

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121318\
 Data File : VN052860.D
 Acq On : 13 Dec 2018 13:21
 Operator : MD\SY
 Sample : J6319-05
 Misc : 5.67µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 059_BT-3-1

Quant Time: Dec 14 01:37:45 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	7.66	168	1160073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1723856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1463836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	751264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	553773	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	
35) Dibromofluoromethane	7.59	113	443358	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
50) Toluene-d8	10.09	98	3105916	74.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.90%	
62) 4-Bromofluorobenzene	12.40	95	1042567	73.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.50%	

Target Compounds

						Qvalue
13) Acrolein	3.55	56	3457	5.327	ug/l #	1
14) Allyl chloride	4.58	41	1702460	97.726	ug/l #	57
15) Acrylonitrile	5.05	53	90095	23.301	ug/l #	39
16) Acetone	3.79	43	56708	20.470	ug/l #	52
18) Methyl Acetate	4.58	43	4349327	427.783	ug/l #	51
20) Methylene Chloride	4.55	84	4326	0.347	ug/l #	1
23) Vinyl Acetate	5.92	43	32481	1.469	ug/l #	78
24) 1,1-Dichloroethane	5.93	63	10641	0.497	ug/l #	84
25) 2-Butanone	6.81	43	54006	12.564	ug/l #	49
26) 2,2-Dichloropropane	6.62	77	22271	1.411	ug/l #	51
29) Tetrahydrofuran	7.21	42	11216	3.822	ug/l #	40
30) Chloroform	7.32	83	449812	21.523	ug/l #	18
31) Cyclohexane	7.64	56	3675598	177.323	ug/l #	79
36) 1,1-Dichloropropene	7.66	75	78354	4.936	ug/l #	49
37) Ethyl Acetate	6.81	43	54006	5.663	ug/l #	68
38) Carbon Tetrachloride	7.66	117	100872	6.904	ug/l #	15
39) Methylcyclohexane	9.08	83	12101667	621.217	ug/l	98
40) Benzene	8.04	78	26131	0.548	ug/l #	89
41) Methacrylonitrile	7.21	41	111304	21.065	ug/l #	40
42) 1,2-Dichloroethane	8.16	62	10222	0.713	ug/l #	1
43) Isopropyl Acetate	8.15	43	902015	46.134	ug/l #	53
45) 1,2-Dichloropropane	9.15	63	6908	0.554	ug/l #	1
47) Bromodichloromethane	9.39	83	1075469	71.659	ug/l #	25
48) Methyl methacrylate	9.14	41	802957	93.645	ug/l #	30
49) 1,4-Dioxane	9.08	88	65	0.668	ug/l #	1
51) 4-Methyl-2-Pentanone	9.87	43	8369100	933.481	ug/l #	40
52) Toluene	10.16	92	28903	1.002	ug/l	75
55) 1,1,2-Trichloroethane	10.53	97	3610743	350.524	ug/l #	18
56) Ethyl methacrylate	10.43	69	681916	51.583	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.67	63	11355	1.539	ug/l #	49
59) 2-Hexanone	10.72	43	5337571	868.716	ug/l #	28
60) Dibromochloromethane	10.63	129	2975	0.267	ug/l	88
61) 1,2-Dibromoethane	10.98	107	18887	1.855	ug/l #	1
65) Chlorobenzene	11.54	112	85110	2.802	ug/l #	43

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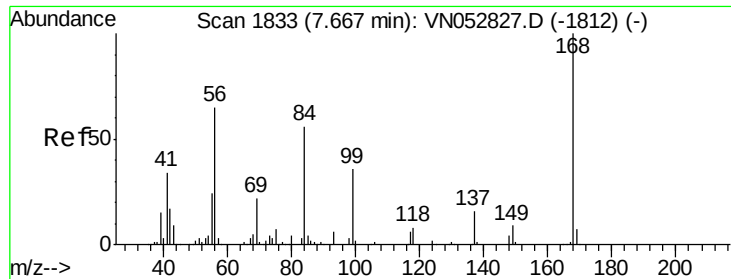
Instrument :
 MSVOA_N
 ClientSampleId :
 059_BT-3-1

Quant Time: Dec 14 01:37:45 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)

67) Ethyl Benzene	11.52	91	111623	2.140	ug/l #	79
68) m/p-Xylenes	11.62	106	122856	6.274	ug/l #	61
69) o-Xylene	11.95	106	25181	1.317	ug/l #	1
71) Bromoform	12.40	173	1836	0.256	ug/l #	1
73) Isopropylbenzene	12.25	105	1461879	26.062	ug/l	100
74) N-amyl acetate	12.05	43	2111312	137.102	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.56	83	445212	35.416	ug/l #	25
76) 1,2,3-Trichloropropane	12.59	75	23496	2.120	ug/l #	100
77) Bromobenzene	12.50	156	3159	0.221	ug/l #	1
78) n-propylbenzene	12.59	91	4178788	65.322	ug/l	100
79) 2-Chlorotoluene	12.89	91	136639	3.613	ug/l	73
80) 1,3,5-Trimethylbenzene	12.69	105	253212	5.592	ug/l	65
81) trans-1,4-Dichloro-2-buten	12.25	75	14522	4.209	ug/l #	4
82) 4-Chlorotoluene	12.89	91	136639	3.534	ug/l	73
83) tert-Butylbenzene	12.99	119	75816	1.898	ug/l	72
84) 1,2,4-Trimethylbenzene	13.04	105	81648	1.781	ug/l	97
85) sec-Butylbenzene	13.17	105	882322	16.311	ug/l #	50
86) p-Isopropyltoluene	13.29	119	420734	8.977	ug/l	91
89) n-Butylbenzene	13.62	91	1590738	40.319	ug/l #	81
90) Hexachloroethane	13.89	117	637795	81.272	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.29	75	12936	6.827	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	3198	0.241	ug/l #	69
95) Naphthalene	15.11	128	67004	2.440	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampled :

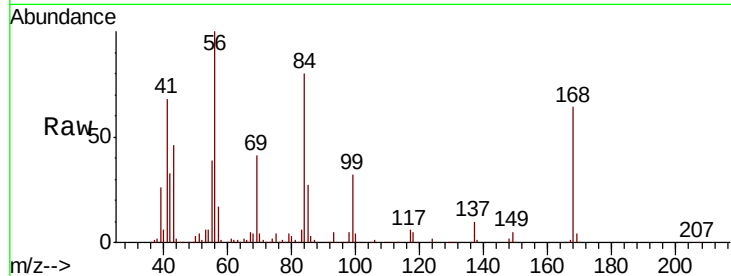
059_BT-3-1

Tot Ion:168 Resp: 1160073

Ion Ratio Lower Upper

168 100

99 49.4 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) (-)

7.66

500000

400000

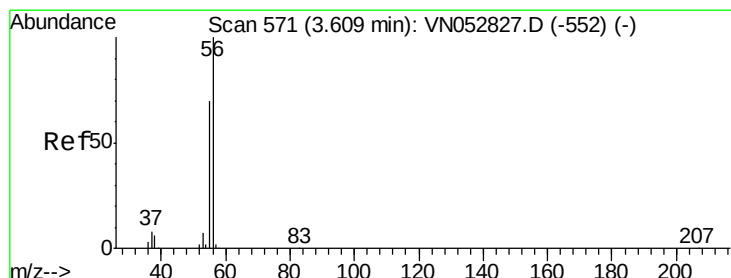
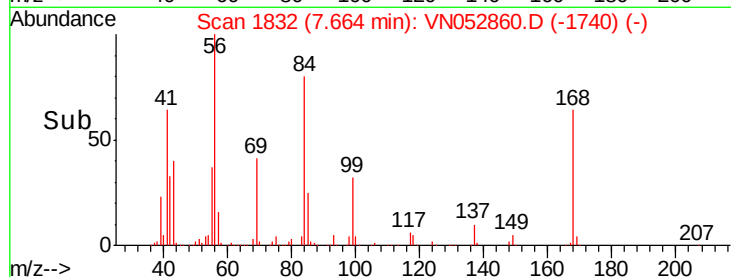
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 5.327 ug/l

RT: 3.55 min Scan# 552

Delta R.T. -0.06 min

Lab File: VN052860.D

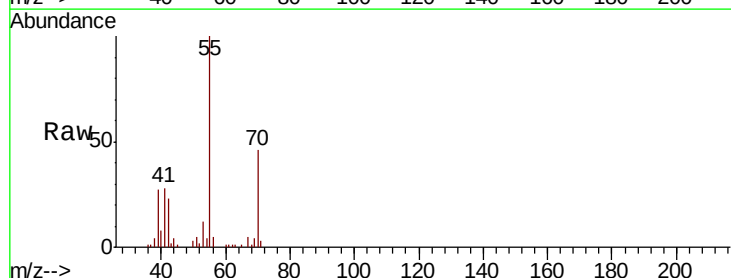
Acq: 13 Dec 2018 13:21

Tgt Ion: 56 Resp: 3457

Ion Ratio Lower Upper

56 100

55 2290.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052827.D (-552) (-)

3.55

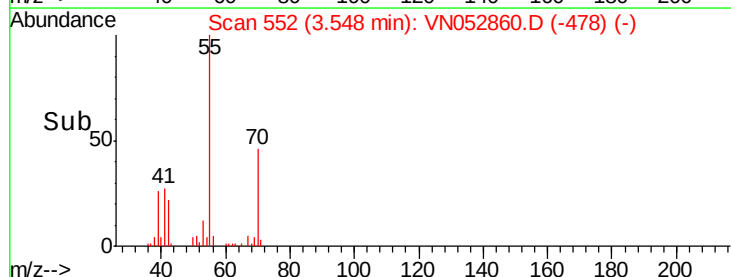
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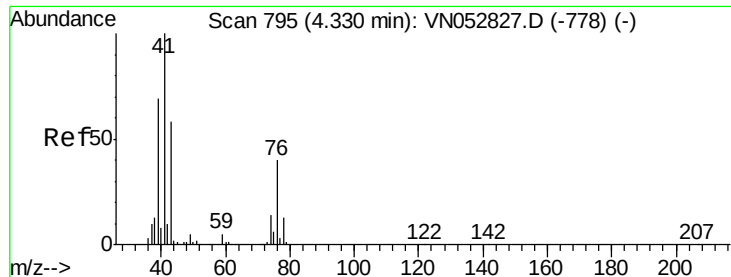
20000

10000

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Time-->

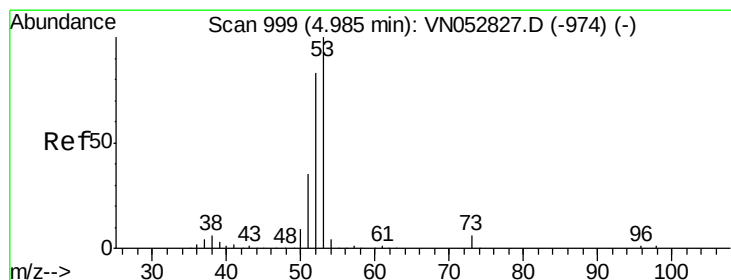
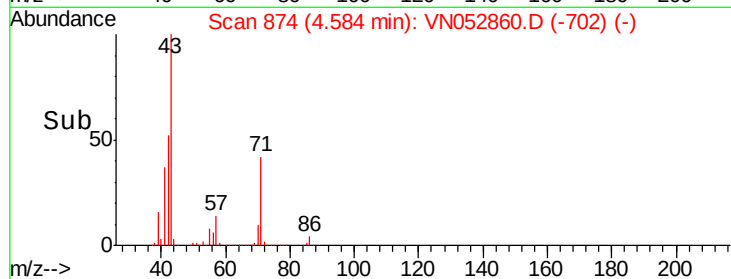
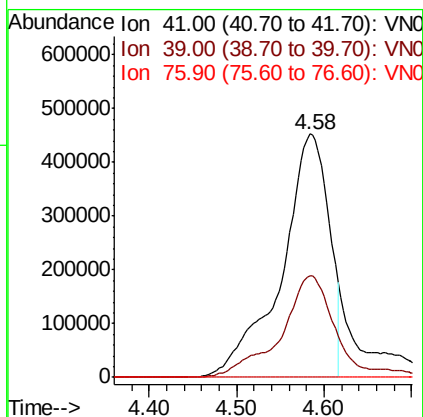
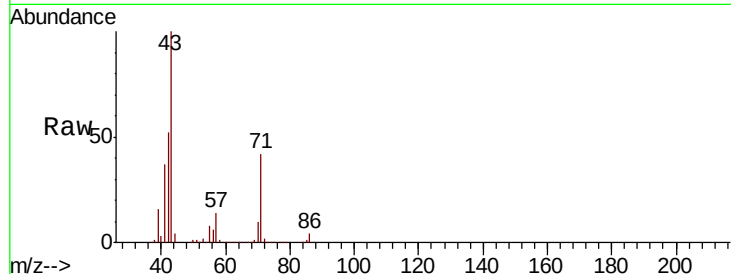




#14
Allvl chloride
Concen: 97.726 ug/l
RT: 4.58 min Scan# 874
Delta R.T. 0.25 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

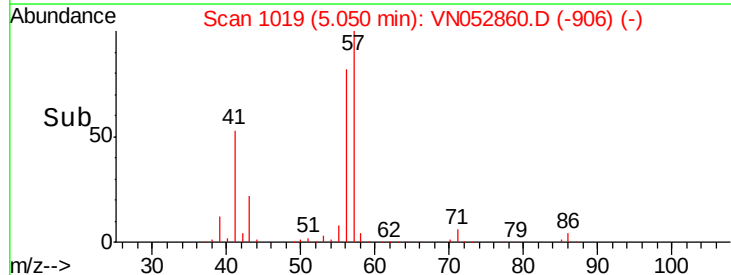
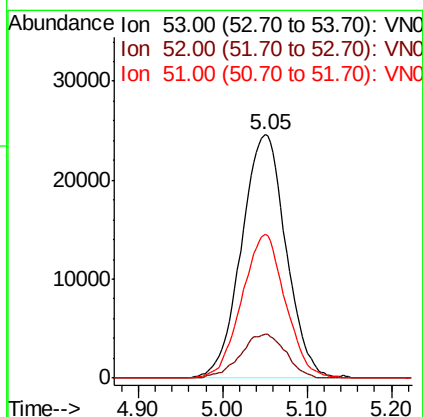
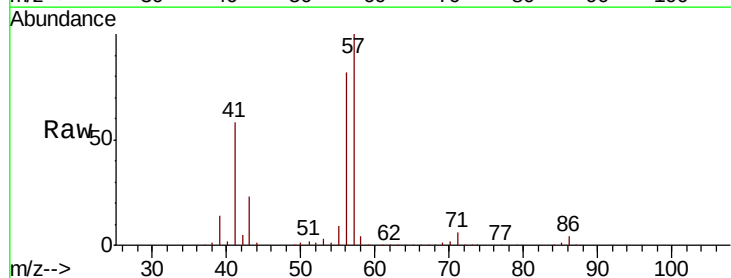
Instrument :
MSVOA_N
ClientSampled :
059_BT-3-1

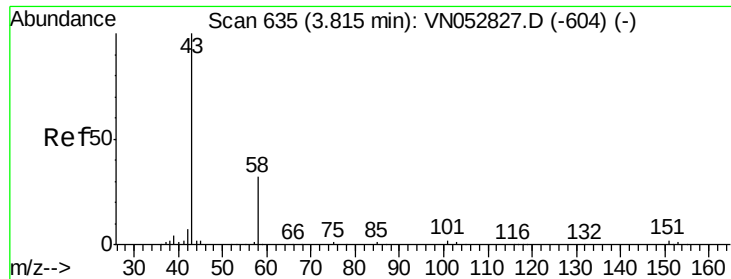
Tot Ion: 41 Resp: 1702460
Ion Ratio Lower Upper
41 100
39 41.9 54.1 81.1#
76 0.0 30.3 45.5#



#15
Acrylonitrile
Concen: 23.301 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.06 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

Tgt Ion: 53 Resp: 90095
Ion Ratio Lower Upper
53 100
52 18.3 65.1 97.7#
51 57.8 28.1 42.1#





#16

Acetone

Concen: 20.470 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.02 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

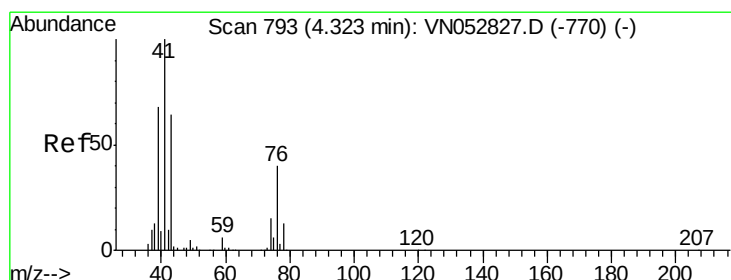
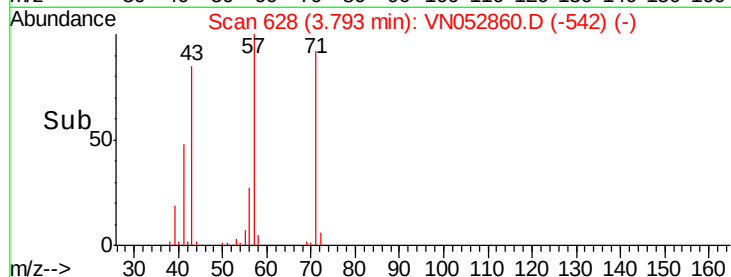
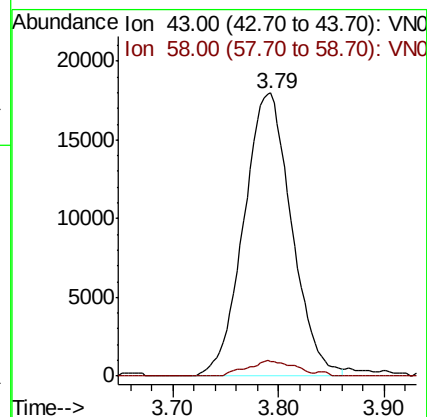
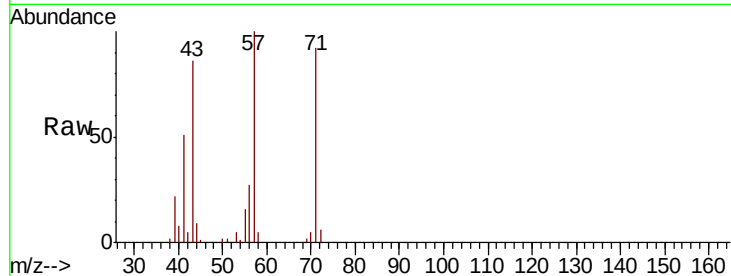
059_BT-3-1

Tot Ion: 43 Resp: 56708

Ion Ratio Lower Upper

43 100

58 5.2 25.4 38.0#



#18

Methyl Acetate

Concen: 427.783 ug/l

RT: 4.58 min Scan# 874

Delta R.T. 0.26 min

Lab File: VN052860.D

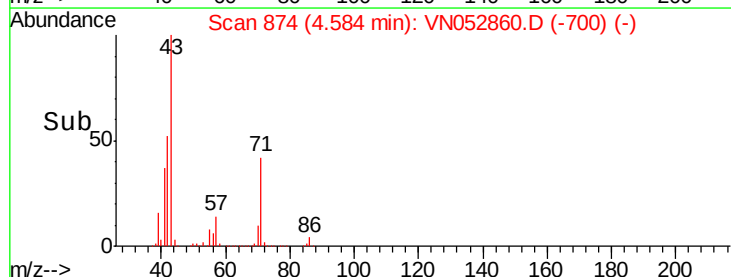
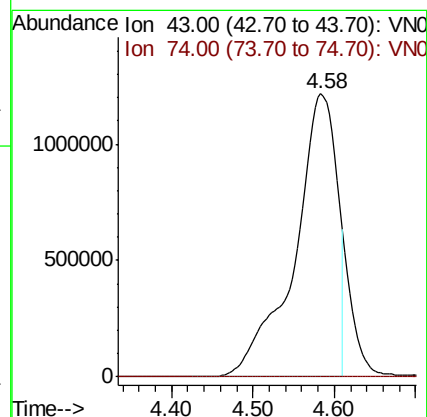
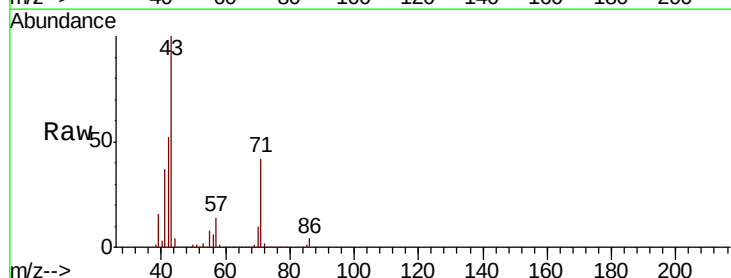
Acq: 13 Dec 2018 13:21

