

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052867.D
 Acq On : 13 Dec 2018 16:28
 Operator : MD\SY
 Sample : J6319-05DL 10X
 Misc : 5.67µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 059_BT-3-1DL

Quant Time: Dec 14 01:40:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1288276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1955096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1751561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	797247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	634728	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
35) Dibromofluoromethane	7.59	113	542498	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.09	98	2509797	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.40	95	862879	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	

Target Compounds

						Qvalue
14) Allyl chloride	4.60	41	157882	8.161	ug/l #	41
15) Acrylonitrile	5.06	53	9671	2.252	ug/l #	35
16) Acetone	3.81	43	5348	1.738	ug/l #	43
18) Methyl Acetate	4.60	43	376376	33.335	ug/l #	51
20) Methylene Chloride	4.56	84	2921	0.211	ug/l #	27
25) 2-Butanone	6.81	43	3409	0.714	ug/l #	49
29) Tetrahydrofuran	7.21	42	2113	0.648	ug/l #	34
30) Chloroform	7.33	83	48090	2.072	ug/l #	18
31) Cyclohexane	7.65	56	398224	16.770	ug/l	93
36) 1,1-Dichloropropene	7.66	75	84707	4.705	ug/l #	49
37) Ethyl Acetate	6.81	43	3409	0.315	ug/l #	70
38) Carbon Tetrachloride	7.67	117	110945	6.695	ug/l #	16
39) Methylcyclohexane	9.08	83	1312219	59.393	ug/l	99
41) Methacrylonitrile	7.21	41	11475	1.915	ug/l #	42
43) Isopropyl Acetate	8.15	43	85649	3.862	ug/l #	53
46) Dibromomethane	9.16	93	2141	0.261	ug/l #	1
47) Bromodichloromethane	9.39	83	110207	6.475	ug/l #	26
48) Methyl methacrylate	9.14	41	73586	7.567	ug/l #	30
51) 4-Methyl-2-Pentanone	10.02	43	39470	3.882	ug/l #	51
55) 1,1,2-Trichloroethane	10.53	97	379168	32.455	ug/l #	18
56) Ethyl methacrylate	10.43	69	70624	4.710	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.72	63	2670	0.319	ug/l #	49
59) 2-Hexanone	10.72	43	534699	76.732	ug/l #	28
61) 1,2-Dibromoethane	10.98	107	3580	0.310	ug/l #	1
68) m/p-Xylenes	11.62	106	16990	0.725	ug/l	89
71) Bromoform	12.40	173	5052	0.588	ug/l #	1
73) Isopropylbenzene	12.25	105	176864	2.971	ug/l	100
74) N-amyl acetate	12.04	43	244600	14.967	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.56	83	43641	3.271	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	386502	32.859	ug/l #	100
78) n-propylbenzene	12.59	91	487563	7.182	ug/l	99
79) 2-Chlorotoluene	12.59	91	487563	12.148	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.69	105	28562	0.594	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.40	75	386502	105.559	ug/l #	12

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ALS Vial : 17 Sample Multiplier: 28

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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
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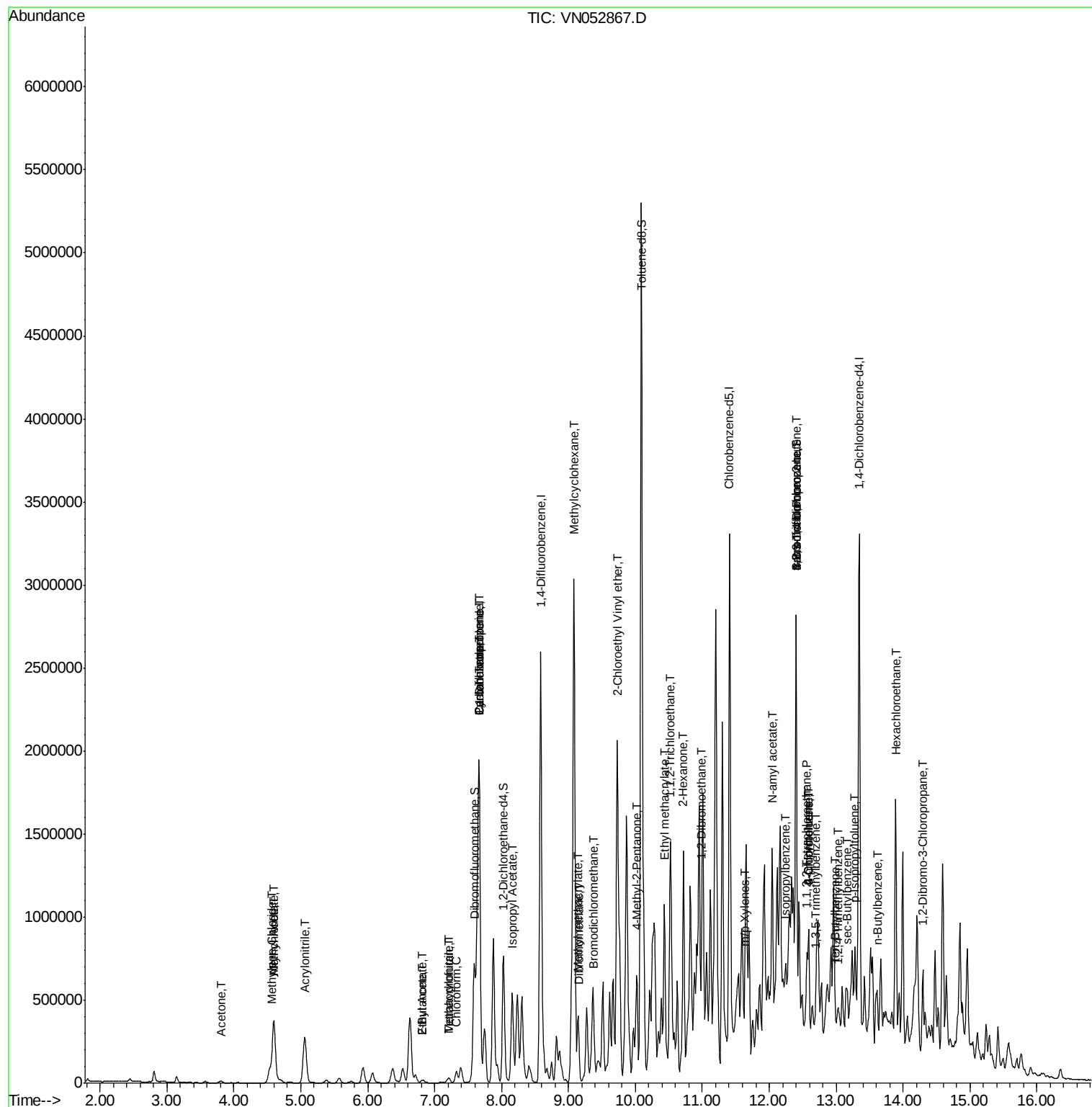
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.59	91	487563	11.882	ug/l #	40
83) tert-Butylbenzene	12.99	119	9576	0.226	ug/l	90
84) 1,2,4-Trimethylbenzene	13.04	105	10637	0.219	ug/l	96
85) sec-Butylbenzene	13.17	105	99428	1.732	ug/l #	50
86) p-Isopropyltoluene	13.29	119	48203	0.969	ug/l	96
89) n-Butylbenzene	13.62	91	165942	3.963	ug/l #	78
90) Hexachloroethane	13.89	117	69937	8.398	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1701	0.846	ug/l #	1

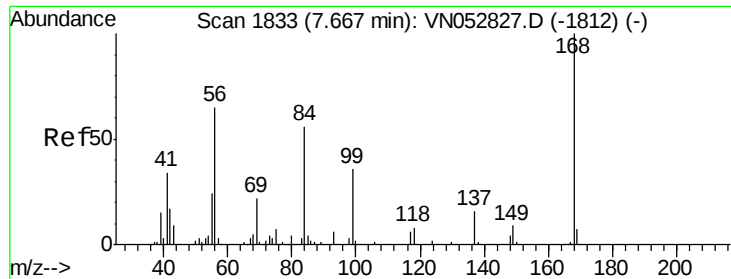
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

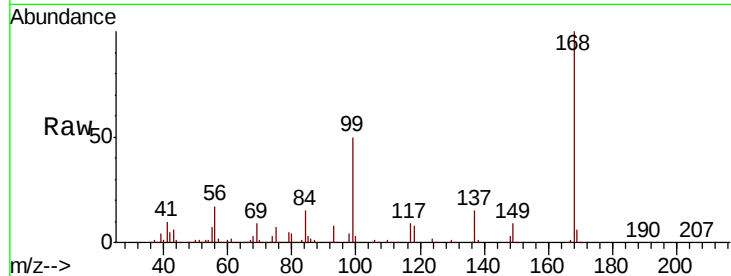
059_BT-3-1DL

Tot Ion:168 Resp: 1288276

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

600000

500000

400000

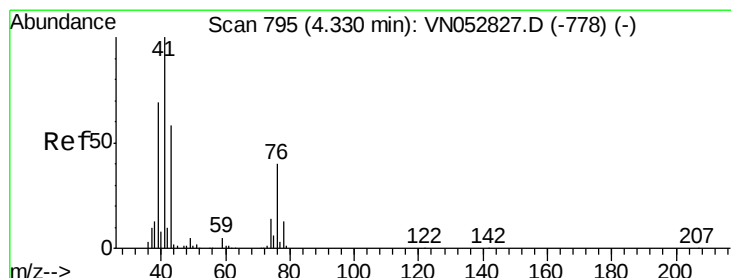
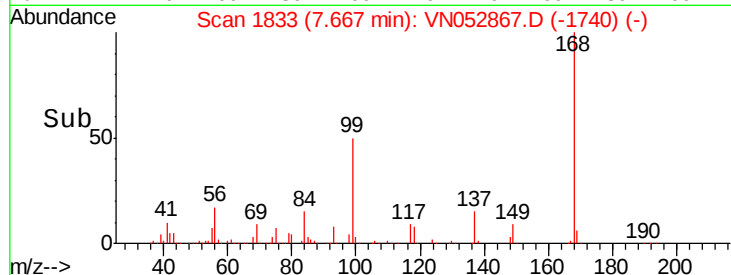
300000

200000

100000

0

Time-->



#14

Allyl chloride

Concen: 8.161 ug/l

RT: 4.60 min Scan# 878

Delta R.T. 0.27 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

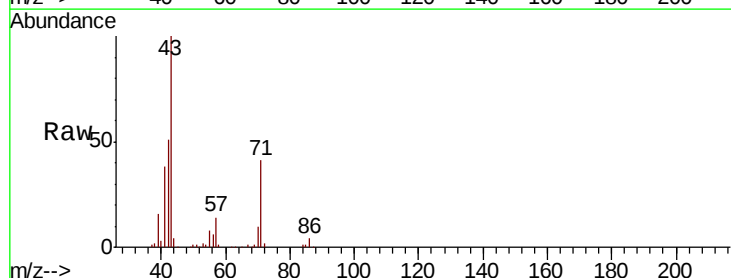
Tgt Ion: 41 Resp: 157882

Ion Ratio Lower Upper

41 100

39 22.4 54.1 81.1#

76 0.0 30.3 45.5#



Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-778) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-778) (-)

Ion 75.90 (75.60 to 76.60): VN052827.D (-778) (-)

4.60

60000

50000

40000

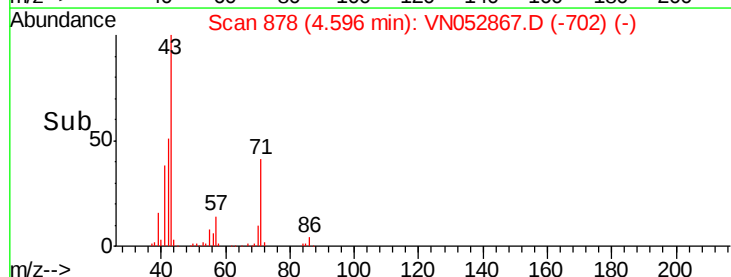
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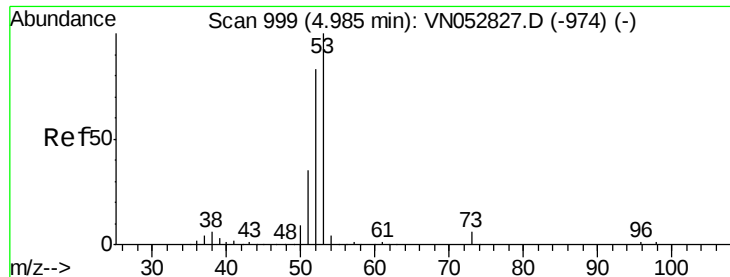
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 2.252 ug/l

RT: 5.06 min Scan# 1021

Delta R.T. 0.07 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1DL

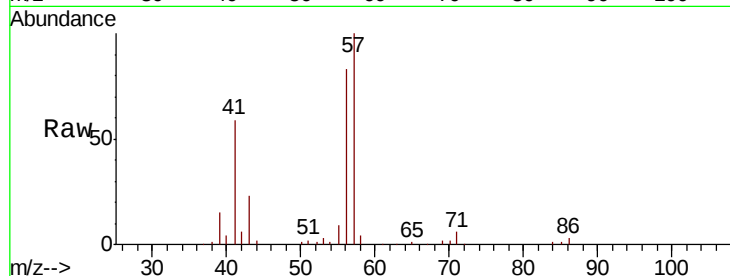
Tot Ion: 53 Resp: 9671

Ion Ratio Lower Upper

53 100

52 13.0 65.1 97.7#

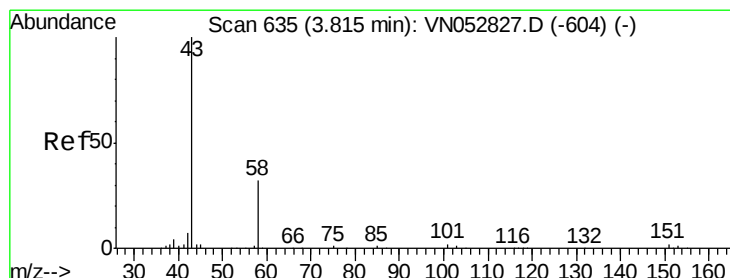
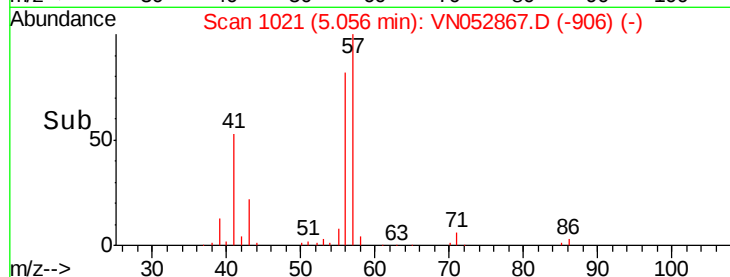
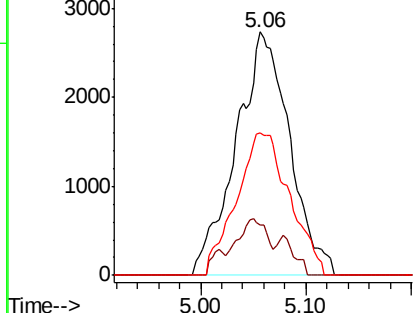
51 57.9 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 1.738 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN052867.D

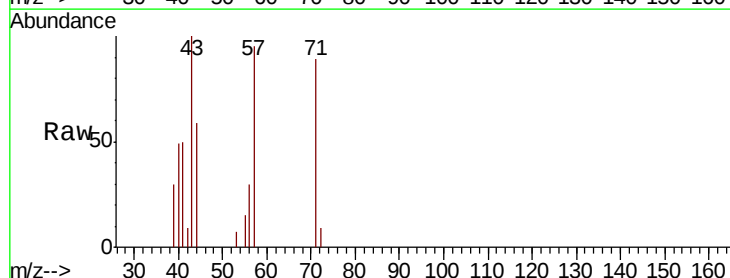
Acq: 13 Dec 2018 16:28

Tgt Ion: 43 Resp: 5348

Ion Ratio Lower Upper

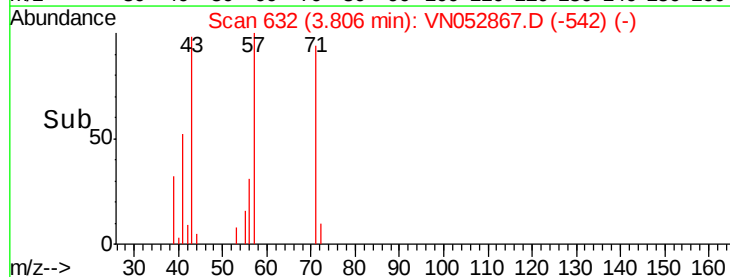
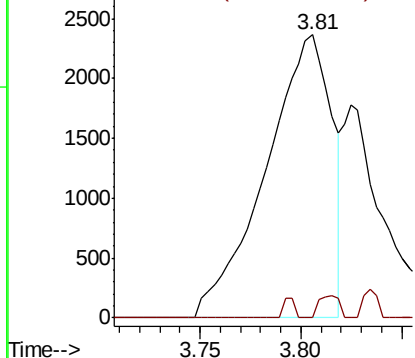
43 100

