

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053035.D
 Acq On : 20 Dec 2018 2:50
 Operator : MD\SY
 Sample : J6411-11
 Misc : 5.24g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 42 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-4A(12-13FT)1218

Quant Time: Dec 20 05:30:30 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	1335027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2019236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1861256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	813387	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	636123	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	7.59	113	521303	56.52	ug/l	0.00
Spiked Amount			Recovery	=	113.04%	
50) Toluene-d8	10.09	98	2523310	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	1052549	60.55	ug/l	0.00
Spiked Amount			Recovery	=	121.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	938	0.353	ug/l	89
18) Methyl Acetate	4.34	43	4537	1.361	ug/l	90
31) Cyclohexane	7.66	56	23246	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	85341	4.403	ug/l #	48
38) Carbon Tetrachloride	7.67	117	113480	6.388	ug/l #	15
39) Methylcyclohexane	9.08	83	45501	1.933	ug/l	96
43) Isopropyl Acetate	8.33	43	208505	9.104	ug/l #	53
48) Methyl methacrylate	9.14	41	3144	0.299	ug/l #	39
51) 4-Methyl-2-Pentanone	10.09	43	23830	2.274	ug/l #	29
55) 1,1,2-Trichloroethane	10.53	97	78041	6.260	ug/l #	20
56) Ethyl methacrylate	10.43	69	34667	2.101	ug/l #	15
59) 2-Hexanone	10.72	43	369698	52.150	ug/l #	28
65) Chlorobenzene	11.54	112	25974	0.630	ug/l #	43
67) Ethyl Benzene	11.51	91	47284	0.666	ug/l	96
68) m/p-Xylenes	11.62	106	11674	0.433	ug/l #	1
71) Bromoform	12.40	173	4823	0.465	ug/l #	1
73) Isopropylbenzene	12.25	105	859873	13.511	ug/l	99
74) N-amyl acetate	12.04	43	2650172	149.991	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.46	83	197577	15.825	ug/l #	66
76) 1,2,3-Trichloropropane	12.66	75	29724	2.171	ug/l #	100
78) n-propylbenzene	12.59	91	2042270	28.177	ug/l	100
79) 2-Chlorotoluene	12.66	91	448806	9.990	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.73	105	5347045	103.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	393803	92.698	ug/l #	17
82) 4-Chlorotoluene	12.73	91	551503	12.540	ug/l #	53
83) tert-Butylbenzene	12.99	119	199023	4.338	ug/l	89
84) 1,2,4-Trimethylbenzene	13.04	105	15160568	290.731	ug/l	94
85) sec-Butylbenzene	13.17	105	1456111	23.466	ug/l #	74
86) p-Isopropyltoluene	13.29	119	1406701	26.235	ug/l	100
89) n-Butylbenzene	13.61	91	1341212	29.075	ug/l #	79
90) Hexachloroethane	13.89	117	214152	26.027	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10913	5.055	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	1181	0.676	ug/l #	1
95) Naphthalene	15.13	128	119367	4.794	ug/l	99

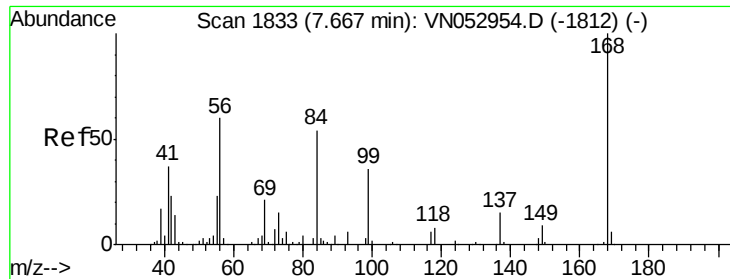
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.33	180	505	0.546	ug/l #	72

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

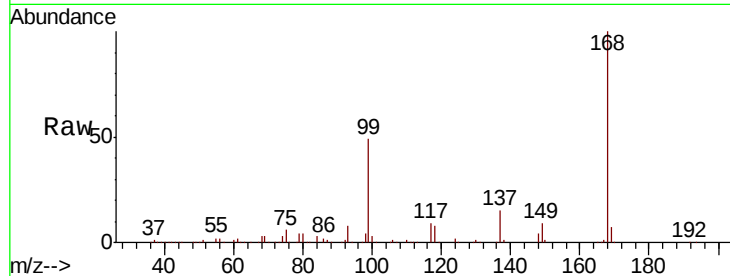
EP1-SBR-4A(12-13FT)1218

Tot Ion:168 Resp: 1335027

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

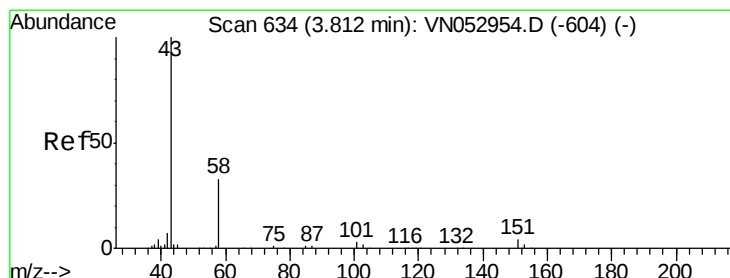
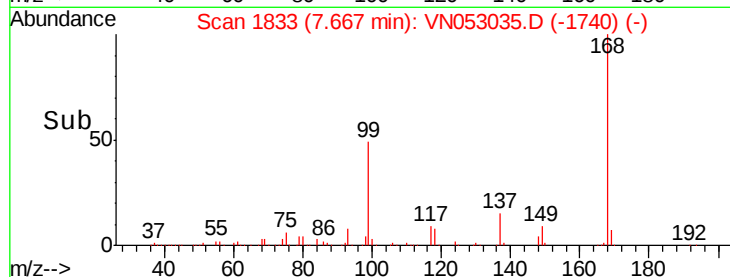
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 0.353 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN053035.D

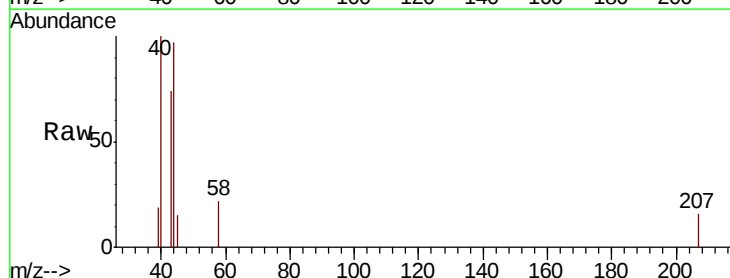
Acq: 20 Dec 2018 2:50

Tgt Ion: 43 Resp: 938

Ion Ratio Lower Upper

43 100

58 37.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.81

800

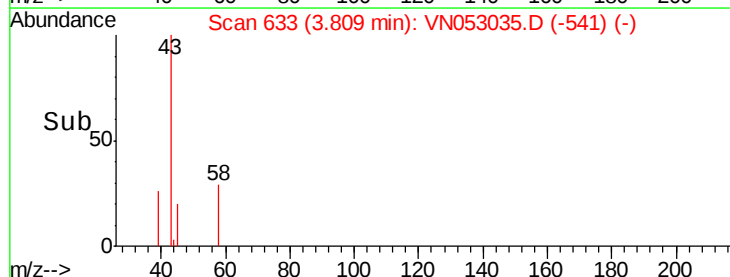
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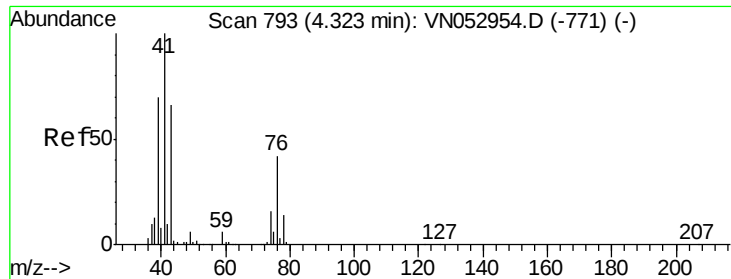
400

200

0

Time-->

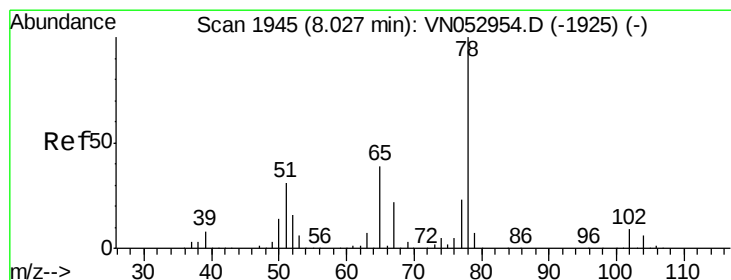
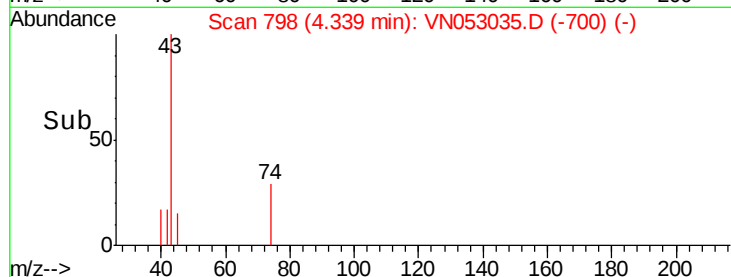
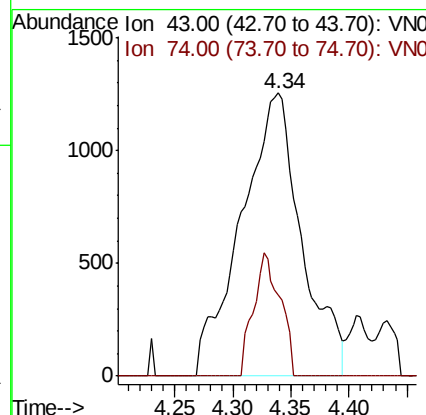
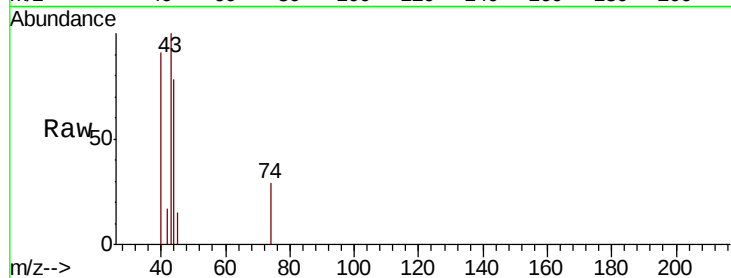




#18
Methyl Acetate
Concen: 1.361 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

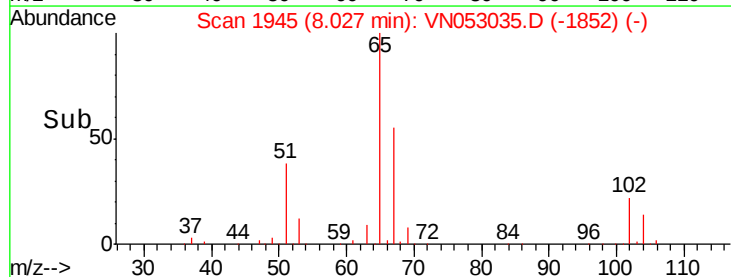
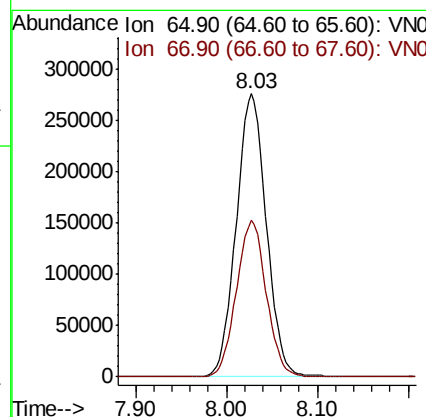
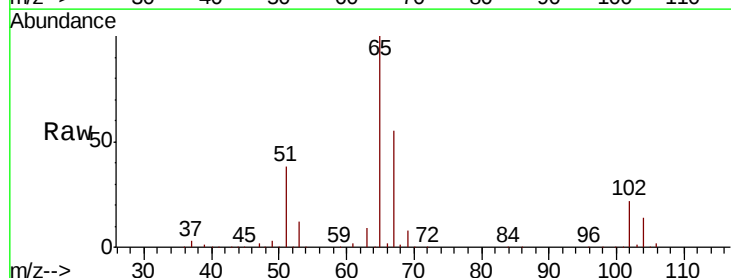
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4A(12-13FT)1218

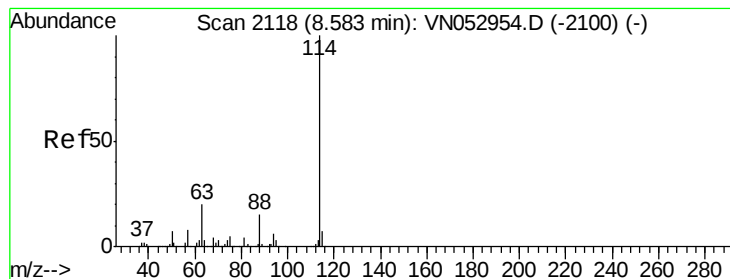
Tot Ion: 43 Resp: 4537
Ion Ratio Lower Upper
43 100
74 19.3 19.2 28.8



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Tgt Ion: 65 Resp: 636123
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: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

