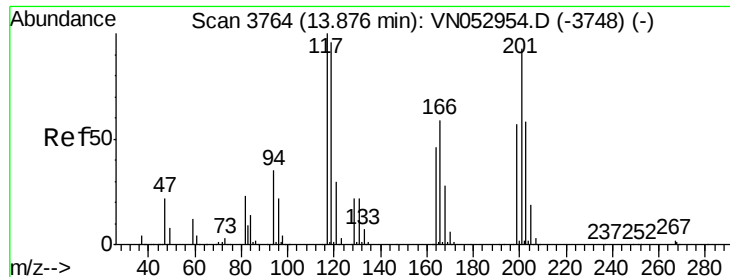
Tot Ion: 119 Resp: 203043
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 21.1 11.1 33.3



#89
 n-Butylbenzene
 Concen: 6.104 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN053058.D
 Acq: 20 Dec 2018 15:54

Tgt Ion: 91 Resp: 275137
 Ion Ratio Lower Upper
 91 100
 92 38.7 26.3 78.9
 134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 3.546 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

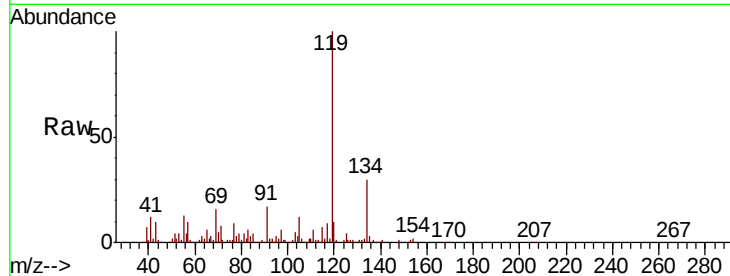
EP1-SBR-3A(17-18FT)1218DL

Tot Ion:117 Resp: 28513

Ion Ratio Lower Upper

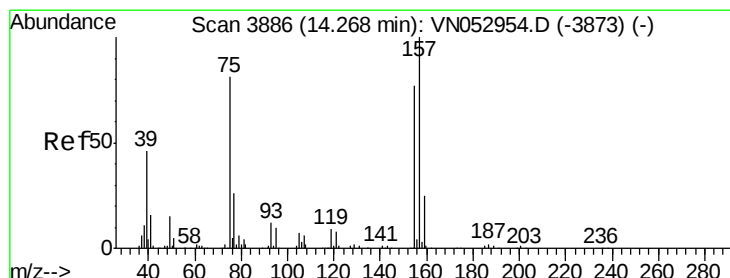
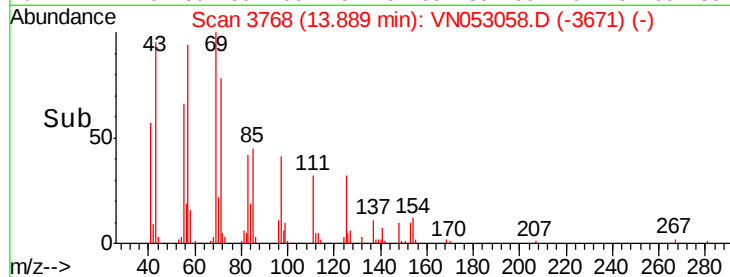
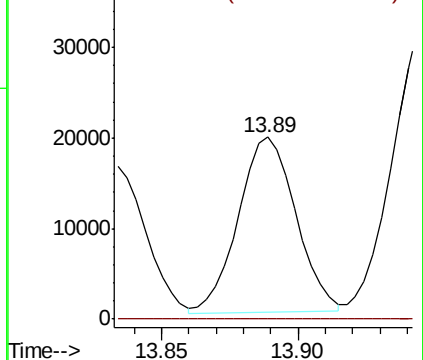
117 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.327 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