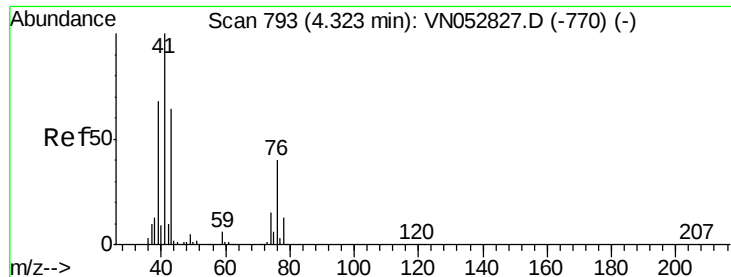
58 0.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

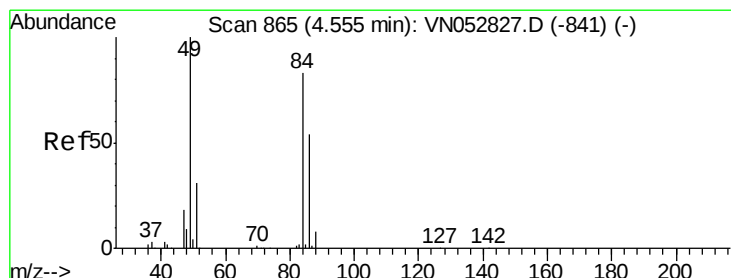
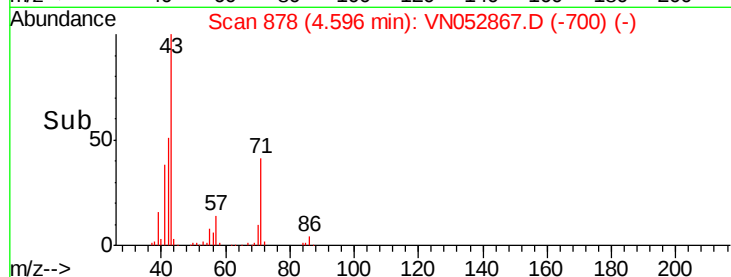
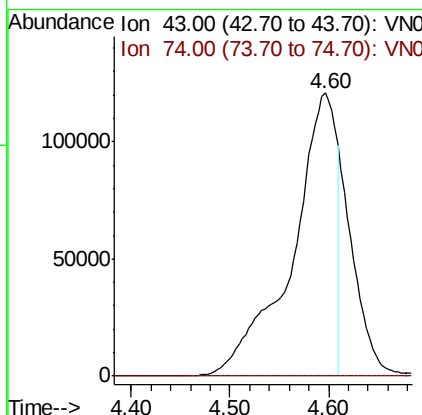
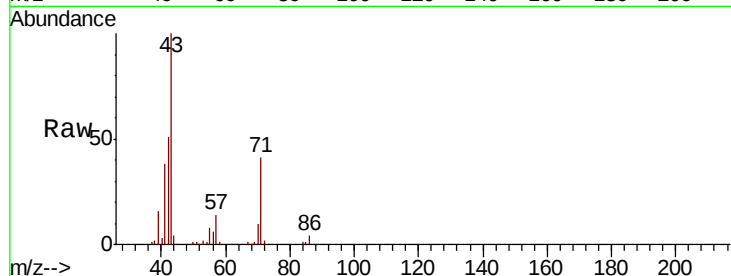




#18
Methyl Acetate
Concen: 33.335 ug/l
RT: 4.60 min Scan# 878
Delta R.T. 0.27 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

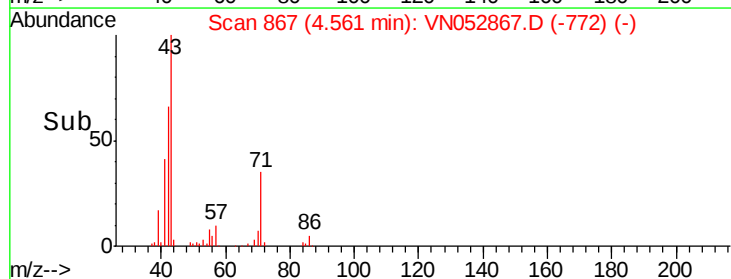
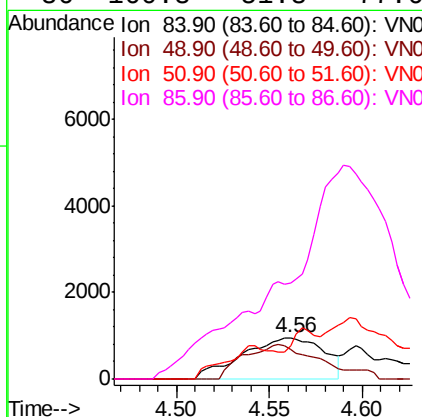
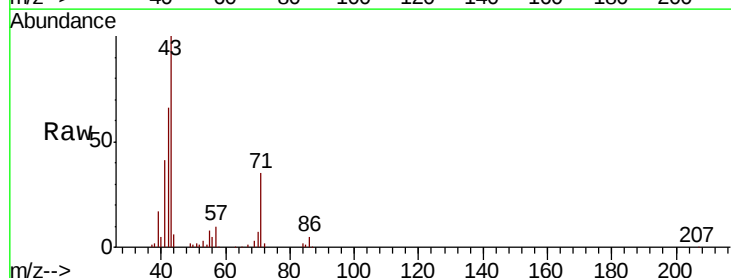
Instrument :
MSVOA_N
ClientSampled :
059_BT-3-1DL

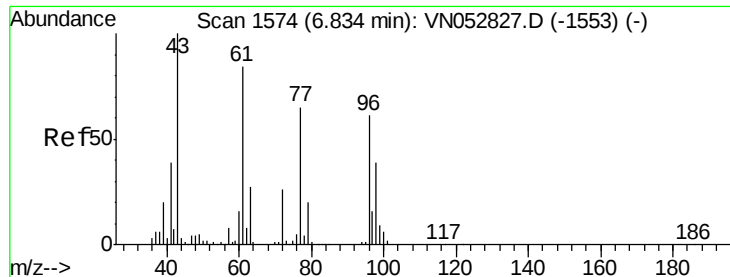
Tot Ion: 43 Resp: 376376
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 84 Resp: 2921
Ion Ratio Lower Upper
84 100
49 69.7 96.8 145.2#
51 81.7 29.9 44.9#
86 160.8 51.8 77.6#

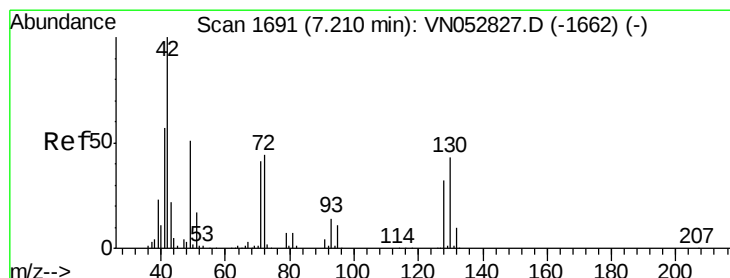
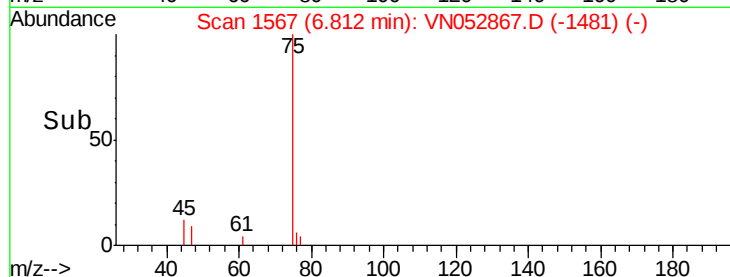
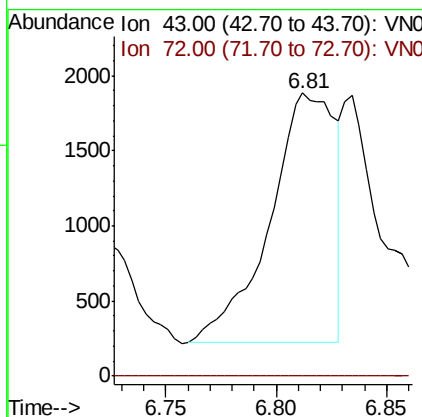
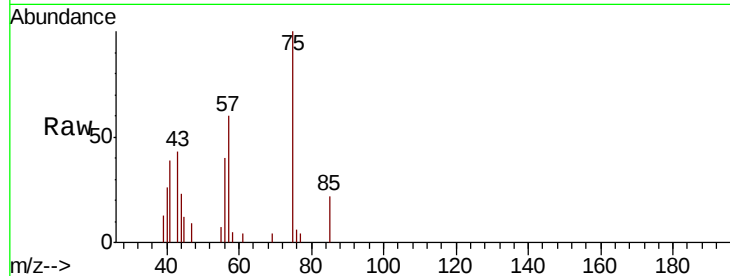




#25
2-Butanone
Concen: 0.714 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.02 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

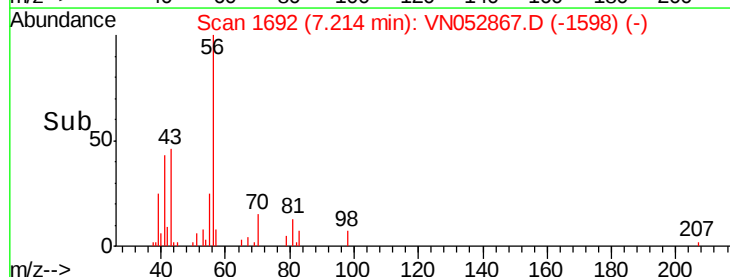
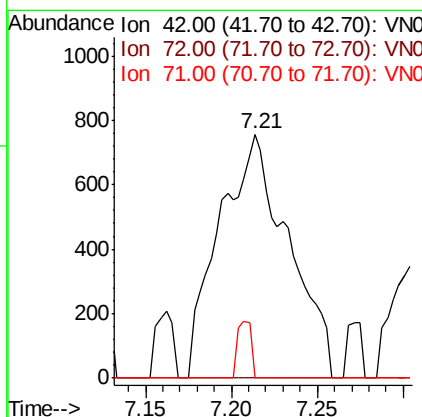
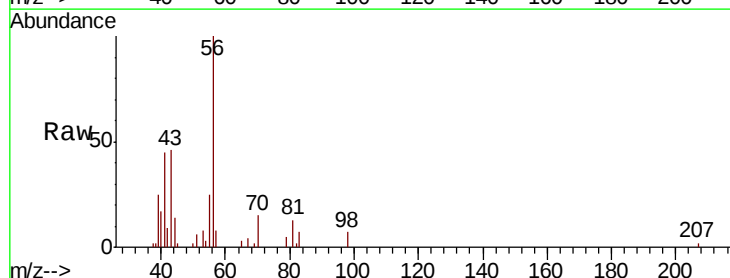
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ClientSampleId :
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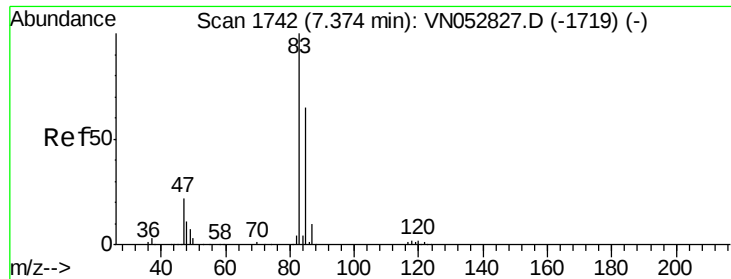
Tot Ion: 43 Resp: 3409
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#29
Tetrahydrofuran
Concen: 0.648 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 42 Resp: 2113
Ion Ratio Lower Upper
42 100
72 0.0 34.7 52.1#
71 0.0 32.3 48.5#

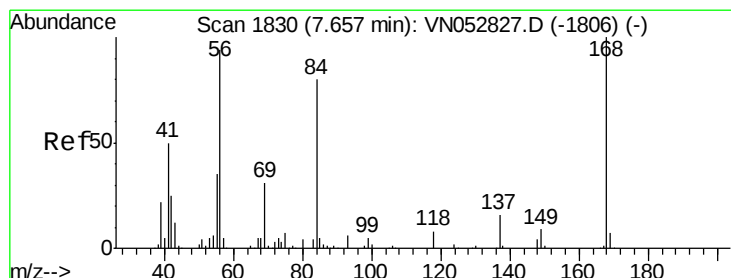
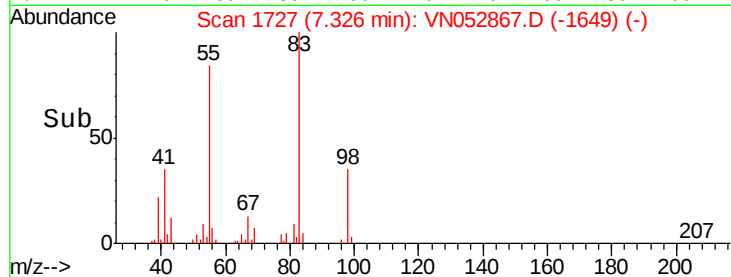
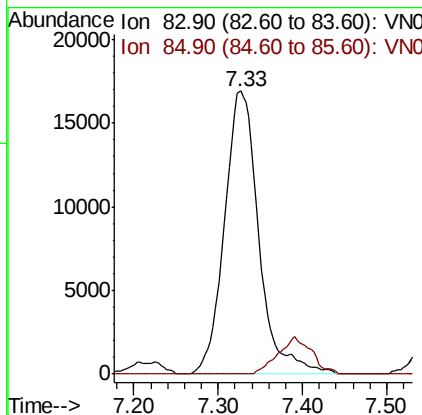
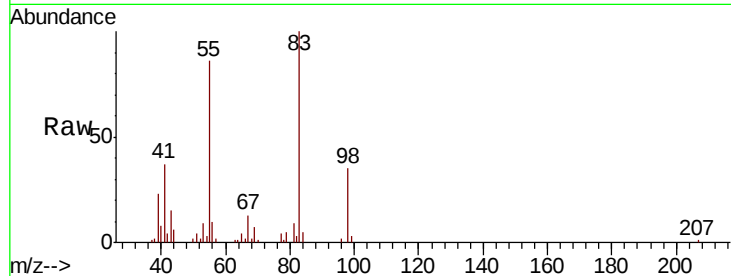




#30
Chloroform
Concen: 2.072 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.05 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

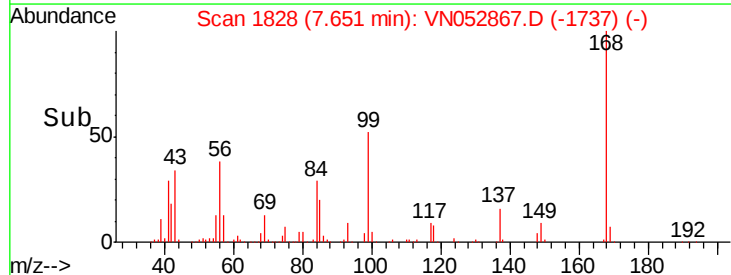
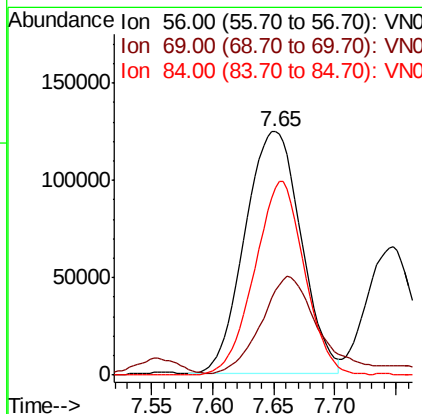
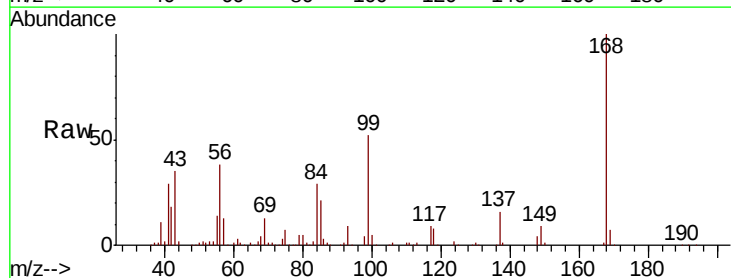
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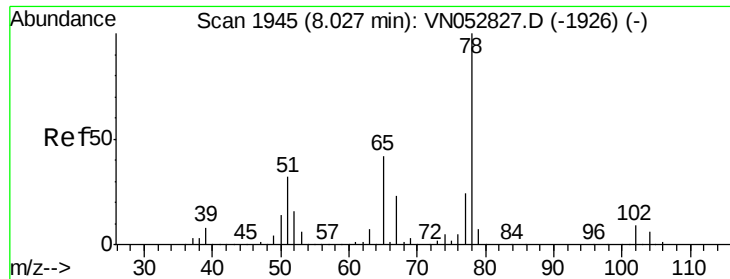
Tot Ion: 83 Resp: 48090
Ion Ratio Lower Upper
83 100
85 0.0 52.1 78.1#



#31
Cyclohexane
Concen: 16.770 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.01 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 56 Resp: 398224
Ion Ratio Lower Upper
56 100
69 32.6 26.6 39.8
84 77.4 68.4 102.6