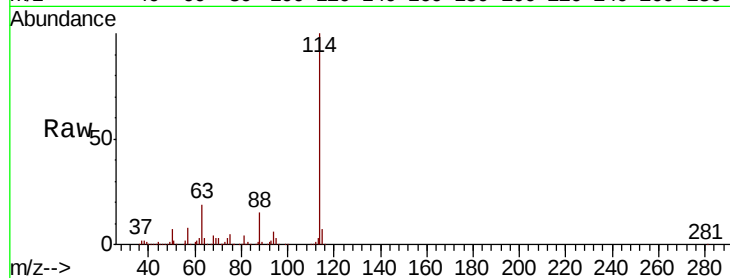
Tot Ion:114 Resp: 2019236

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

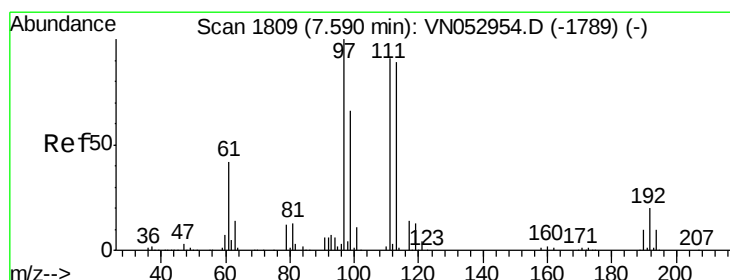
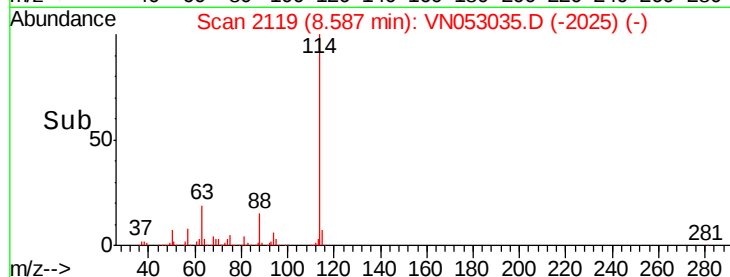
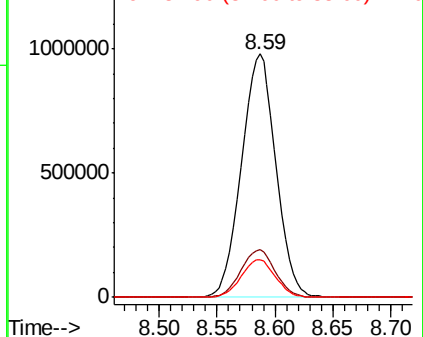
88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

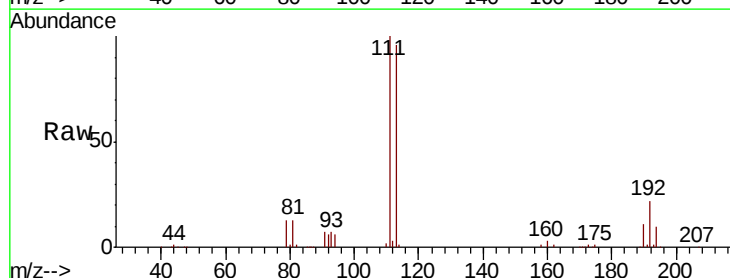
Tgt Ion:113 Resp: 521303

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

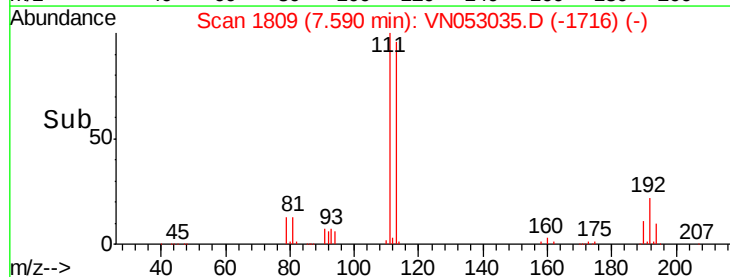
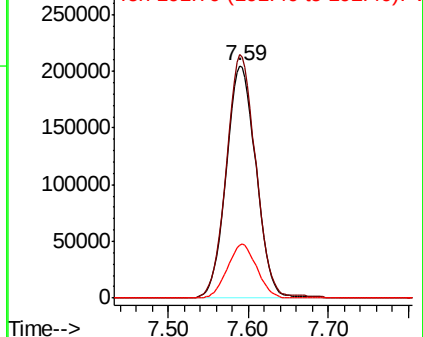
192 22.9 17.5 26.3

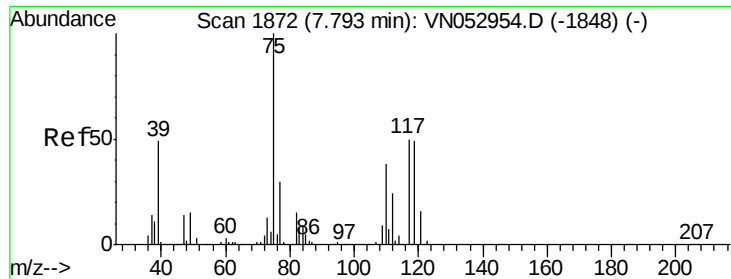


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

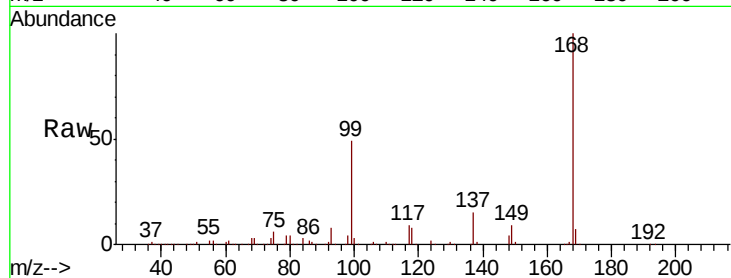




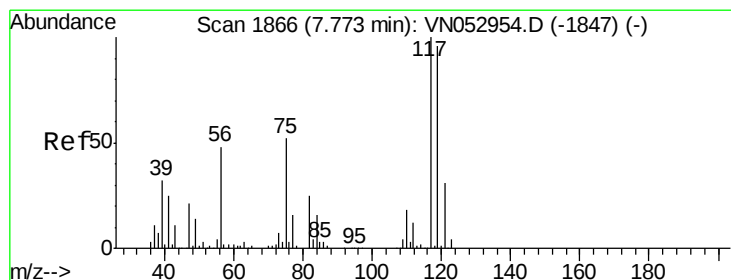
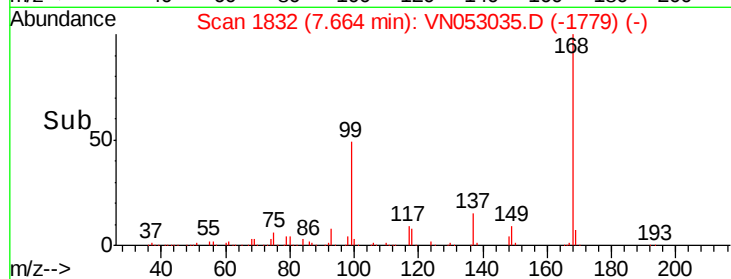
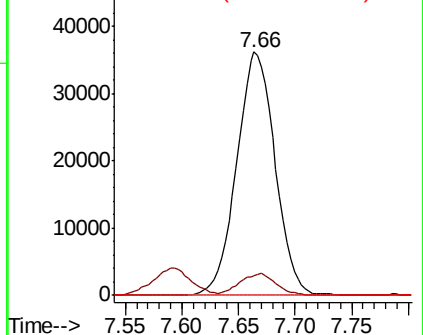
#36
 1,1-Dichloropropene
 Concen: 4.403 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053035.D
 Acq: 20 Dec 2018 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-4A(12-13FT)1218

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.2	54.6#
77	0.0	24.9	37.3#

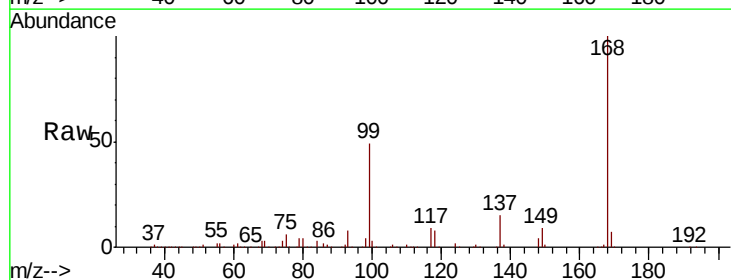


Abundance Ion 74.90 (74.60 to 75.60): VN053035.D (-1779) (-)
 Ion 109.90 (109.60 to 110.60): VN053035.D (-1779) (-)
 Ion 76.90 (76.60 to 77.60): VN053035.D (-1779) (-)

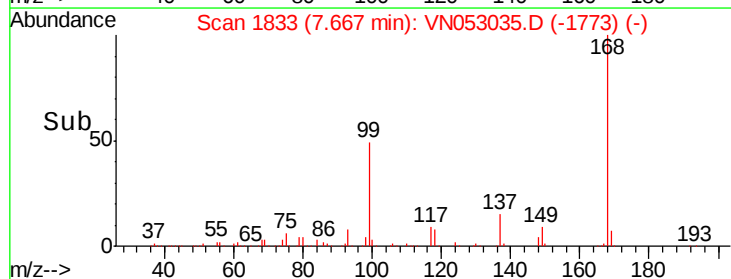
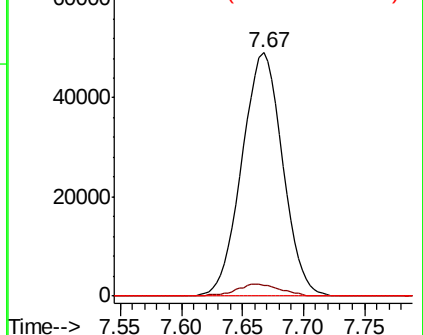


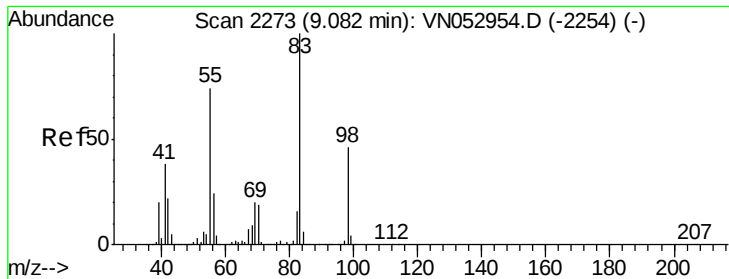
#38
 Carbon Tetrachloride
 Concen: 6.388 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053035.D
 Acq: 20 Dec 2018 2:50

Tgt 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): VN053035.D (-1773) (-)
 Ion 118.80 (118.50 to 119.50): VN053035.D (-1773) (-)
 Ion 120.80 (120.50 to 121.50): VN053035.D (-1773) (-)

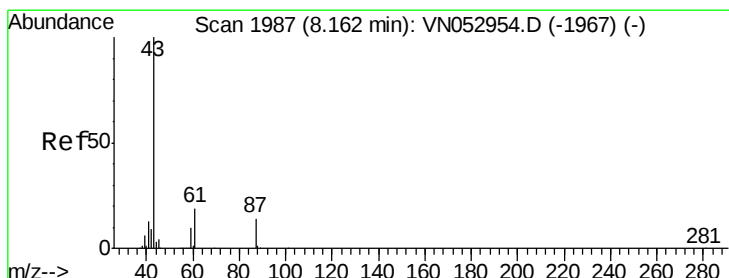
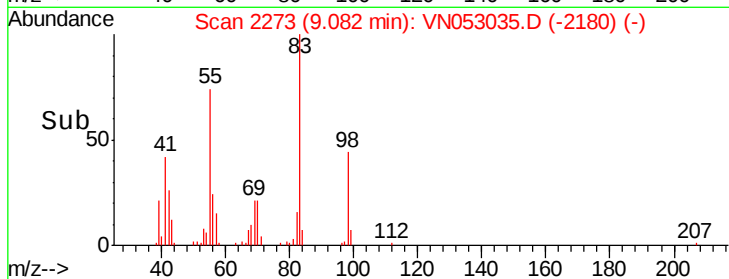
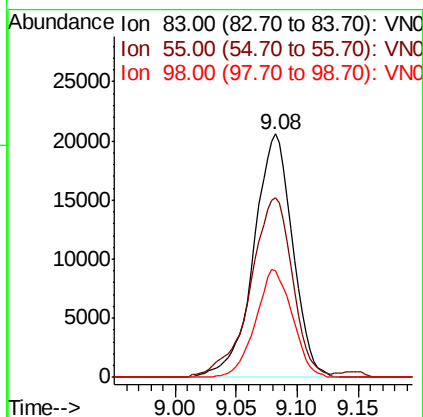
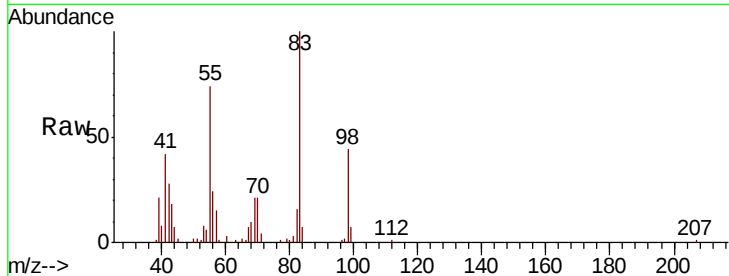




#39
Methylcyclohexane
Concen: 1.933 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

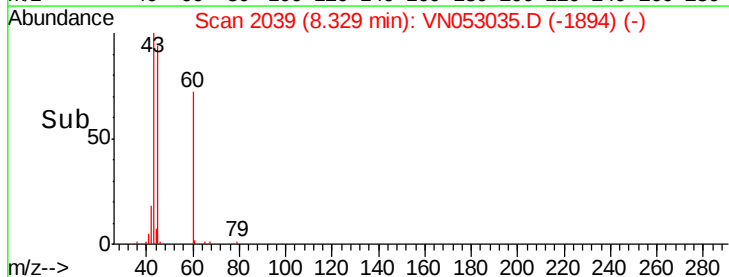
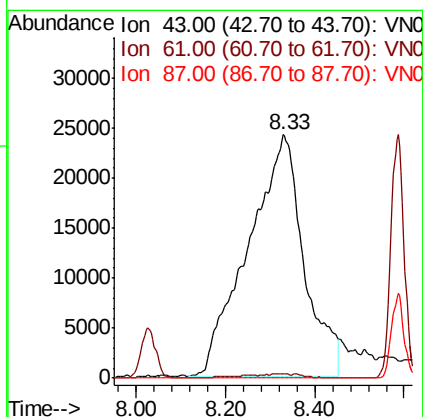
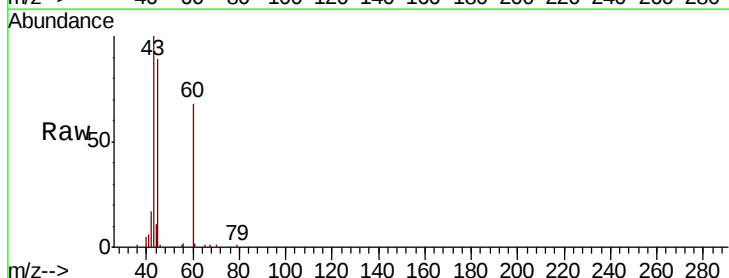
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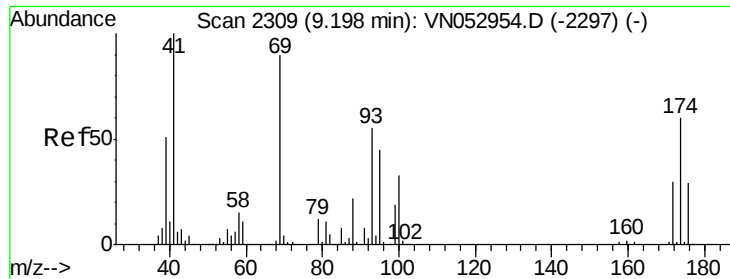
Tot Ion: 83 Resp: 45501
Ion Ratio Lower Upper
83 100
55 73.7 61.3 91.9
98 43.7 37.0 55.4