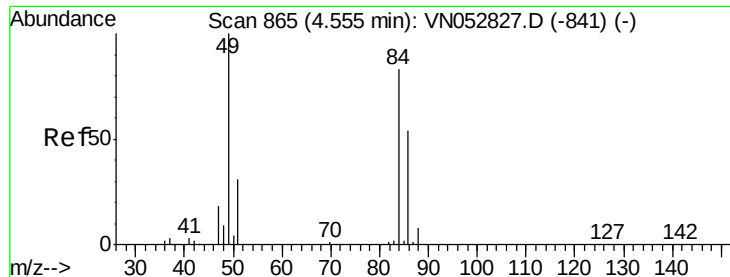
Tgt Ion: 43 Resp: 4349327

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

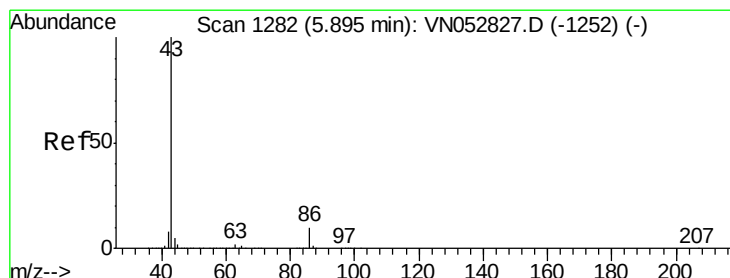
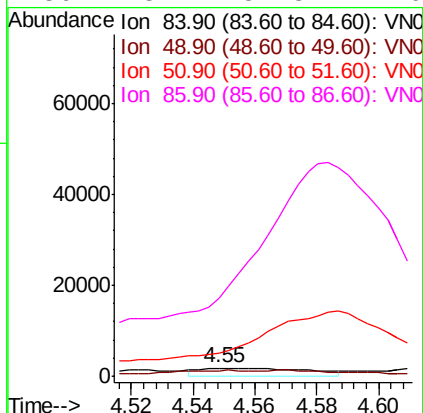
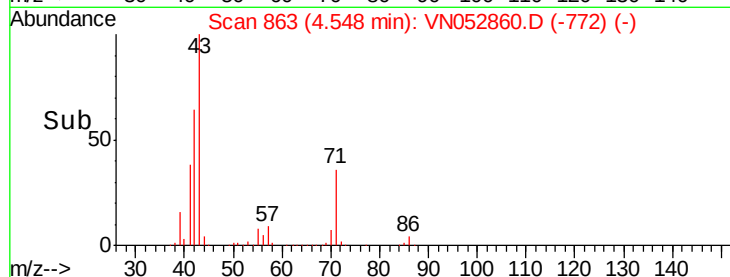
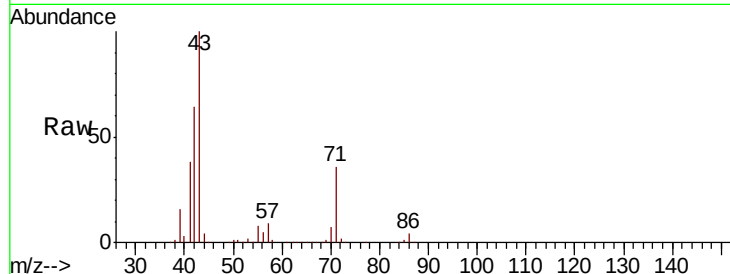




#20
Methvlene Chloride
Concen: 0.347 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

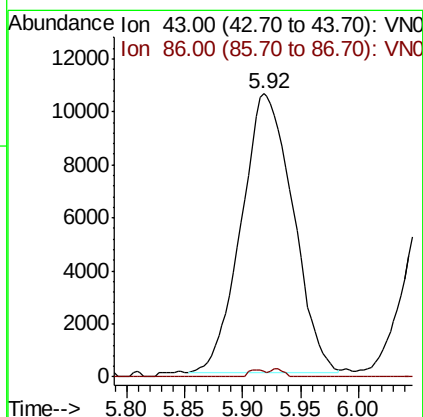
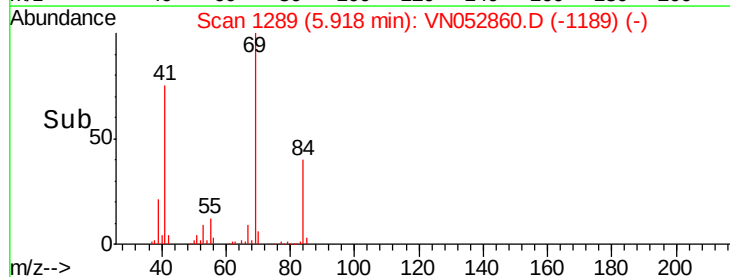
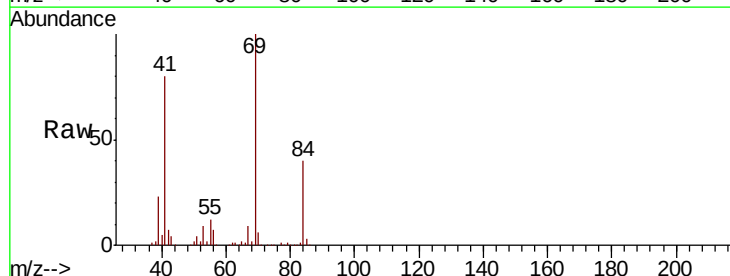
Instrument :
MSVOA_N
ClientSampled :
059_BT-3-1

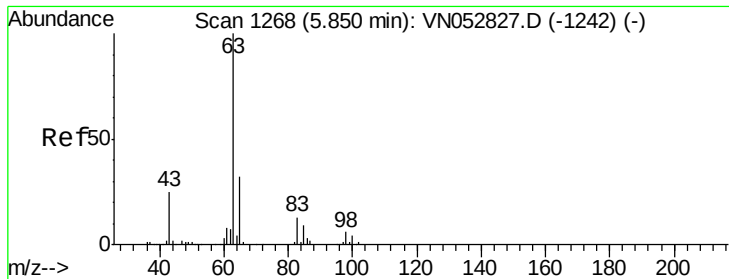
Tot Ion: 84 Resp: 4326
Ion Ratio Lower Upper
84 100
49 54.9 96.8 145.2#
51 82.5 29.9 44.9#
86 473.1 51.8 77.6#



#23
Vinyl Acetate
Concen: 1.469 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.02 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

Tgt Ion: 43 Resp: 32481
Ion Ratio Lower Upper
43 100
86 1.9 8.1 12.1#





#24

1,1-Dichloroethane

Concen: 0.497 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.08 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1

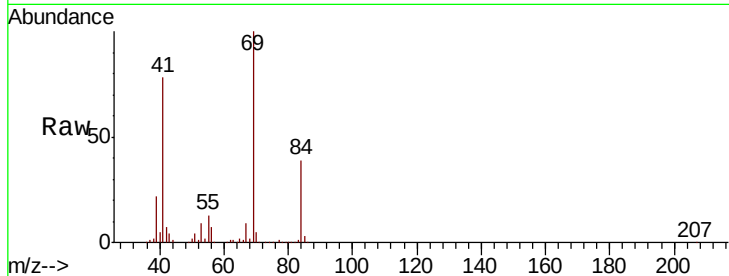
Tot Ion: 63 Resp: 10641

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

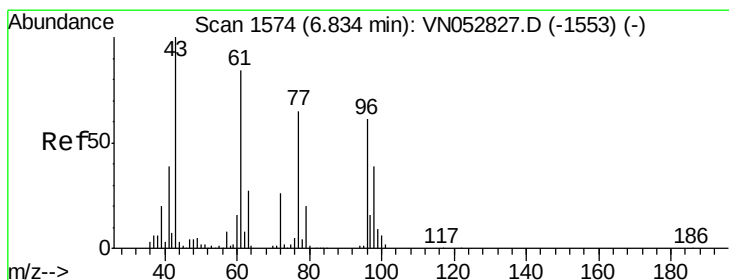
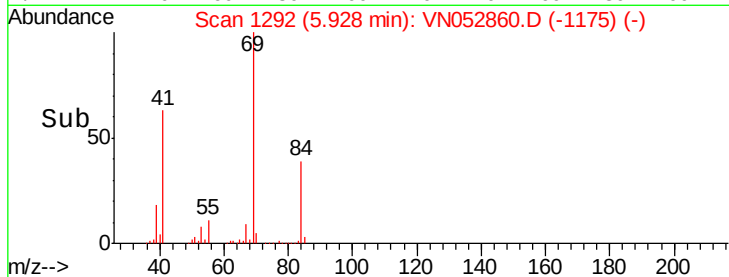
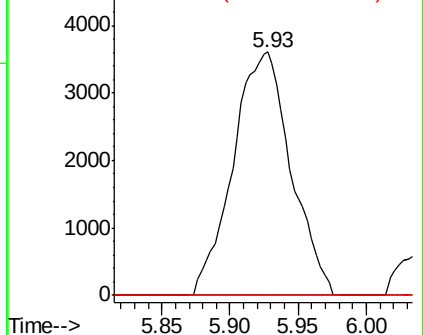
100 0.0 2.0 5.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 12.564 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.03 min

Lab File: VN052860.D

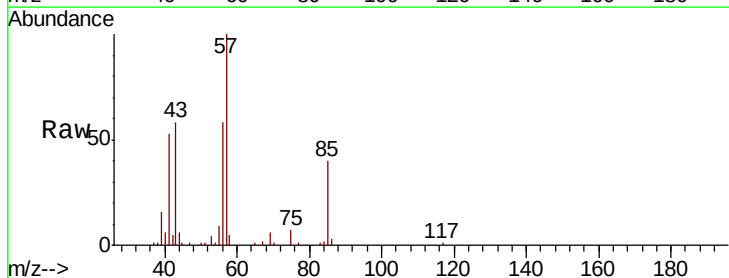
Acq: 13 Dec 2018 13:21

Tgt Ion: 43 Resp: 54006

Ion Ratio Lower Upper

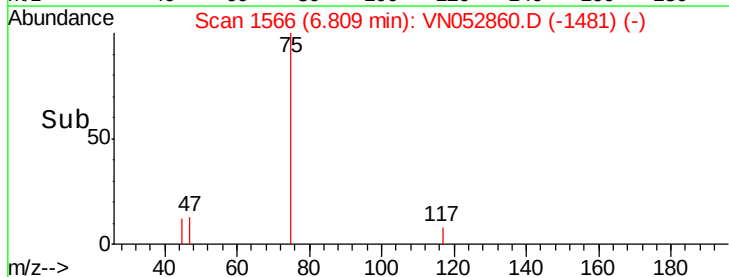
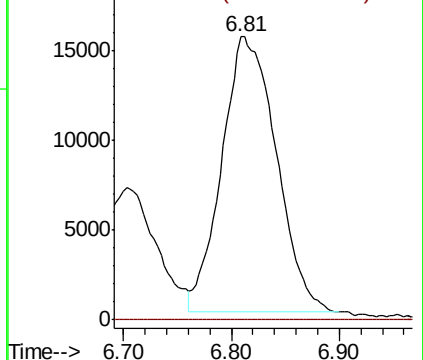
43 100

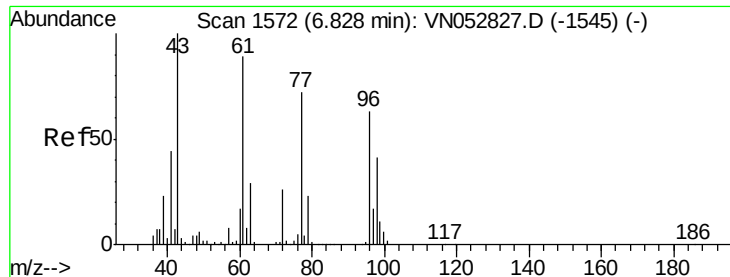
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

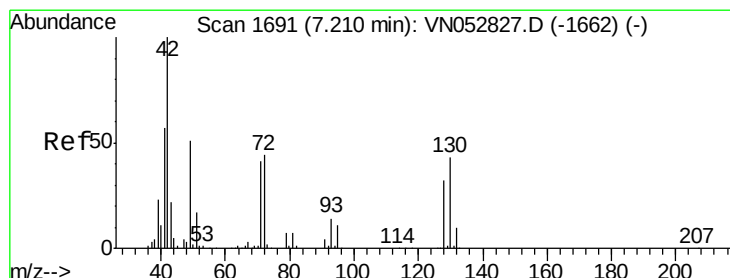
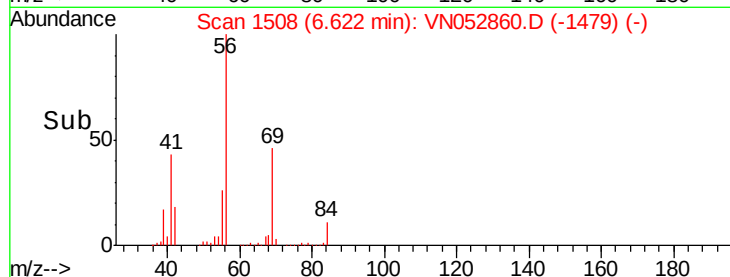
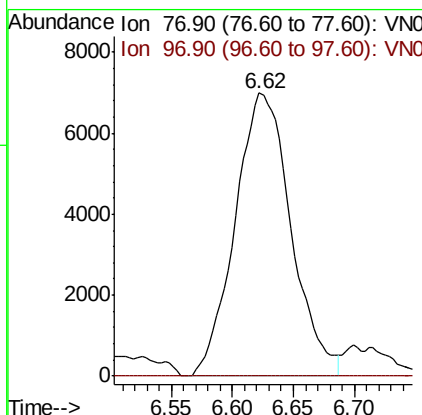
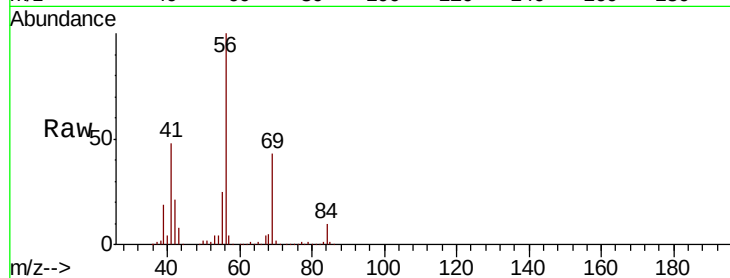




#26
 2,2-Dichloropropane
 Concen: 1.411 ug/l
 RT: 6.62 min Scan# 1508
 Delta R.T. -0.21 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

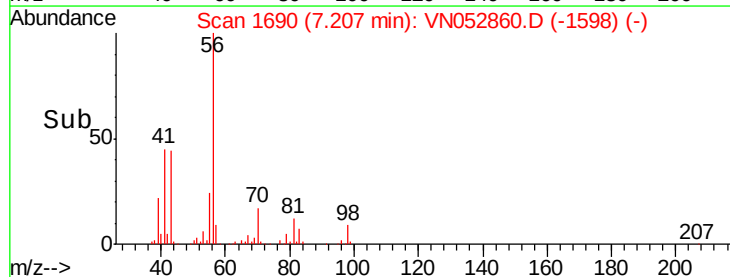
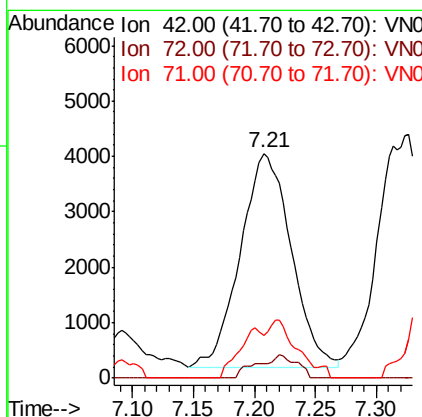
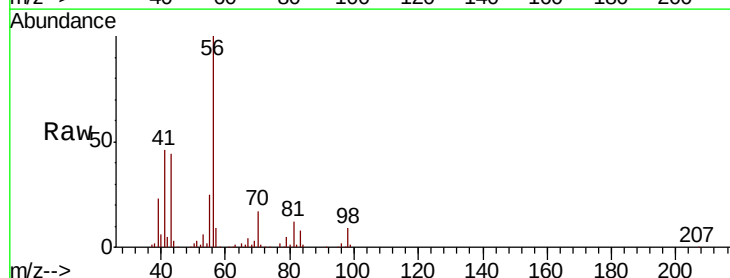
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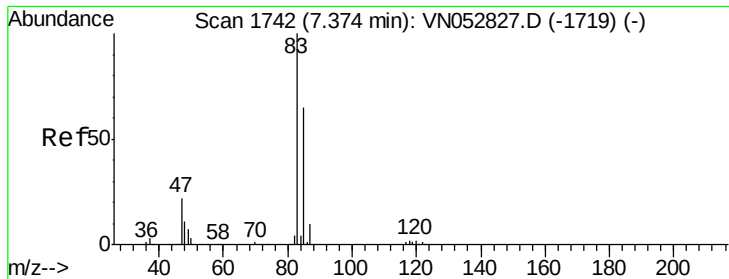
Tot Ion: 77 Resp: 22271
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.9#



#29
 Tetrahydrofuran
 Concen: 3.822 ug/l
 RT: 7.21 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

Tgt Ion: 42 Resp: 11216
 Ion Ratio Lower Upper
 42 100
 72 8.4 34.7 52.1#
 71 0.0 32.3 48.5#

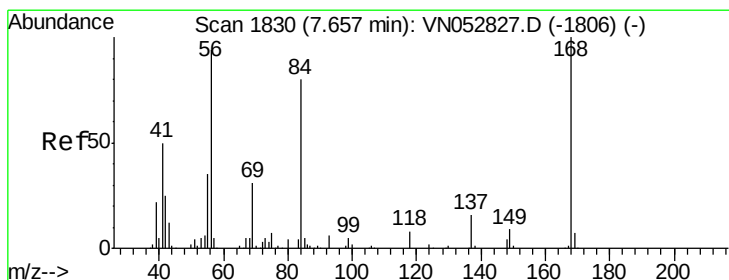
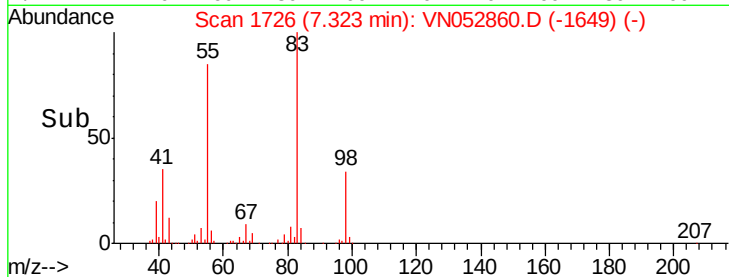
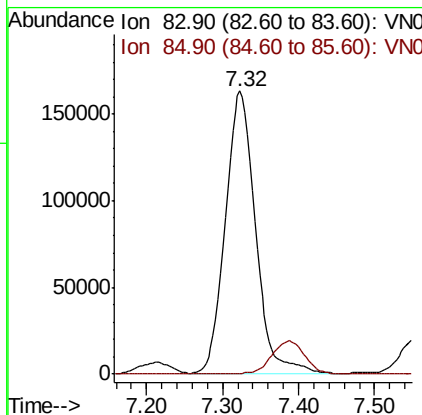
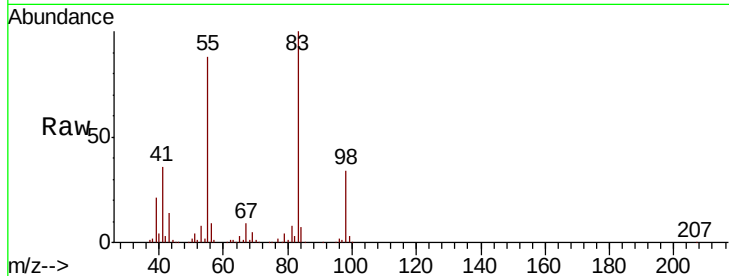




#30
Chloroform
Concen: 21.523 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.05 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

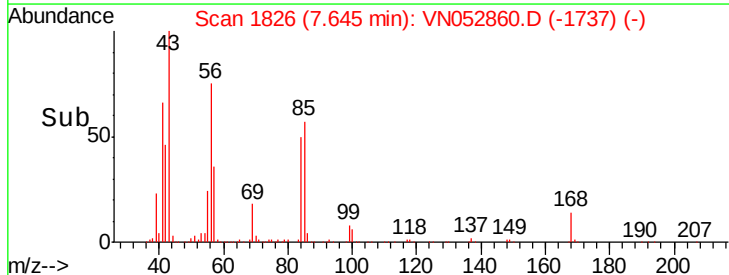
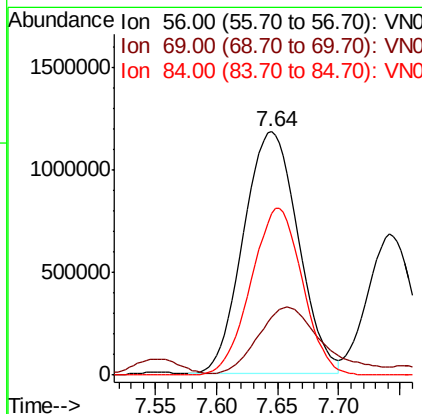
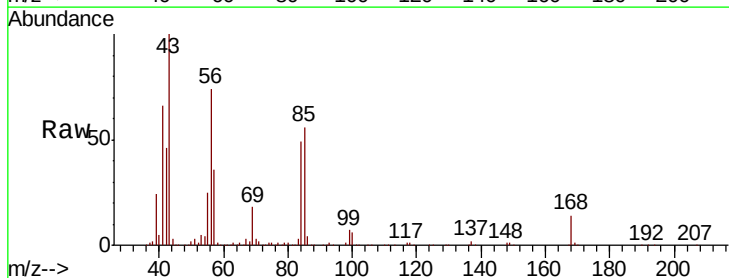
Instrument :
MSVOA_N
ClientSampleId :
059_BT-3-1