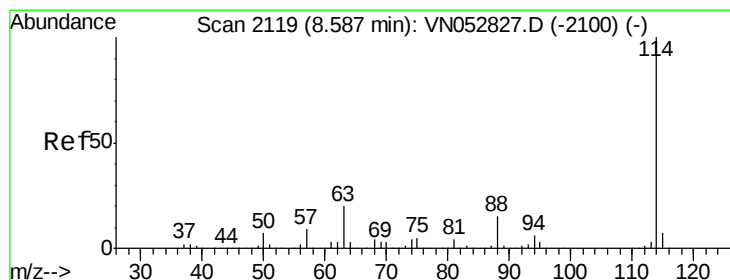
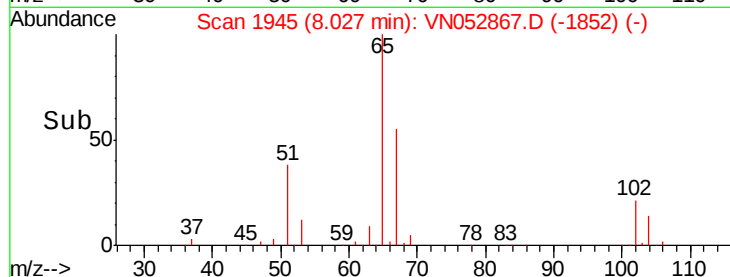
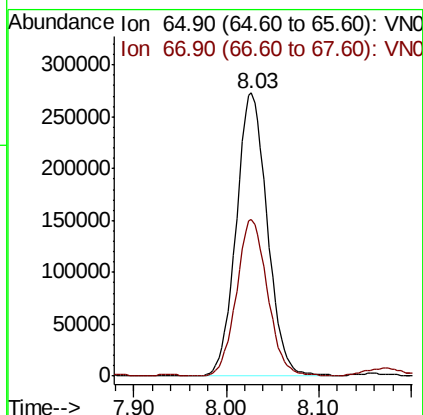
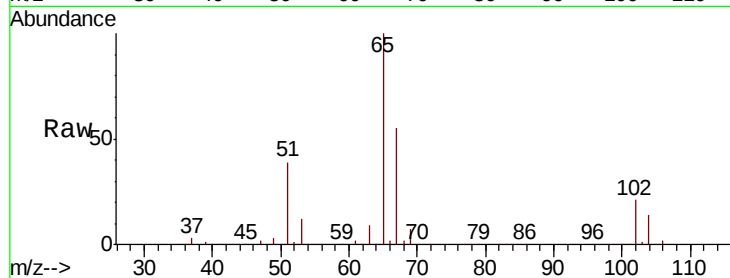




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

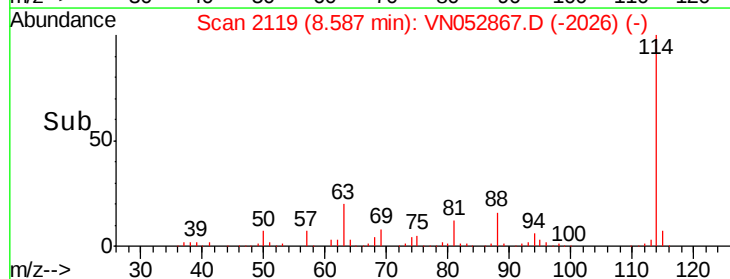
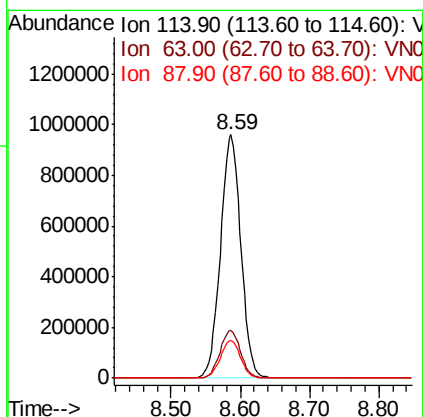
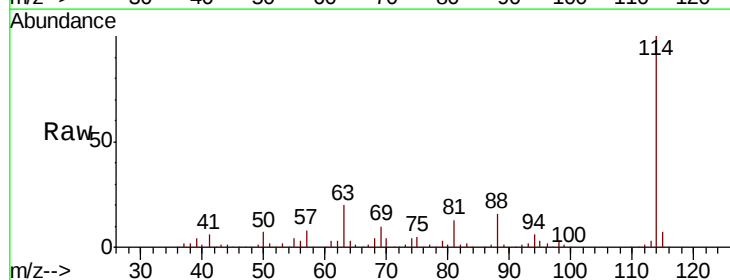
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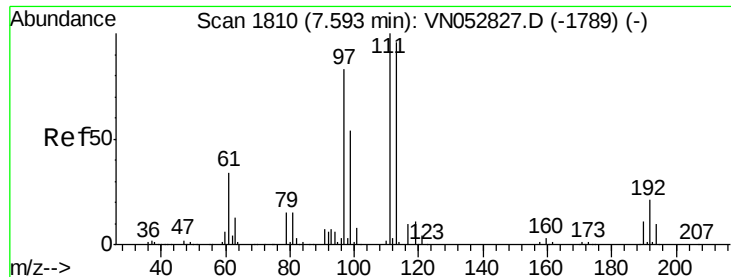
Tot Ion: 65 Resp: 634728
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

Tgt Ion: 114 Resp: 1955096
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.6 0.0 31.0

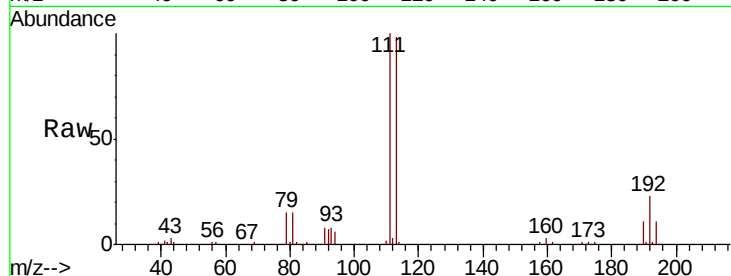




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Instrument :
MSVOA_N
ClientSampleId :
059_BT-3-1DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	22.3	17.5	26.3

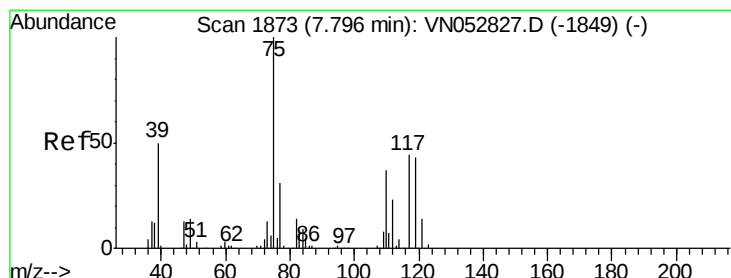
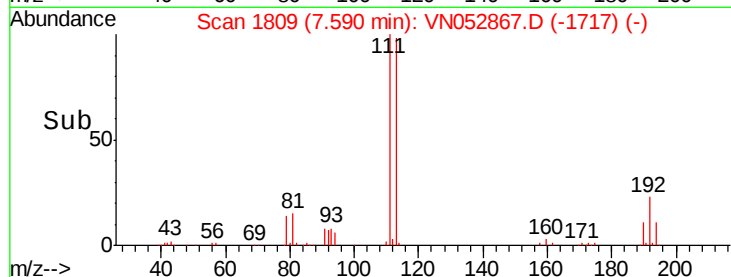
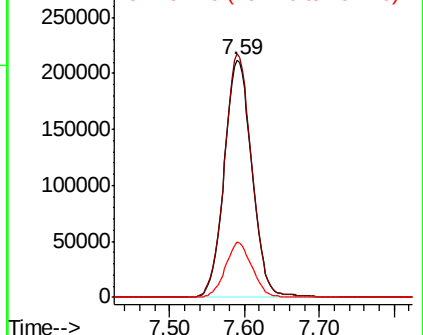


Abundance

Ion 112.80 (112.50 to 113.50): V

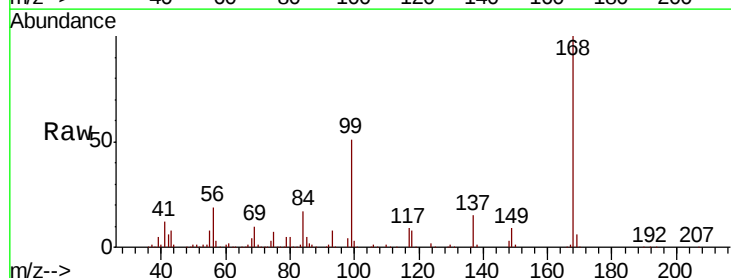
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 4.705 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	24.9	37.3#

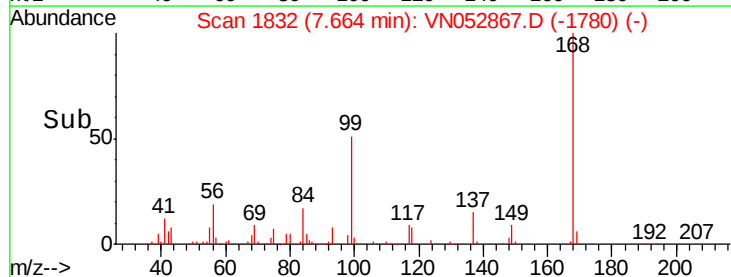
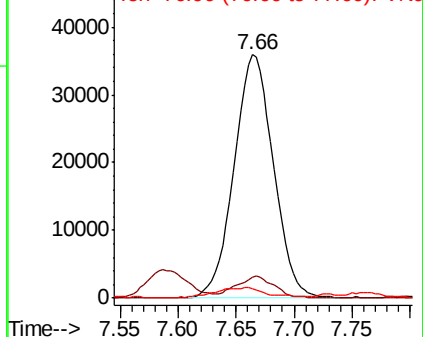


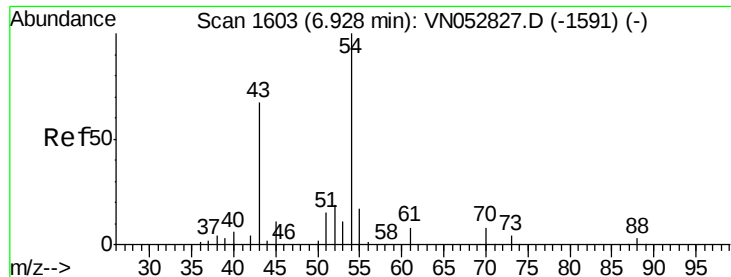
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

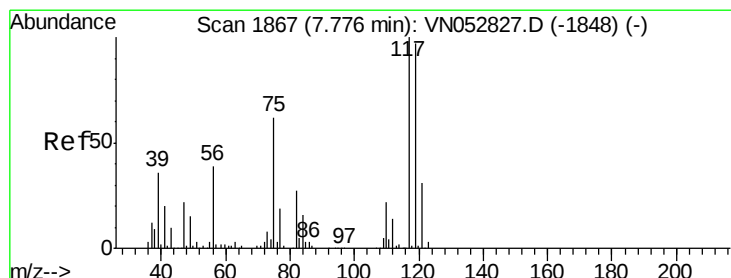
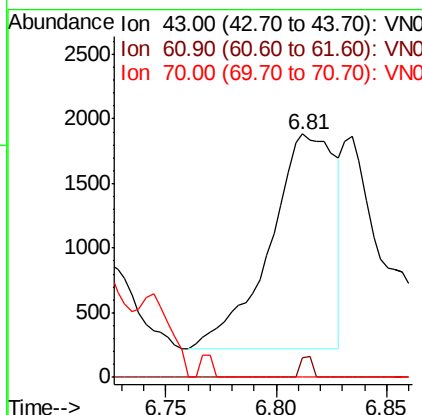
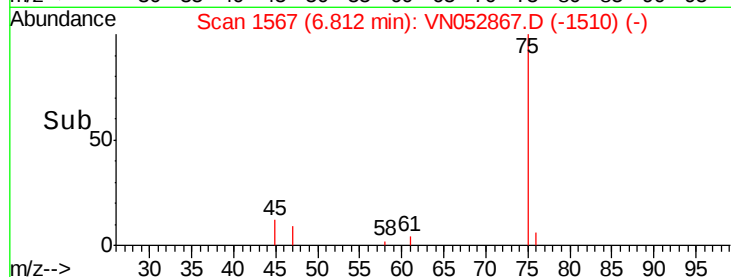
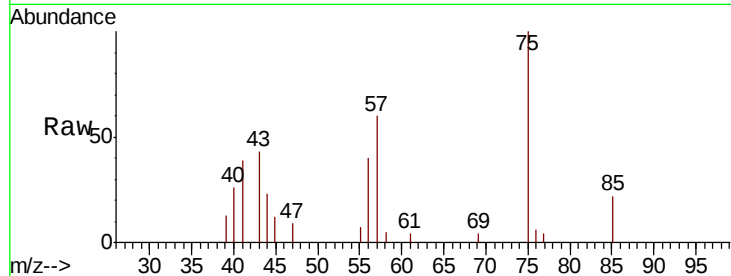




#37
Ethyl Acetate
Concen: 0.315 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.12 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

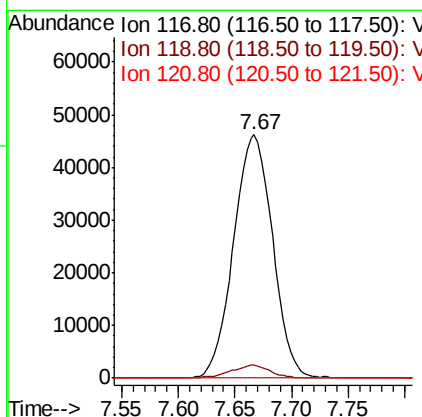
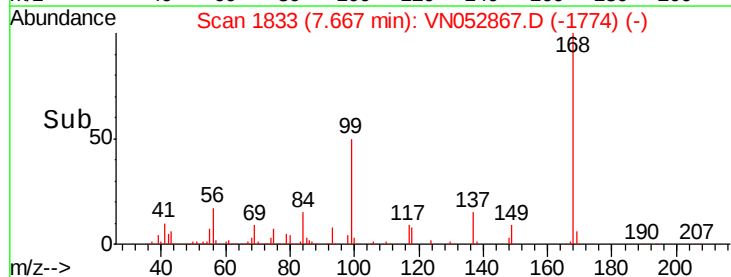
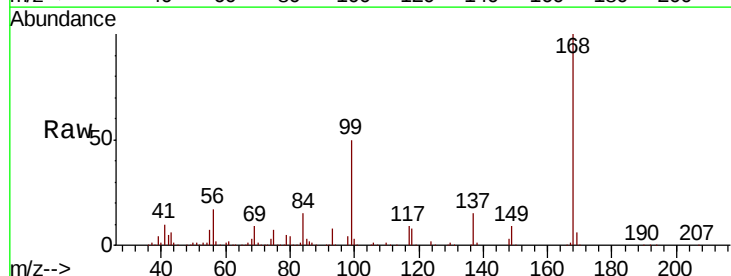
Instrument :
MSVOA_N
ClientSampleId :
059_BT-3-1DL

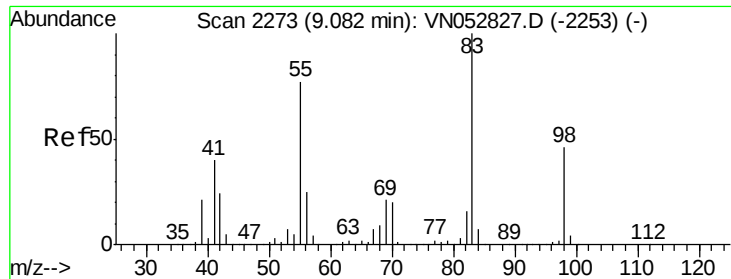
Tot Ion: 43 Resp: 3409
Ion Ratio Lower Upper
43 100
61 1.8 11.8 17.6#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.695 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 117 Resp: 110945
Ion Ratio Lower Upper
117 100
119 5.4 77.1 115.7#
121 0.0 24.9 37.3#

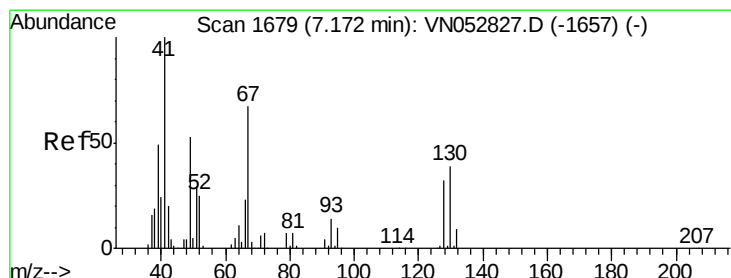
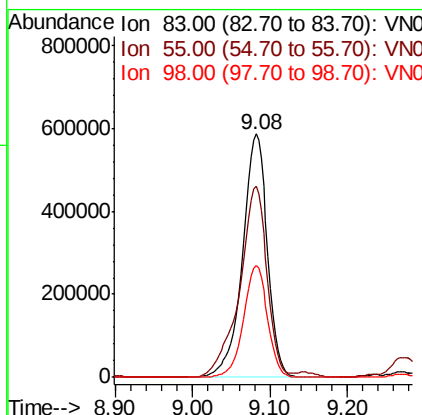
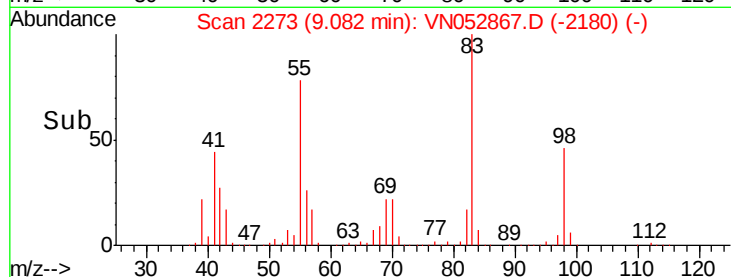
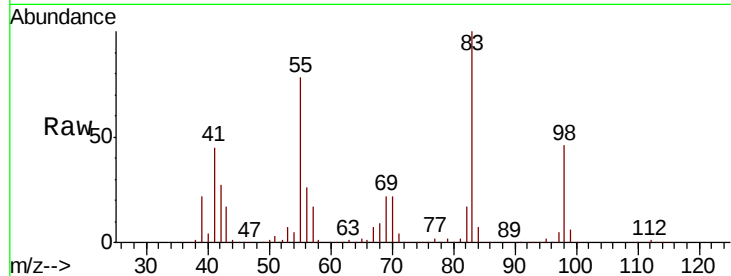