#43
Isopropyl Acetate
Concen: 9.104 ug/l
RT: 8.33 min Scan# 2039
Delta R.T. 0.17 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Tgt Ion: 43 Resp: 208505
Ion Ratio Lower Upper
43 100
61 0.0 22.9 34.3#
87 0.0 10.6 15.8#

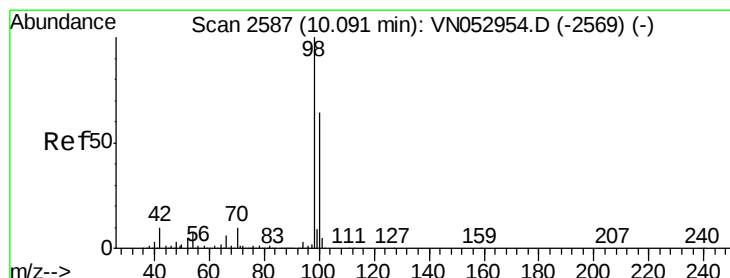
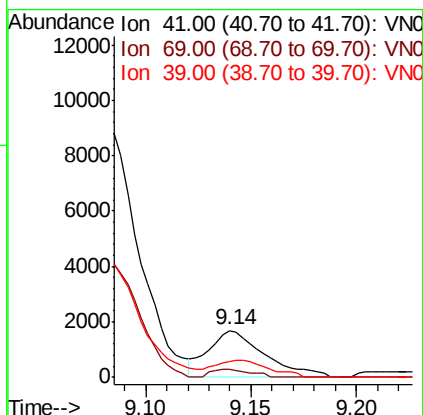
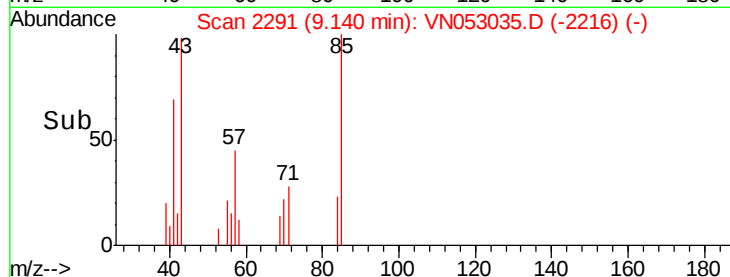
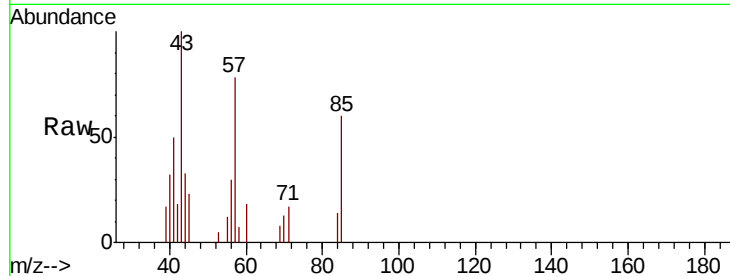




#48
Methvl methacrylate
Concen: 0.299 ug/l
RT: 9.14 min Scan# 2291
Delta R.T. -0.06 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

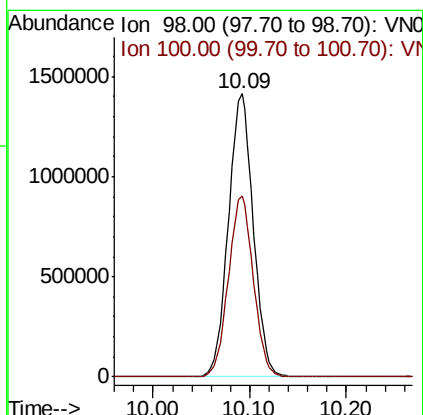
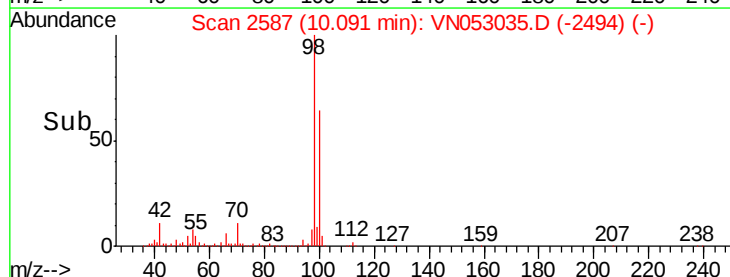
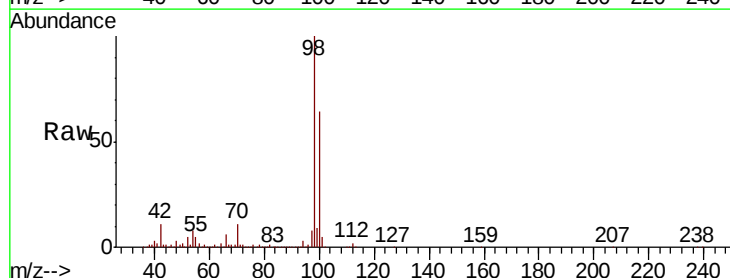
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EP1-SBR-4A(12-13FT)1218

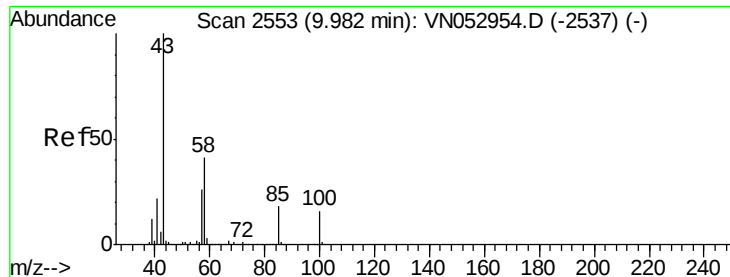
Tot Ion: 41 Resp: 3144
Ion Ratio Lower Upper
41 100
69 12.0 72.2 108.2#
39 36.4 41.9 62.9#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Tgt Ion: 98 Resp: 2523310
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 2.274 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.11 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

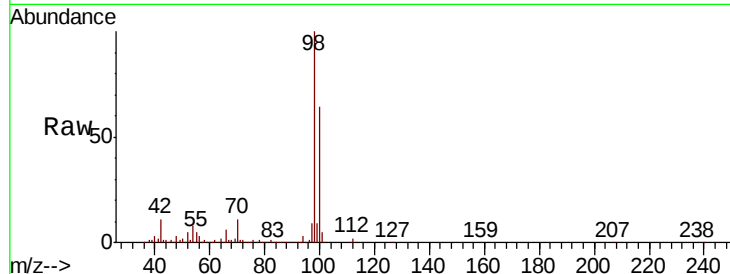
EP1-SBR-4A(12-13FT)1218

Tot Ion: 43 Resp: 23830

Ion Ratio Lower Upper

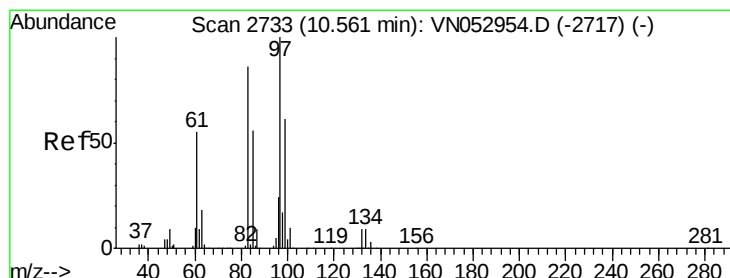
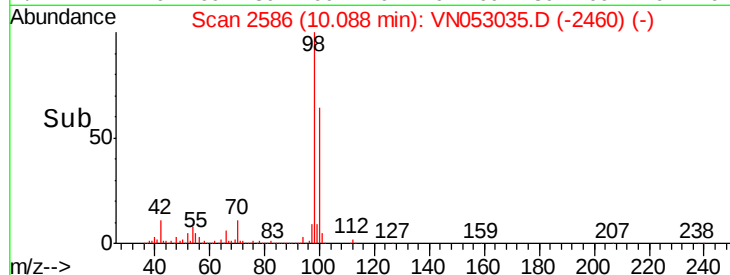
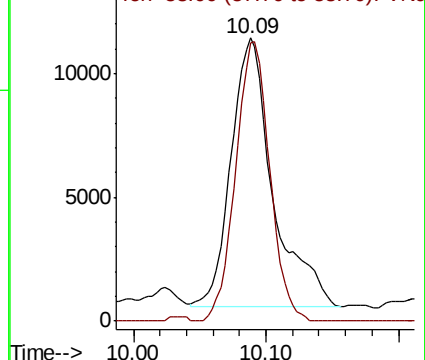
43 100

58 84.5 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#55

1,1,2-Trichloroethane

Concen: 6.260 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Tgt Ion: 97 Resp: 78041

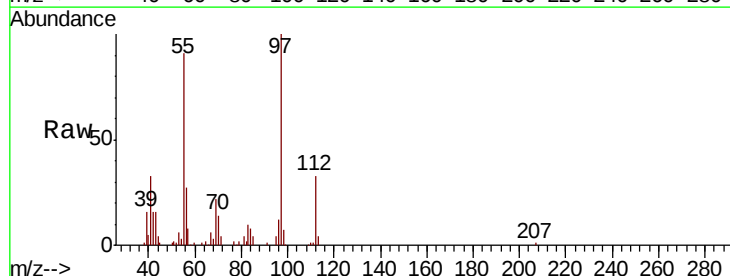
Ion Ratio Lower Upper

97 100

83 9.7 70.9 106.3#

85 4.0 45.4 68.2#

99 0.4 50.4 75.6#

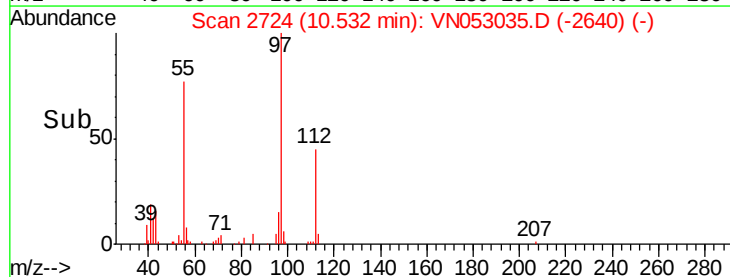
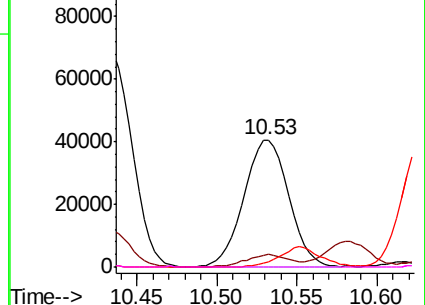


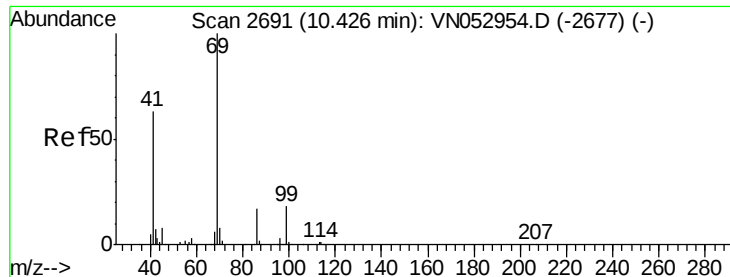
Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO





#56

Ethyl methacrylate

Concen: 2.101 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

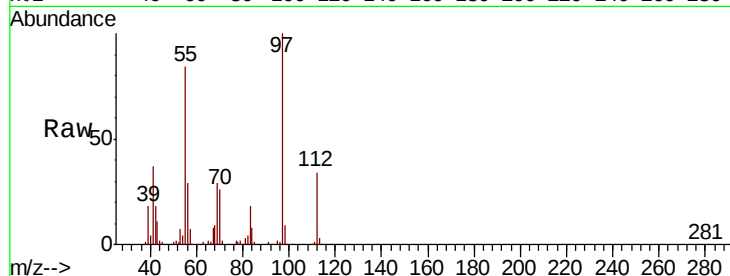
Tot Ion: 69 Resp: 34667

Ion Ratio Lower Upper

69 100

41 139.0 51.7 77.5#

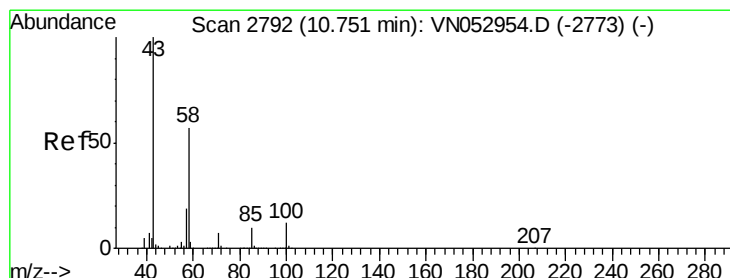
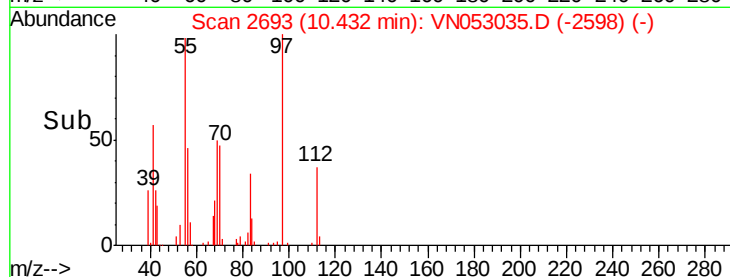
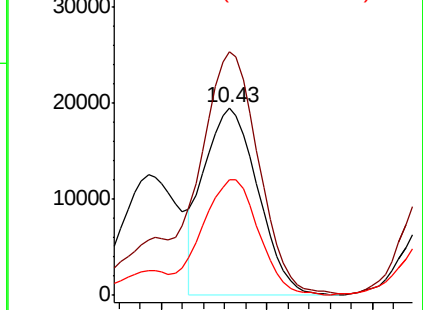
39 65.8 24.6 37.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 52.150 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN053035.D