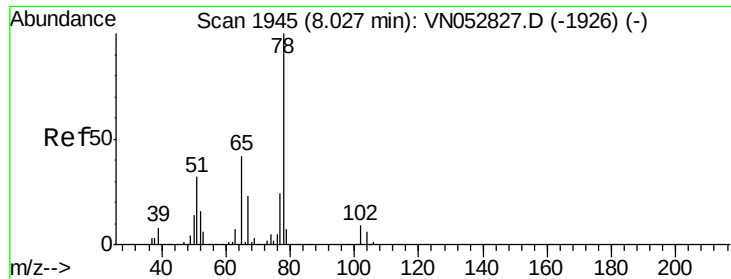
Tot Ion: 83 Resp: 449812
Ion Ratio Lower Upper
83 100
85 0.4 52.1 78.1#



#31
Cyclohexane
Concen: 177.323 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

Tgt Ion: 56 Resp: 3675598
Ion Ratio Lower Upper
56 100
69 21.5 26.6 39.8#
84 66.5 68.4 102.6#

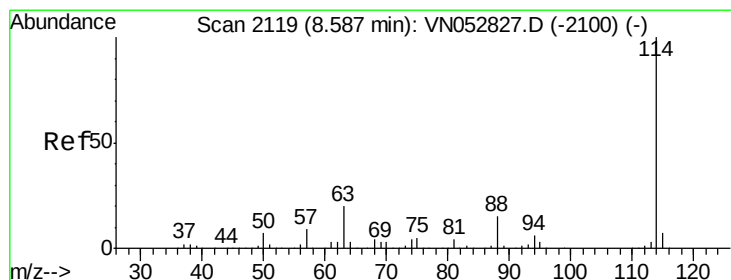
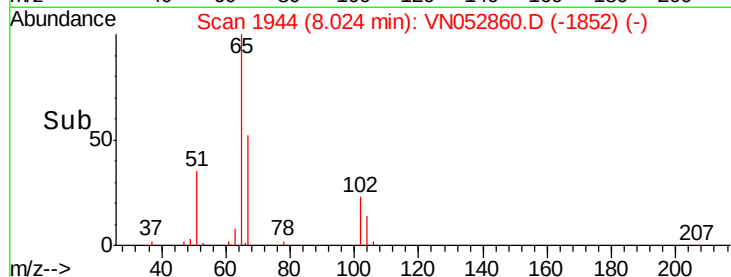
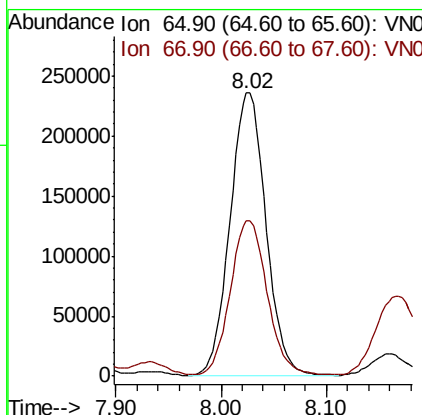
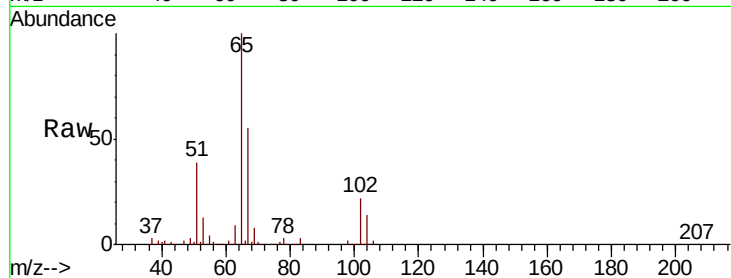




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

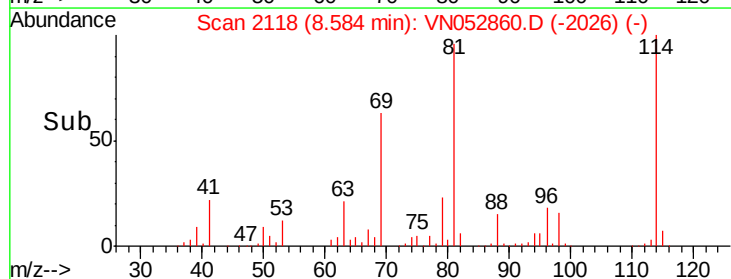
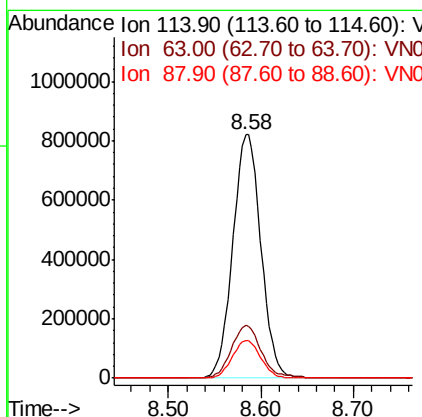
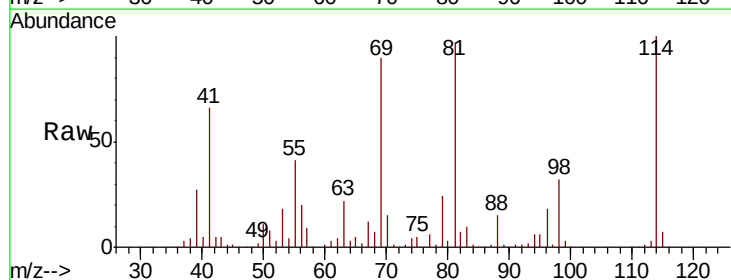
Instrument :
 MSVOA_N
 ClientSampled :
 059_BT-3-1

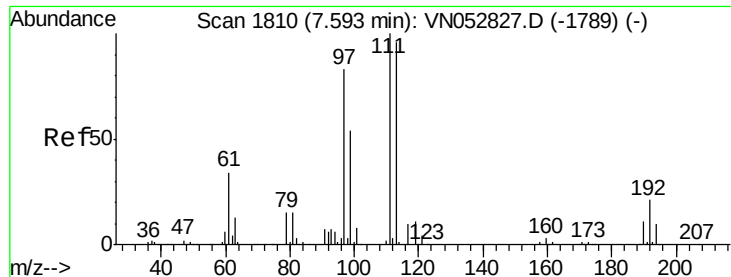
Tot Ion: 65 Resp: 553773
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

Tgt Ion: 114 Resp: 1723856
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 39.8
 88 15.5 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: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1

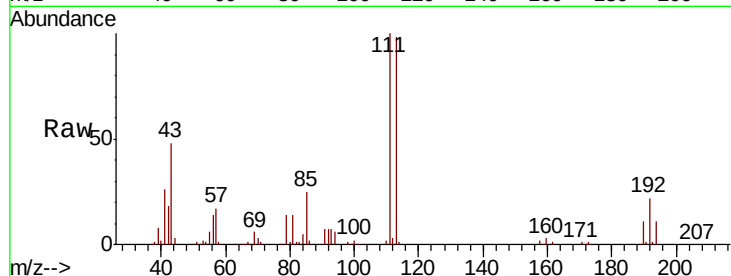
Tot Ion:113 Resp: 443358

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

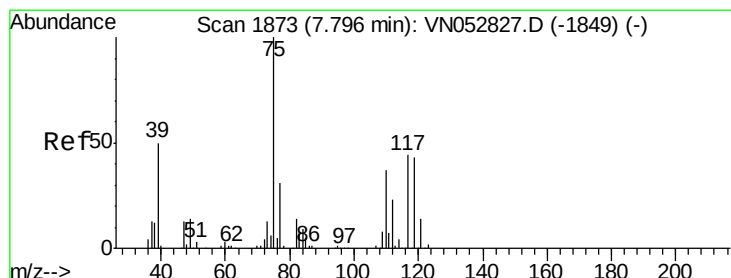
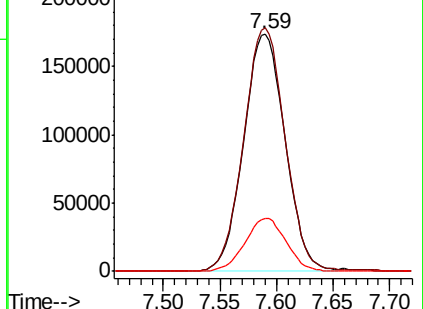
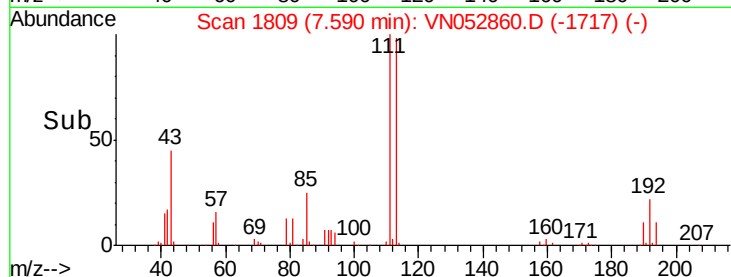
192 22.2 17.5 26.3



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: 4.936 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

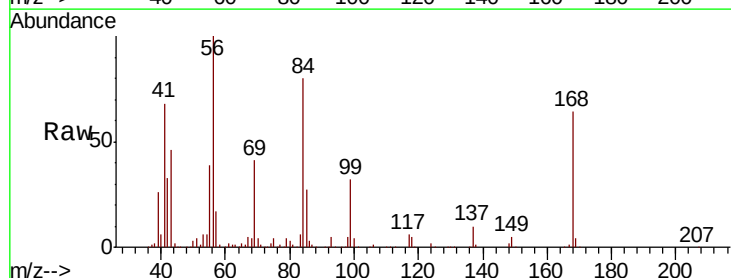
Tgt Ion: 75 Resp: 78354

Ion Ratio Lower Upper

75 100

110 8.6 18.2 54.6#

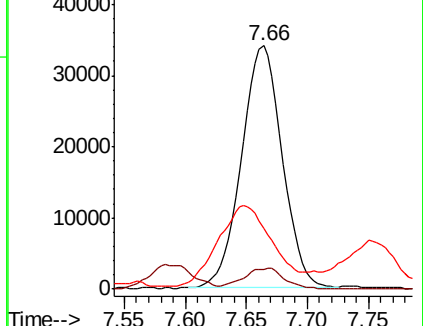
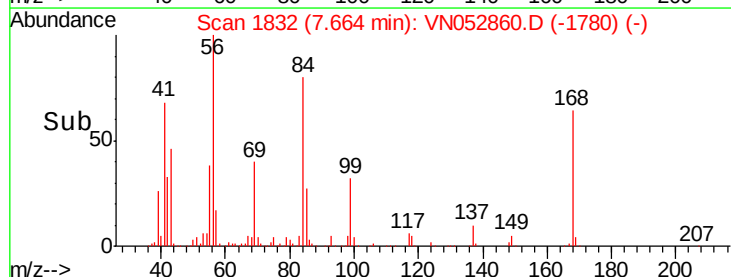
77 0.0 24.9 37.3#

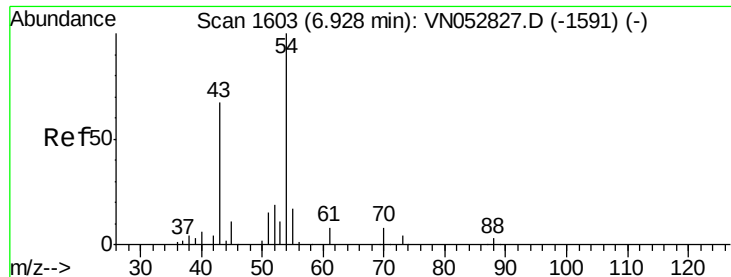


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

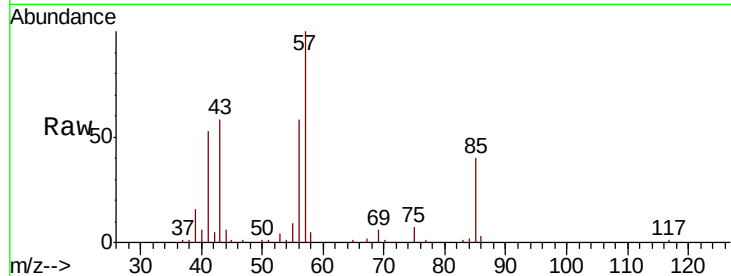




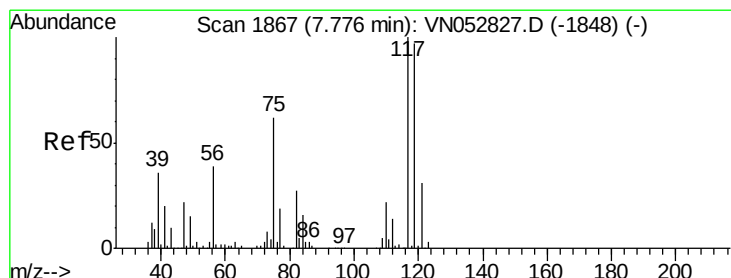
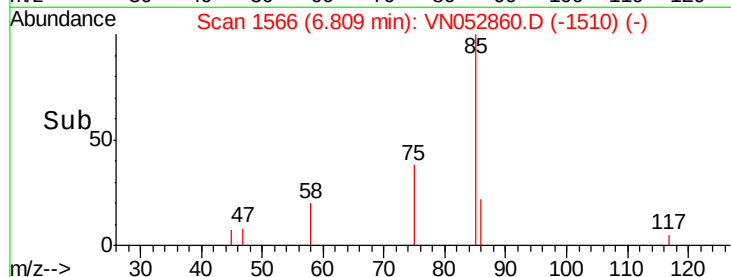
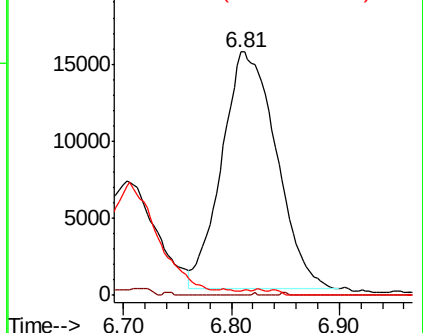
#37
Ethyl Acetate
Concen: 5.663 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.12 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
059_BT-3-1

Tot Ion: 43 Resp: 54006
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 8.4 12.6#

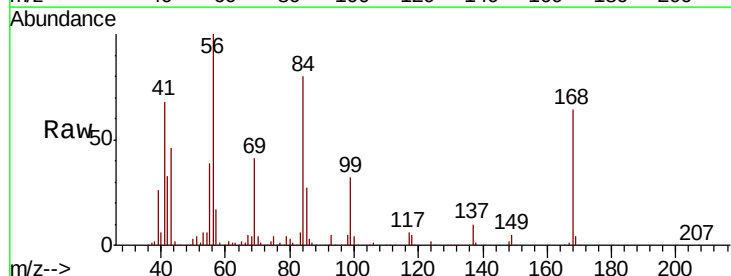


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

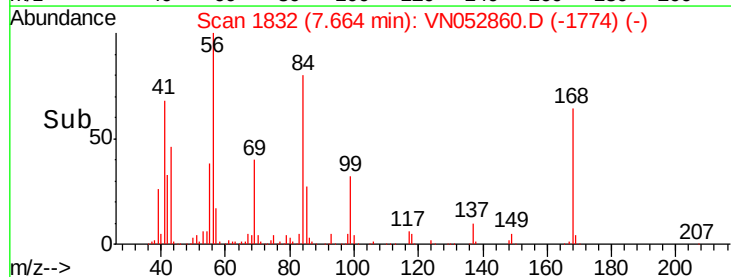
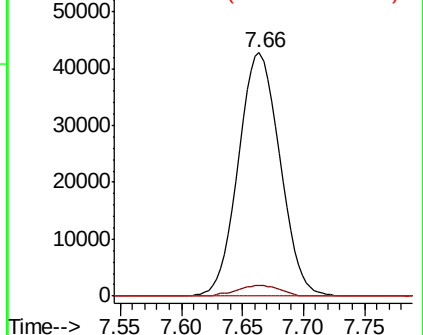


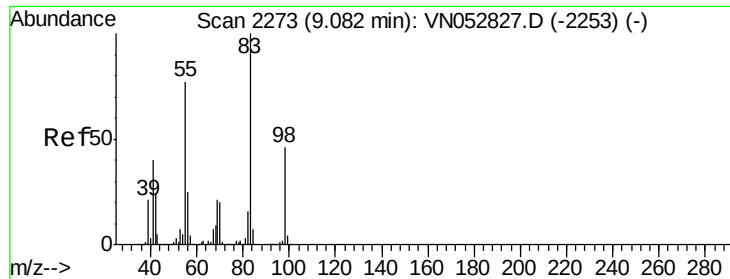
#38
Carbon Tetrachloride
Concen: 6.904 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

Tgt Ion: 117 Resp: 100872
Ion Ratio Lower Upper
117 100
119 4.4 77.1 115.7#
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

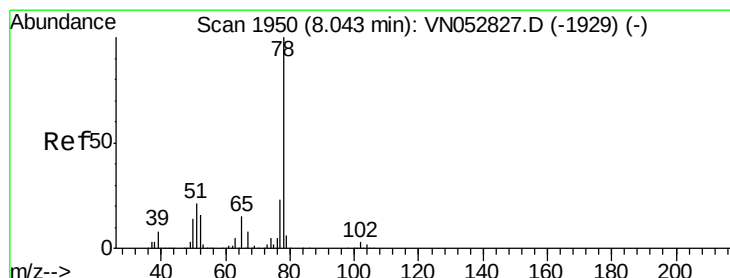
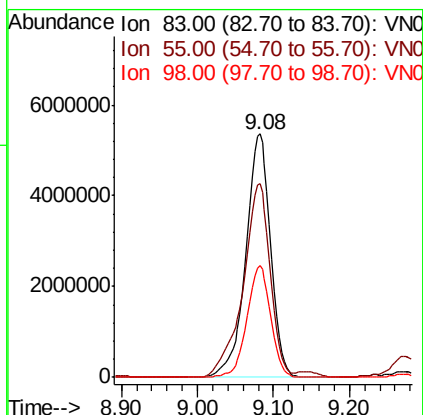
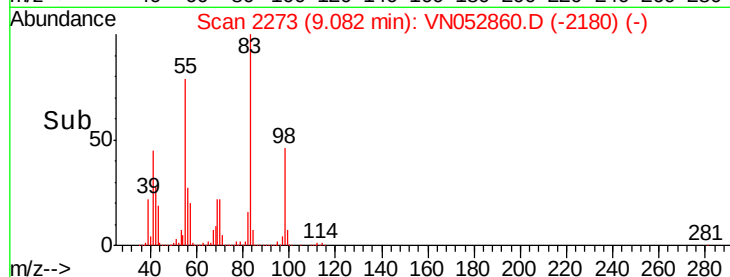
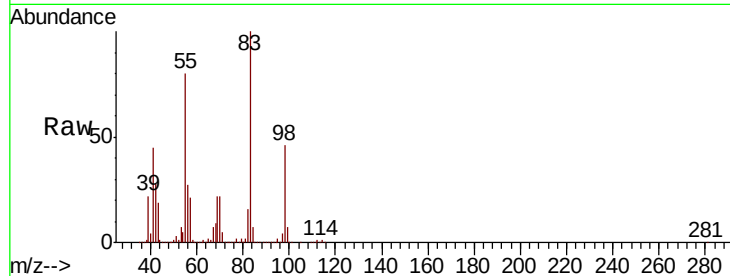




#39
Methylcyclohexane
Concen: 621.217 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

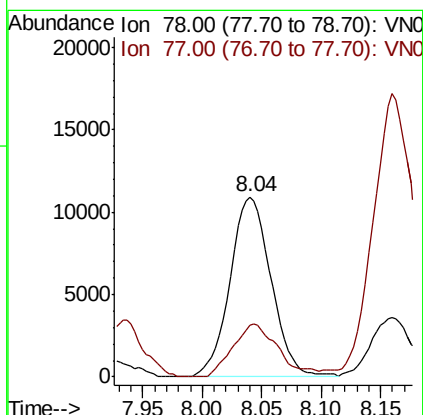
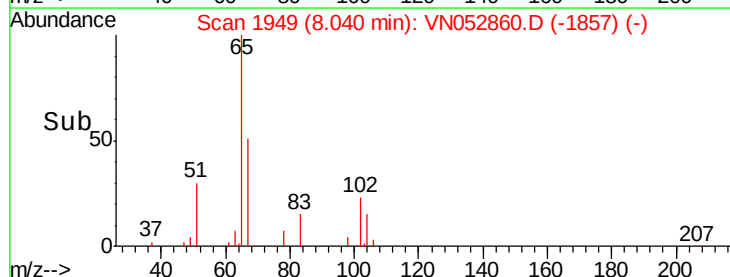
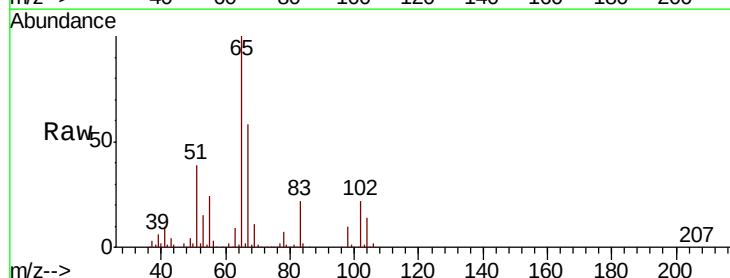
Instrument :
MSVOA_N
ClientSampled :
059_BT-3-1

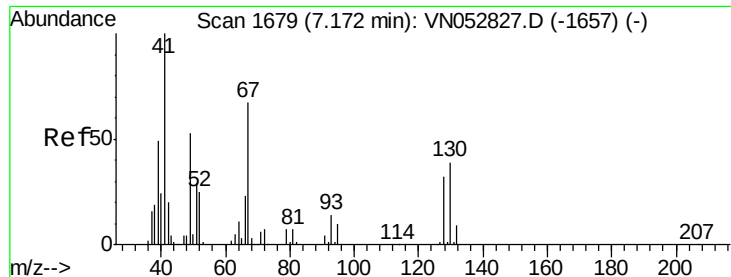
Tot Ion: 83 Resp:12101667
Ion Ratio Lower Upper
83 100
55 79.5 61.3 91.9
98 45.8 37.0 55.4