#39
Methvlcvclohexane
Concen: 59.393 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

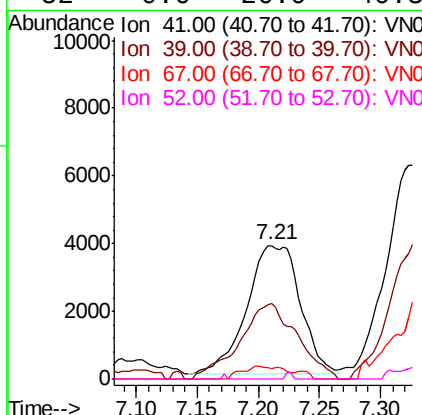
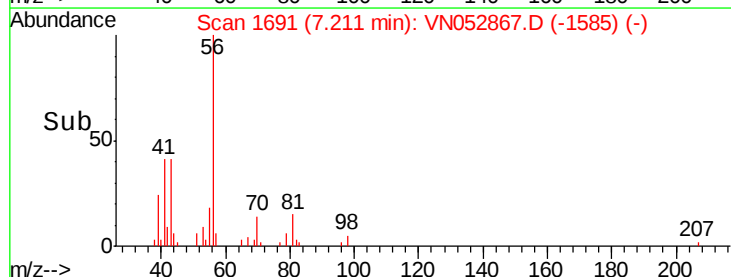
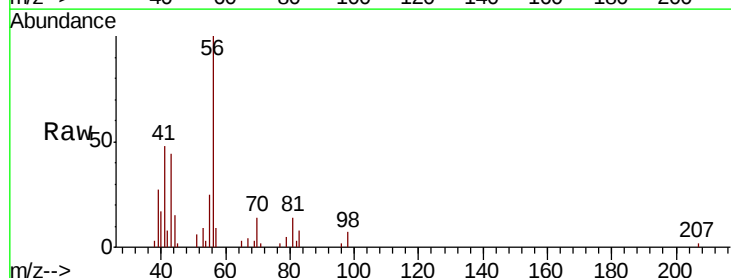
Instrument :
MSVOA_N
ClientSampleId :
059_BT-3-1DL

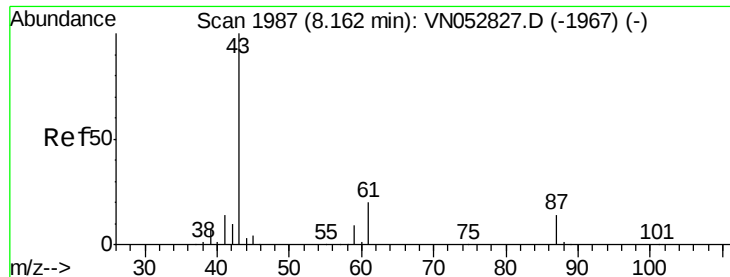
Tot Ion: 83 Resp: 1312219
Ion Ratio Lower Upper
83 100
55 78.4 61.3 91.9
98 46.1 37.0 55.4



#41
Methacrylonitrile
Concen: 1.915 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 41 Resp: 11475
Ion Ratio Lower Upper
41 100
39 63.3 48.0 72.0
67 0.0 70.3 105.5#
52 0.6 26.9 40.3#





#43

Isopropyl Acetate

Concen: 3.862 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1DL

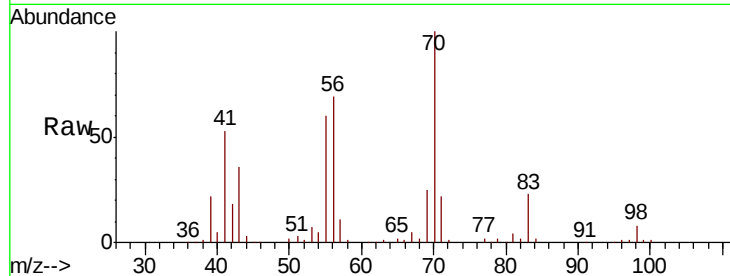
Tot Ion: 43 Resp: 85649

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

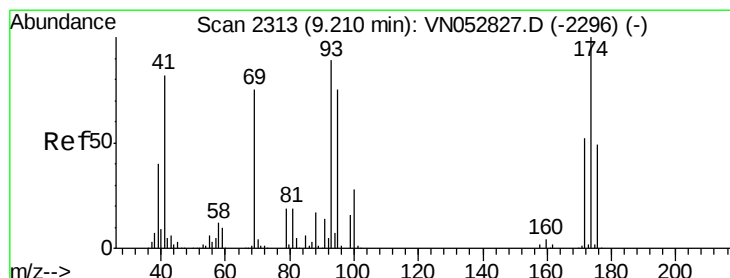
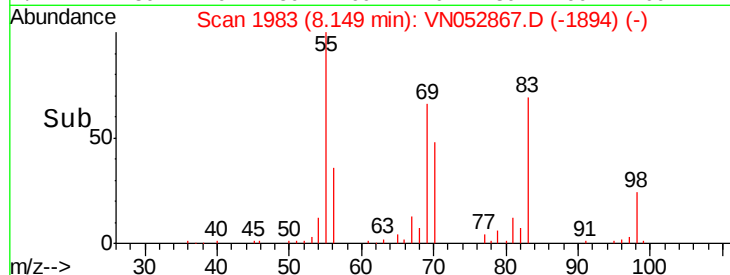
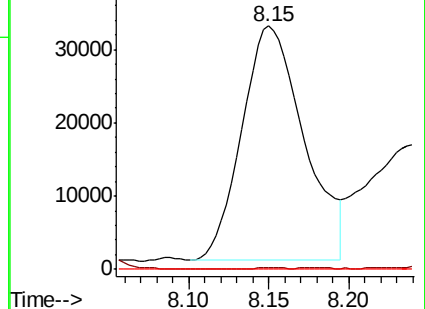
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#46

Dibromomethane

Concen: 0.261 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.05 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

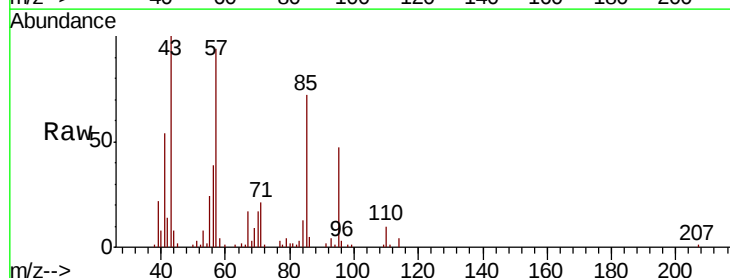
Tgt Ion: 93 Resp: 2141

Ion Ratio Lower Upper

93 100

95 1243.8 67.8 101.6#

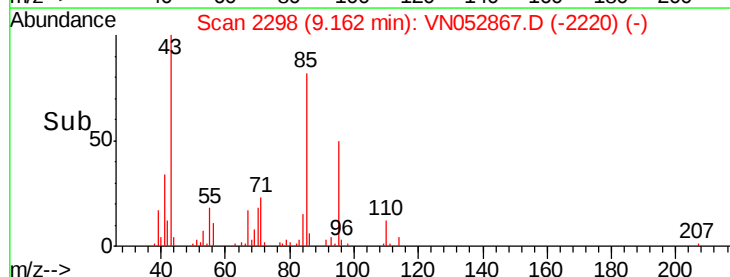
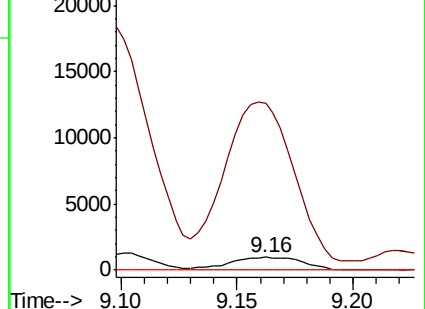
174 0.0 89.0 133.4#

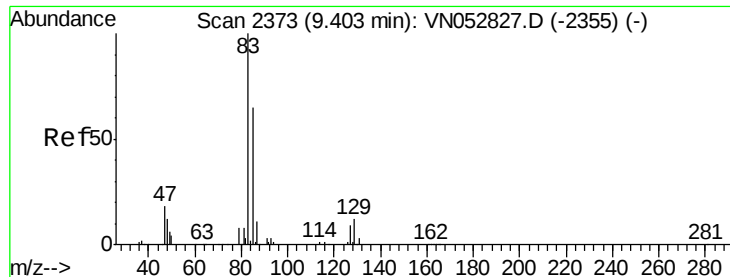


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 6.475 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.02 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1DL

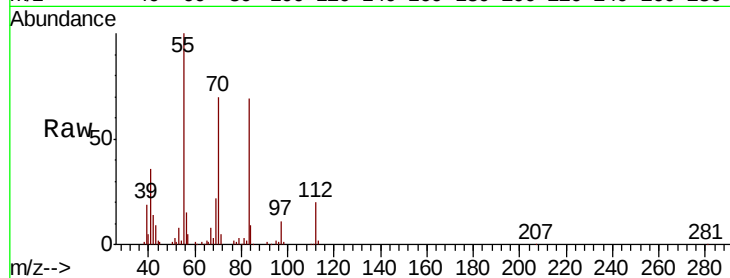
Tot Ion: 83 Resp: 110207

Ion Ratio Lower Upper

83 100

85 0.7 51.6 77.4#

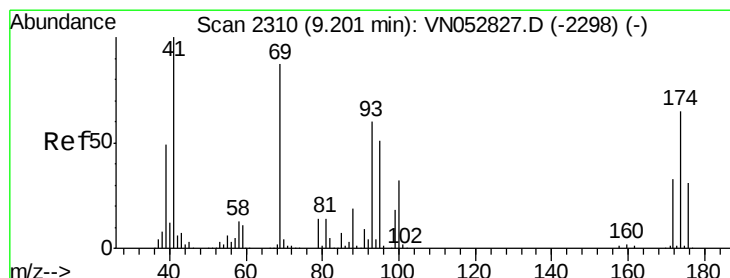
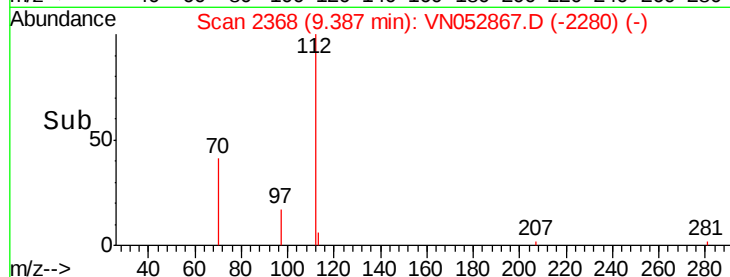
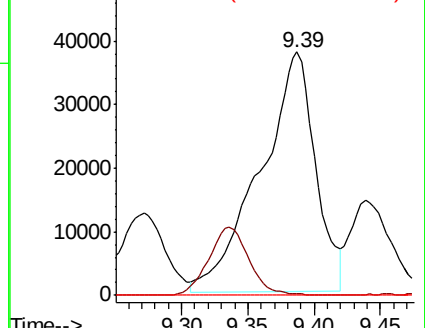
127 0.0 7.1 10.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 7.567 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.06 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

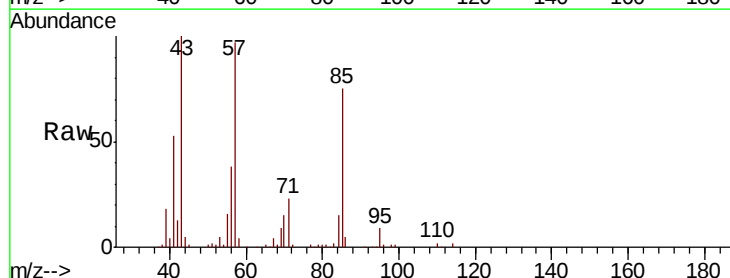
Tgt Ion: 41 Resp: 73586

Ion Ratio Lower Upper

41 100

69 0.0 72.2 108.2#

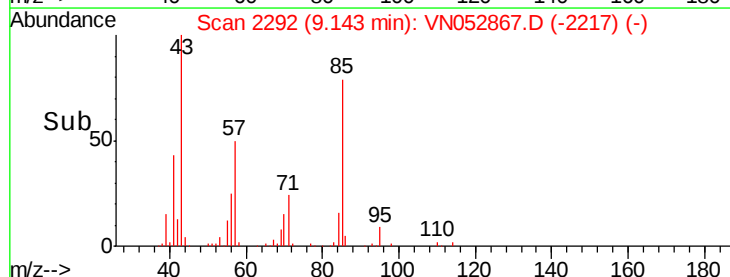
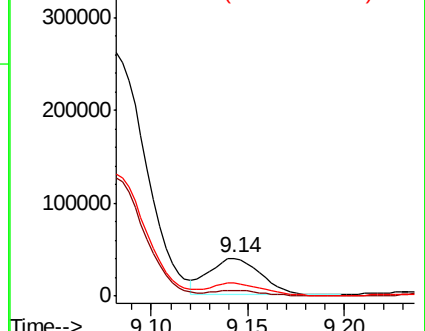
39 34.8 41.9 62.9#

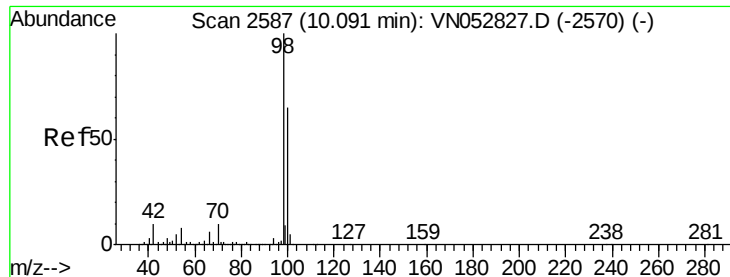


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

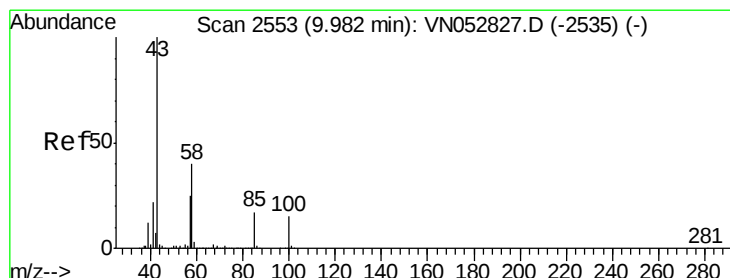
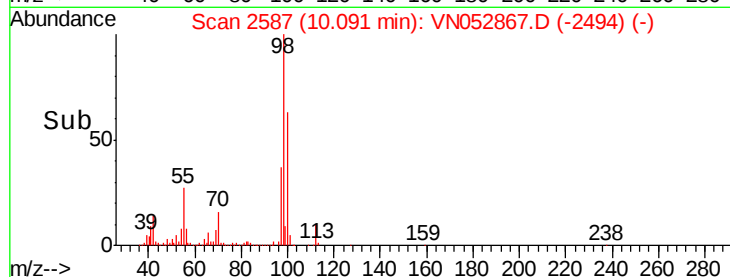
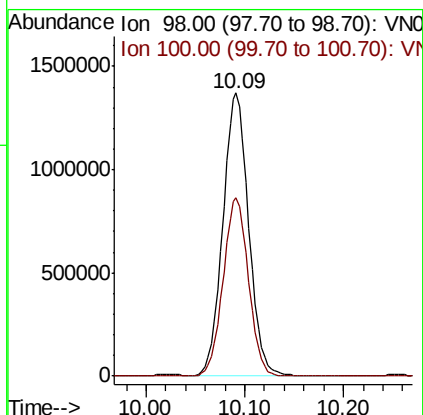
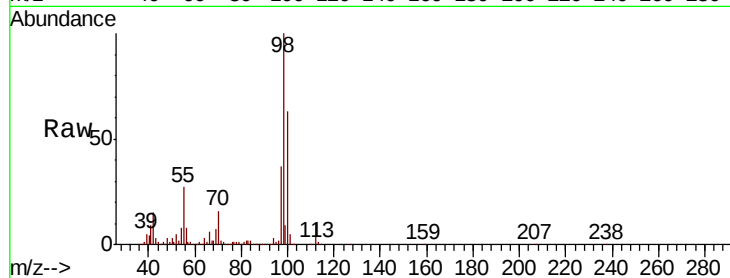
059_BT-3-1DL

Tot Ion: 98 Resp: 2509797

Ion Ratio Lower Upper

98 100

100 62.0 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 3.882 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052867.D