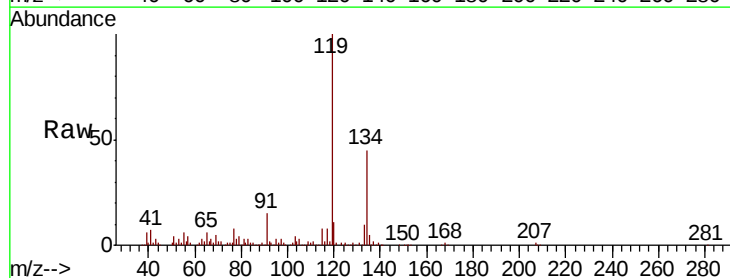
Tgt Ion: 75 Resp: 690

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

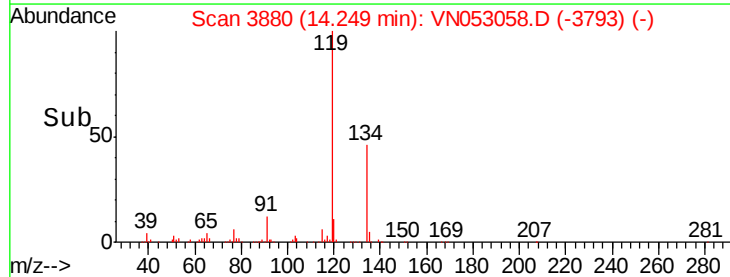
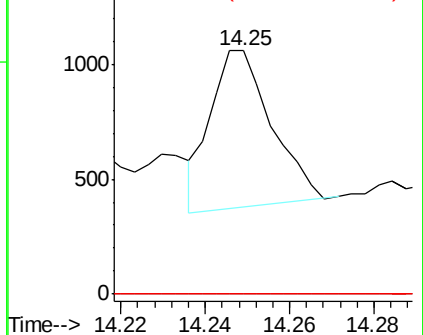
157 0.0 61.2 183.5#

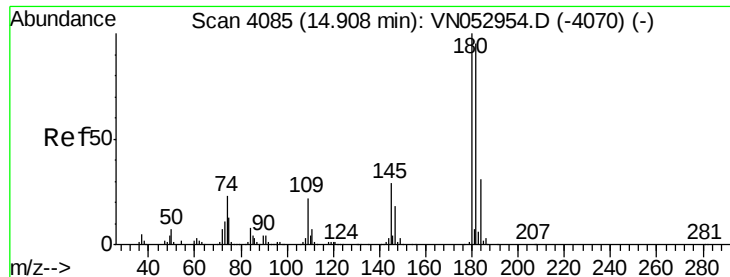


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 1.058 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