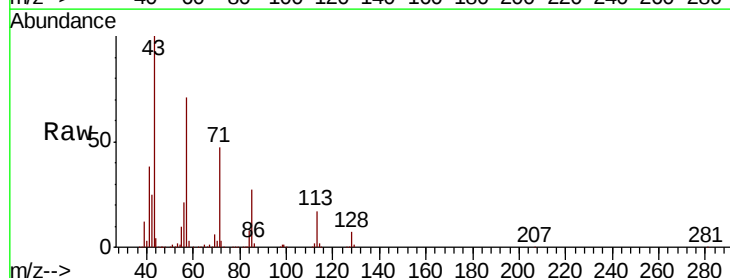
Acq: 20 Dec 2018 2:50

Tgt Ion: 43 Resp: 369698

Ion Ratio Lower Upper

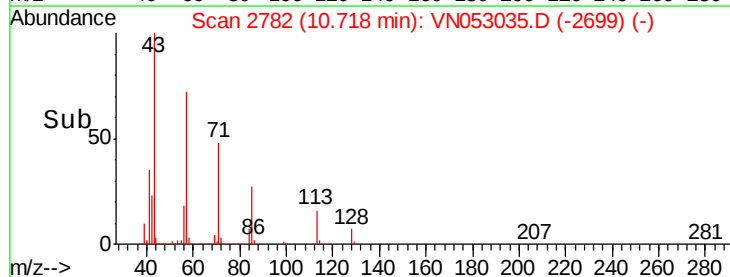
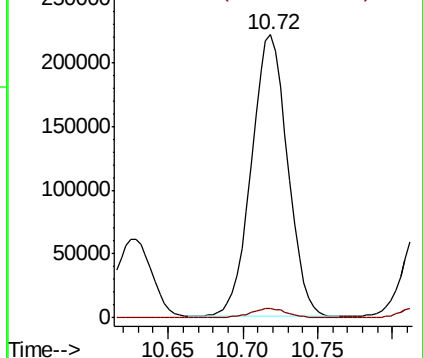
43 100

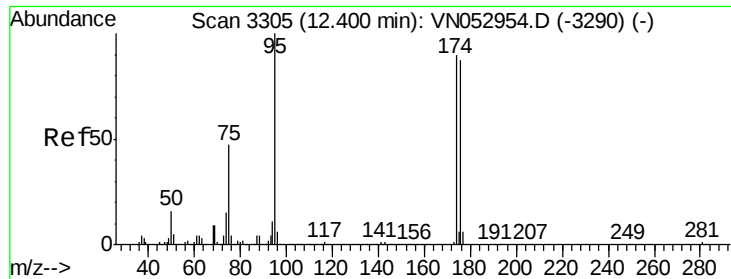
58 3.5 28.1 84.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

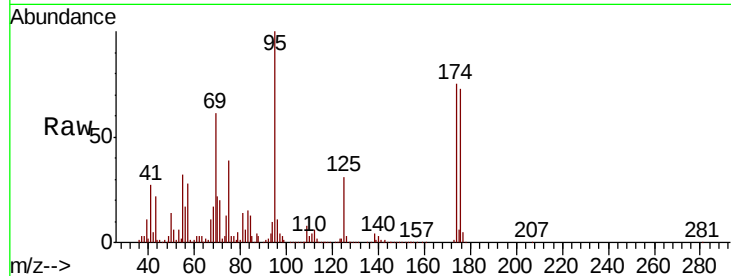
Tot Ion: 95 Resp: 1052549

Ion Ratio Lower Upper

95 100

174 73.4 0.0 178.8

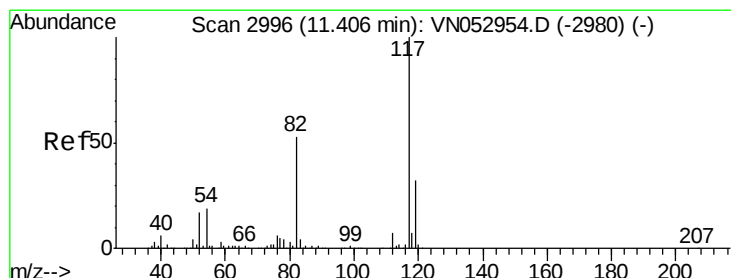
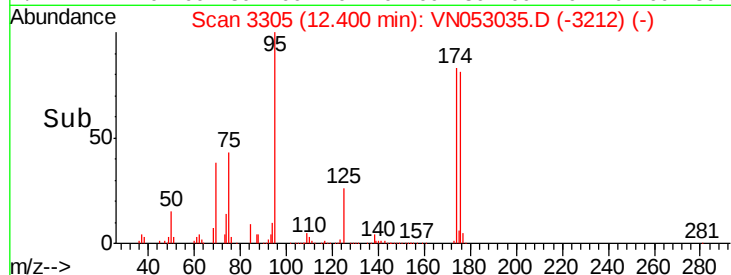
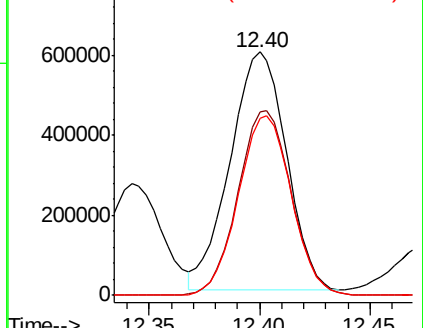
176 71.4 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

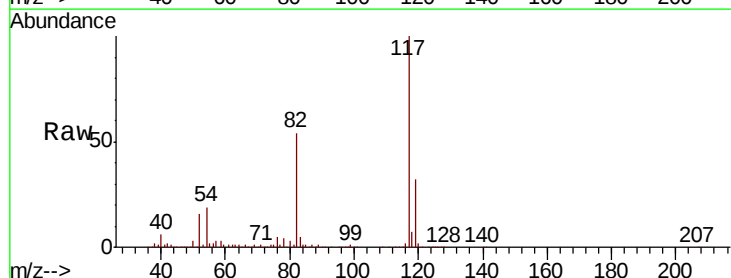
Tgt Ion: 117 Resp: 1861256

Ion Ratio Lower Upper

117 100

82 52.5 42.8 64.2

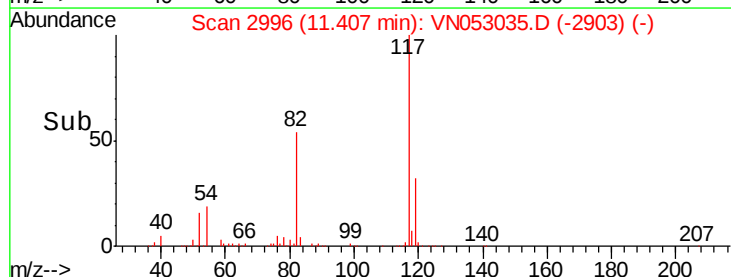
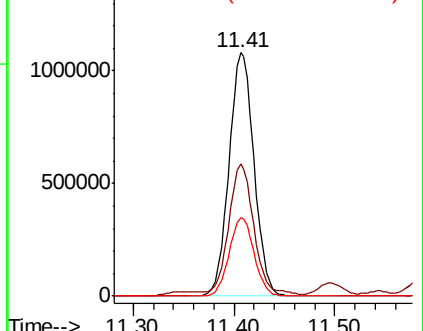
119 32.1 25.5 38.3

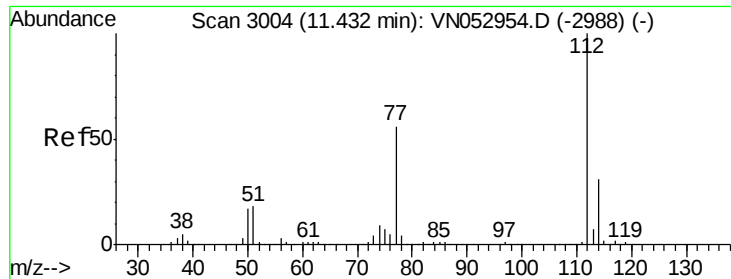


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)





#65

Chlorobenzene

Concen: 0.630 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.11 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

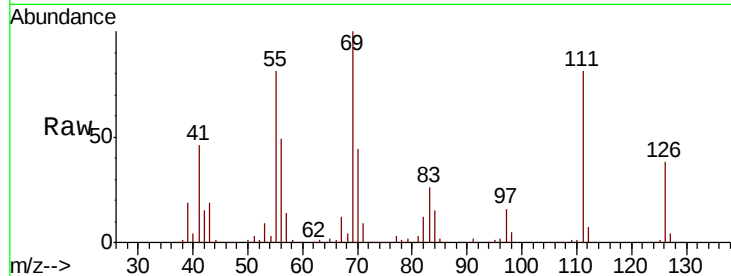
EP1-SBR-4A(12-13FT)1218

Tot Ion:112 Resp: 25974

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

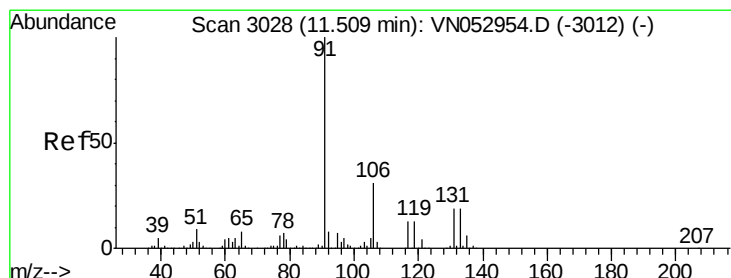
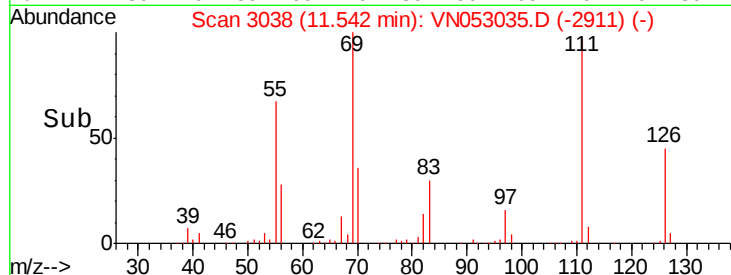
15000

10000

5000

0

Time-->



#67

Ethyl Benzene

Concen: 0.666 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053035.D

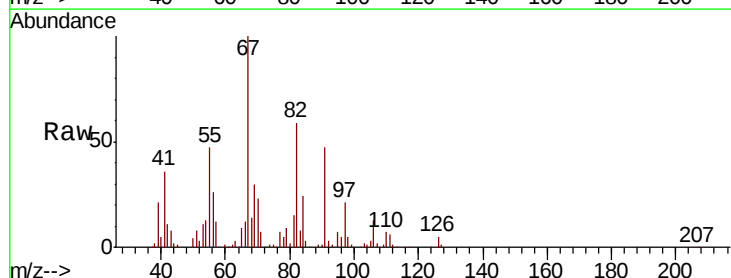
Acq: 20 Dec 2018 2:50

Tgt Ion: 91 Resp: 47284

Ion Ratio Lower Upper

91 100

106 28.9 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

30000

25000

20000

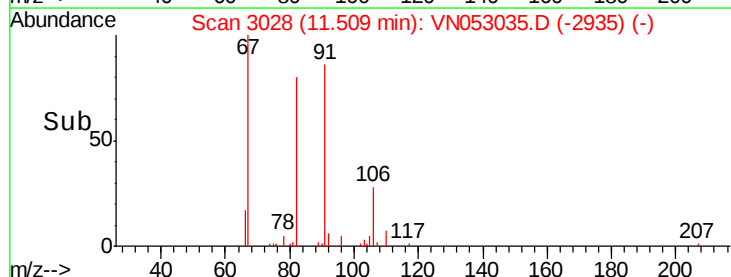
15000

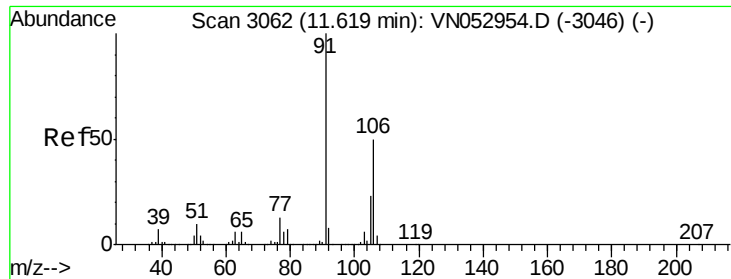
10000

5000

0

Time-->

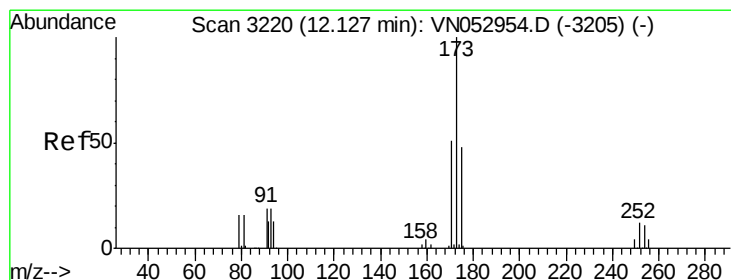
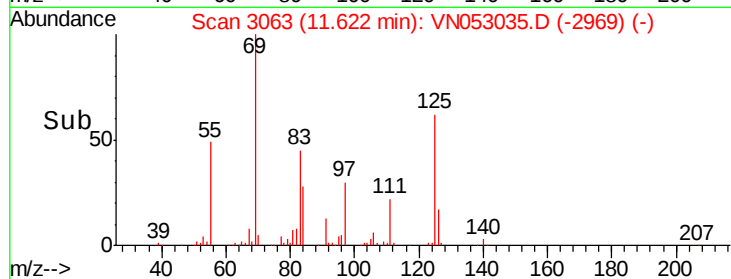
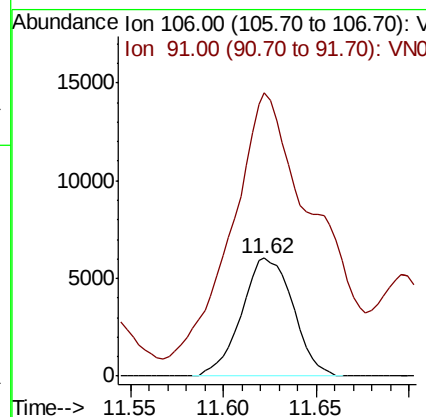
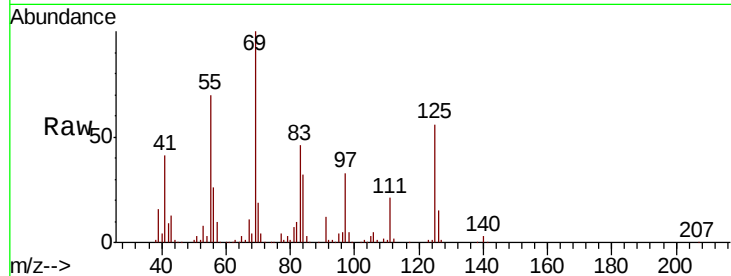