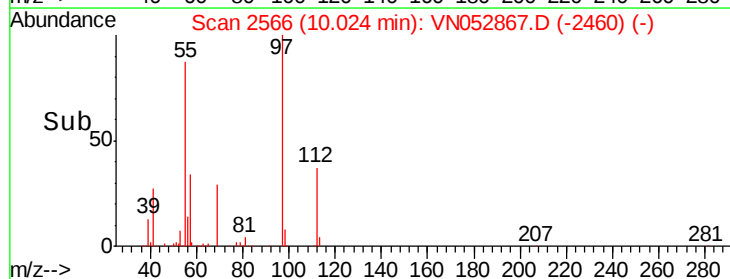
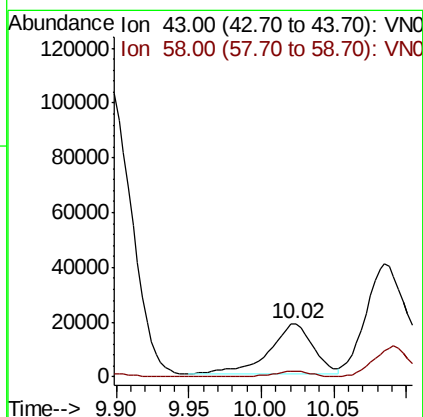
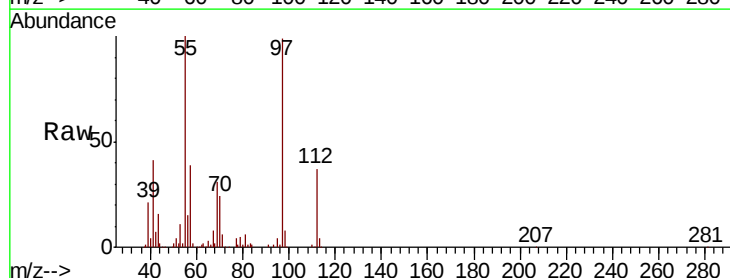
Acq: 13 Dec 2018 16:28

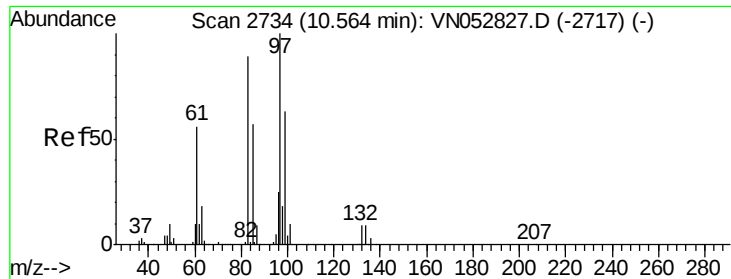
Tgt Ion: 43 Resp: 39470

Ion Ratio Lower Upper

43 100

58 10.0 32.2 48.4#

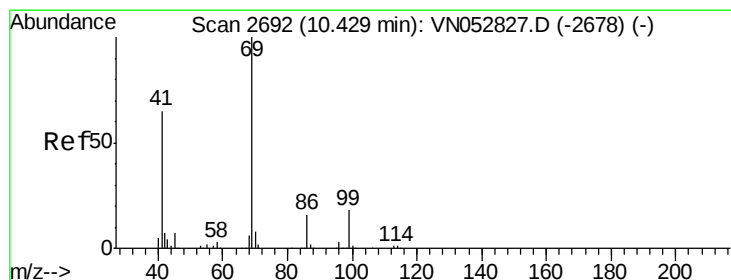
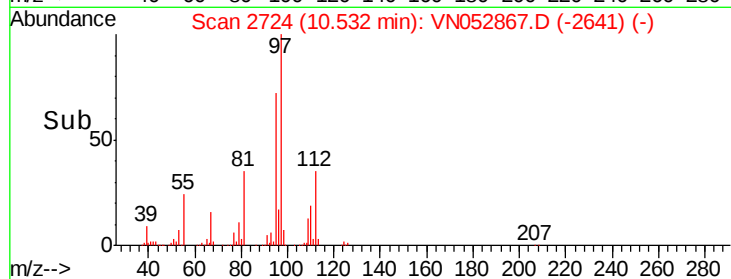
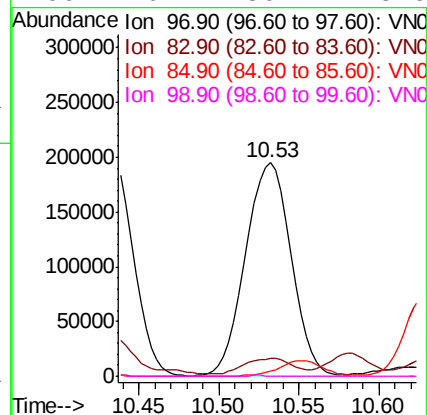
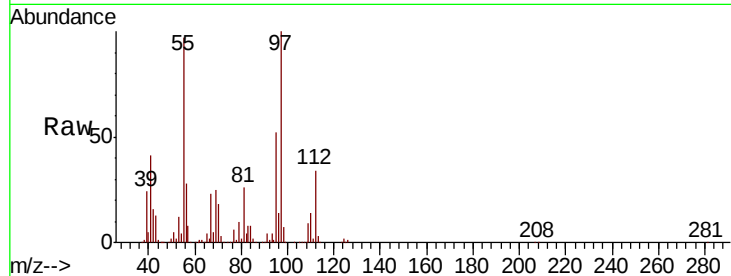




#55
 1,1,2-Trichloroethane
 Concen: 32.455 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

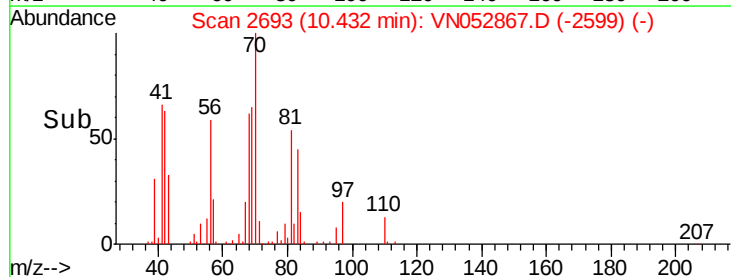
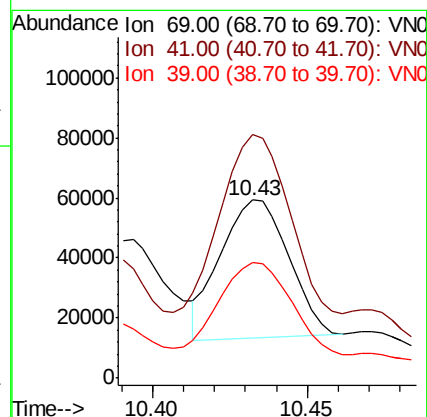
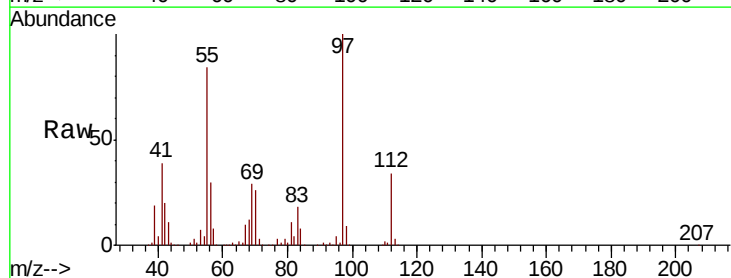
Instrument :
 MSVOA_N
 ClientSampleId :
 059_BT-3-1DL

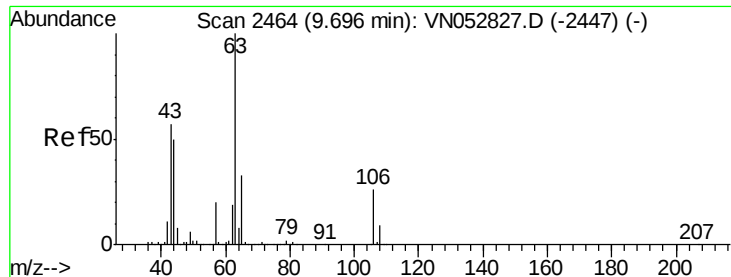
Tot Ion	Ratio	Lower	Upper
97	100		
83	6.8	70.9	106.3#
85	2.1	45.4	68.2#
99	0.2	50.4	75.6#



#56
 Ethyl methacrylate
 Concen: 4.710 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

Tgt Ion	Ratio	Lower	Upper
69	100		
41	133.6	51.7	77.5#
39	72.1	24.6	37.0#

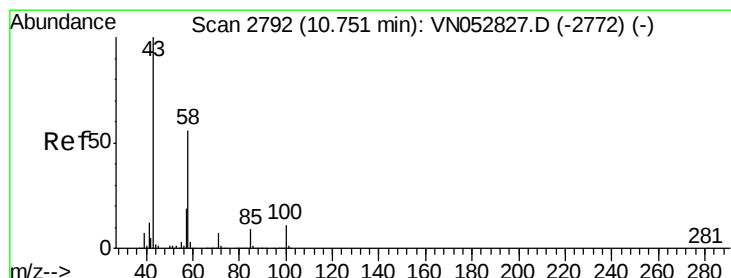
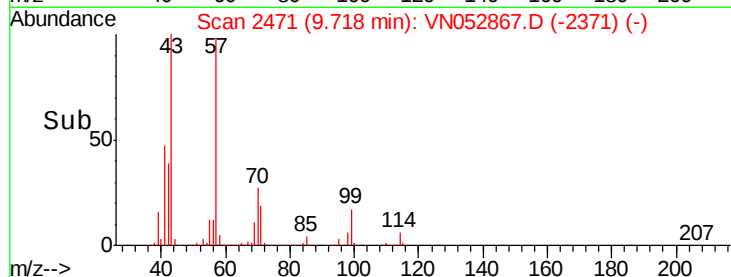
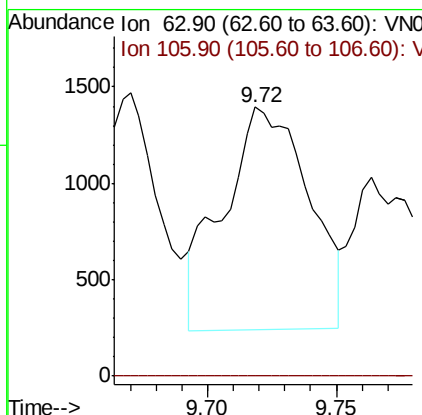
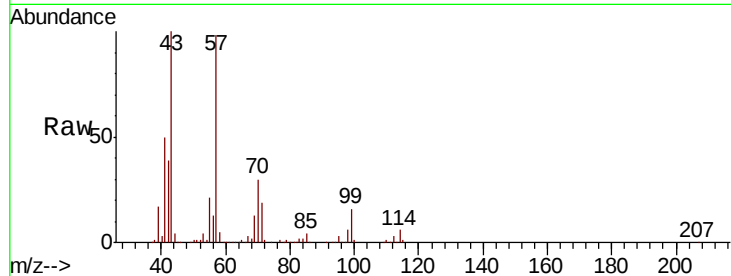




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.319 ug/l
 RT: 9.72 min Scan# 2471
 Delta R.T. 0.02 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

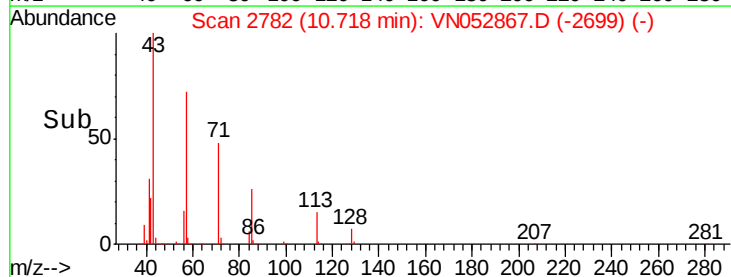
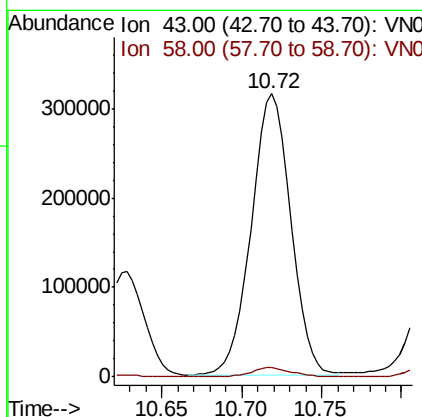
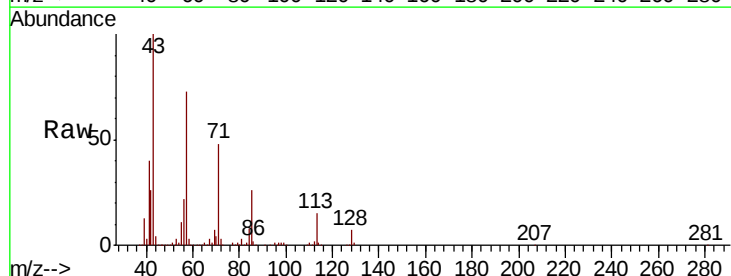
Instrument :
 MSVOA_N
 ClientSampleId :
 059_BT-3-1DL

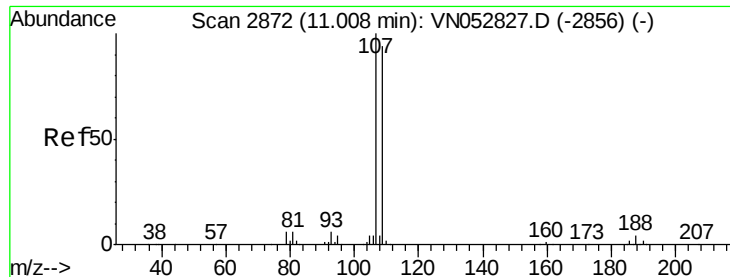
Tot Ion: 63 Resp: 2670
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#59
 2-Hexanone
 Concen: 76.732 ug/l
 RT: 10.72 min Scan# 2782
 Delta R.T. -0.03 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

Tgt Ion: 43 Resp: 534699
 Ion Ratio Lower Upper
 43 100
 58 3.6 28.1 84.3#





#61

1,2-Dibromoethane

Concen: 0.310 ug/l

RT: 10.98 min Scan# 2864

Delta R.T. -0.03 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

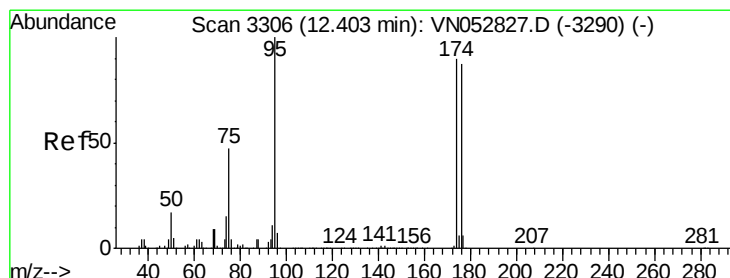
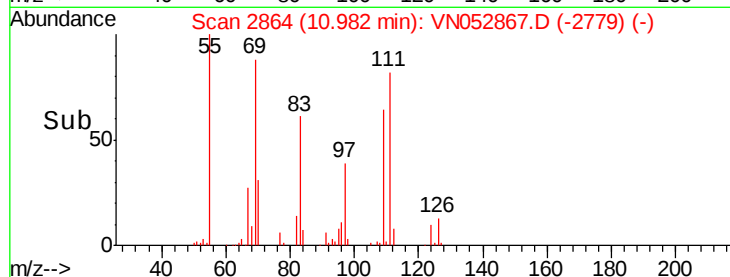
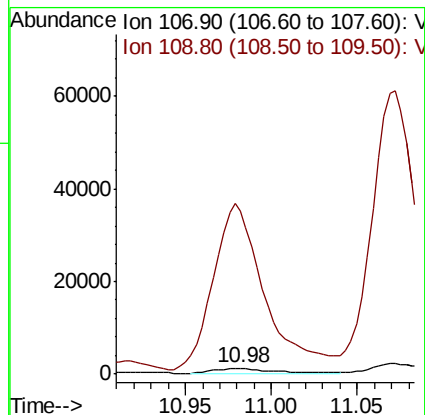
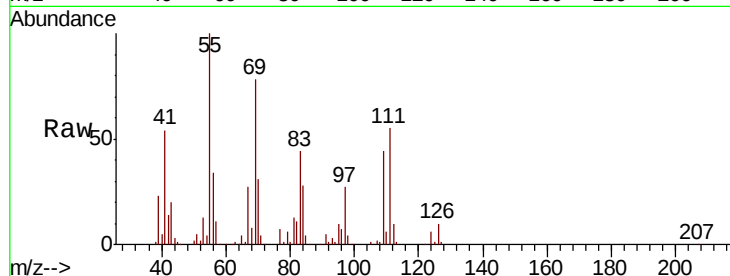
059_BT-3-1DL