#40
Benzene
Concen: 0.548 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

Tgt Ion: 78 Resp: 26131
Ion Ratio Lower Upper
78 100
77 28.6 18.5 27.7#

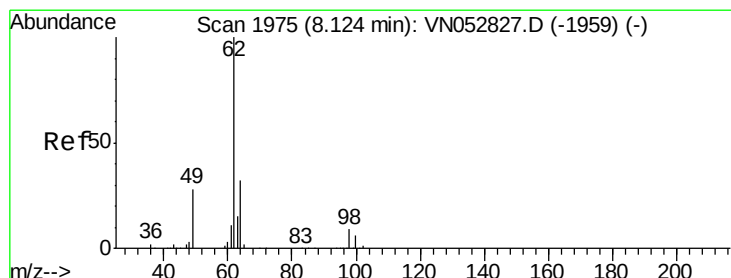
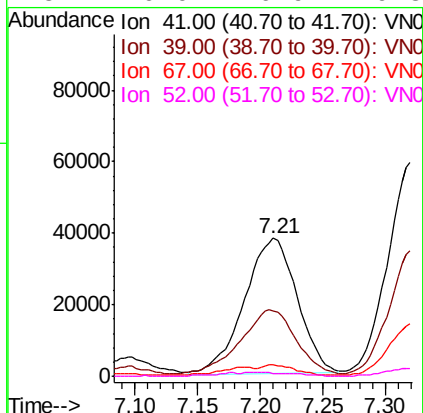
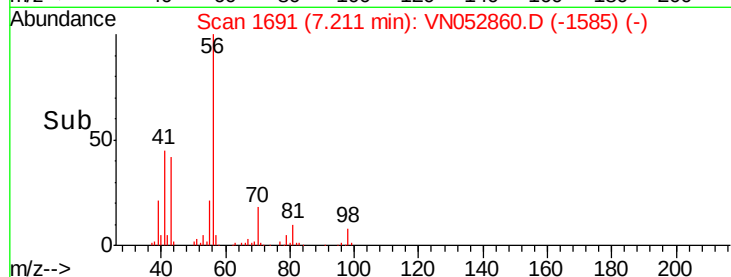
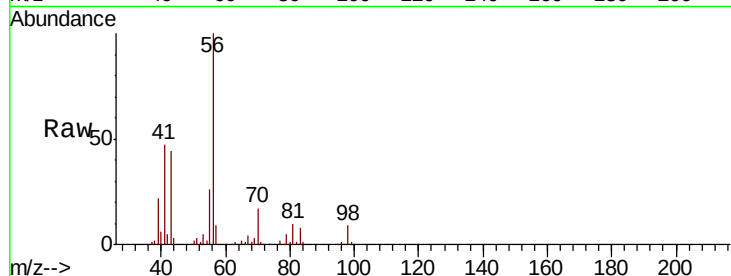




#41
Methacrylonitrile
Concen: 21.065 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

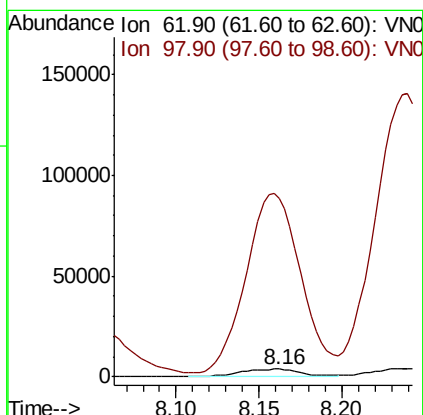
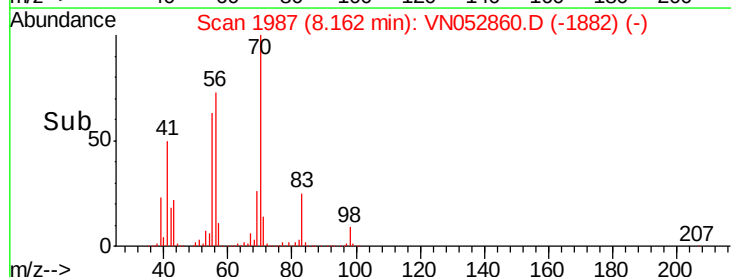
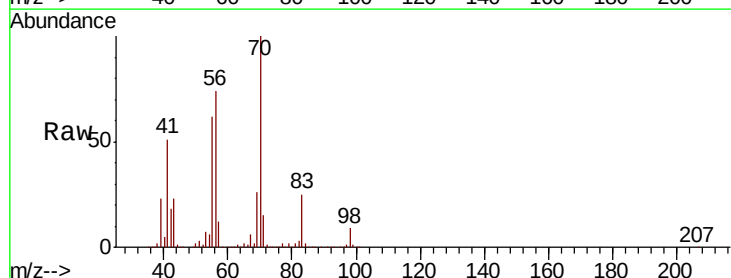
Instrument :
MSVOA_N
ClientSampled :
059_BT-3-1

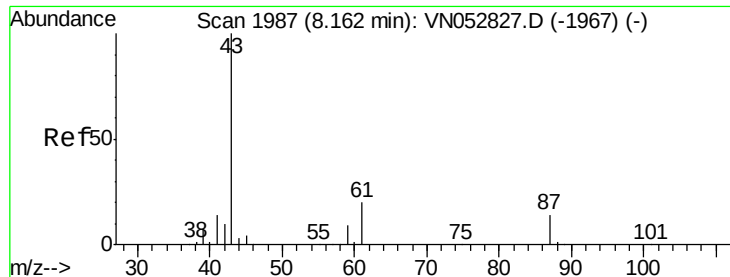
Tot Ion: 41 Resp: 111304
Ion Ratio Lower Upper
41 100
39 51.4 48.0 72.0
67 0.0 70.3 105.5#
52 0.0 26.9 40.3#



#42
1,2-Dichloroethane
Concen: 0.713 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.04 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

Tgt Ion: 62 Resp: 10222
Ion Ratio Lower Upper
62 100
98 2005.3 0.0 19.0#





#43

Isopropyl Acetate

Concen: 46.134 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampled :

059_BT-3-1

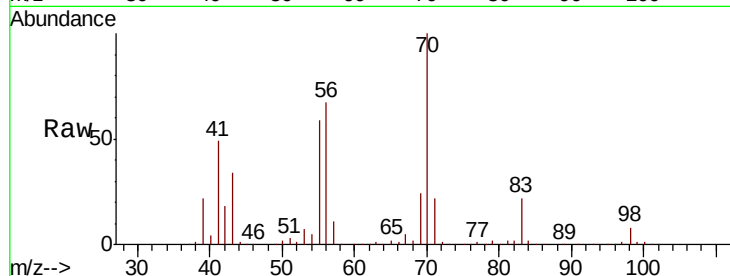
Tot Ion: 43 Resp: 902015

Ion Ratio Lower Upper

43 100

61 0.4 22.9 34.3#

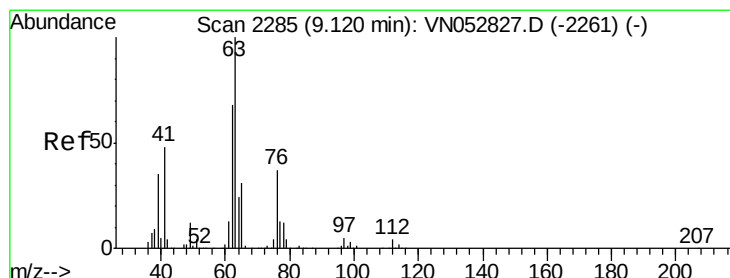
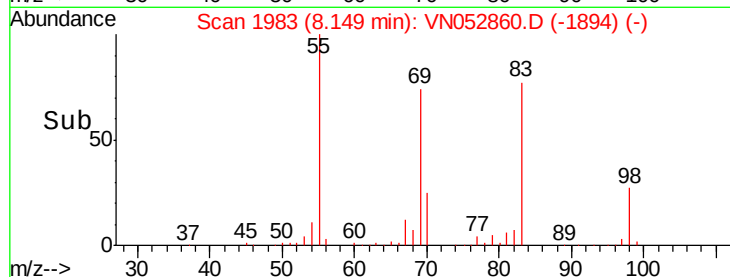
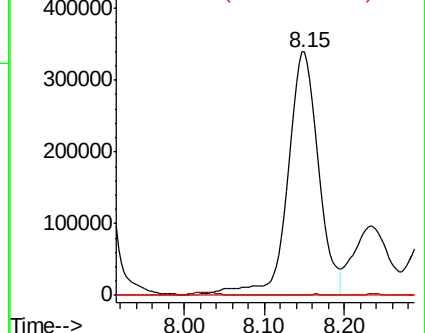
87 0.0 10.6 15.8#



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



#45

1,2-Dichloropropane

Concen: 0.554 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. 0.03 min

Lab File: VN052860.D

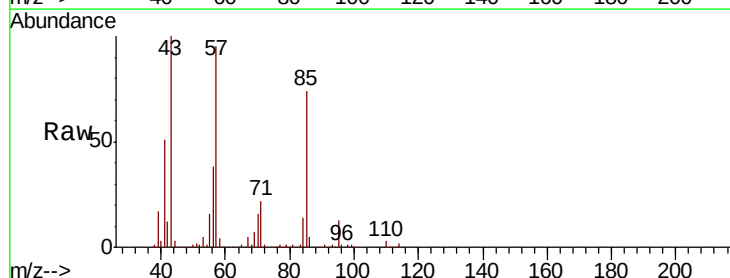
Acq: 13 Dec 2018 13:21

Tgt Ion: 63 Resp: 6908

Ion Ratio Lower Upper

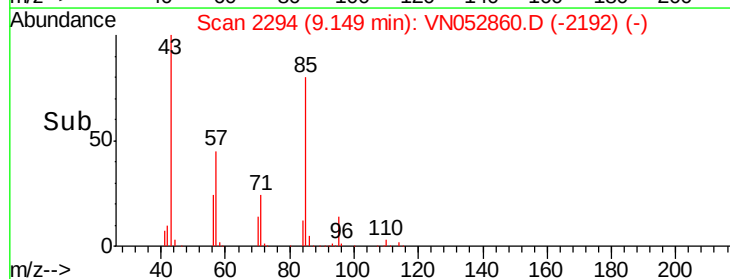
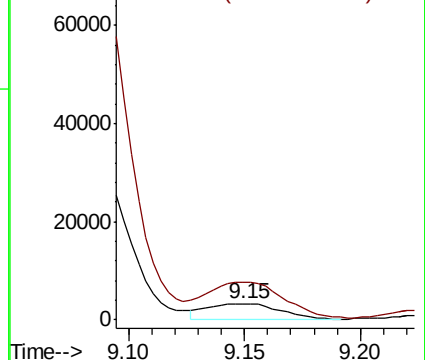
63 100

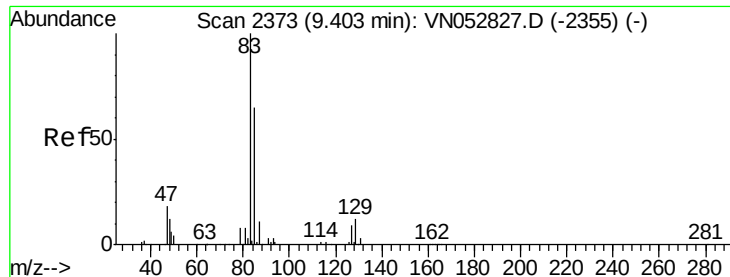
65 224.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 71.659 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.02 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1

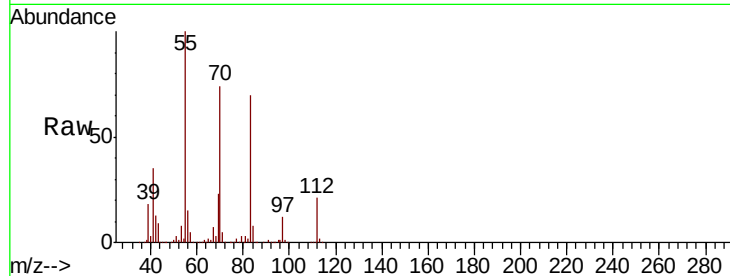
Tot Ion: 83 Resp: 1075469

Ion Ratio Lower Upper

83 100

85 0.4 51.6 77.4#

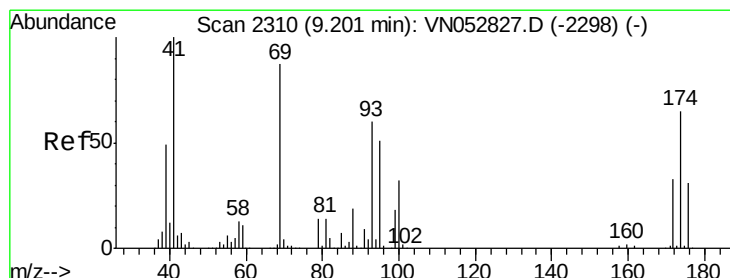
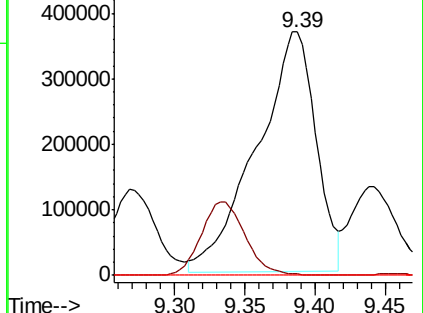
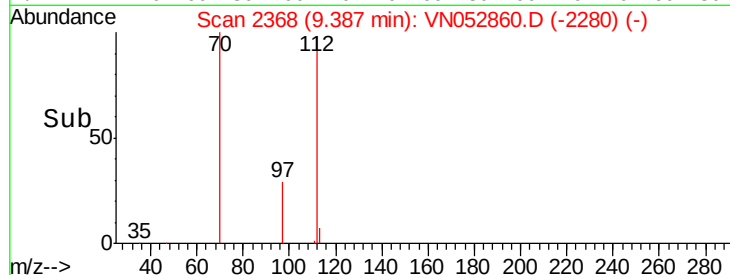
127 0.0 7.1 10.7#



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): V



#48

Methyl methacrylate

Concen: 93.645 ug/l

RT: 9.14 min Scan# 2291

Delta R.T. -0.06 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

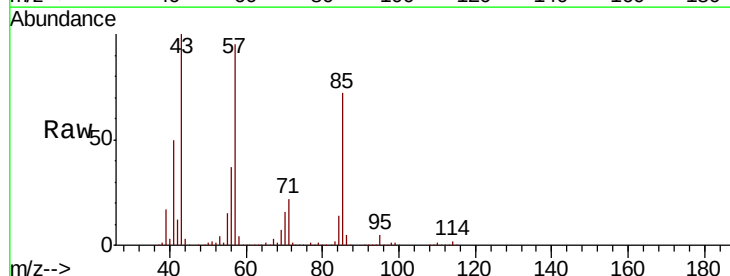
Tgt Ion: 41 Resp: 802957

Ion Ratio Lower Upper

41 100

69 0.0 72.2 108.2#

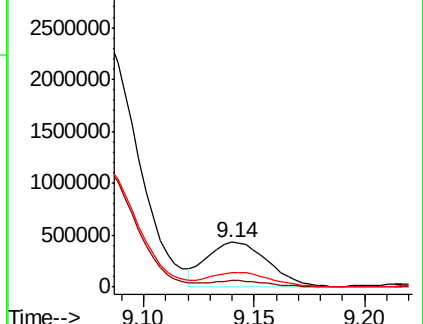
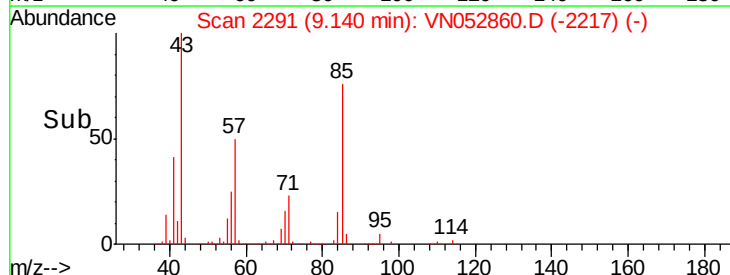
39 34.4 41.9 62.9#

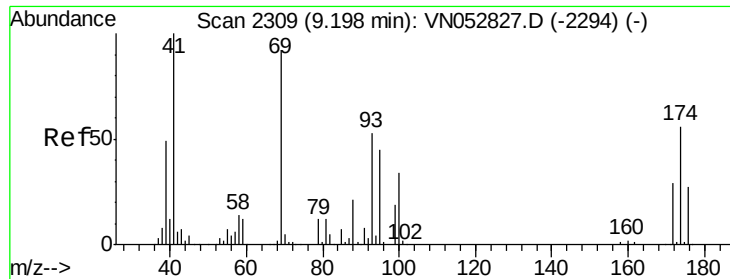


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 0.668 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. -0.12 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1

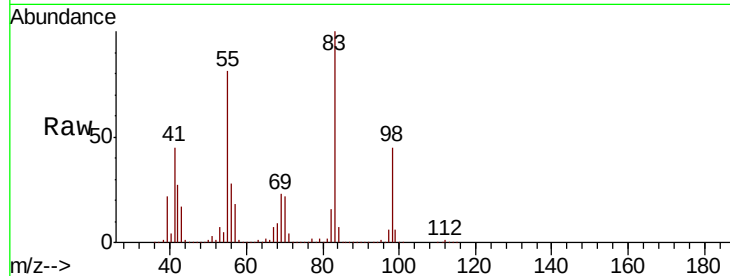
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 3685356.9 26.6 40.0#

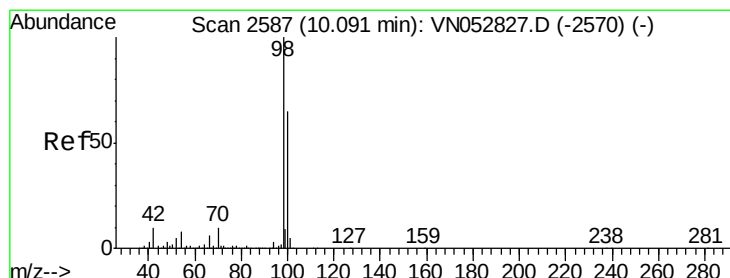
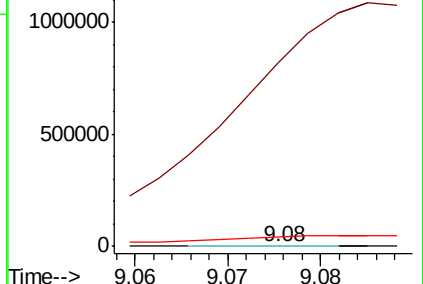
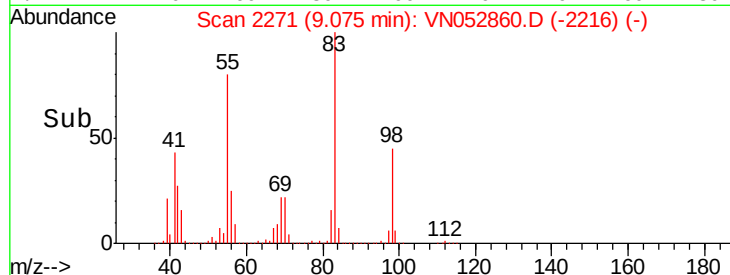
58 201113.8 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 0.668 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052860.D

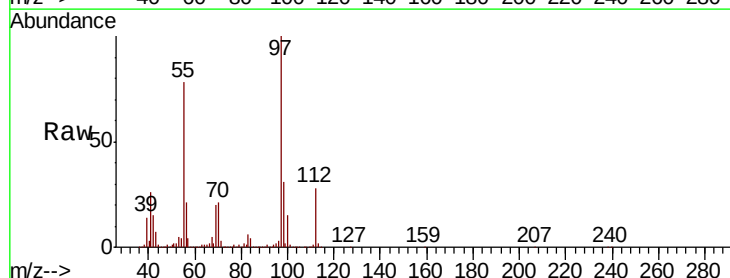
Acq: 13 Dec 2018 13:21

Tgt Ion: 98 Resp: 3105916

Ion Ratio Lower Upper

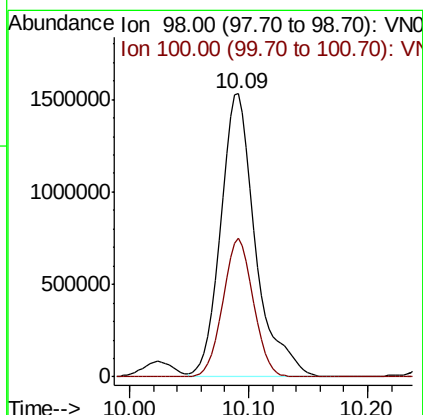
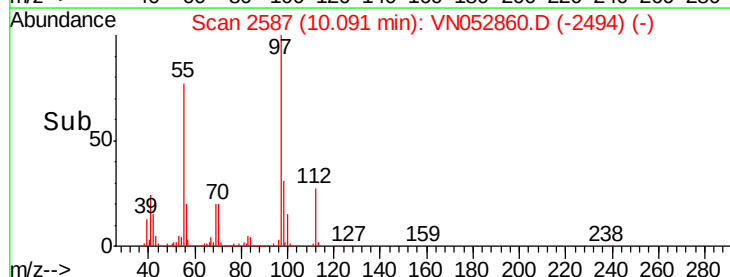
98 100