#68
m/p-Xvlenes
Concen: 0.433 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

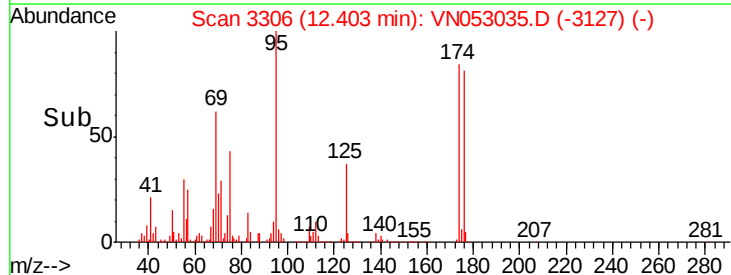
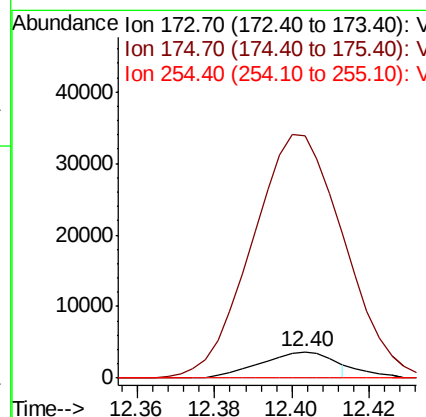
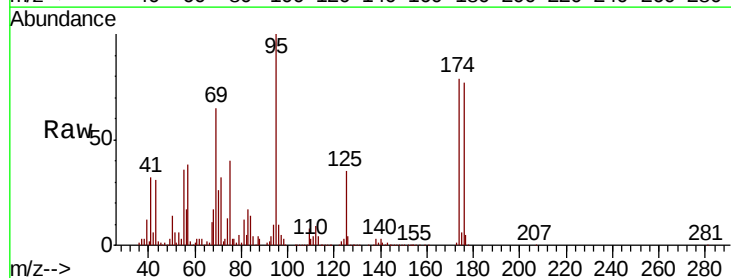
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4A(12-13FT)1218

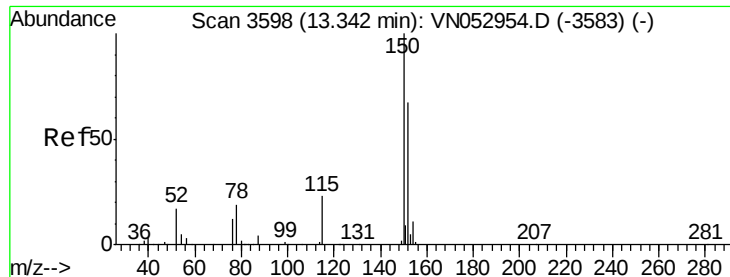
Tot Ion:106 Resp: 11674
Ion Ratio Lower Upper
106 100
91 371.7 162.2 243.4#



#71
Bromoform
Concen: 0.465 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Tgt Ion:173 Resp: 4823
Ion Ratio Lower Upper
173 100
175 1025.6 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: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

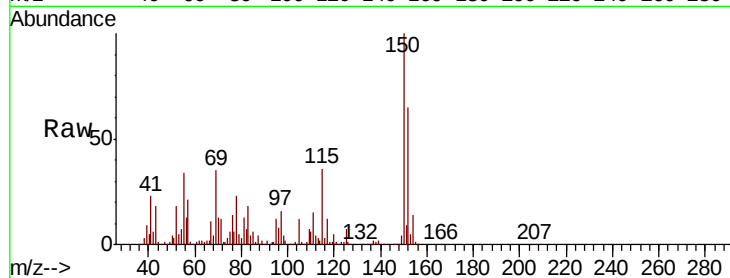
Tot Ion:152 Resp: 813387

Ion Ratio Lower Upper

152 100

115 49.7 28.3 85.0

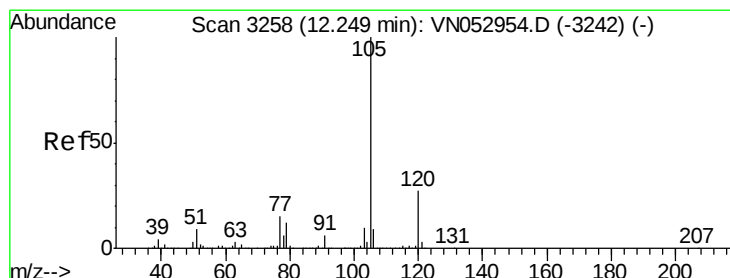
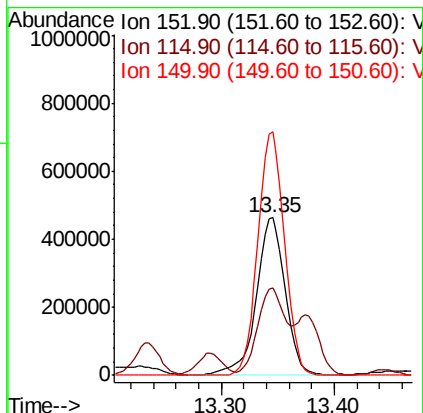
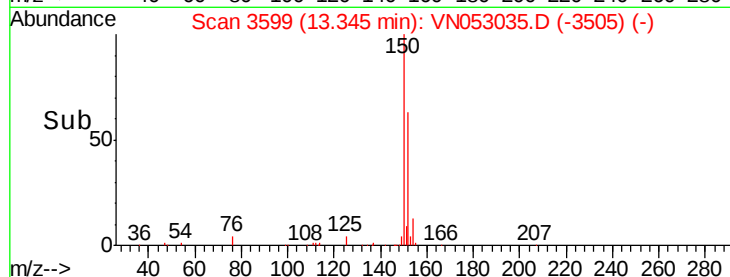
150 143.5 0.0 347.8



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: 13.511 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053035.D

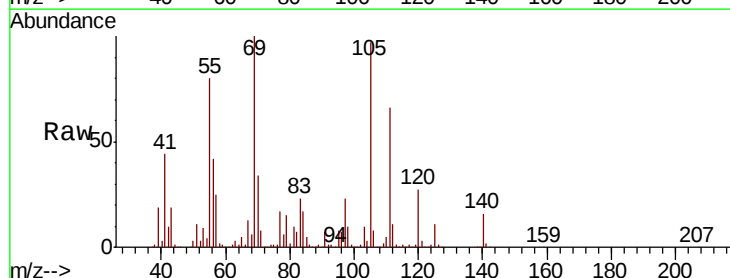
Acq: 20 Dec 2018 2:50

Tgt Ion:105 Resp: 859873

Ion Ratio Lower Upper

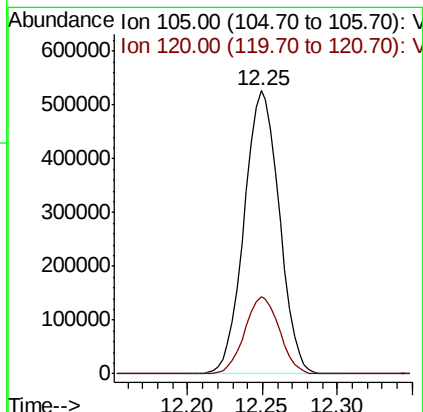
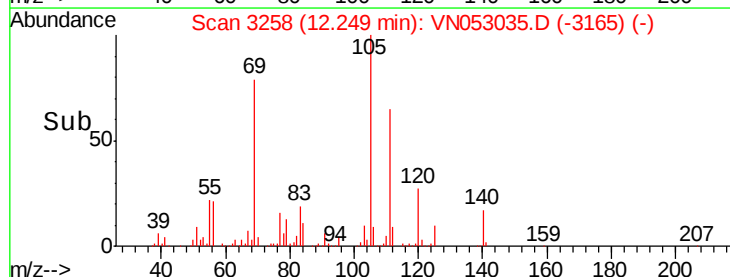
105 100

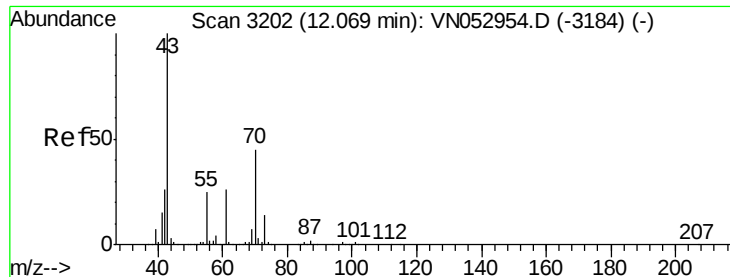
120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 149.991 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

Tot Ion: 43 Resp: 2650172

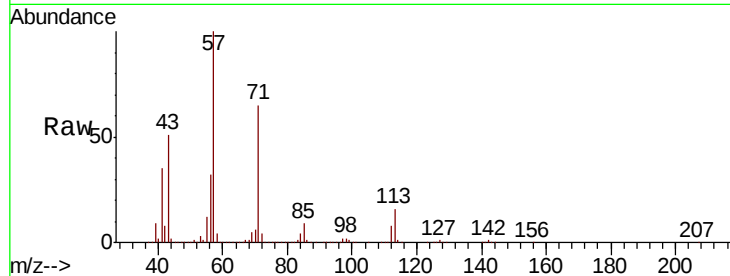
Ion Ratio Lower Upper

43 100

70 9.8 34.2 51.4#

55 17.6 20.3 30.5#

61 0.0 20.0 30.0#

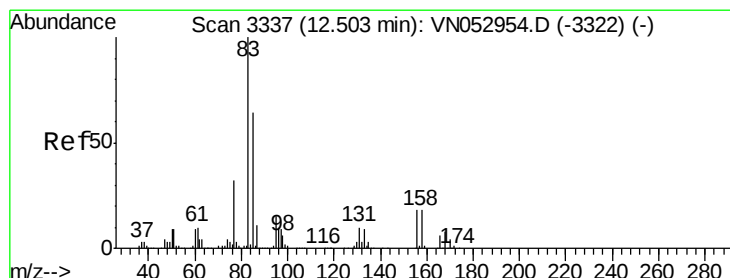
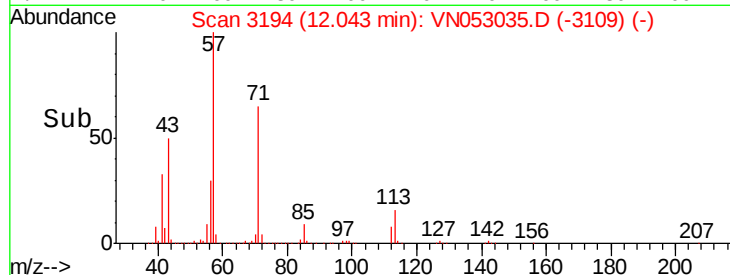
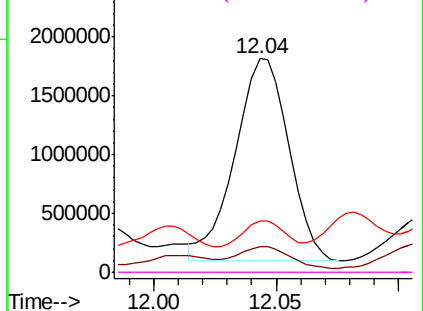


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 15.825 ug/l

RT: 12.46 min Scan# 3324

Delta R.T. -0.04 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

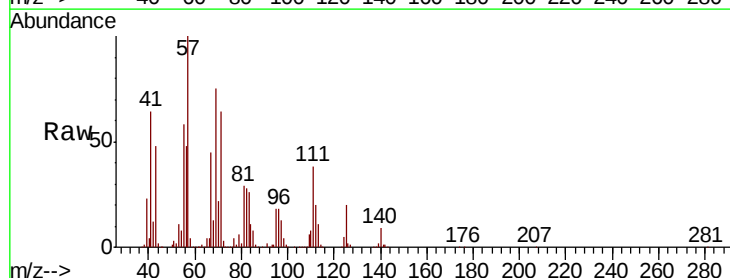
Tgt Ion: 83 Resp: 197577

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

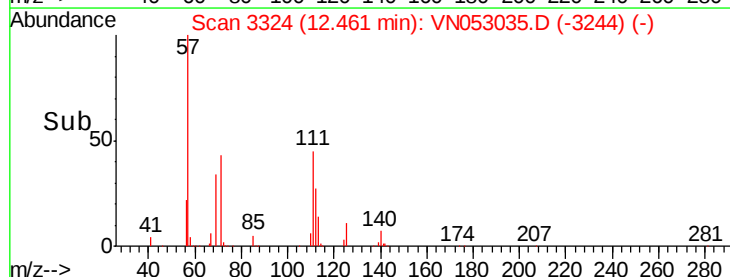
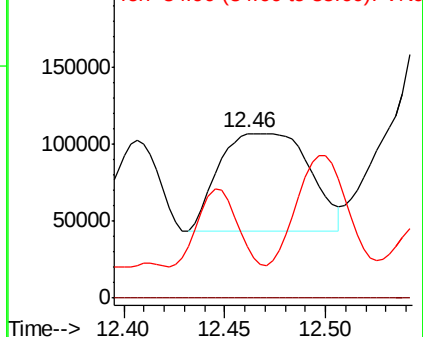
85 37.0 32.4 97.0