Tot Ion:107 Resp: 3580

Ion Ratio Lower Upper

107 100

109 2084.8 75.4 113.0#



#62

4-Bromofluorobenzene

Concen: 0.310 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

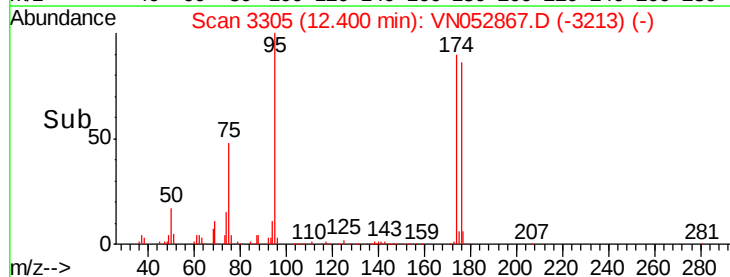
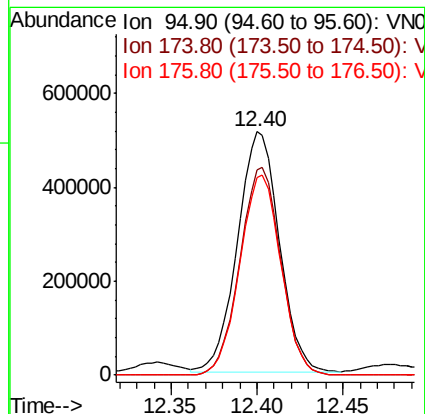
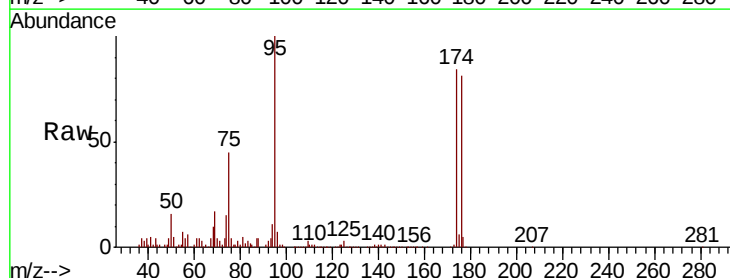
Tgt Ion: 95 Resp: 862879

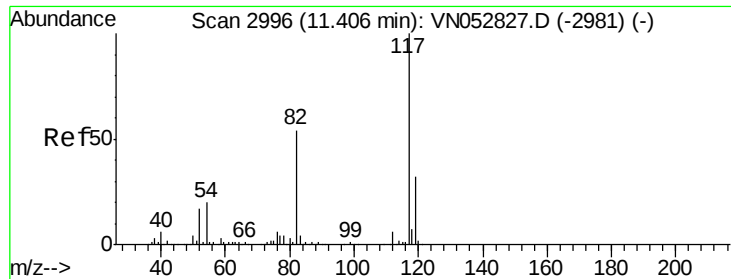
Ion Ratio Lower Upper

95 100

174 85.0 0.0 178.8

176 82.3 0.0 173.8

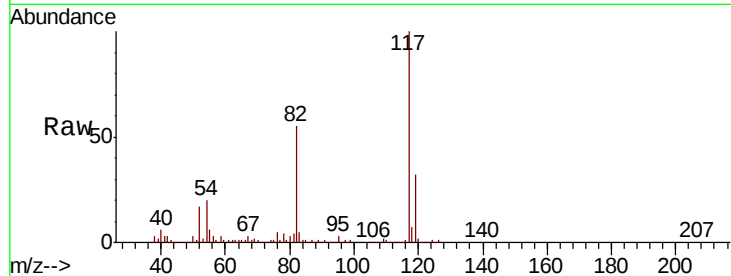




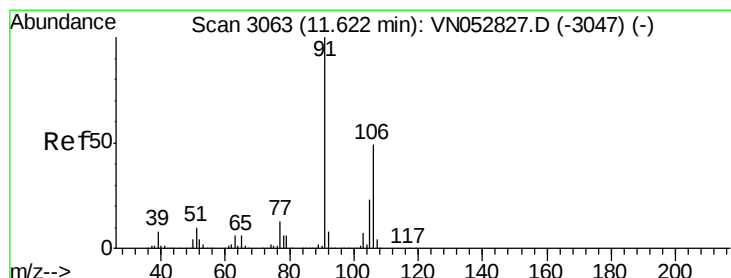
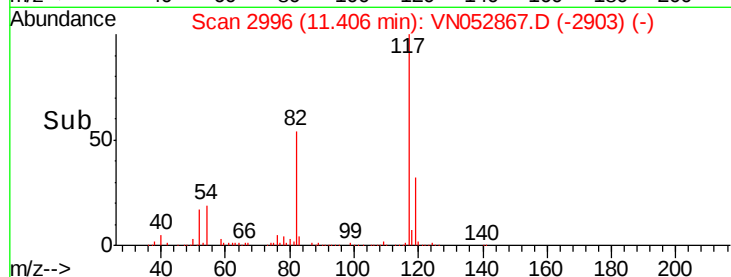
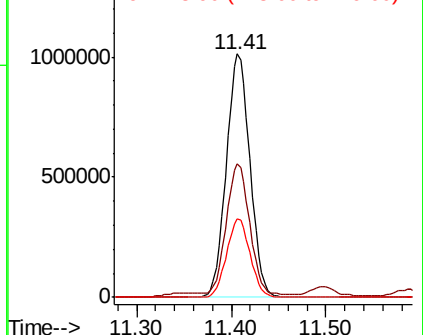
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Instrument :
MSVOA_N
ClientSampled :
059_BT-3-1DL

Tot Ion:117 Resp: 1751561
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.2 25.5 38.3

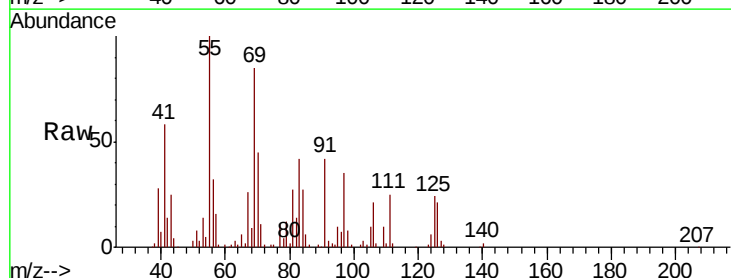


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

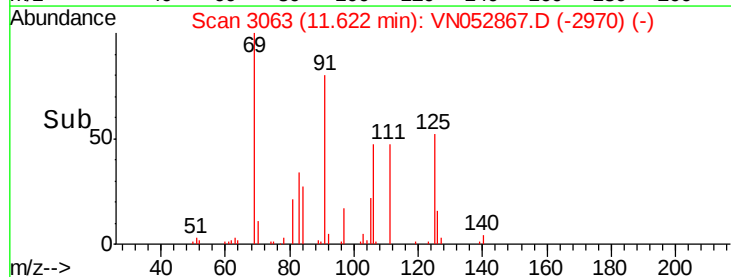
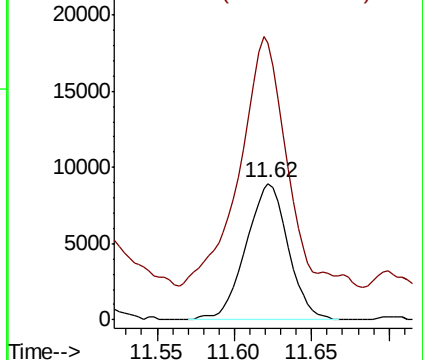


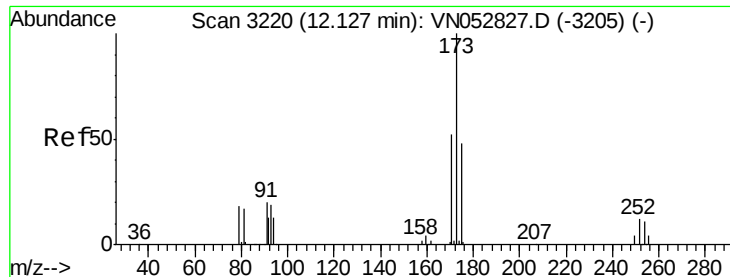
#68
m/p-Xylenes
Concen: 0.725 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion:106 Resp: 16990
Ion Ratio Lower Upper
106 100
91 220.4 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.588 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1DL

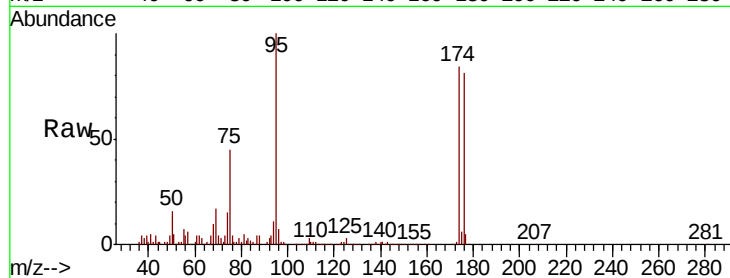
Tot Ion:173 Resp: 5052

Ion Ratio Lower Upper

173 100

175 926.7 24.3 72.9#

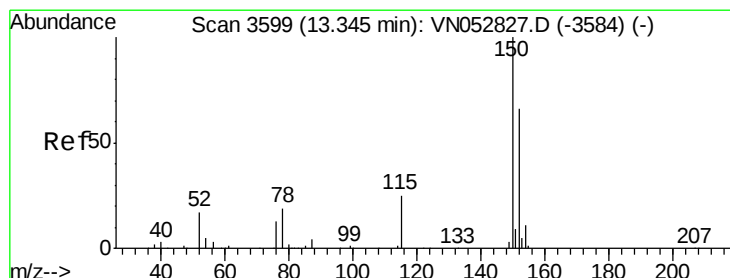
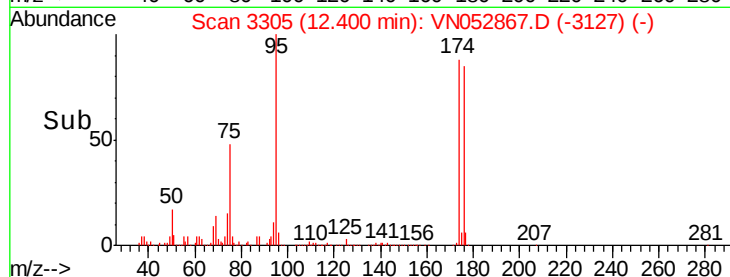
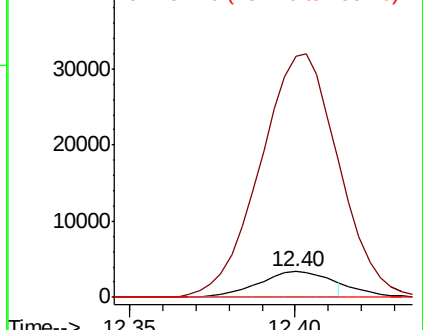
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

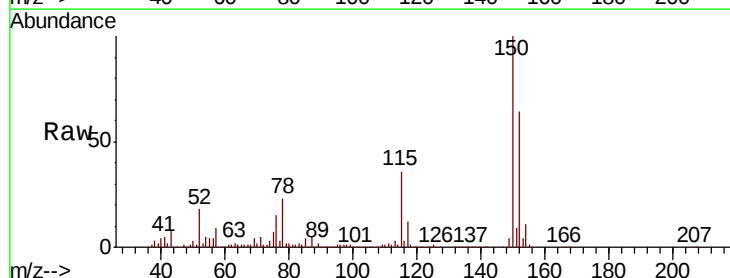
Tgt Ion:152 Resp: 797247

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

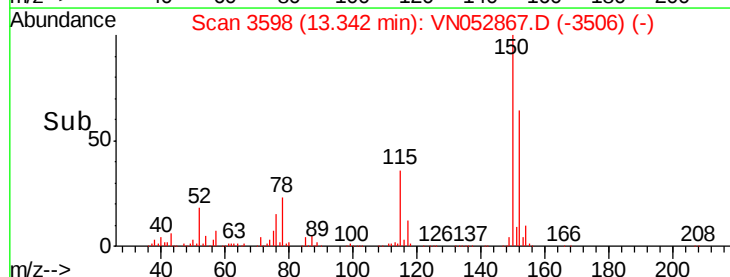
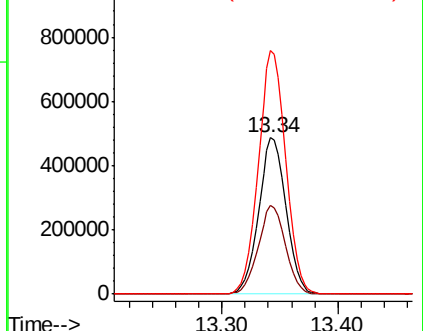
150 155.7 0.0 347.8

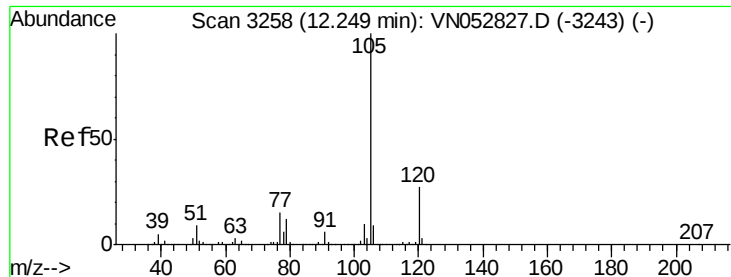


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.971 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

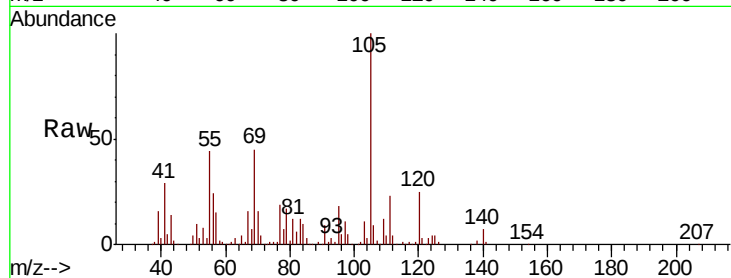
059_BT-3-1DL

Tot Ion:105 Resp: 176864

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

120000

100000

80000

60000

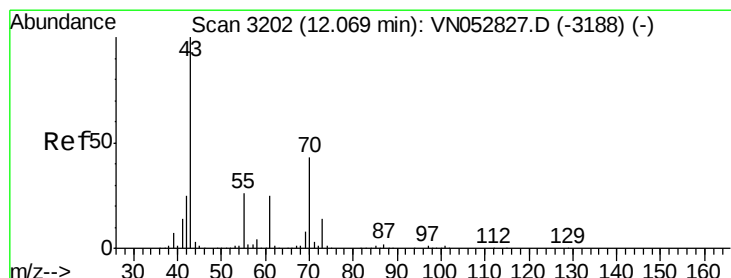
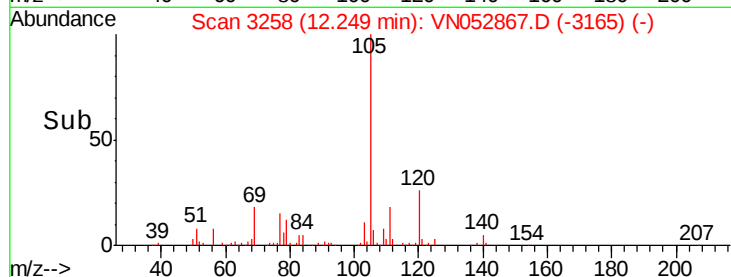
40000

20000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 14.967 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Tgt Ion: 43 Resp: 244600

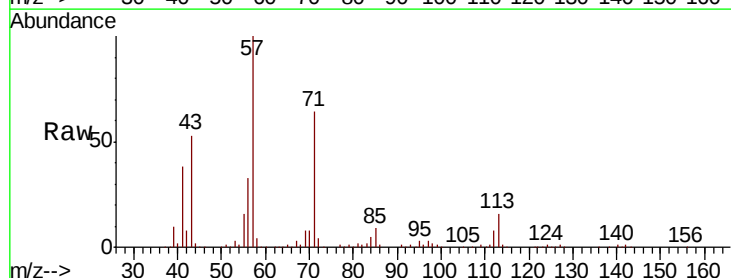
Ion Ratio Lower Upper

43 100

70 9.8 34.2 51.4#

55 7.2 20.3 30.5#

61 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

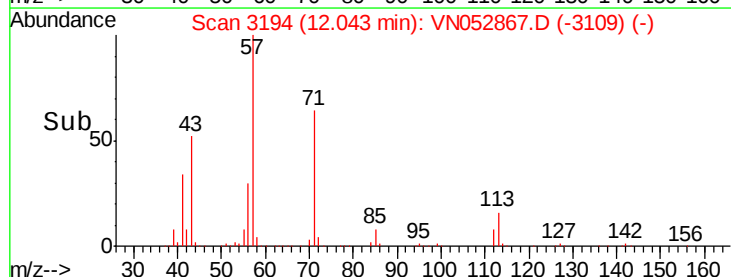
100000

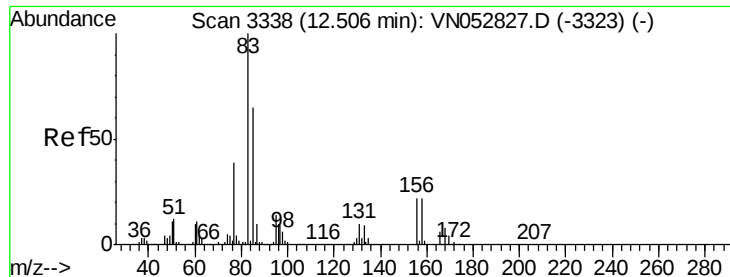
50000

0

Time-->

12.00 12.05





#75

1,1,2,2-Tetrachloroethane

Concen: 3.271 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.05 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1DL