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

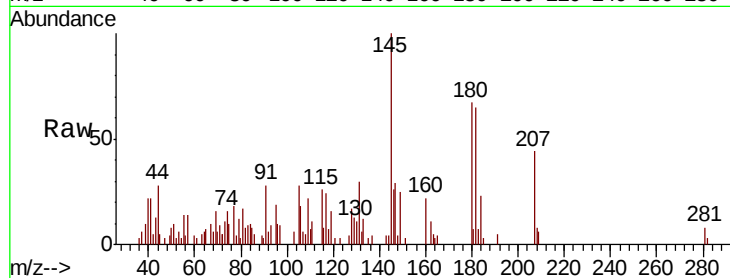
Tot Ion:180 Resp: 6666

Ion Ratio Lower Upper

180 100

182 100.9 47.8 143.3

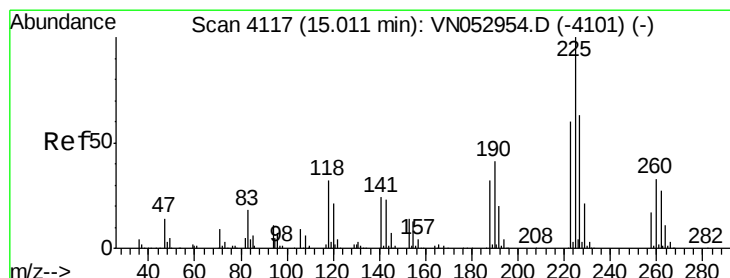
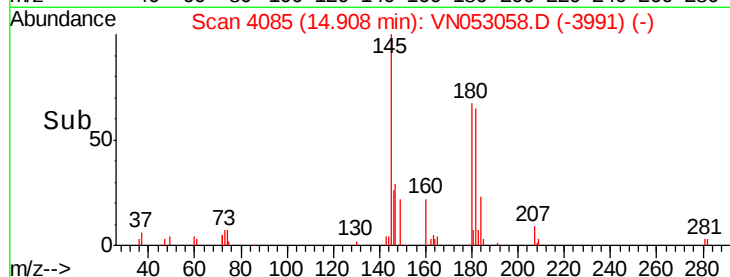
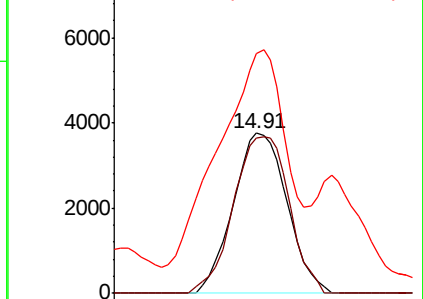
145 203.3 14.2 42.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

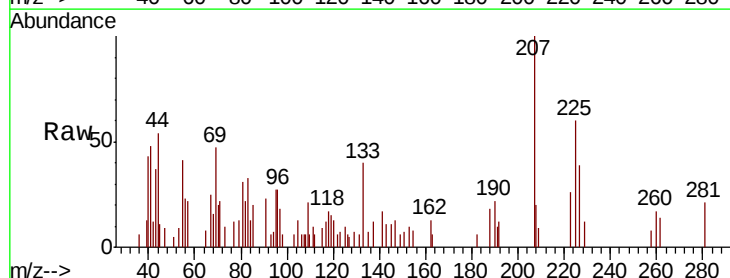
Tgt Ion:225 Resp: 2552

Ion Ratio Lower Upper

225 100

223 29.0 31.5 94.5#

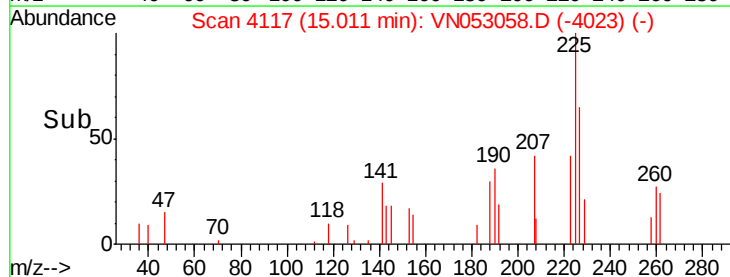
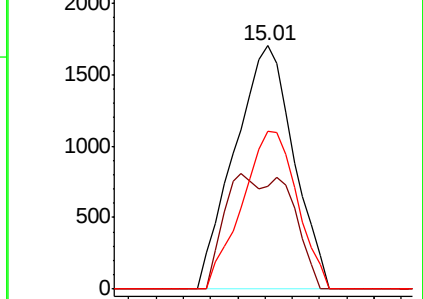
227 60.5 31.9 95.7

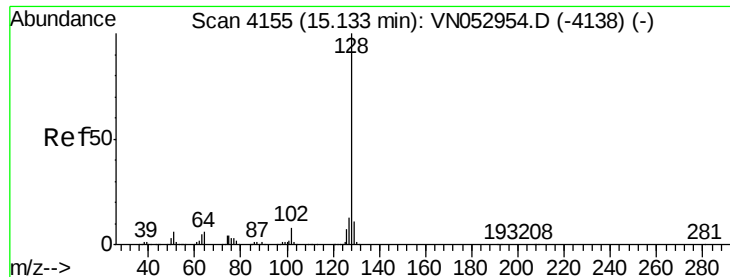


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.191 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