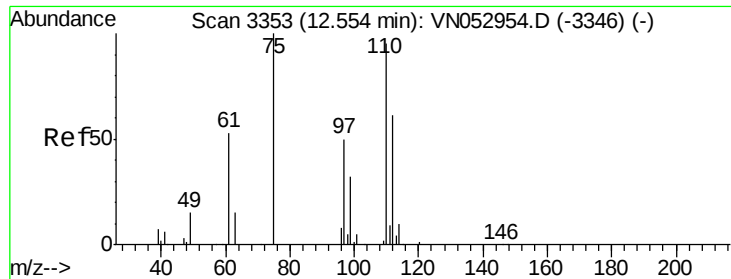


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

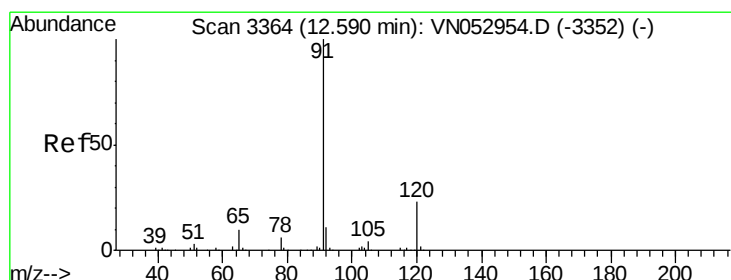
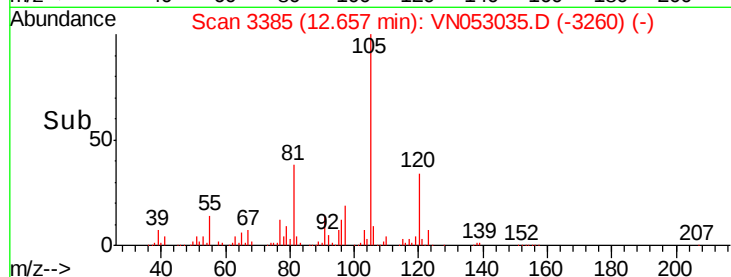
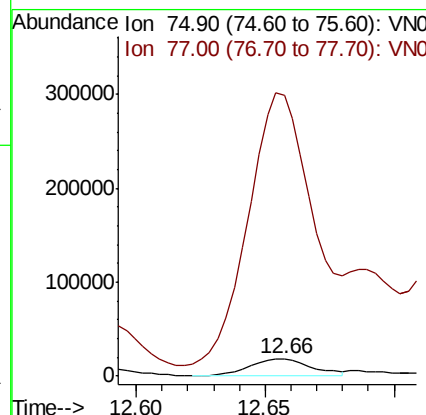
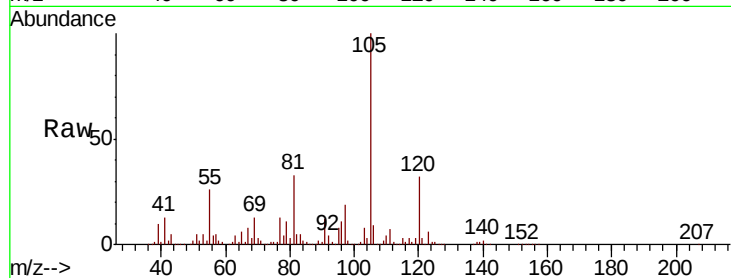




#76
 1,2,3-Trichloropropane
 Concen: 2.171 ug/l
 RT: 12.66 min Scan# 3385
 Delta R.T. 0.10 min
 Lab File: VN053035.D
 Acq: 20 Dec 2018 2:50

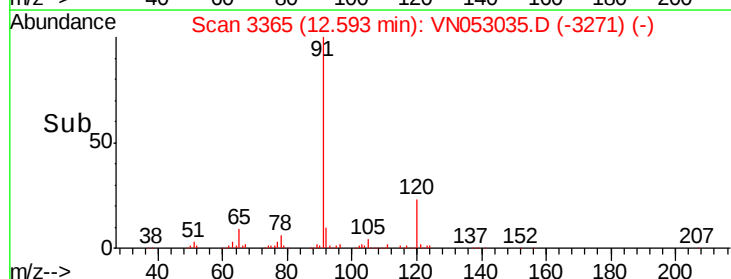
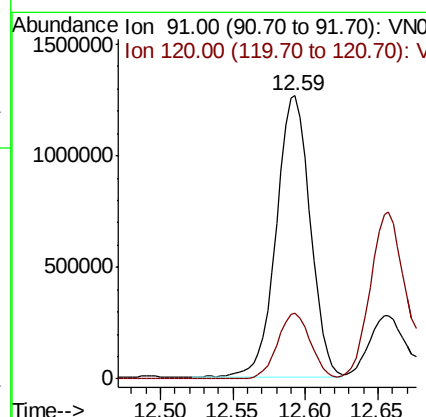
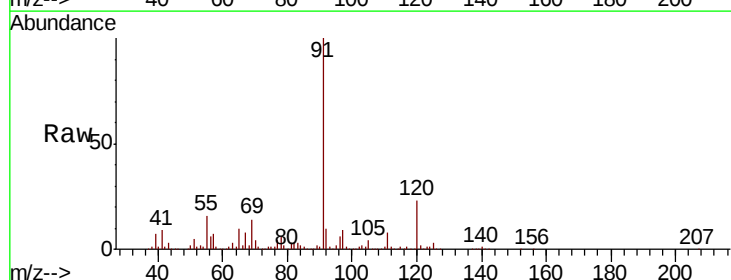
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-4A(12-13FT)1218

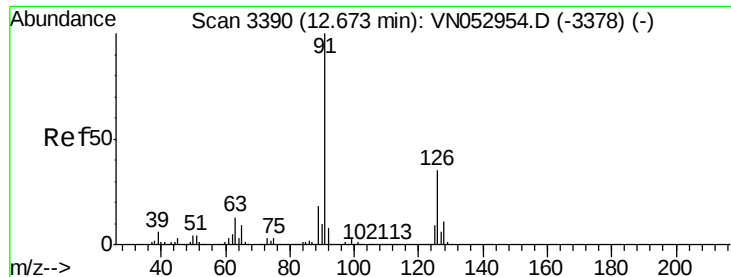
Tot Ion: 75 Resp: 29724
 Ion Ratio Lower Upper
 75 100
 77 1732.8 0.0 0.0#



#78
 n-propylbenzene
 Concen: 28.177 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN053035.D
 Acq: 20 Dec 2018 2:50

Tgt Ion: 91 Resp: 2042270
 Ion Ratio Lower Upper
 91 100
 120 22.9 11.5 34.5

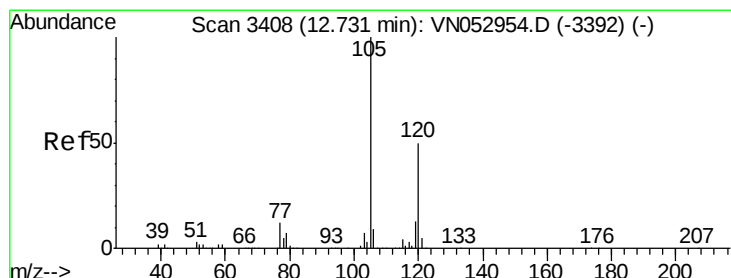
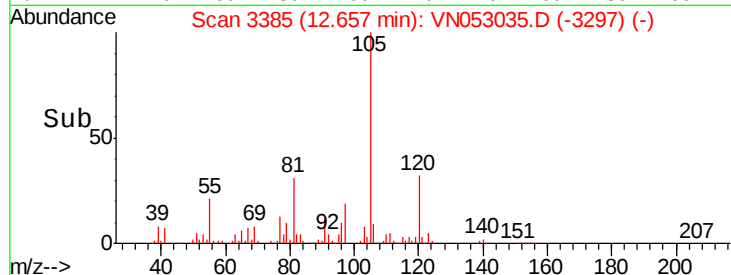
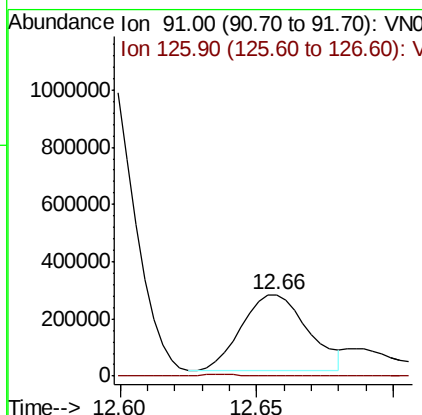
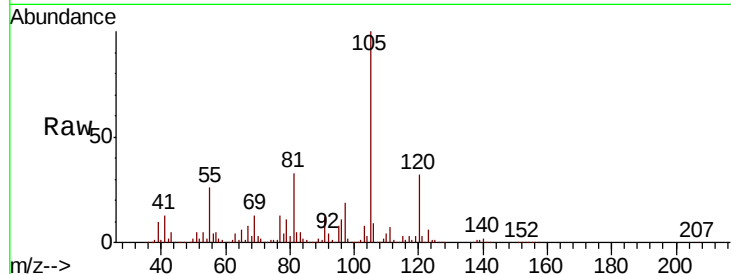




#79
 2-Chlorotoluene
 Concen: 9.990 ug/l
 RT: 12.66 min Scan# 3385
 Delta R.T. -0.02 min
 Lab File: VN053035.D
 Acq: 20 Dec 2018 2:50

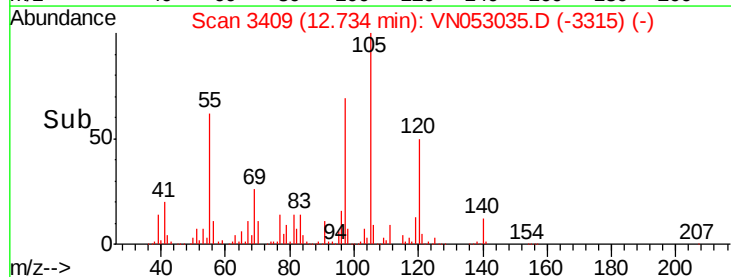
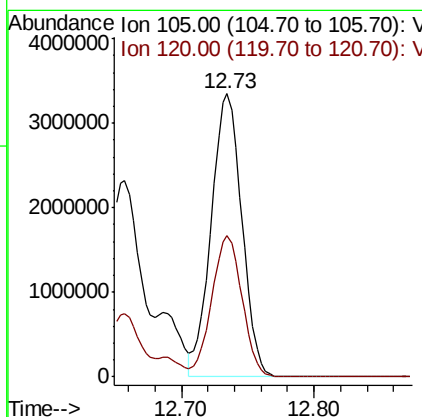
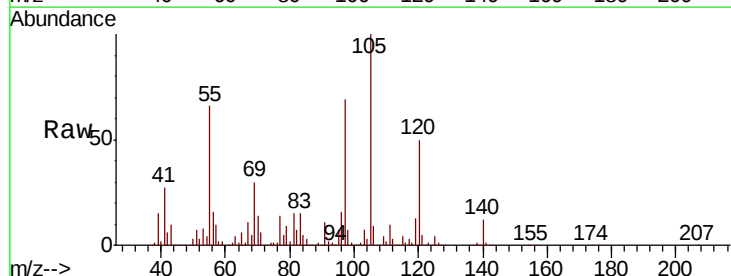
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-4A(12-13FT)1218

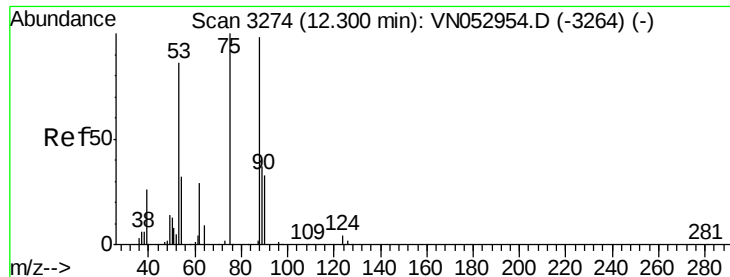
Tot Ion: 91 Resp: 448806
 Ion Ratio Lower Upper
 91 100
 126 1.7 17.4 52.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 103.081 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053035.D
 Acq: 20 Dec 2018 2:50

Tgt Ion: 105 Resp: 5347045
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 92.698 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

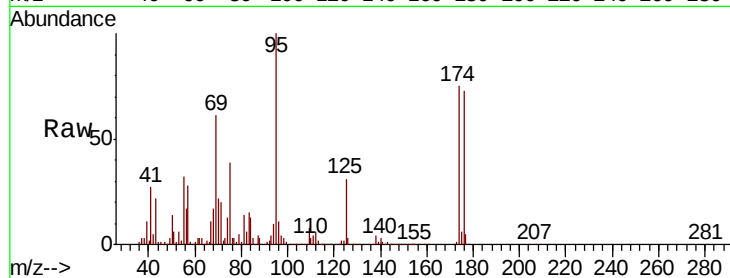
Tot Ion: 75 Resp: 393803

Ion Ratio Lower Upper

75 100

53 7.2 74.7 112.1#

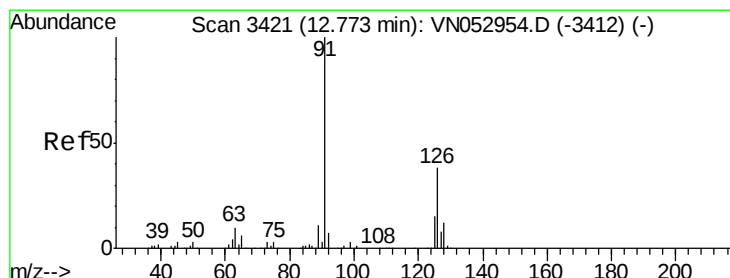
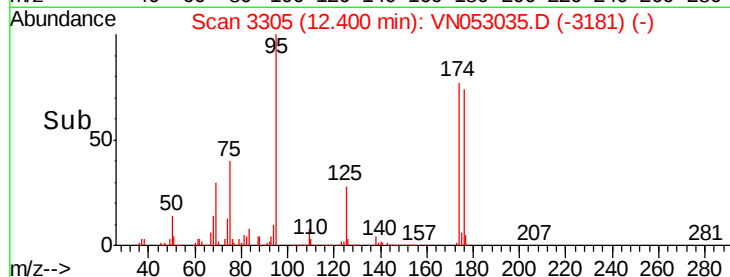
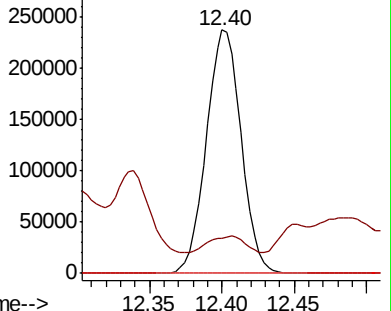
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 12.540 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053035.D