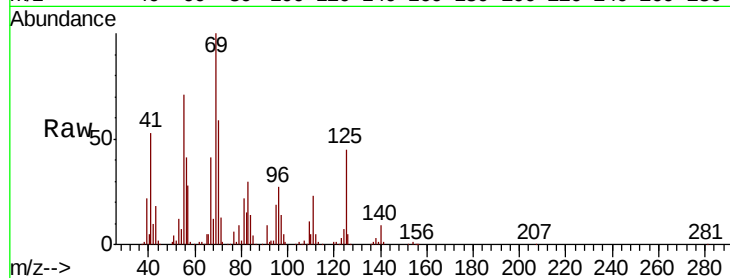
Tot Ion: 83 Resp: 43641

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

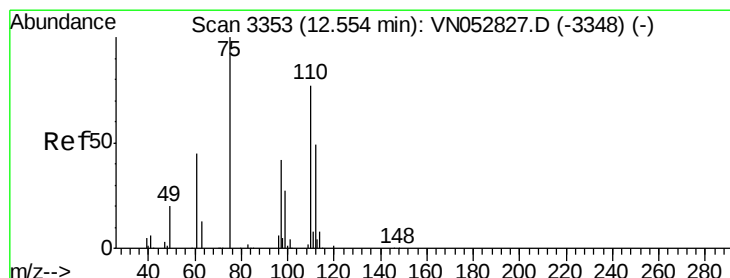
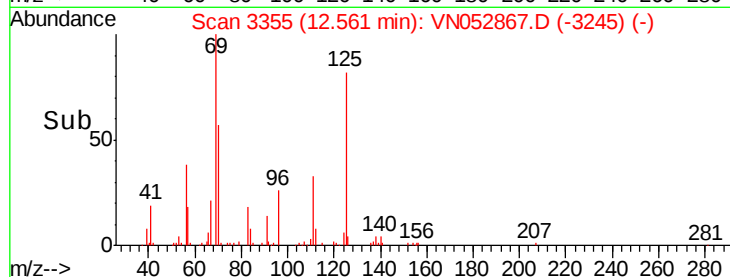
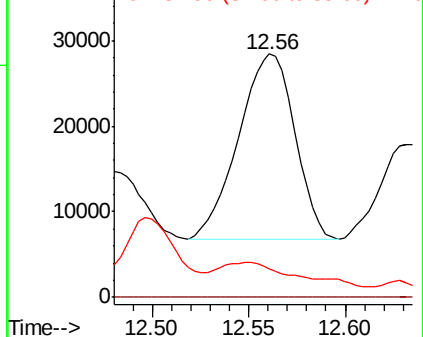
85 17.9 32.4 97.0#



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: 32.859 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052867.D

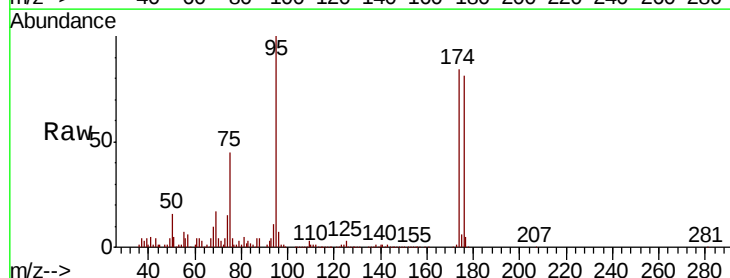
Acq: 13 Dec 2018 16:28

Tgt Ion: 75 Resp: 386502

Ion Ratio Lower Upper

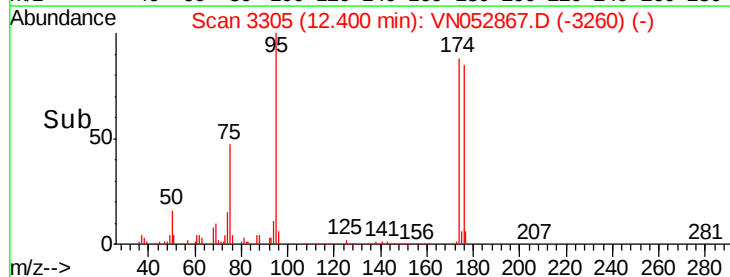
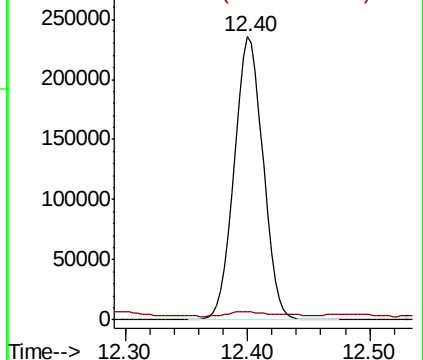
75 100

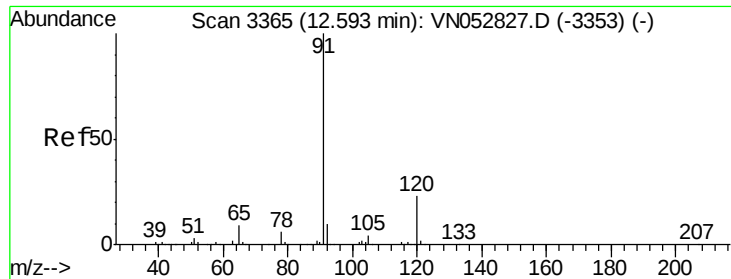
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 7.182 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

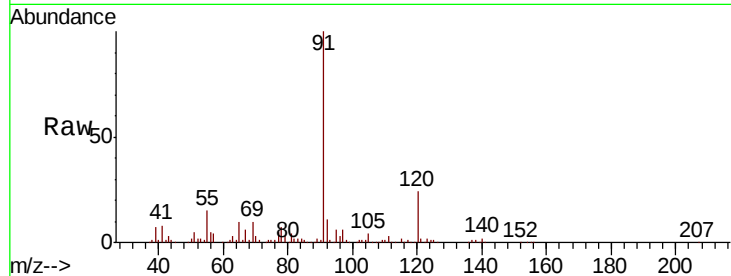
059_BT-3-1DL

Tot Ion: 91 Resp: 487563

Ion Ratio Lower Upper

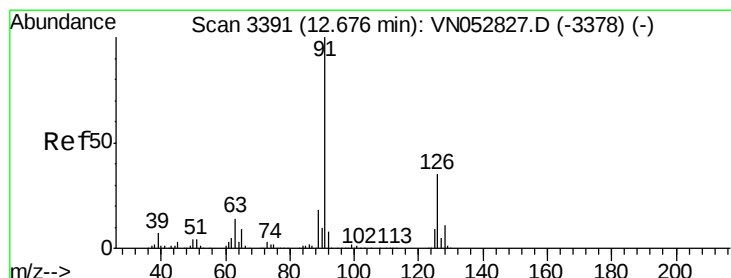
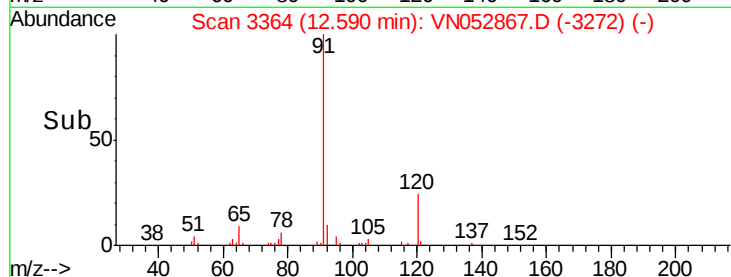
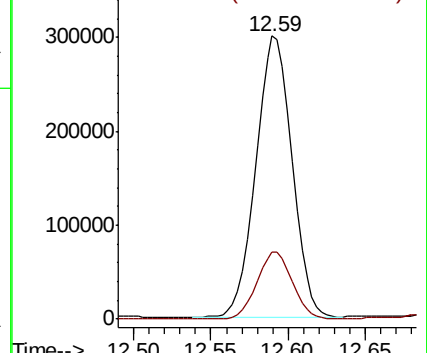
91 100

120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 12.148 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.09 min

Lab File: VN052867.D

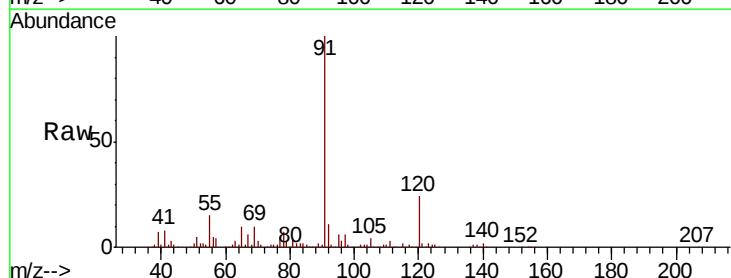
Acq: 13 Dec 2018 16:28

Tgt Ion: 91 Resp: 487563

Ion Ratio Lower Upper

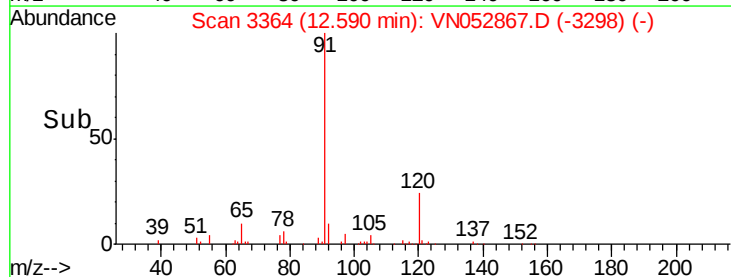
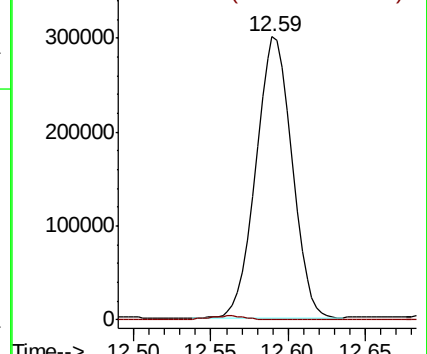
91 100

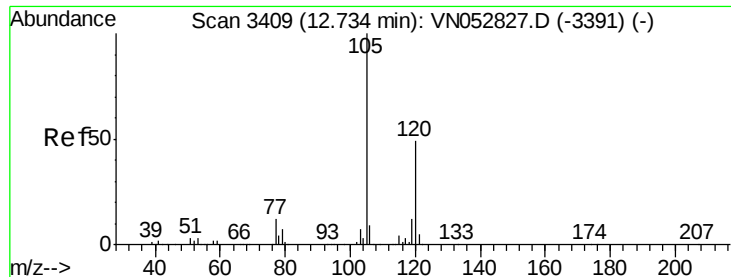
126 0.0 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

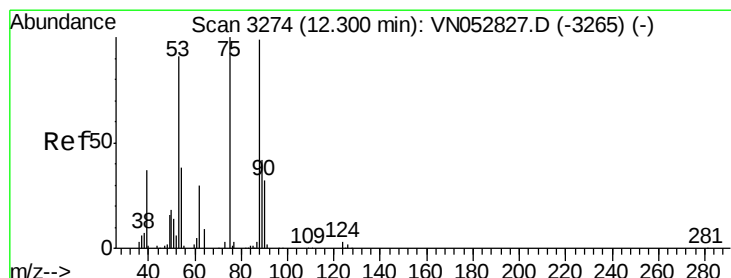
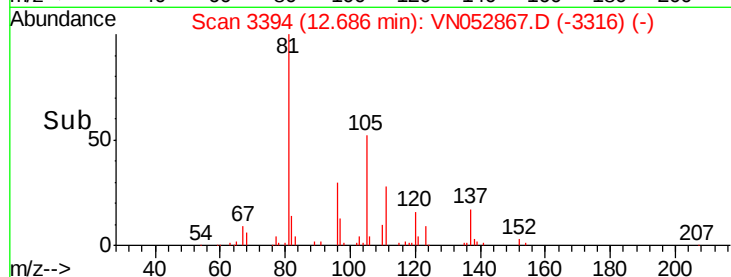
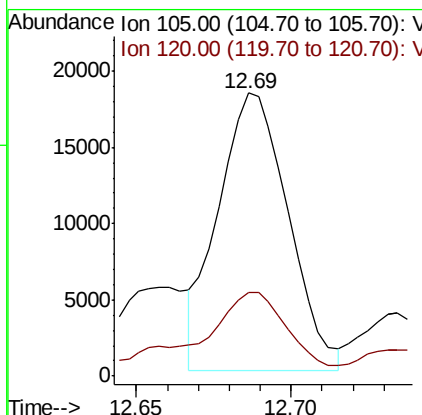
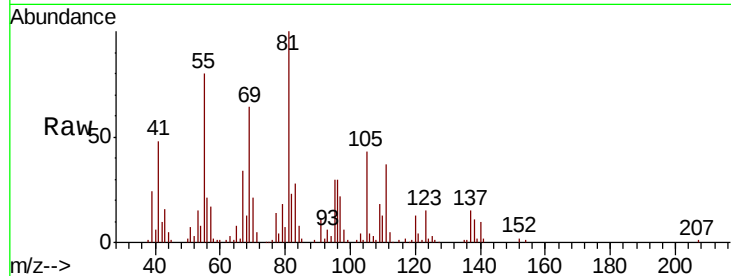




#80
 1,3,5-Trimethylbenzene
 Concen: 0.594 ug/l
 RT: 12.69 min Scan# 3394
 Delta R.T. -0.05 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

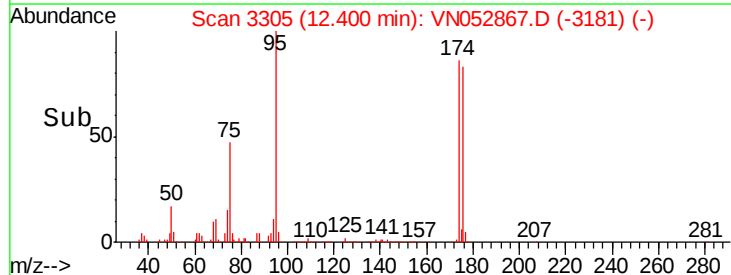
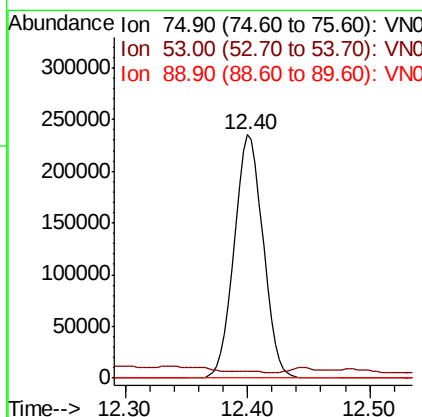
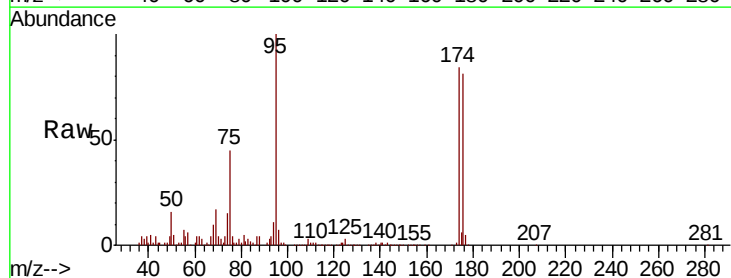
Instrument :
 MSVOA_N
 ClientSampleId :
 059_BT-3-1DL

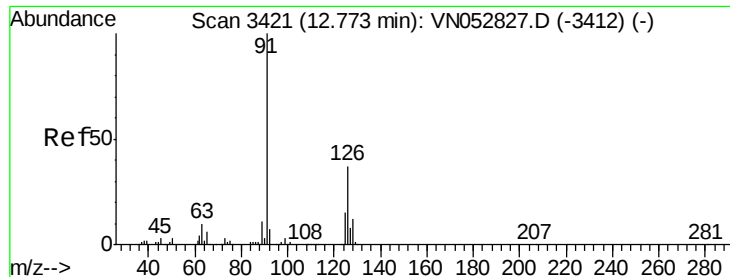
Tot Ion:105 Resp: 28562
 Ion Ratio Lower Upper
 105 100
 120 41.8 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.559 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

Tgt Ion: 75 Resp: 386502
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#





#82

4-Chlorotoluene

Concen: 11.882 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.18 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

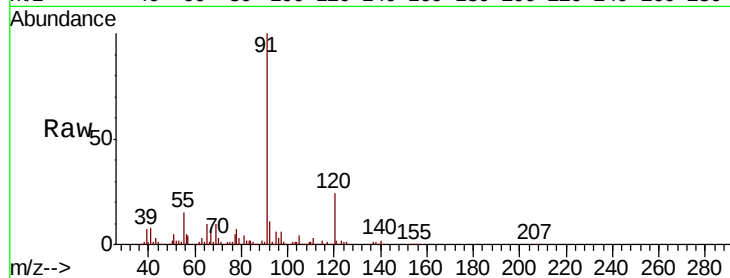
059_BT-3-1DL

Tot Ion: 91 Resp: 487563

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052827.D (-3412) (-)

12.59

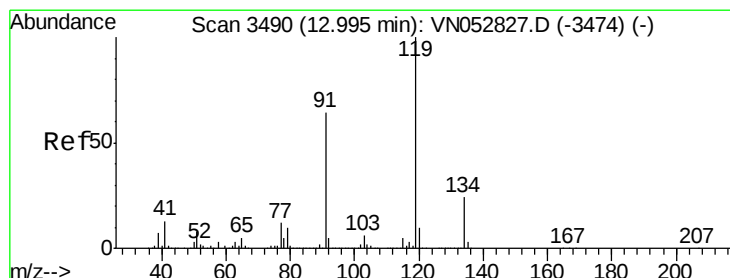
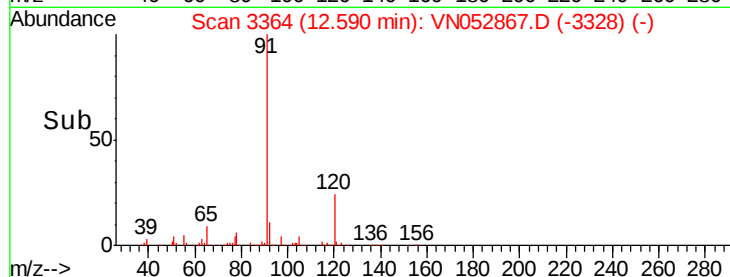
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 0.226 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