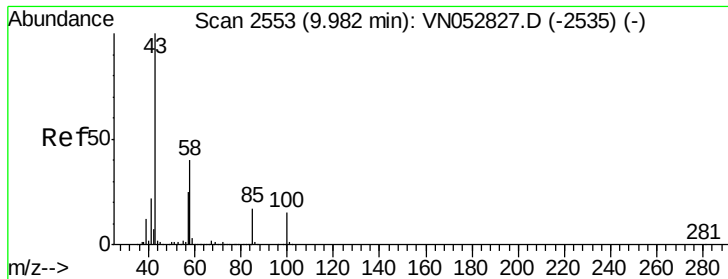
100 42.7 51.6 77.4#



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

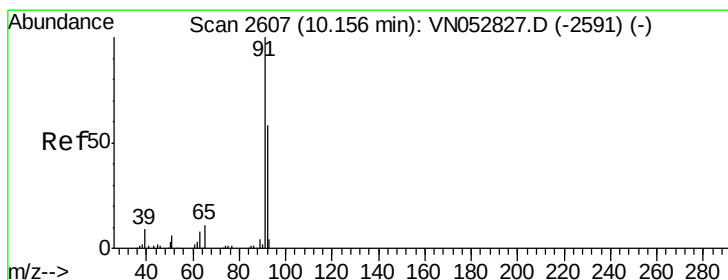
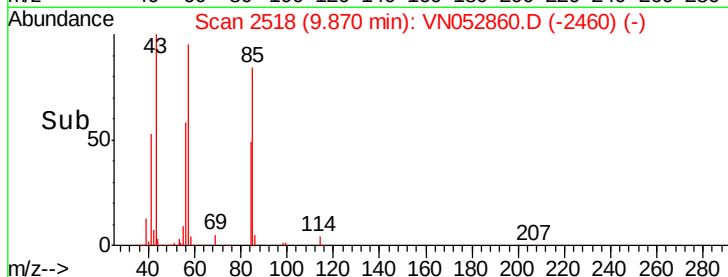
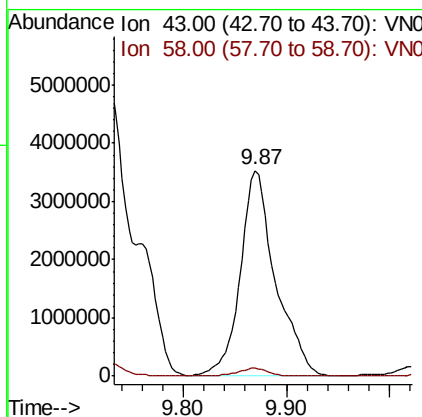
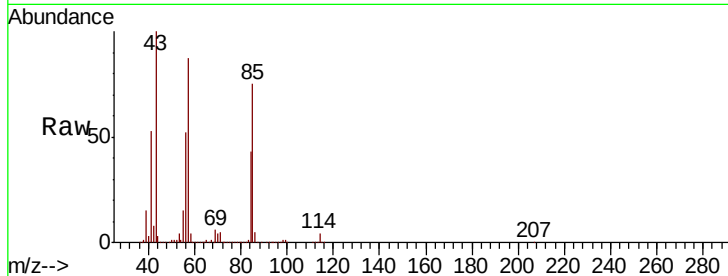




#51
 4-Methyl-2-Pentanone
 Concen: 933.481 ug/l
 RT: 9.87 min Scan# 2518
 Delta R.T. -0.11 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

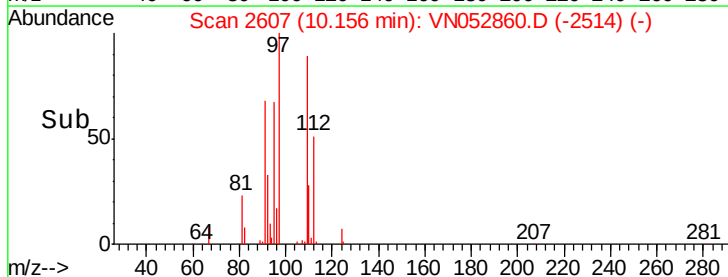
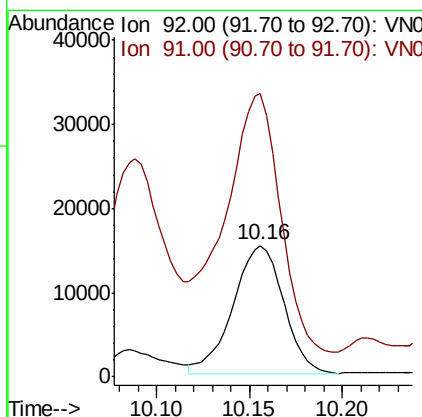
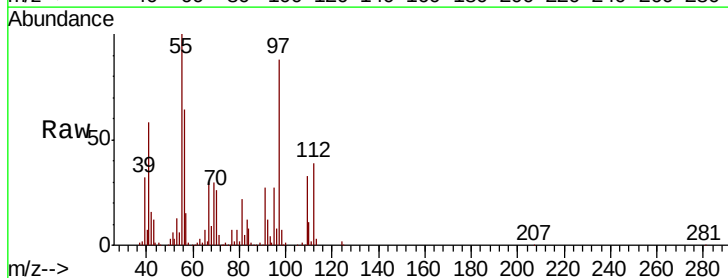
Instrument :
 MSVOA_N
 ClientSampled :
 059_BT-3-1

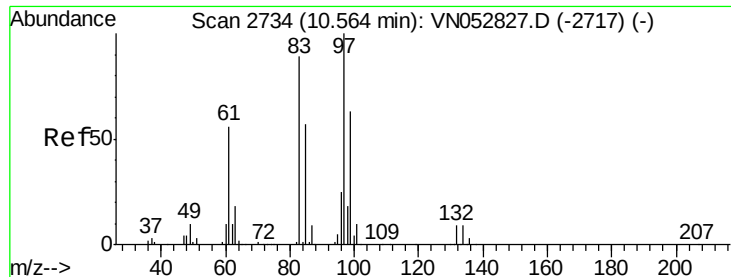
Tot Ion: 43 Resp: 8369100
 Ion Ratio Lower Upper
 43 100
 58 3.4 32.2 48.4#



#52
 Toluene
 Concen: 1.002 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

Tgt Ion: 92 Resp: 28903
 Ion Ratio Lower Upper
 92 100
 91 209.4 139.8 209.6

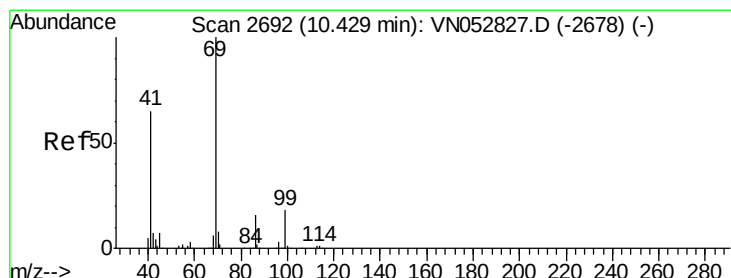
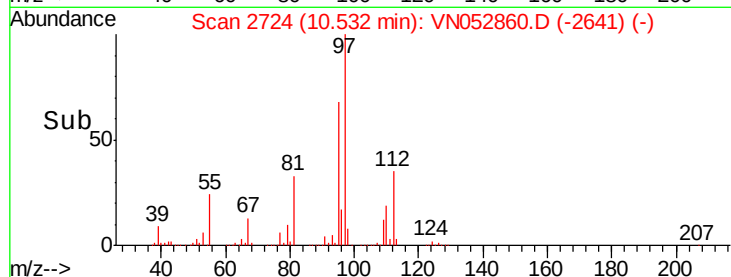
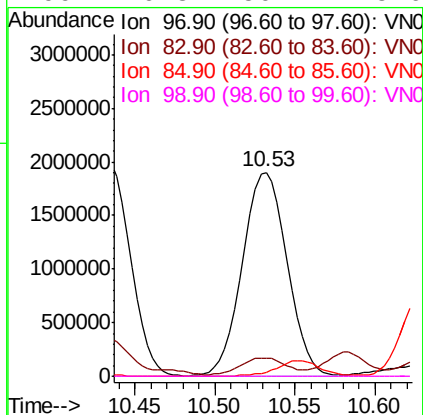
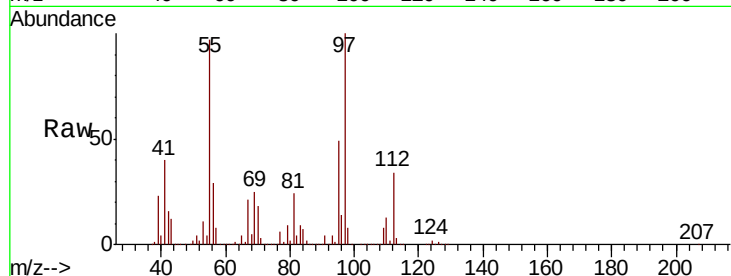




#55
 1,1,2-Trichloroethane
 Concen: 350.524 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

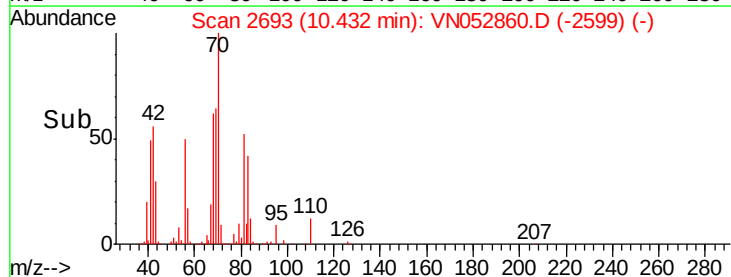
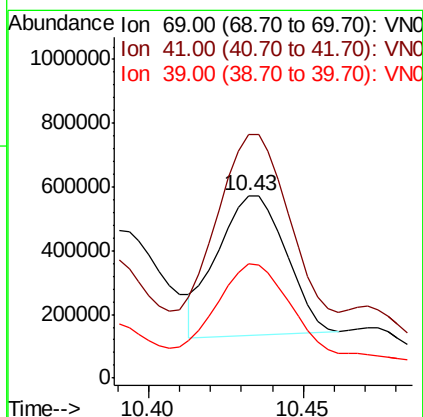
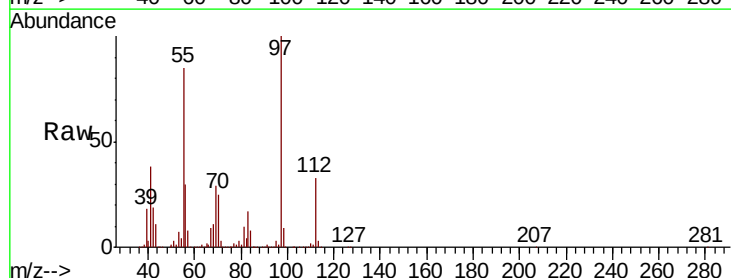
Instrument :
 MSVOA_N
 ClientSampled :
 059_BT-3-1

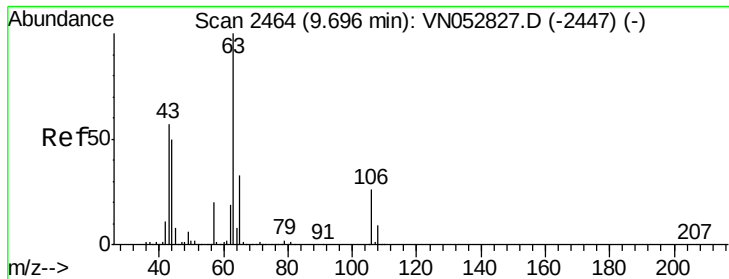
Tot Ion: 97 Resp: 3610743
 Ion Ratio Lower Upper
 97 100
 83 7.3 70.9 106.3#
 85 2.0 45.4 68.2#
 99 0.3 50.4 75.6#



#56
 Ethyl methacrylate
 Concen: 51.583 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

Tgt Ion: 69 Resp: 681916
 Ion Ratio Lower Upper
 69 100
 41 130.8 51.7 77.5#
 39 80.0 24.6 37.0#





#58

2-Chloroethyl Vinyl ether

Concen: 1.539 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. -0.03 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampled :

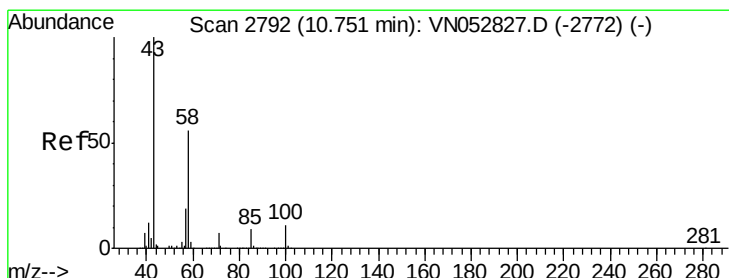
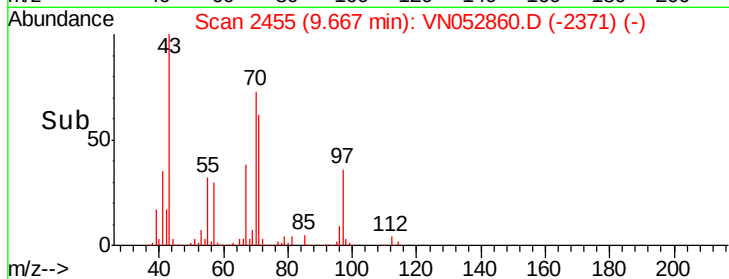
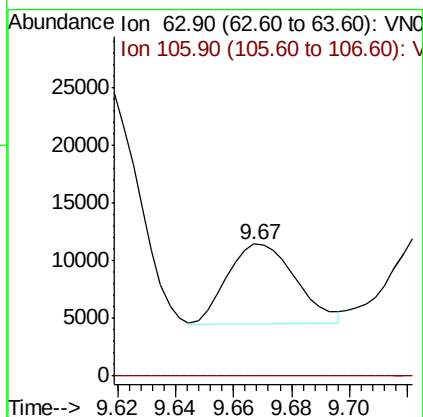
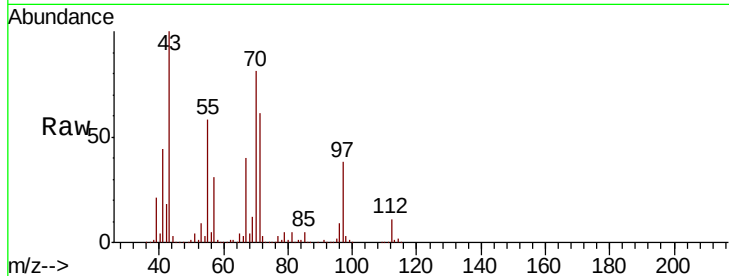
059_BT-3-1

Tot Ion: 63 Resp: 11355

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.6#



#59

2-Hexanone

Concen: 868.716 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN052860.D

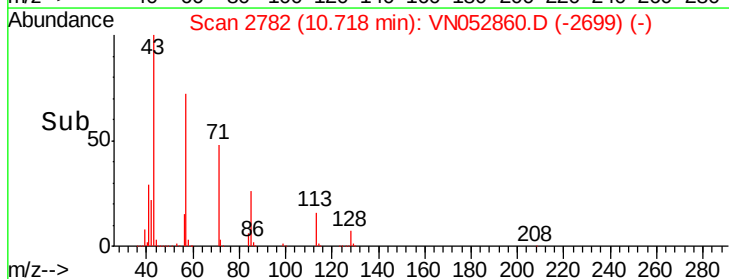
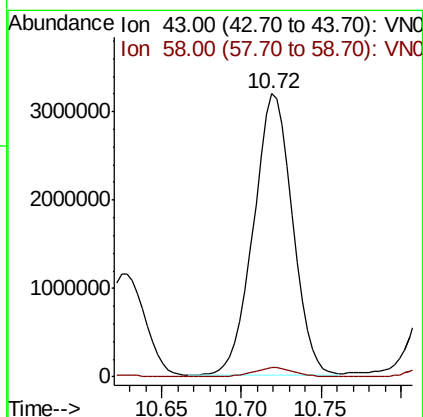
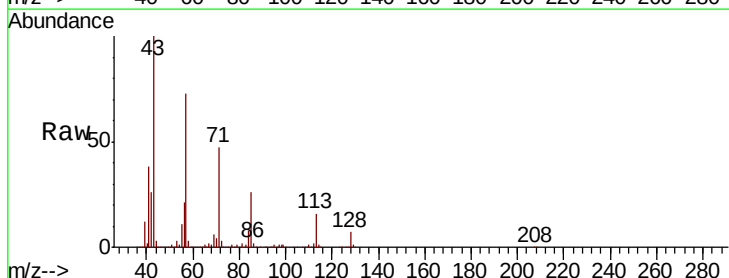
Acq: 13 Dec 2018 13:21

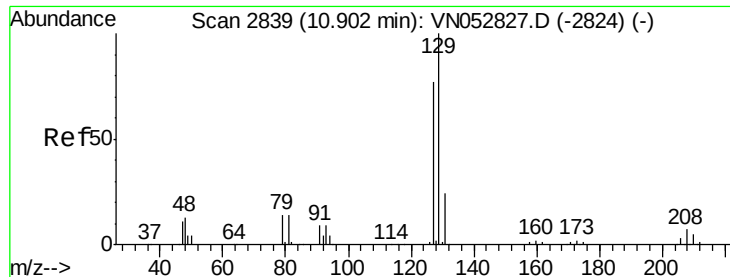
Tgt Ion: 43 Resp: 5337571

Ion Ratio Lower Upper

43 100

58 3.4 28.1 84.3#





#60

Dibromochloromethane

Concen: 0.267 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampled :

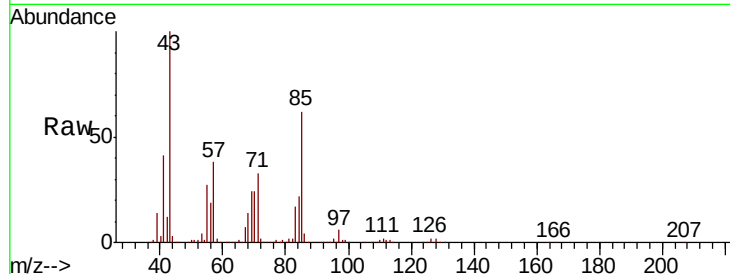
059_BT-3-1

Tot Ion:129 Resp: 2975

Ion Ratio Lower Upper

129 100

127 87.9 38.6 116.0

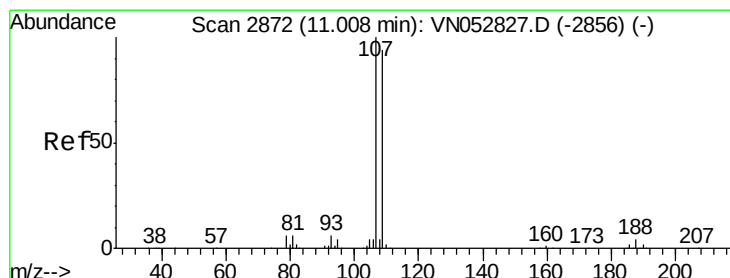
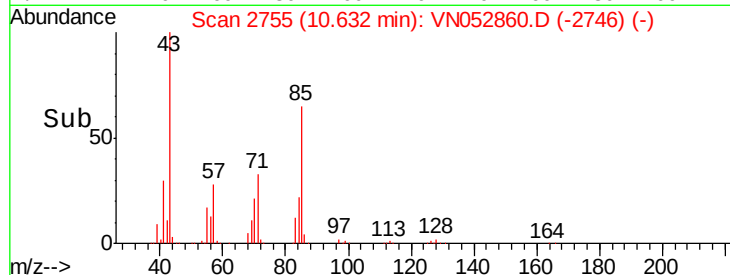


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

Time-->



#61

1,2-Dibromoethane

Concen: 1.855 ug/l

RT: 10.98 min Scan# 2864

Delta R.T. -0.03 min

Lab File: VN052860.D

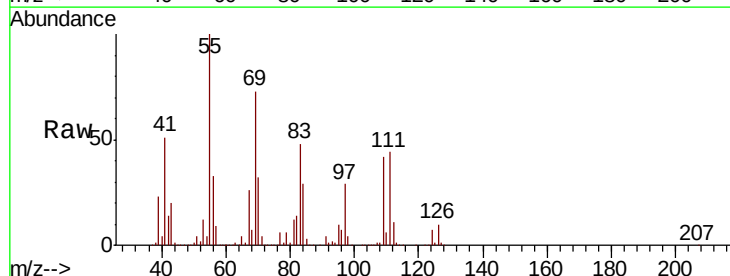
Acq: 13 Dec 2018 13:21

Tgt Ion:107 Resp: 18887

Ion Ratio Lower Upper

107 100

109 3538.9 75.4 113.0#

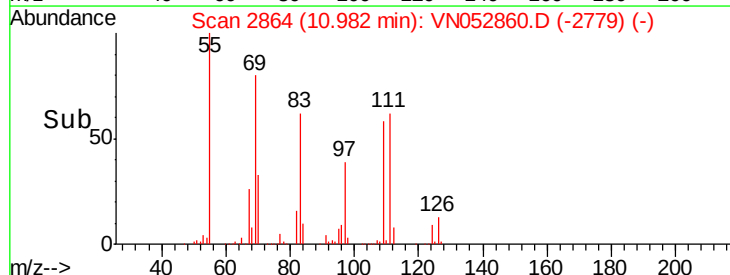


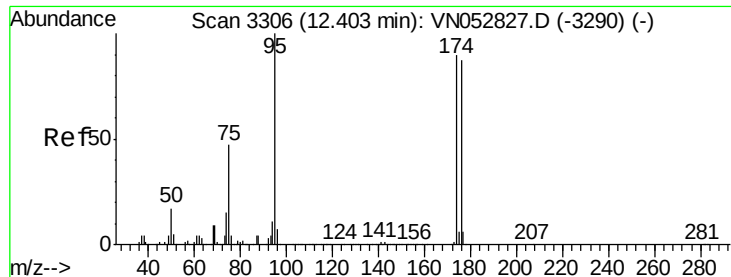
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