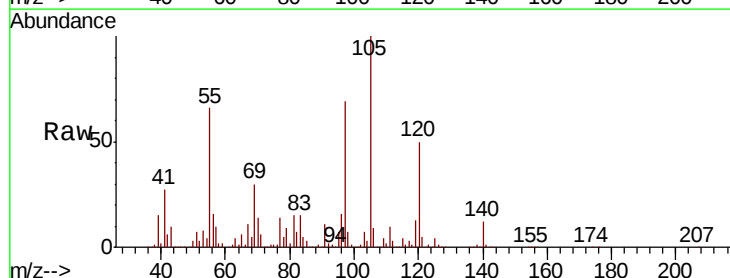
Acq: 20 Dec 2018 2:50

Tgt Ion: 91 Resp: 551503

Ion Ratio Lower Upper

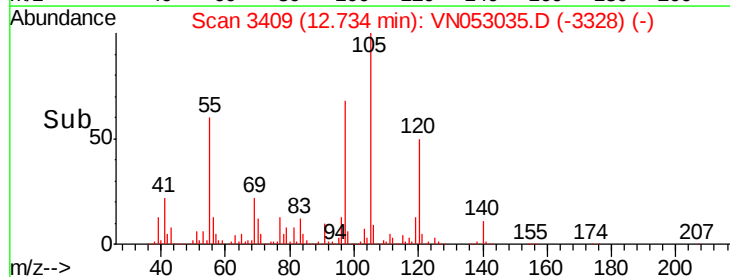
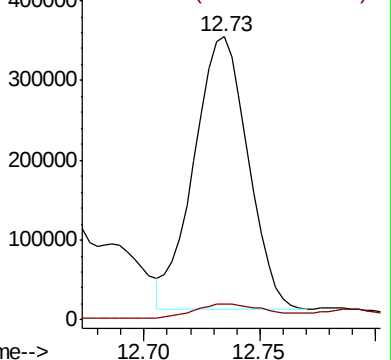
91 100

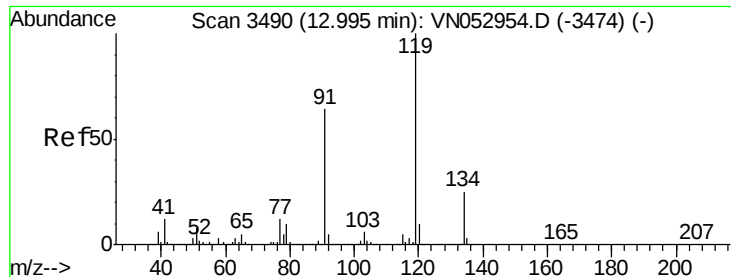
126 7.6 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

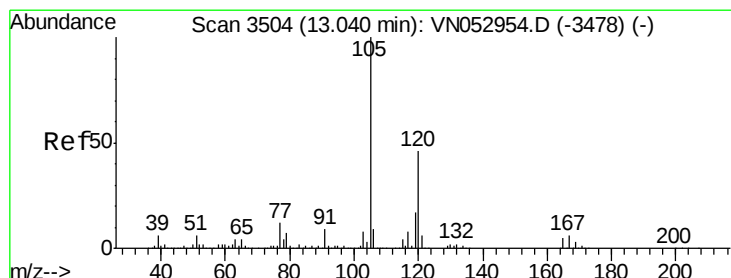
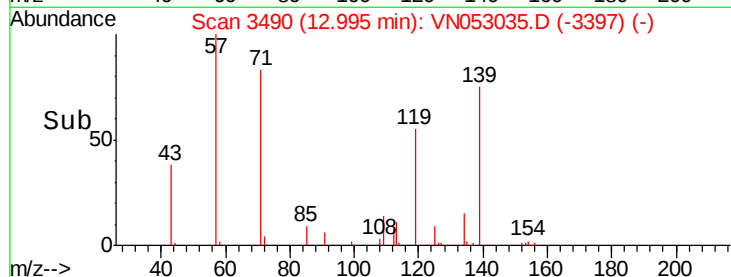
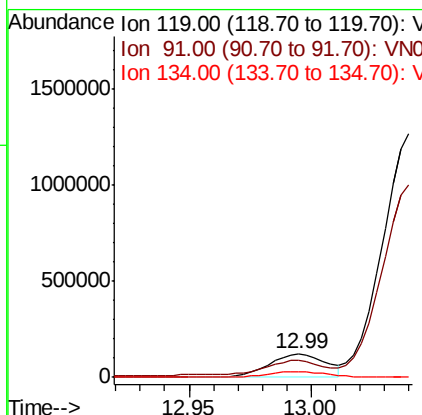
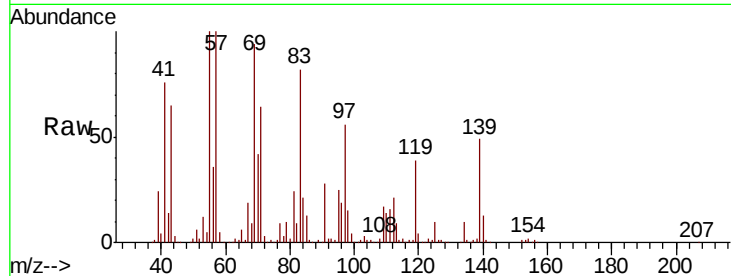




#83
tert-Butylbenzene
Concen: 4.338 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

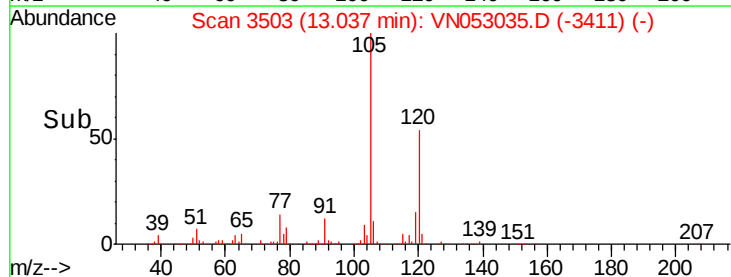
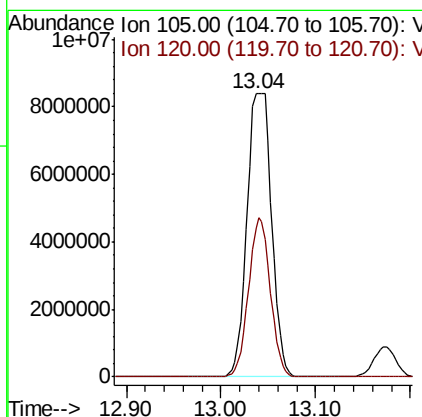
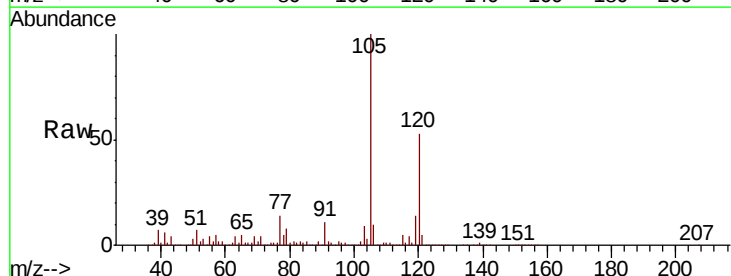
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-4A(12-13FT)1218

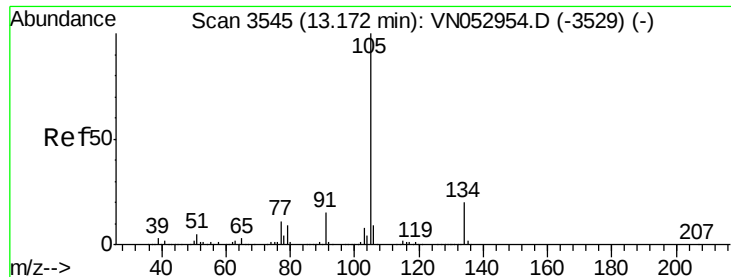
Tot Ion:119 Resp: 199023
Ion Ratio Lower Upper
119 100
91 75.6 31.9 95.5
134 25.0 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 290.731 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN053035.D
Acq: 20 Dec 2018 2:50

Tgt Ion:105 Resp:15160568
Ion Ratio Lower Upper
105 100
120 49.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 23.466 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

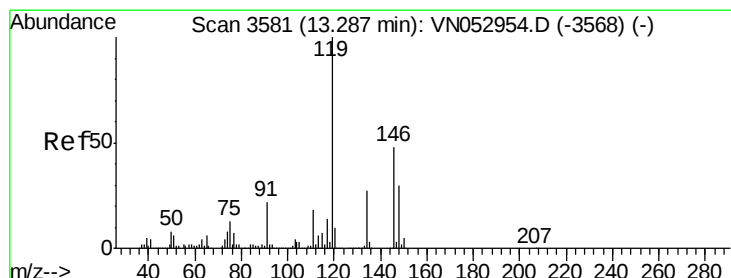
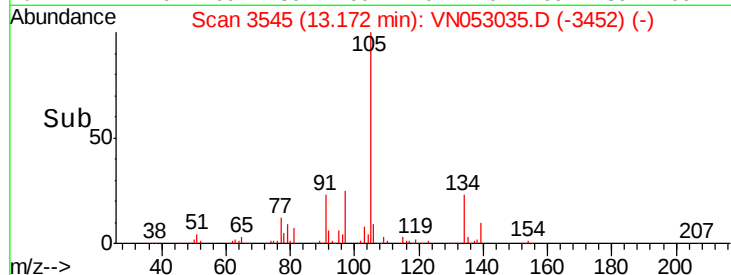
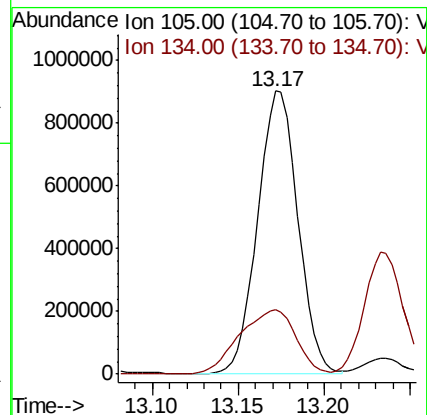
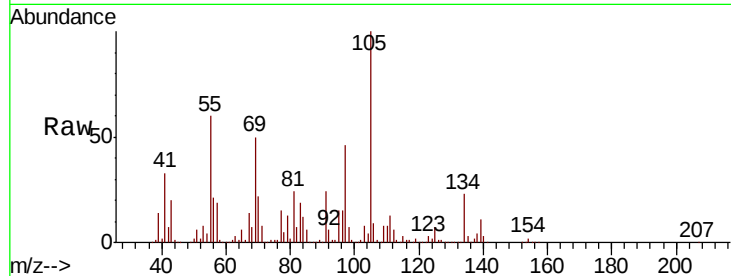
EP1-SBR-4A(12-13FT)1218

Tot Ion:105 Resp: 1456111

Ion Ratio Lower Upper

105 100

134 32.2 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 26.235 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

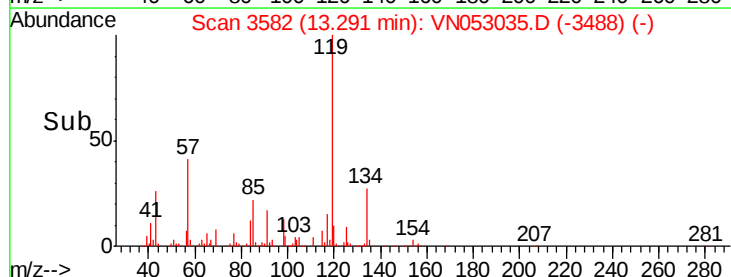
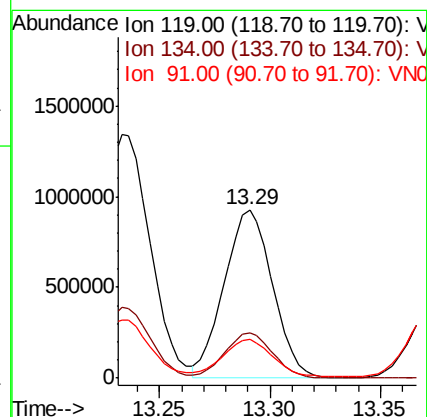
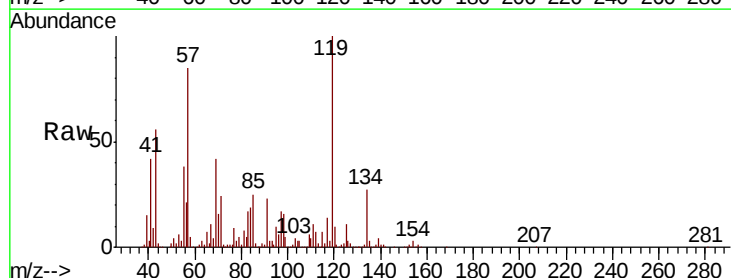
Tgt Ion:119 Resp: 1406701

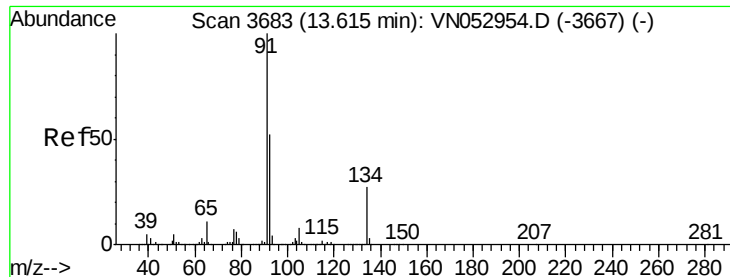
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.4 11.1 33.3