Instrument :

MSVOA_N

ClientSampleId :

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

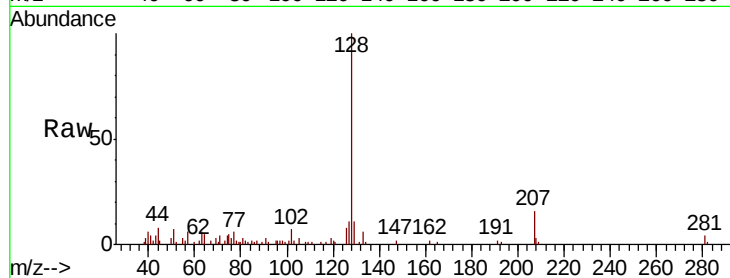
Tot Ion:128 Resp: 33394

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 13.5 8.6 13.0#

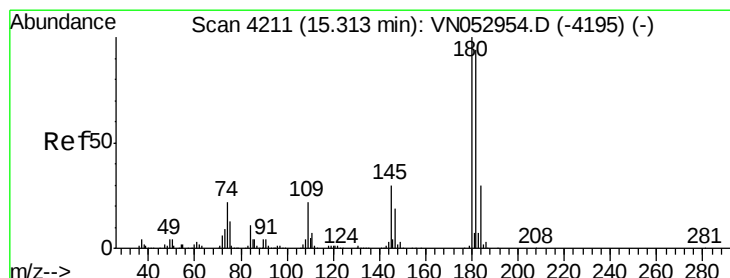
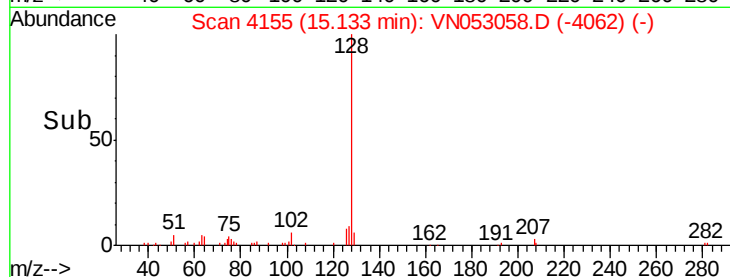
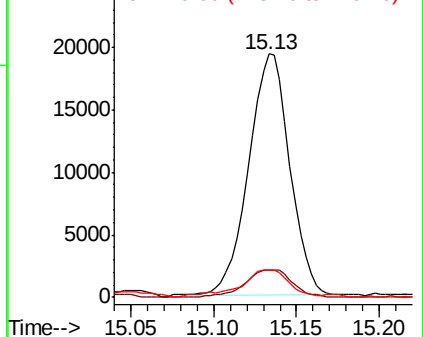


Abundance

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: 1.150 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053058.D

Acq: 20 Dec 2018 15:54

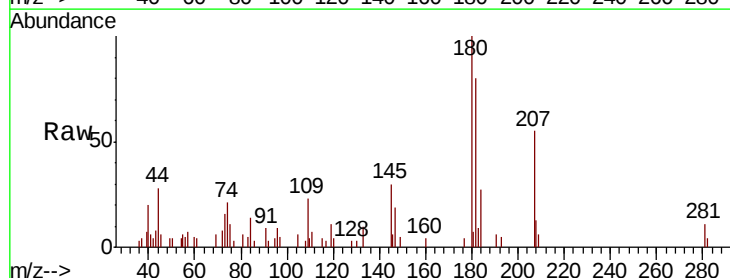
Tgt Ion:180 Resp: 8338

Ion Ratio Lower Upper

180 100

182 92.2 47.9 143.7

145 54.9 15.0 45.0#



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