Time-->

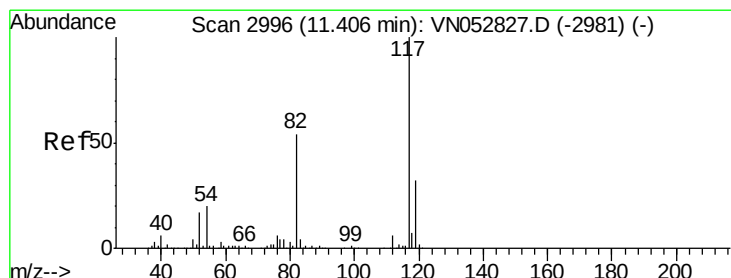
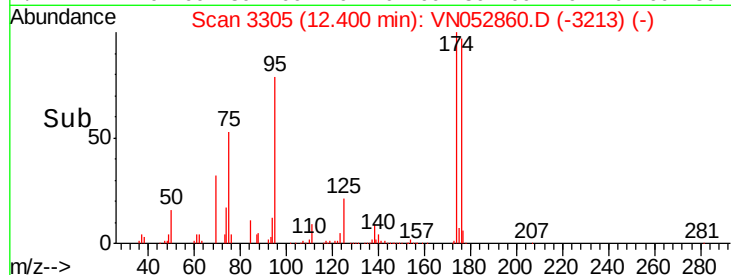
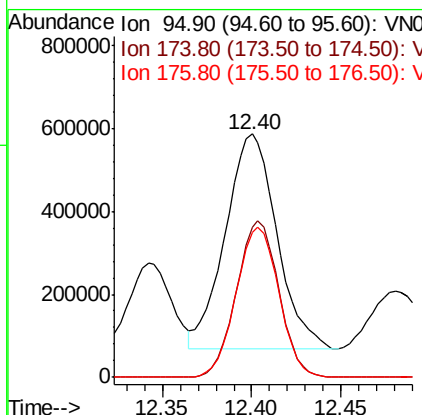
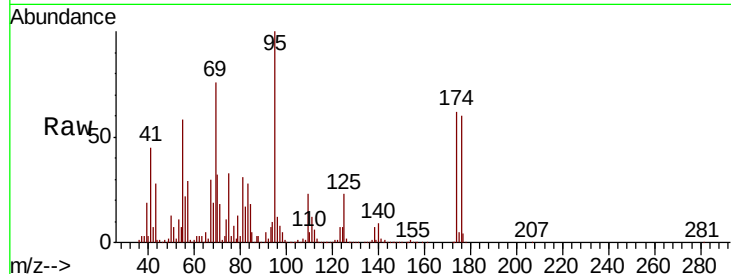




#62
4-Bromofluorobenzene
Concen: 1.855 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

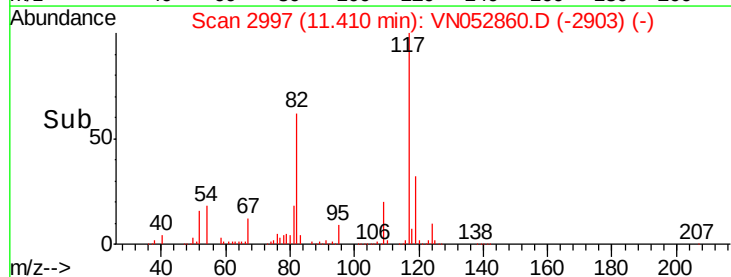
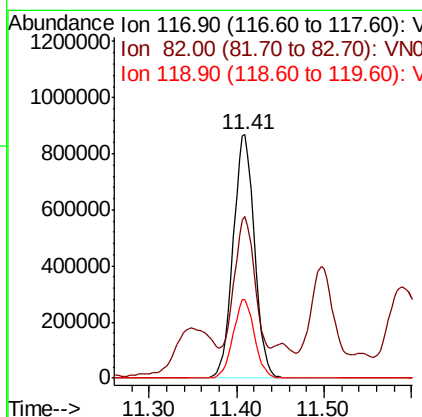
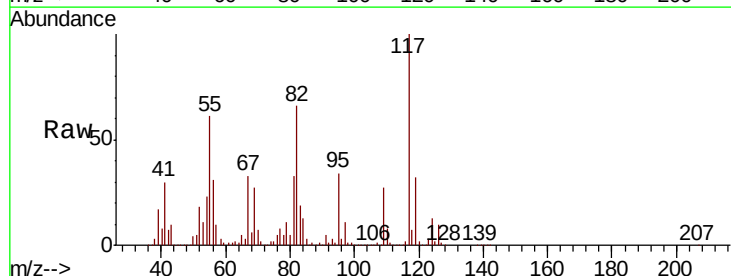
Instrument :
MSVOA_N
ClientSampleId :
059_BT-3-1

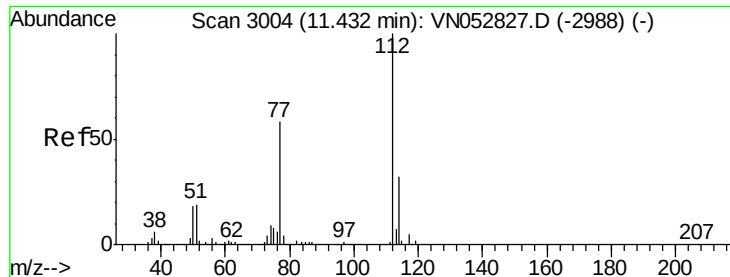
Tot Ion: 95 Resp: 1042567
Ion Ratio Lower Upper
95 100
174 59.9 0.0 178.8
176 58.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

Tgt Ion: 117 Resp: 1463836
Ion Ratio Lower Upper
117 100
82 49.1 42.8 64.2
119 32.4 25.5 38.3





#65

Chlorobenzene

Concen: 2.802 ug/l

RT: 11.54 min Scan# 3038

Delta R.T. 0.11 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampled :

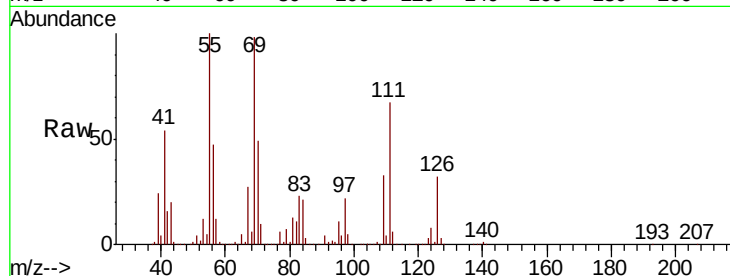
059_BT-3-1

Tot Ion:112 Resp: 85110

Ion Ratio Lower Upper

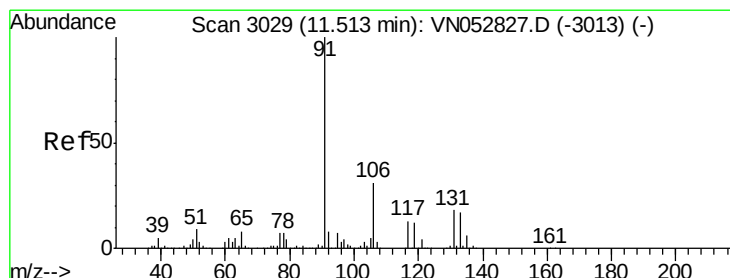
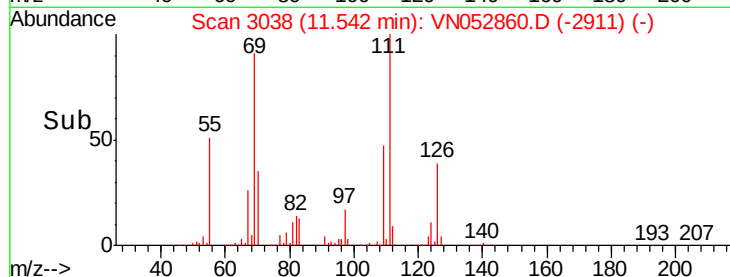
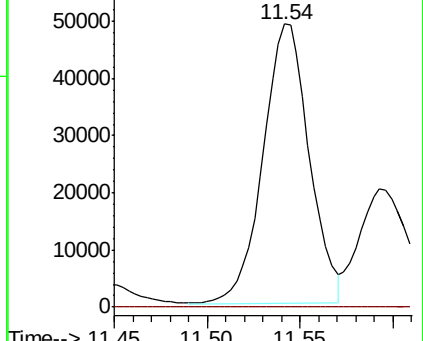
112 100

114 0.0 25.5 38.3#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 2.140 ug/l

RT: 11.52 min Scan# 3031

Delta R.T. 0.01 min

Lab File: VN052860.D

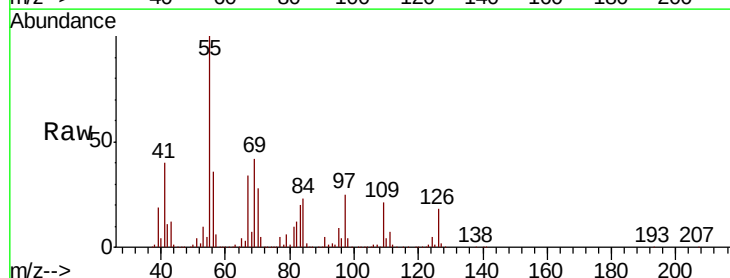
Acq: 13 Dec 2018 13:21

Tgt Ion: 91 Resp: 111623

Ion Ratio Lower Upper

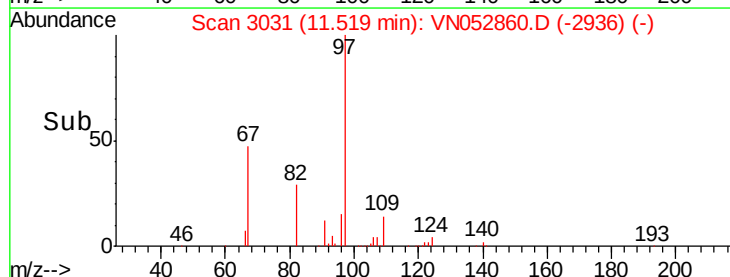
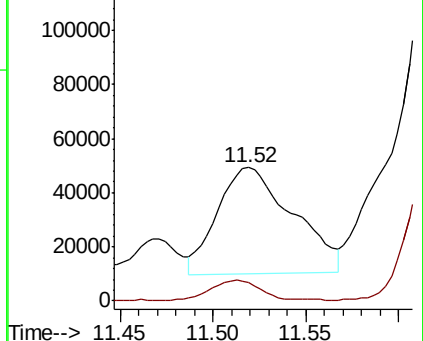
91 100

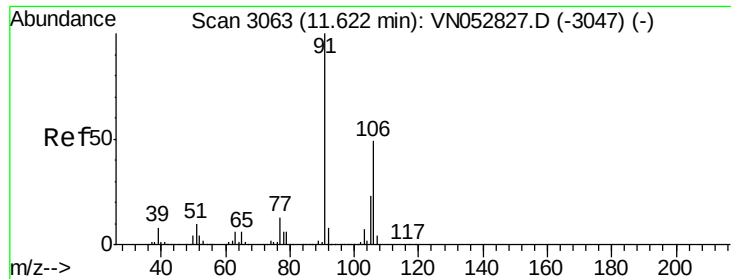
106 19.5 24.9 37.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

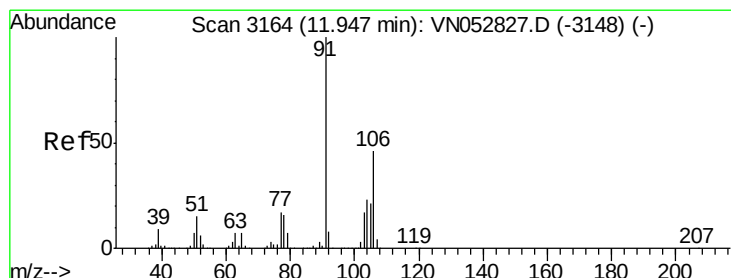
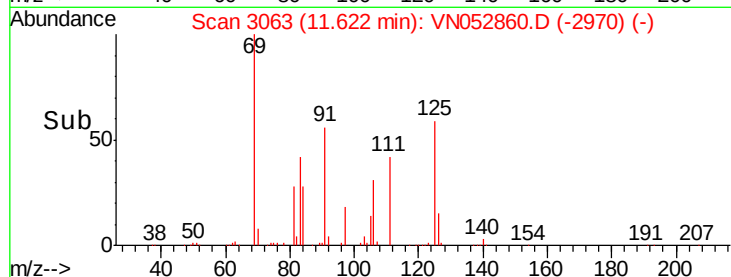
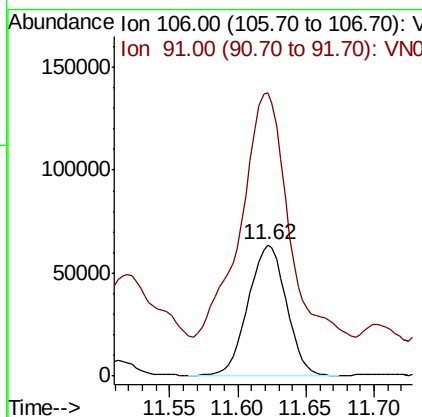
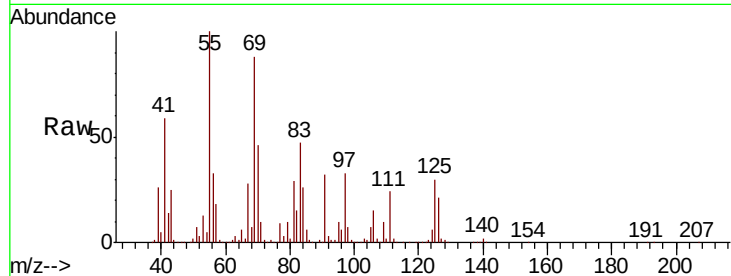




#68
m/p-Xylenes
Concen: 6.274 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

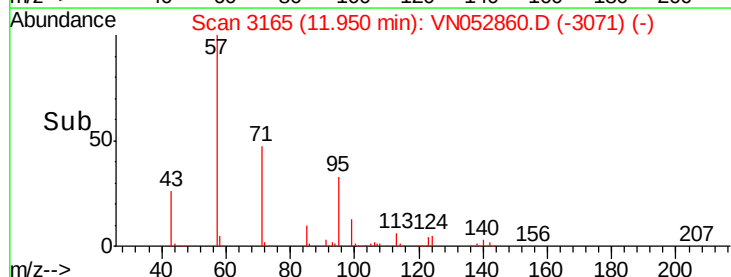
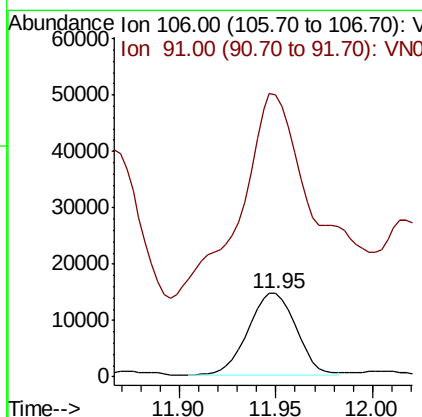
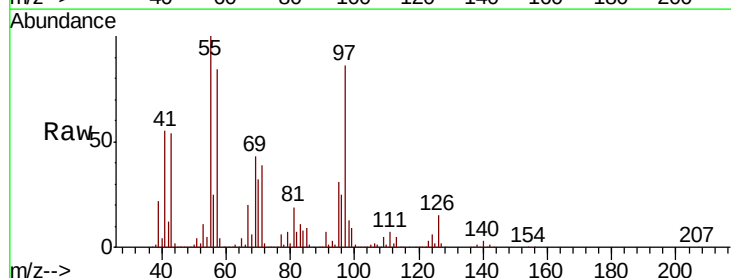
Instrument :
MSVOA_N
ClientSampled :
059_BT-3-1

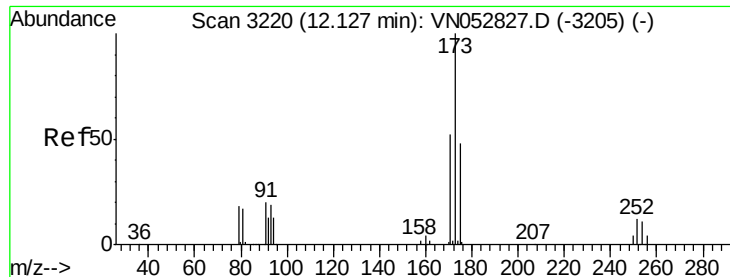
Tot Ion:106 Resp: 122856
Ion Ratio Lower Upper
106 100
91 263.1 162.2 243.4#



#69
o-Xylene
Concen: 1.317 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052860.D
Acq: 13 Dec 2018 13:21

Tgt Ion:106 Resp: 25181
Ion Ratio Lower Upper
106 100
91 383.0 106.6 319.8#





#71

Bromoform

Concen: 0.256 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampled :

059_BT-3-1

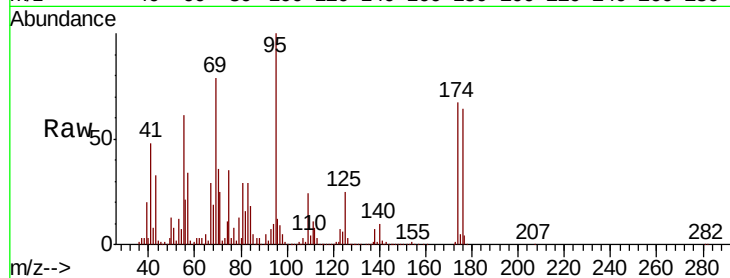
Tot Ion:173 Resp: 1836

Ion Ratio Lower Upper

173 100

175 2119.1 24.3 72.9#

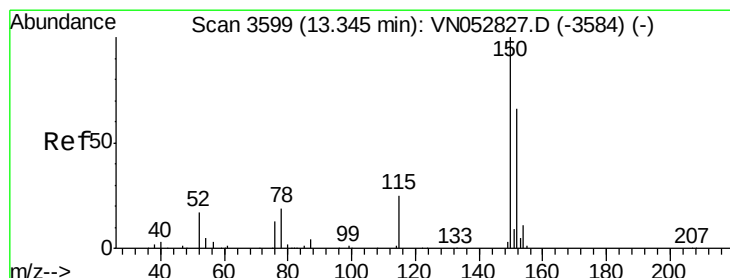
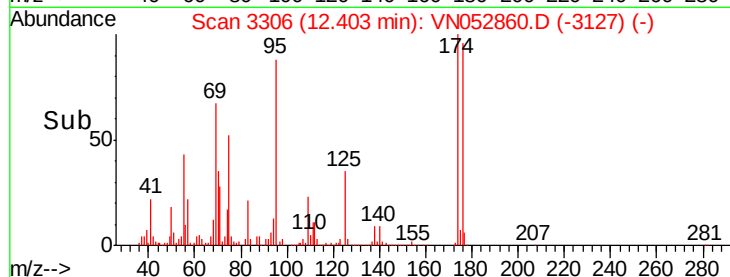
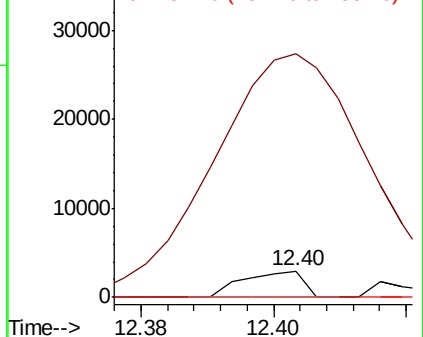
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

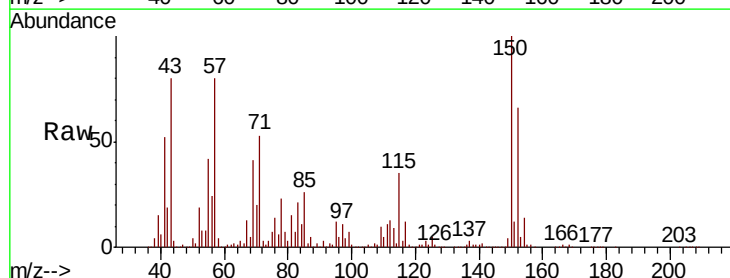
Tgt Ion:152 Resp: 751264

Ion Ratio Lower Upper

152 100

115 52.2 28.3 85.0

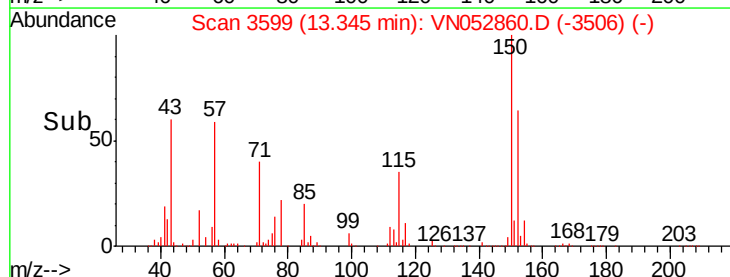
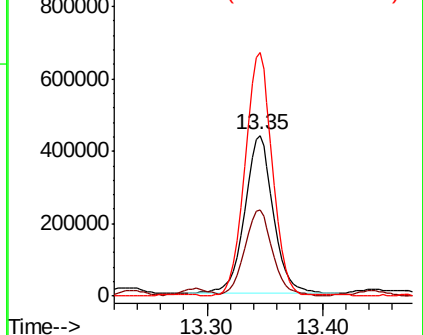
150 145.2 0.0 347.8