#89

n-Butylbenzene

Concen: 29.075 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

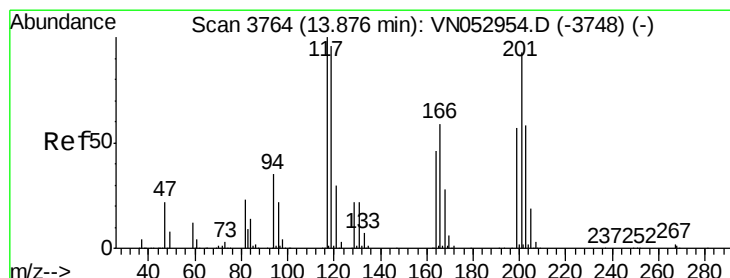
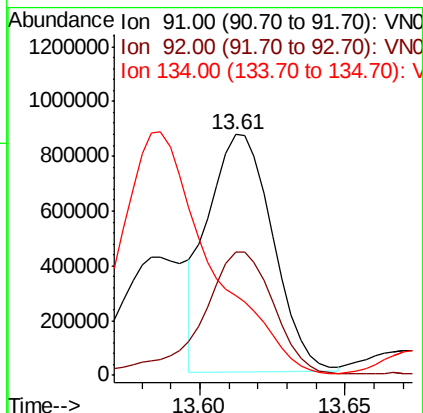
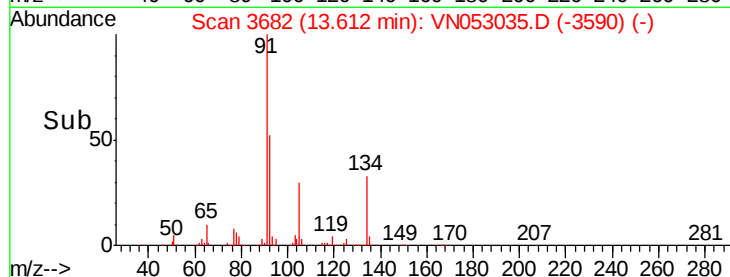
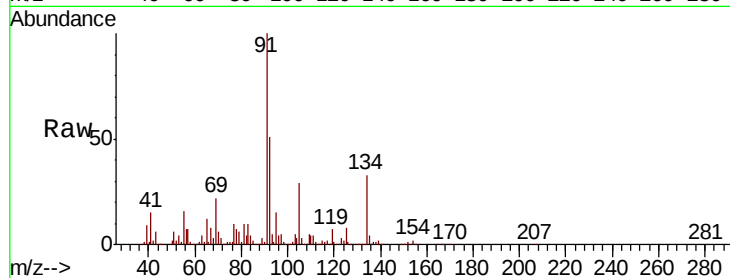
Tot Ion: 91 Resp: 1341212

Ion Ratio Lower Upper

91 100

92 56.7 26.3 78.9

134 0.0 13.3 39.8#



#90

Hexachloroethane

Concen: 26.027 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053035.D

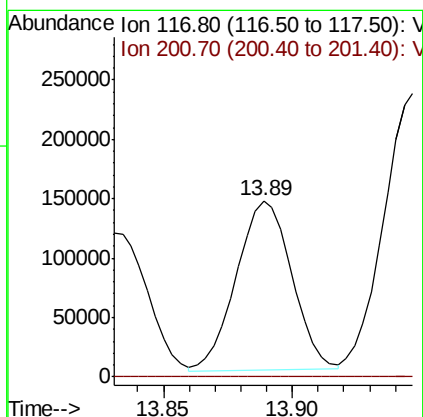
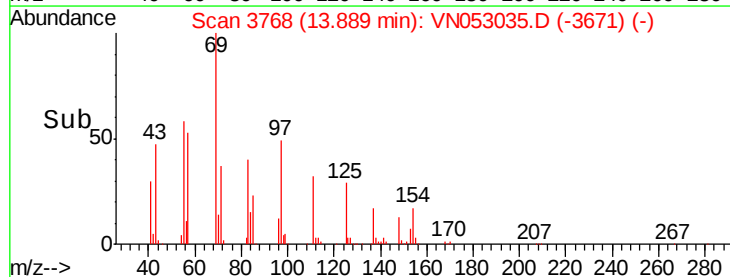
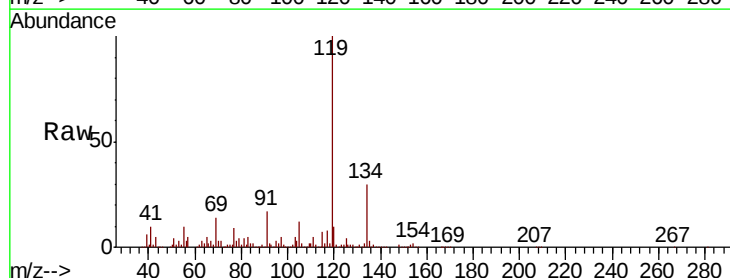
Acq: 20 Dec 2018 2:50

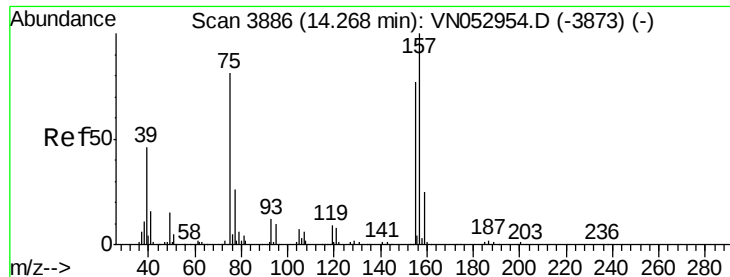
Tgt Ion: 117 Resp: 214152

Ion Ratio Lower Upper

117 100

201 0.0 45.7 137.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.055 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

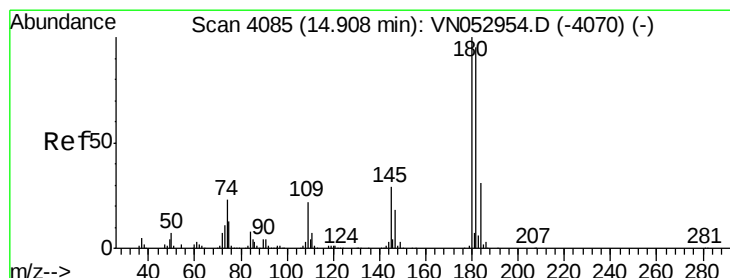
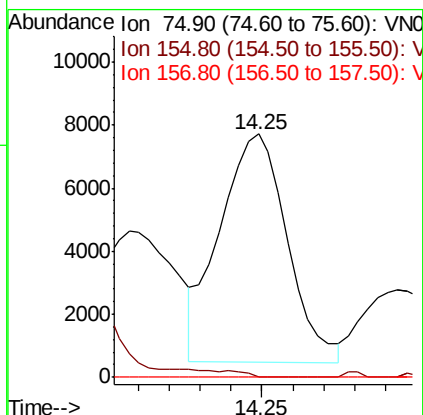
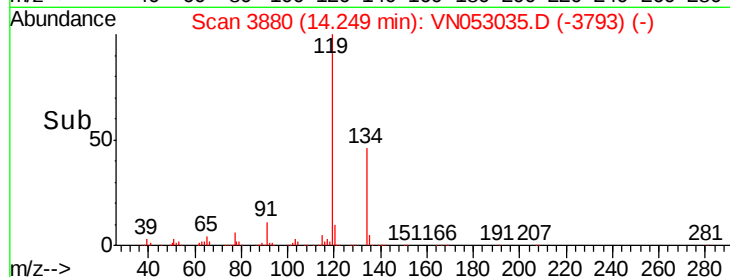
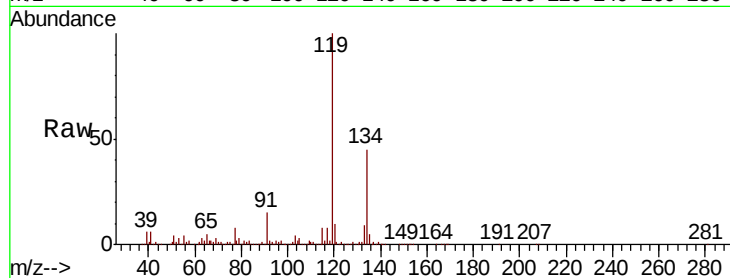
Tot Ion: 75 Resp: 10913

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 0.0 61.2 183.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.676 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

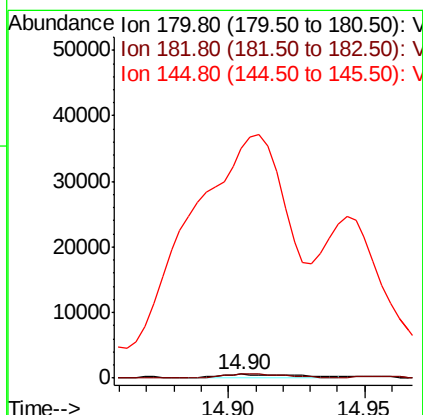
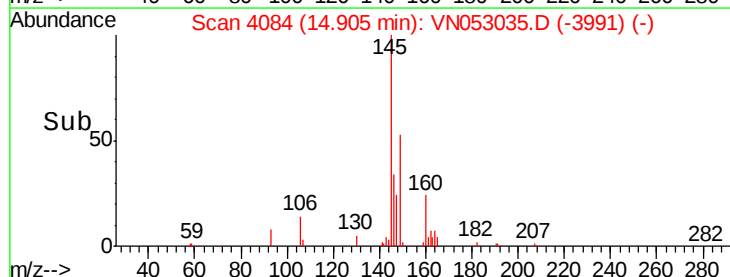
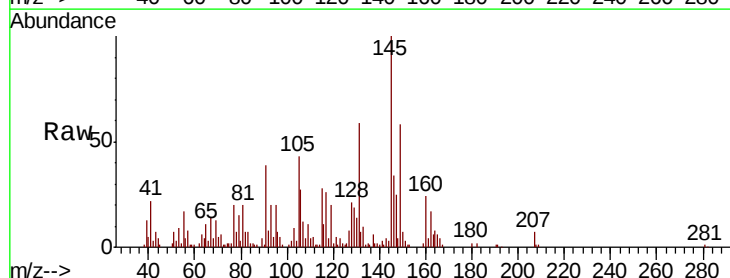
Tgt Ion:180 Resp: 1181

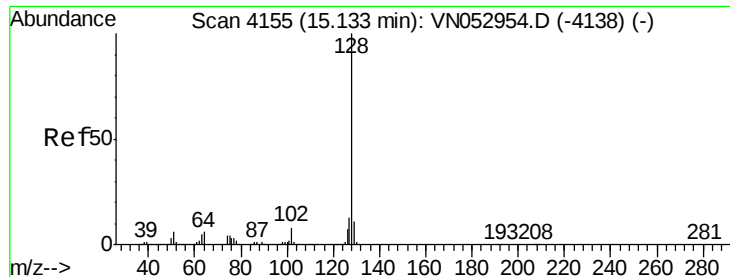
Ion Ratio Lower Upper

180 100

182 88.9 47.8 143.3

145 8308.0 14.2 42.6#





#95

Naphthalene

Concen: 4.794 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

Instrument :

MSVOA_N

ClientSampleId :

EP1-SBR-4A(12-13FT)1218

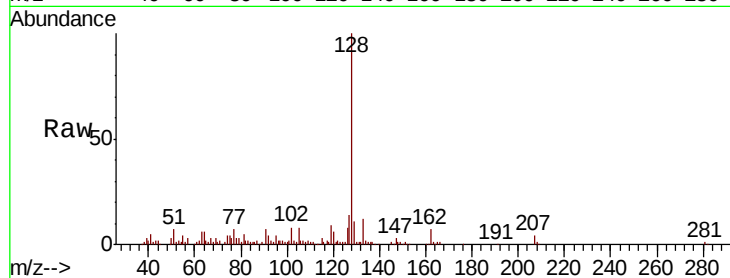
Tot Ion:128 Resp: 119367

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

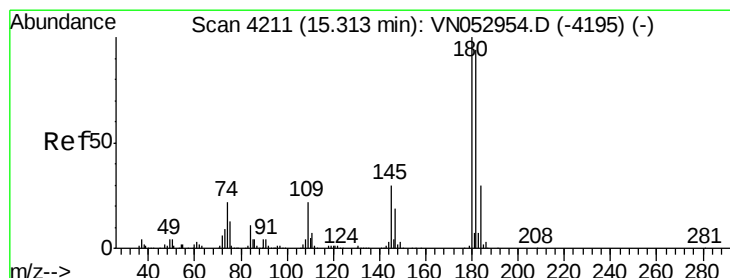
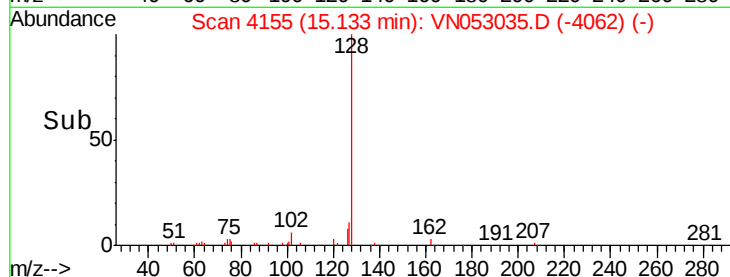
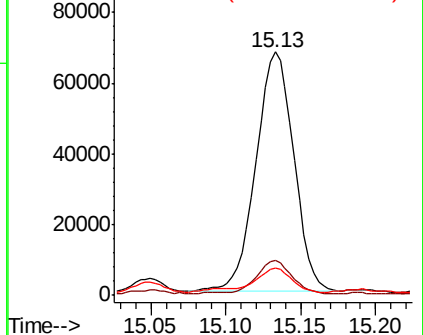
129 10.8 8.6 13.0



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: 0.546 ug/l

RT: 15.33 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN053035.D

Acq: 20 Dec 2018 2:50

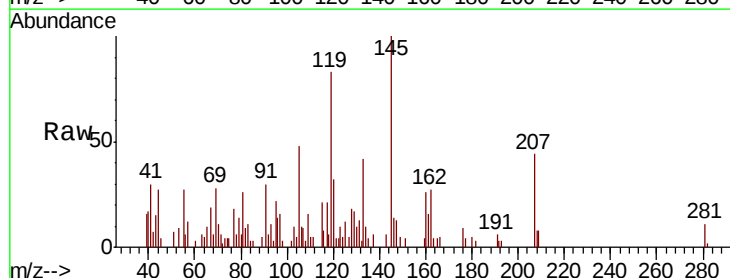
Tgt Ion:180 Resp: 505

Ion Ratio Lower Upper

180 100

182 77.0 47.9 143.7

145 0.0 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