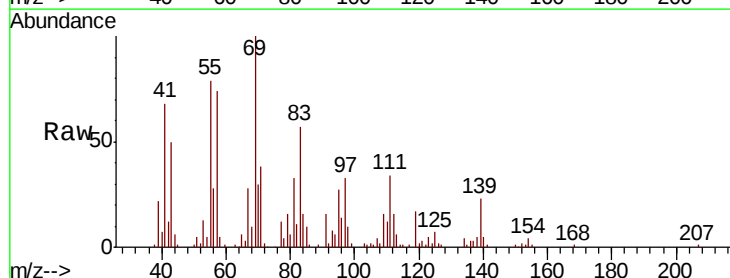
Tgt Ion: 119 Resp: 9576

Ion Ratio Lower Upper

119 100

91 74.5 31.9 95.5

134 25.0 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): VN052827.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN052827.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3474) (-)

12.99

8000

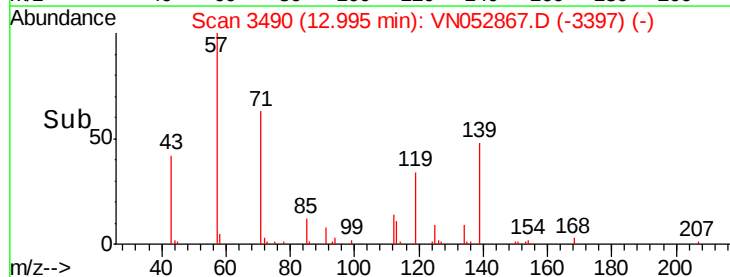
6000

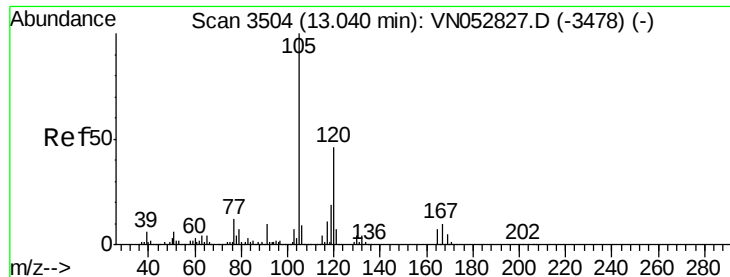
4000

2000

0

Time-->

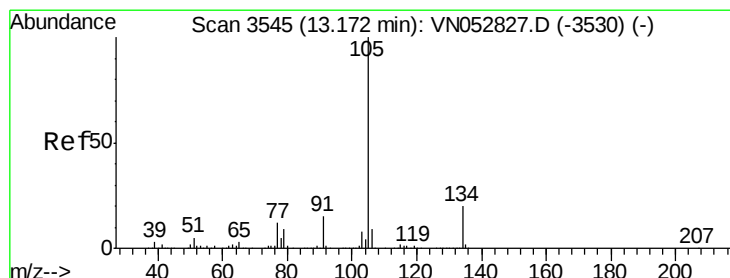
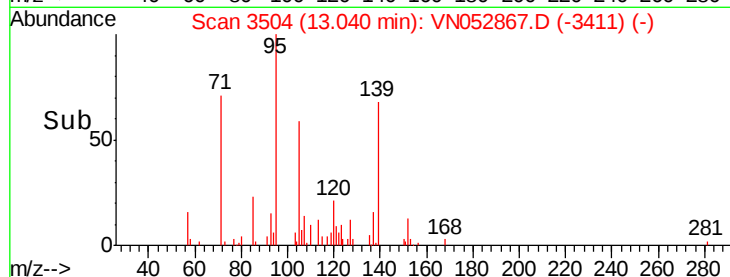
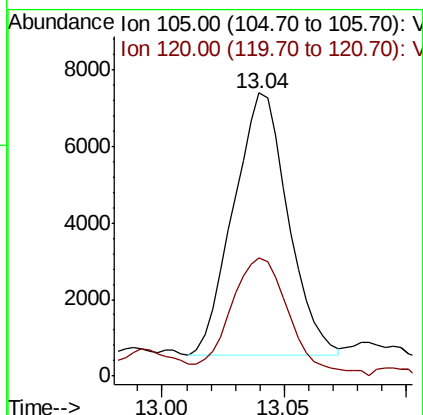
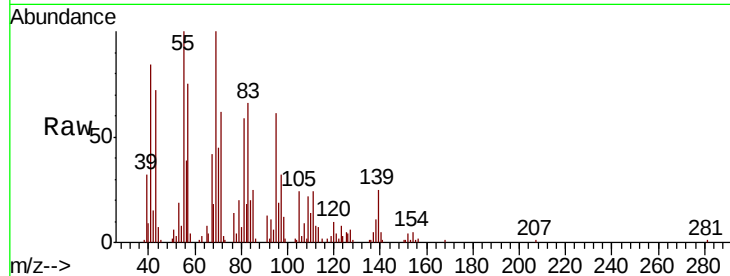




#84
 1,2,4-Trimethylbenzene
 Concen: 0.219 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

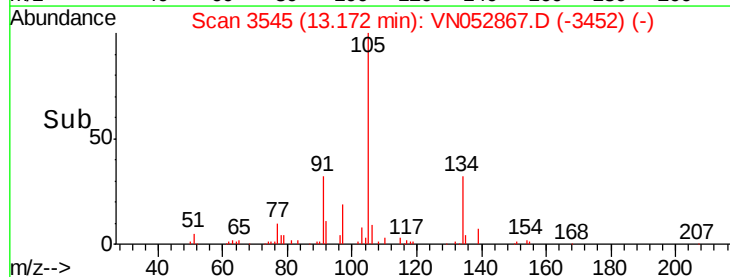
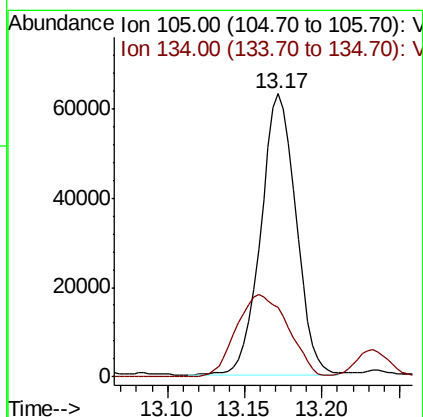
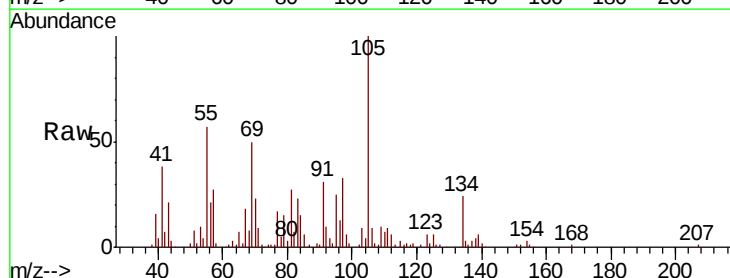
Instrument :
 MSVOA_N
 ClientSampleId :
 059_BT-3-1DL

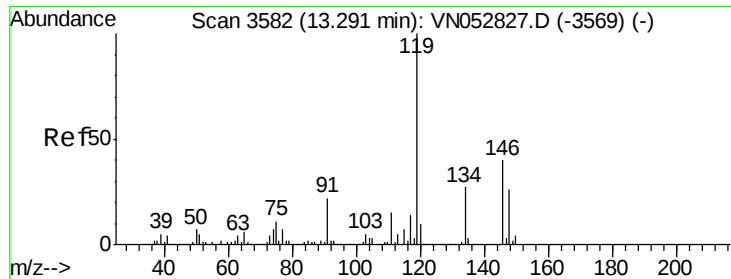
Tot Ion:105 Resp: 10637
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 1.732 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052867.D
 Acq: 13 Dec 2018 16:28

Tgt Ion:105 Resp: 99428
 Ion Ratio Lower Upper
 105 100
 134 43.3 10.1 30.3#

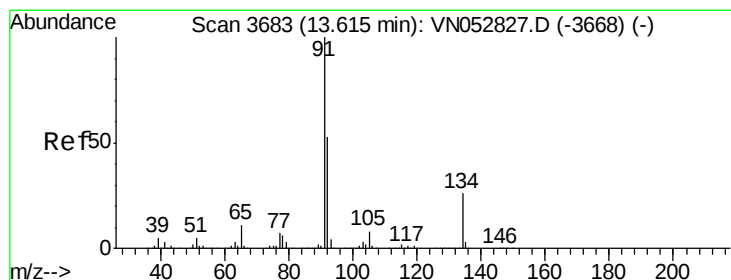
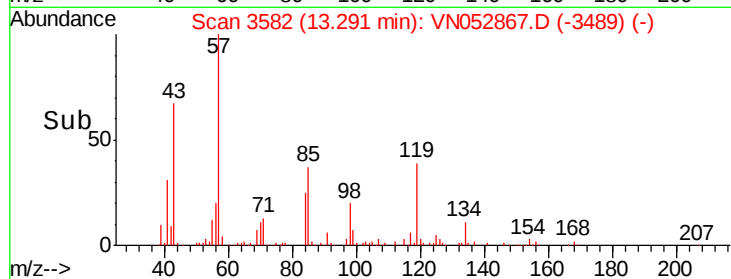
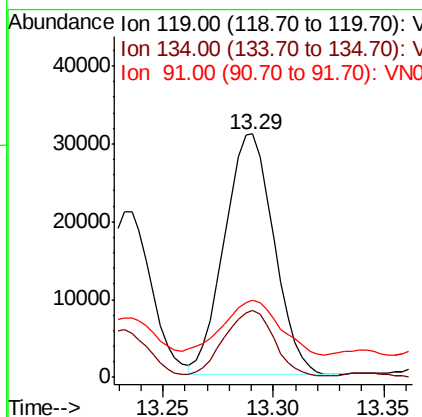
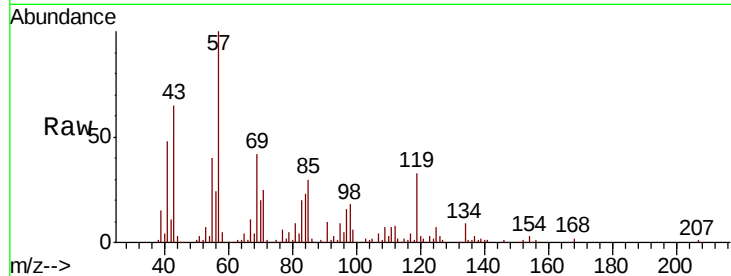




#86
p-Isopropyltoluene
Concen: 0.969 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

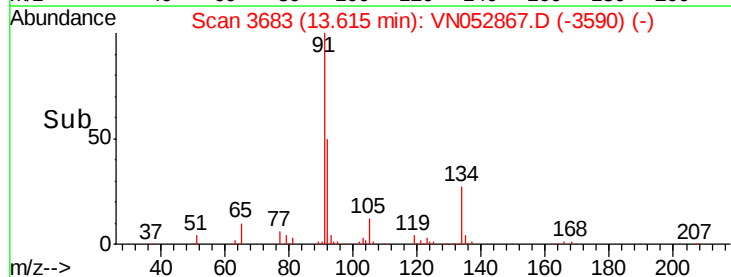
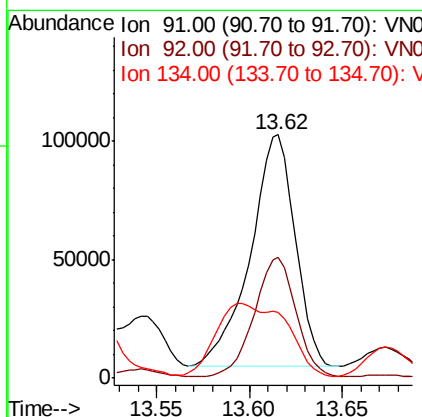
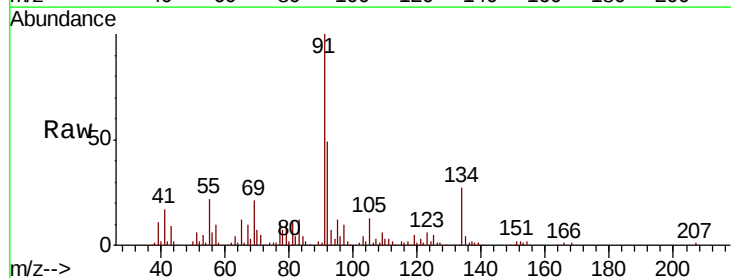
Instrument :
MSVOA_N
ClientSampleId :
059_BT-3-1DL

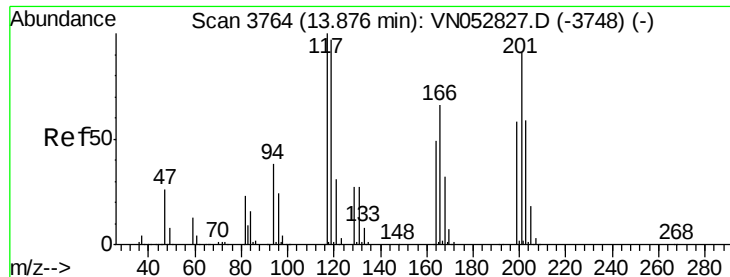
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.4	40.2
91	26.2	11.1	33.3



#89
n-Butylbenzene
Concen: 3.963 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052867.D
Acq: 13 Dec 2018 16:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.6	26.3	78.9
134	0.0	13.3	39.8#





#90

Hexachloroethane

Concen: 8.398 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_N

ClientSampleId :

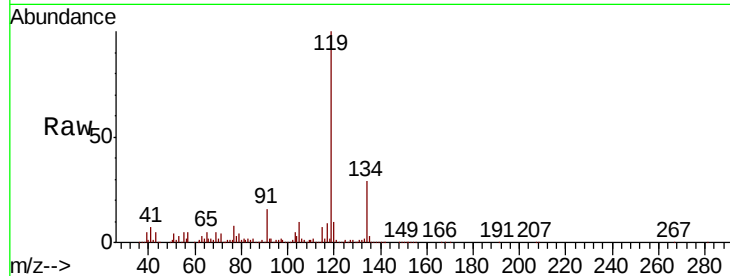
059_BT-3-1DL

Tot Ion:117 Resp: 69937

Ion Ratio Lower Upper

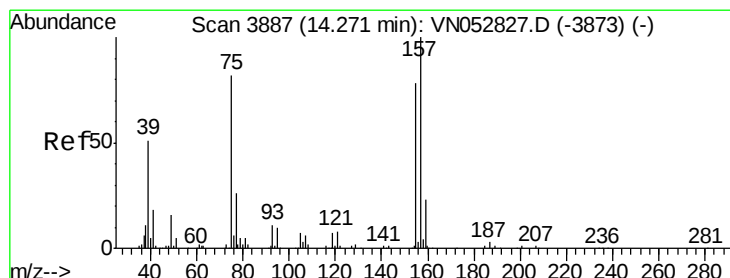
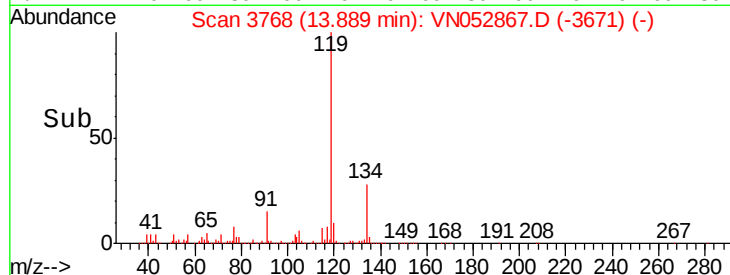
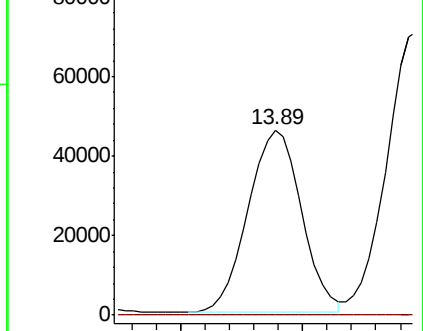
117 100

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: 0.846 ug/l

RT: 14.28 min Scan# 3891

Delta R.T. 0.01 min

Lab File: VN052867.D

Acq: 13 Dec 2018 16:28

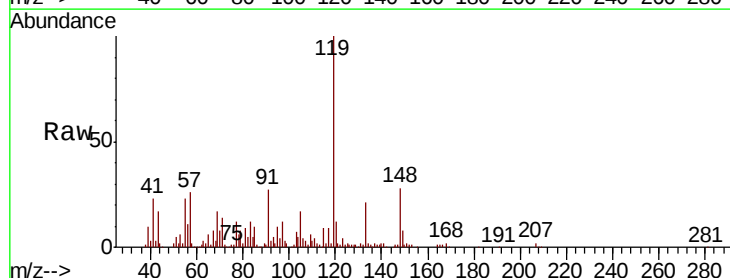
Tgt Ion: 75 Resp: 1701

Ion Ratio Lower Upper

75 100

155 6.1 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