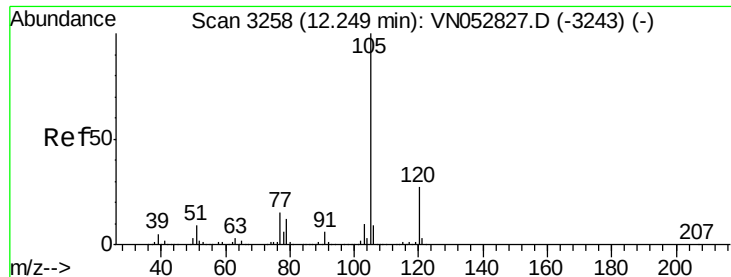


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 26.062 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampled :

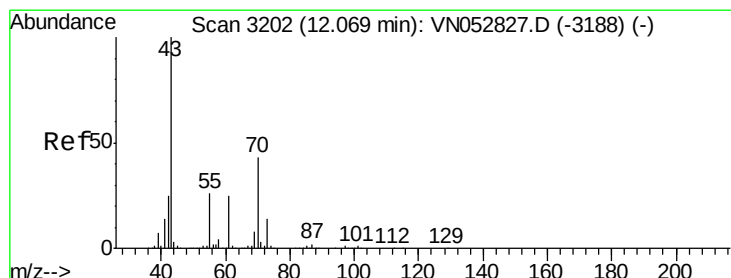
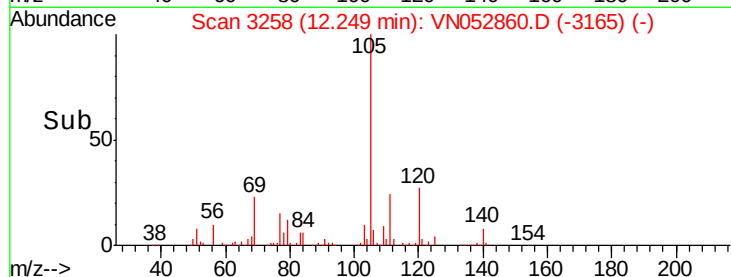
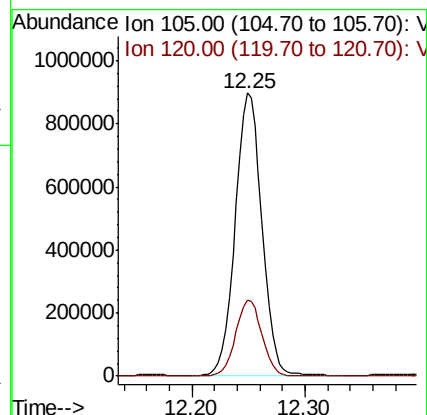
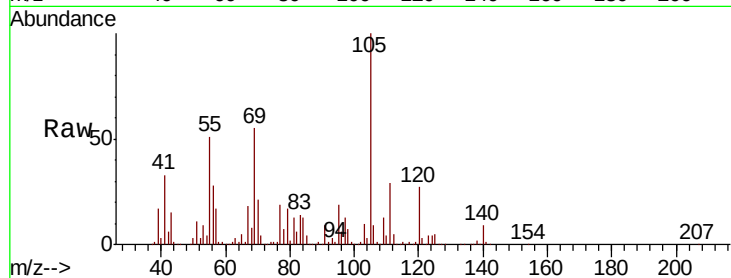
059_BT-3-1

Tot Ion:105 Resp: 1461879

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 137.102 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Tgt Ion: 43 Resp: 2111312

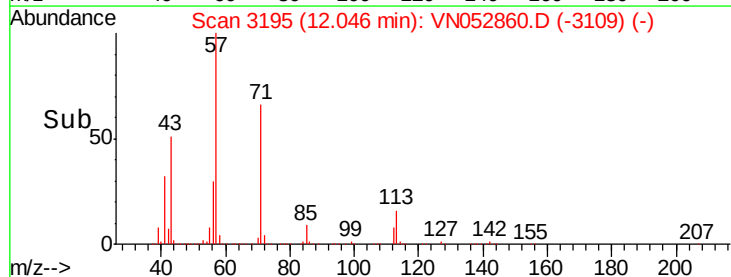
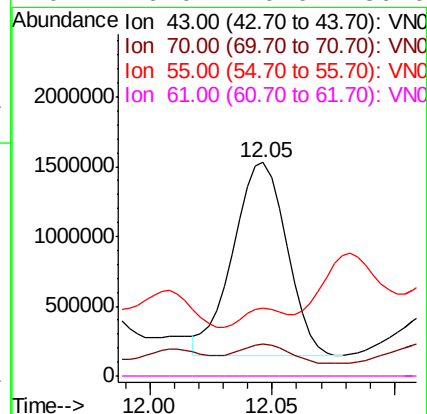
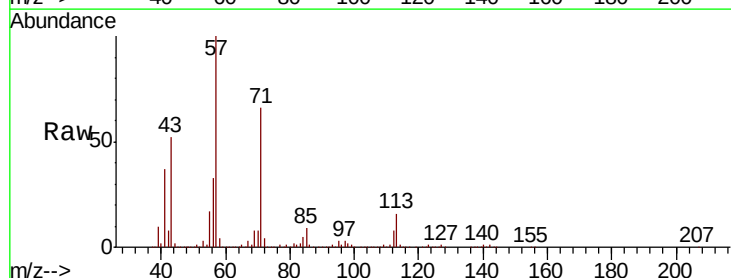
Ion Ratio Lower Upper

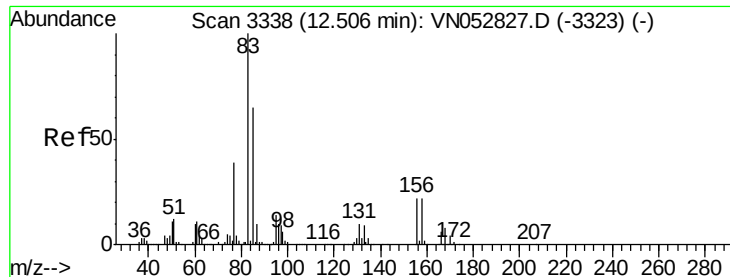
43 100

70 9.7 34.2 51.4#

55 8.2 20.3 30.5#

61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 35.416 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.05 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1

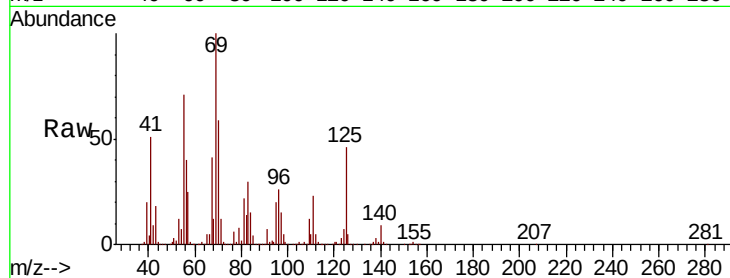
Tot Ion: 83 Resp: 445212

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

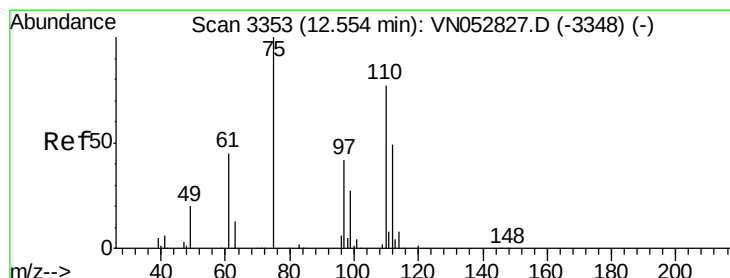
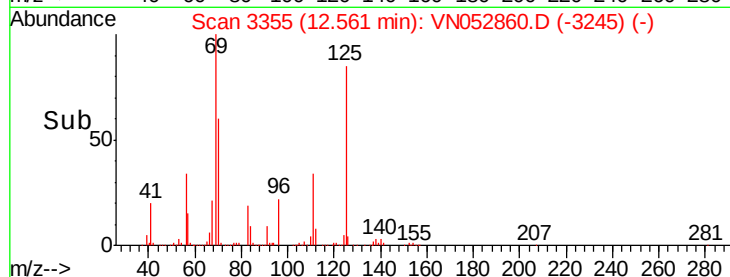
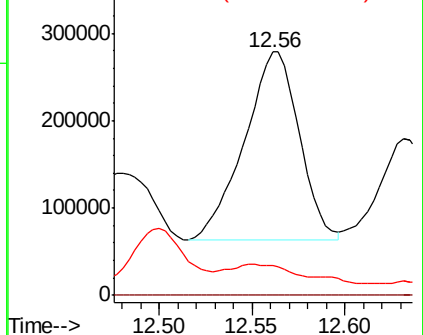
85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN052860.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN052860.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN052860.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 2.120 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN052860.D

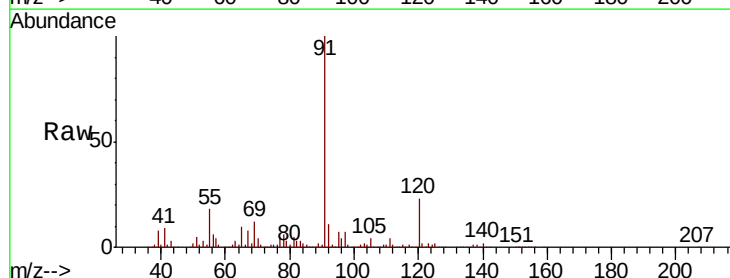
Acq: 13 Dec 2018 13:21

Tgt Ion: 75 Resp: 23496

Ion Ratio Lower Upper

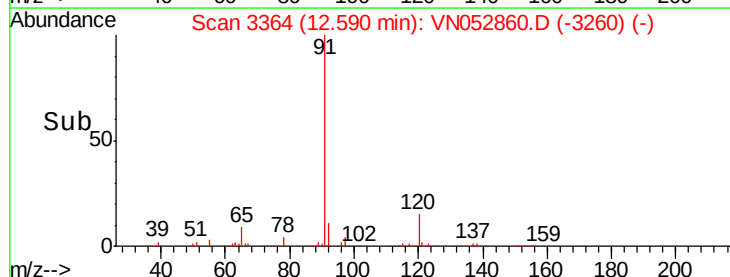
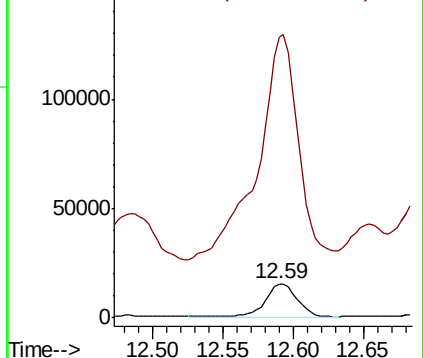
75 100

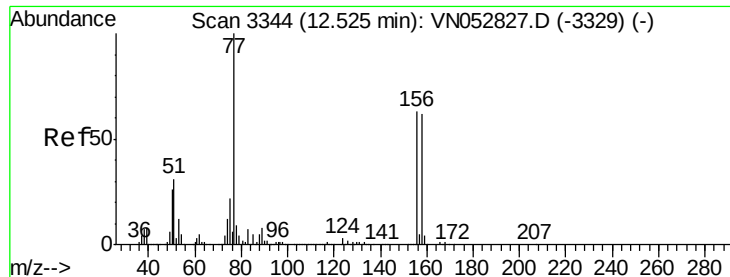
77 888.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052860.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052860.D (-3260) (-)





#77

Bromobenzene

Concen: 0.221 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.03 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1

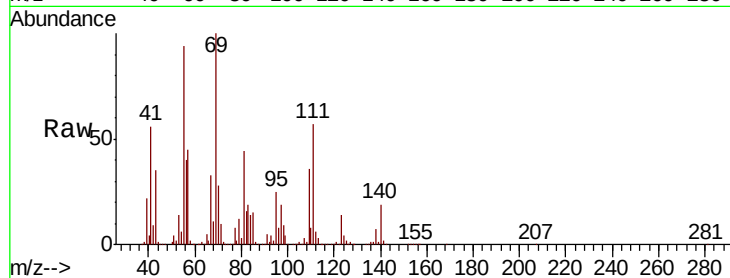
Tot Ion:156 Resp: 3159

Ion Ratio Lower Upper

156 100

77 1492.8 91.3 273.8#

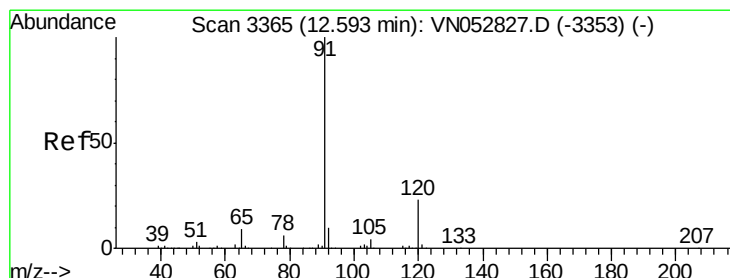
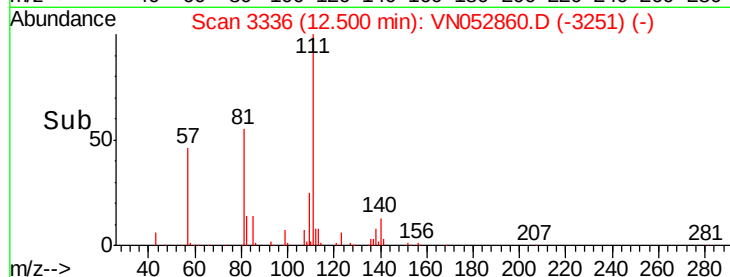
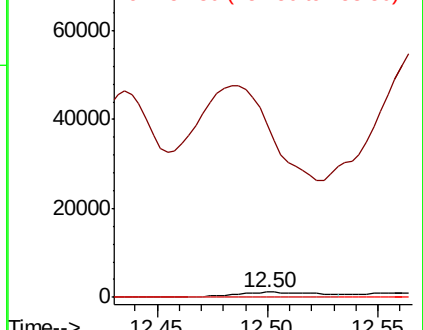
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 65.322 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052860.D

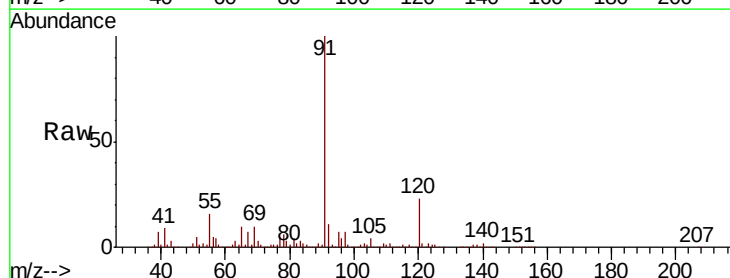
Acq: 13 Dec 2018 13:21

Tgt Ion: 91 Resp: 4178788

Ion Ratio Lower Upper

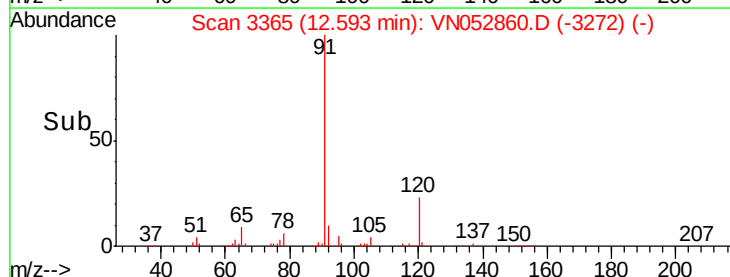
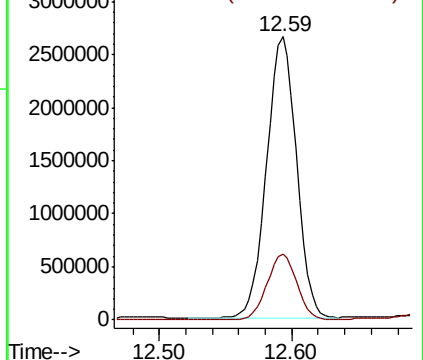
91 100

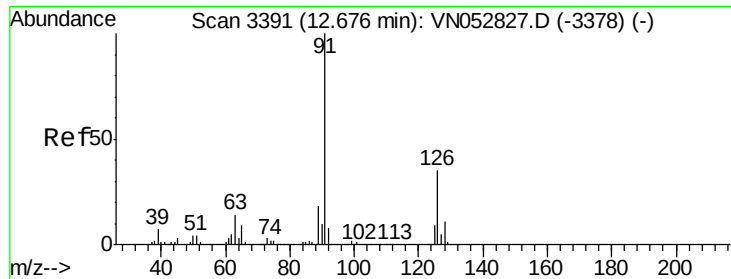
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

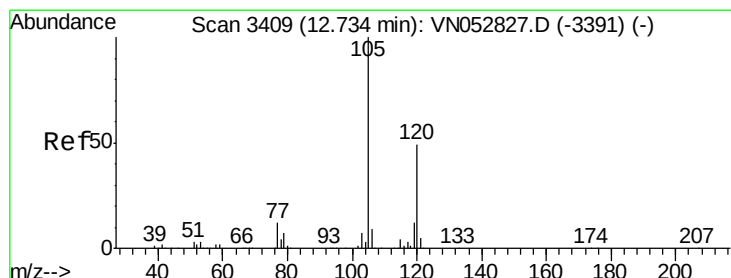
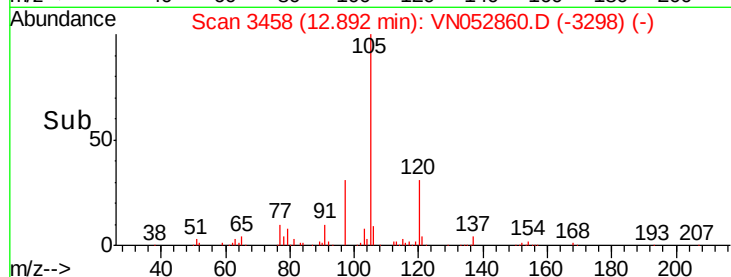
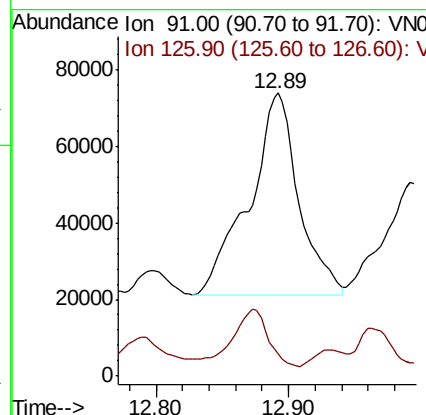
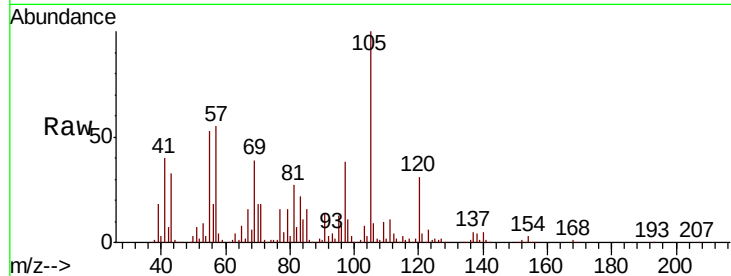




#79
 2-Chlorotoluene
 Concen: 3.613 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. 0.22 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

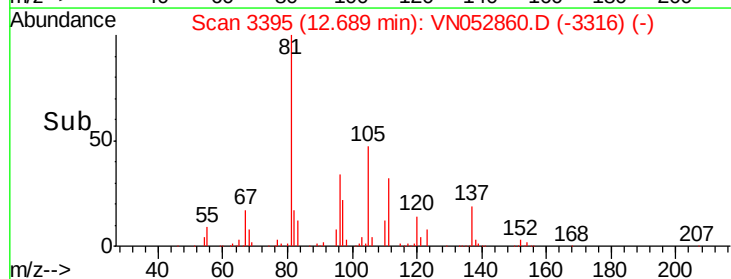
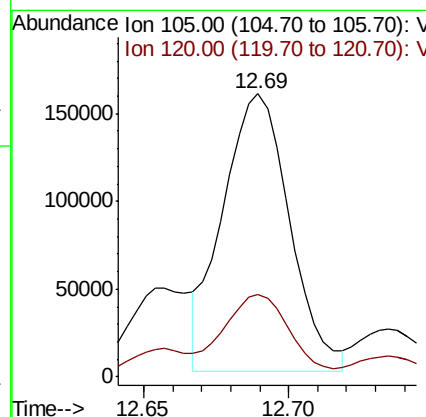
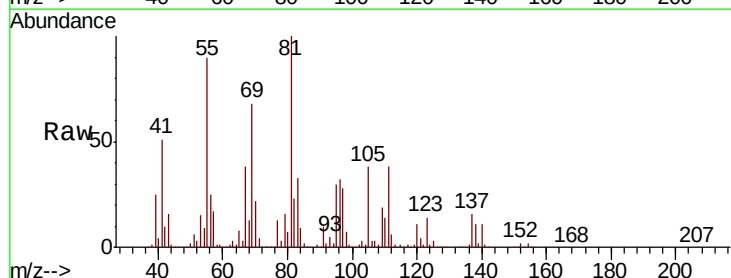
Instrument :
 MSVOA_N
 ClientSampled :
 059_BT-3-1

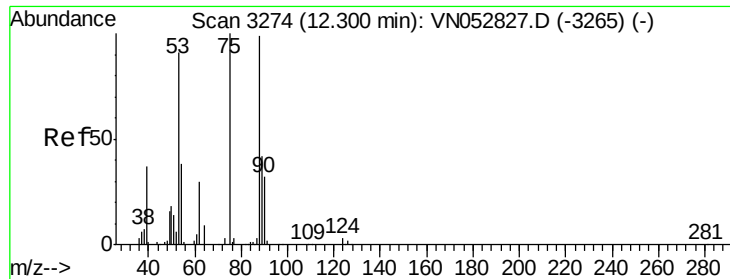
Tot Ion: 91 Resp: 136639
 Ion Ratio Lower Upper
 91 100
 126 19.1 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 5.592 ug/l
 RT: 12.69 min Scan# 3395
 Delta R.T. -0.04 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

Tgt Ion: 105 Resp: 253212
 Ion Ratio Lower Upper
 105 100
 120 25.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.209 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1

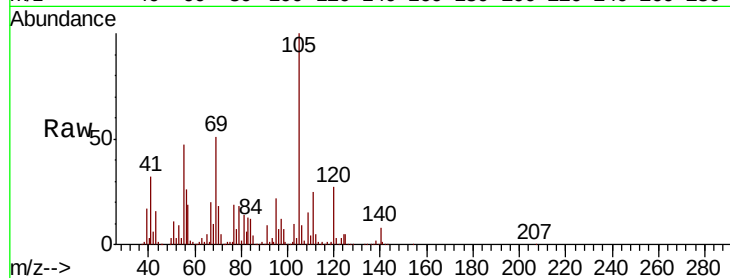
Tot Ion: 75 Resp: 14522

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

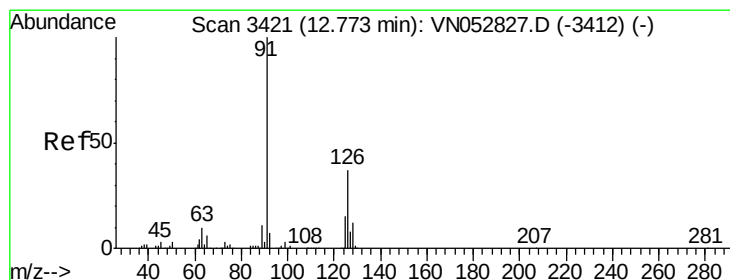
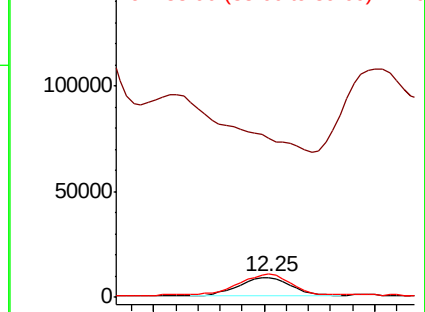
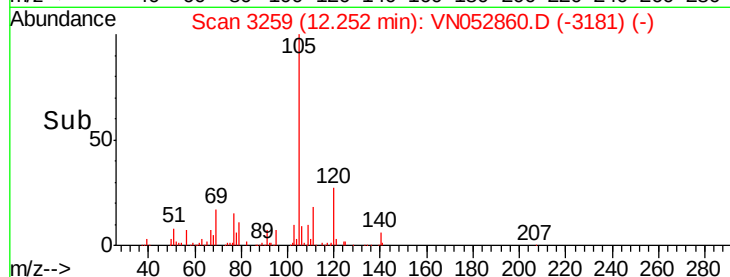
89 107.3 36.1 54.1#



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: 3.534 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.12 min

Lab File: VN052860.D

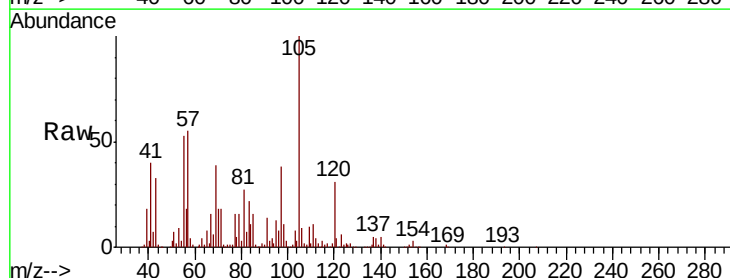
Acq: 13 Dec 2018 13:21

Tgt Ion: 91 Resp: 136639

Ion Ratio Lower Upper

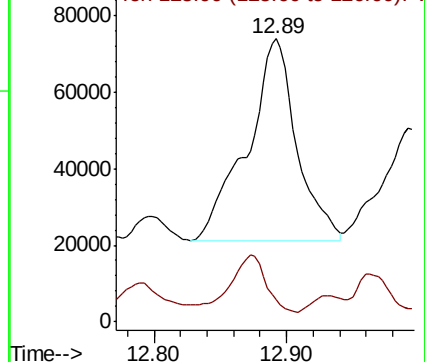
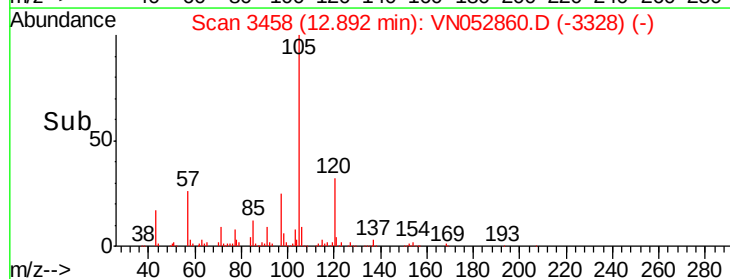
91 100

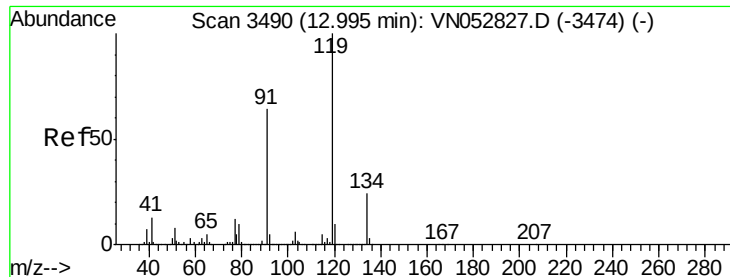
126 19.1 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

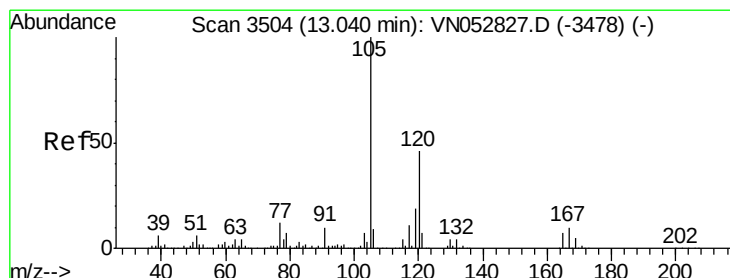
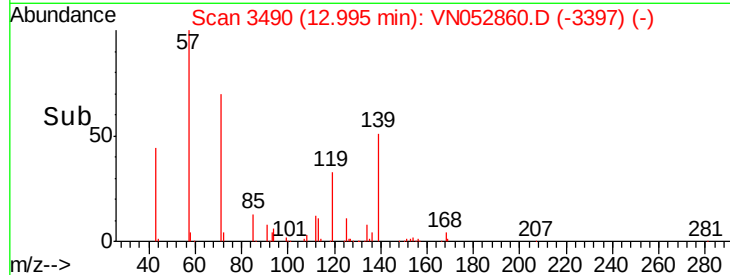
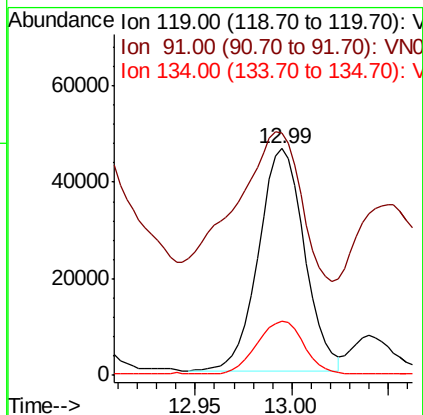
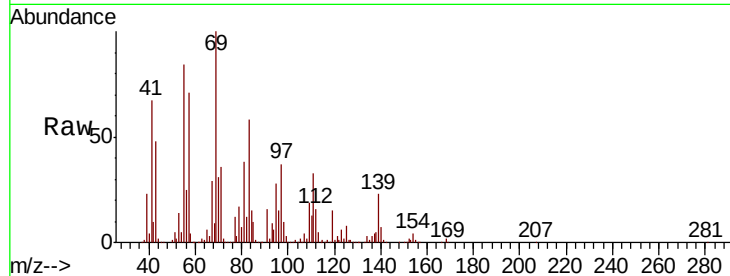




#83
 tert-Butylbenzene
 Concen: 1.898 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

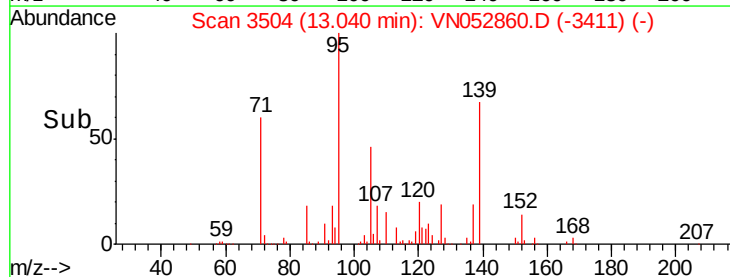
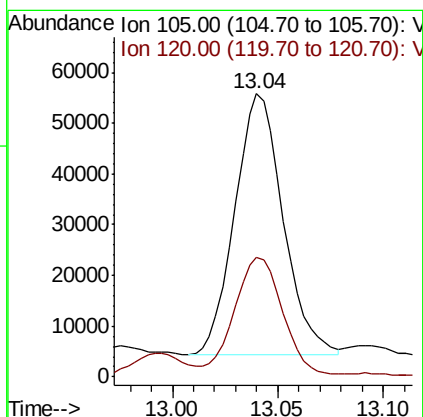
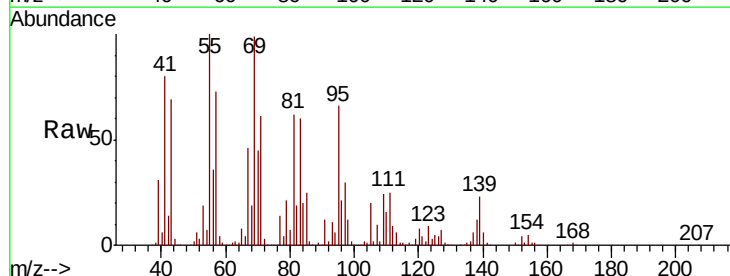
Instrument :
 MSVOA_N
 ClientSampled :
 059_BT-3-1

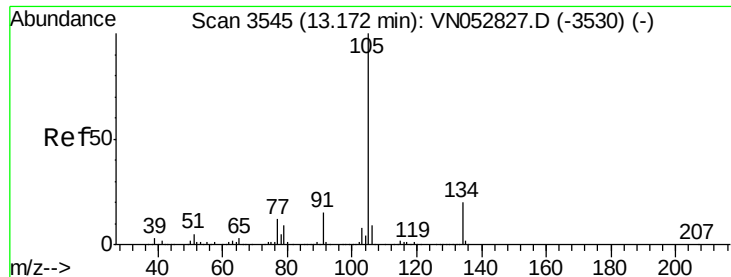
Tot Ion:119 Resp: 75816
 Ion Ratio Lower Upper
 119 100
 91 93.9 31.9 95.5
 134 24.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 1.781 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

Tgt Ion:105 Resp: 81648
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 16.311 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampled :

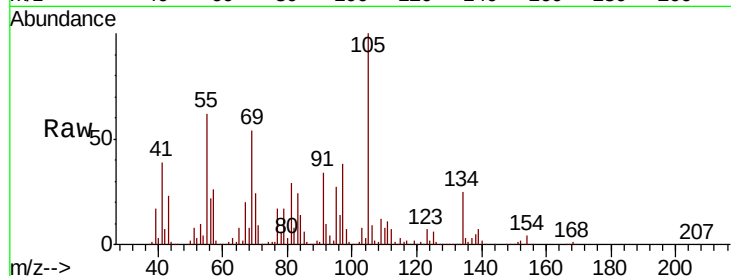
059_BT-3-1

Tot Ion:105 Resp: 882322

Ion Ratio Lower Upper

105 100

134 43.4 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

300000

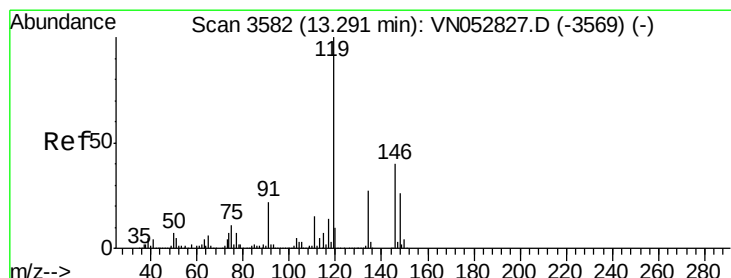
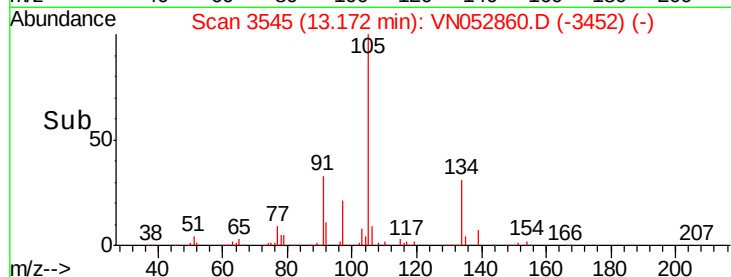
200000

100000

0

Time-->

13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 8.977 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

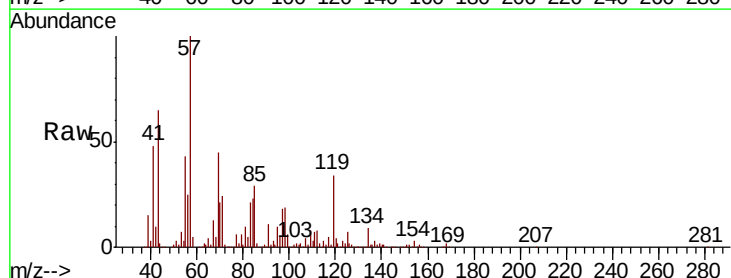
Tgt Ion:119 Resp: 420734

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 31.4 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

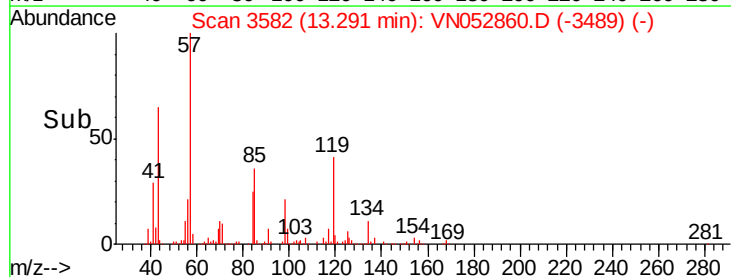
200000

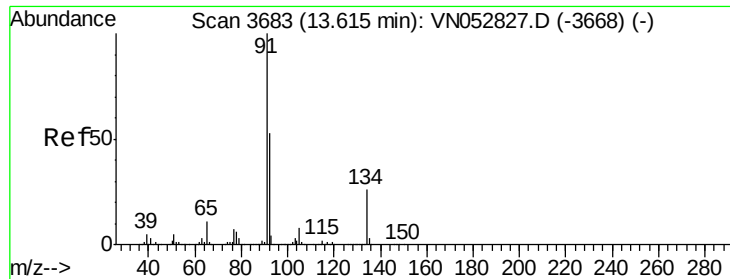
100000

0

Time-->

13.25 13.30 13.35





#89

n-Butylbenzene

Concen: 40.319 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1

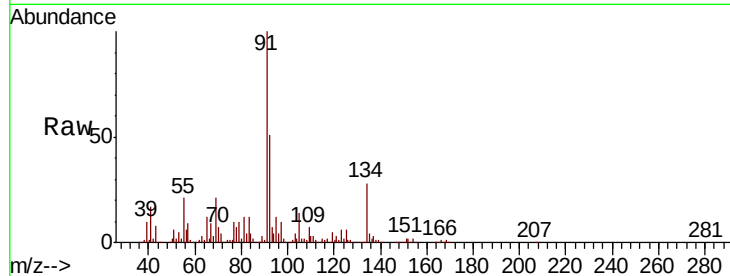
Tot Ion: 91 Resp: 1590738

Ion Ratio Lower Upper

91 100

92 47.8 26.3 78.9

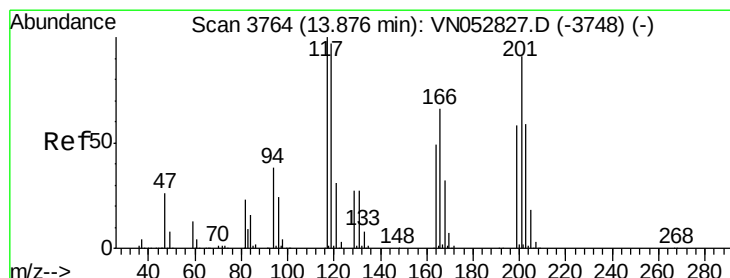
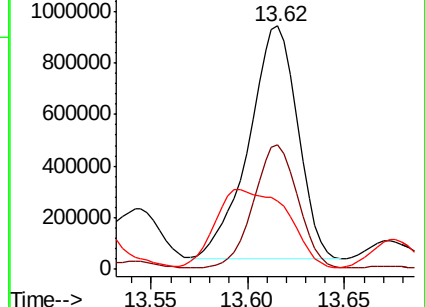
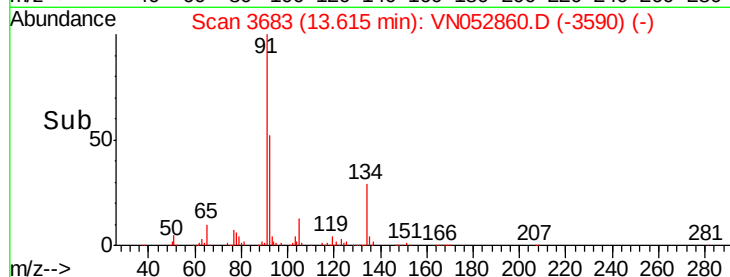
134 49.3 13.3 39.8#



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90

Hexachloroethane

Concen: 81.272 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052860.D

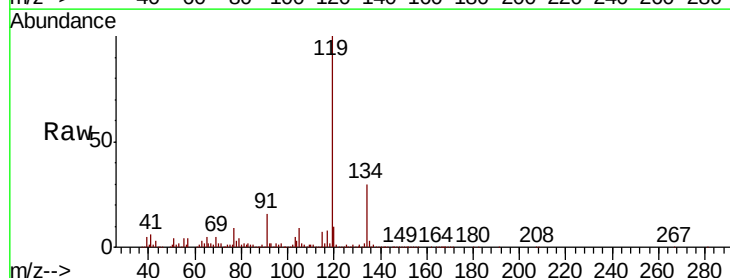
Acq: 13 Dec 2018 13:21

Tgt Ion: 117 Resp: 637795

Ion Ratio Lower Upper

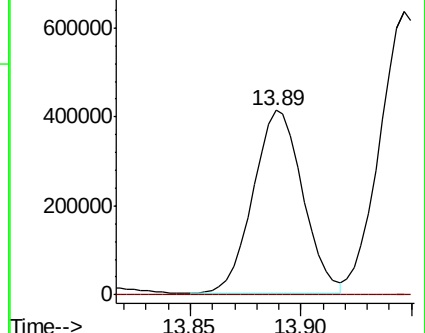
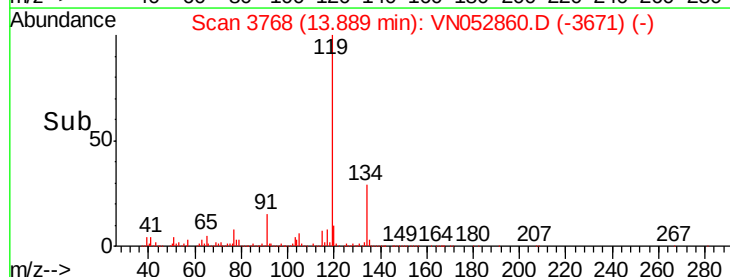
117 100

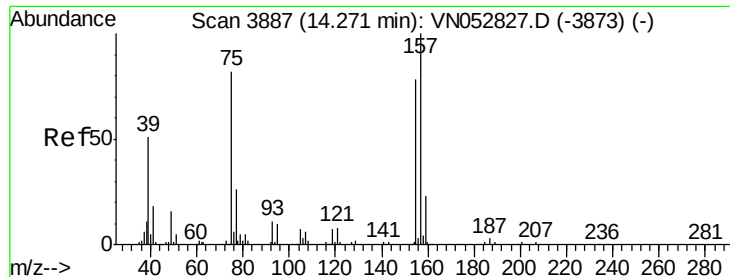
201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)

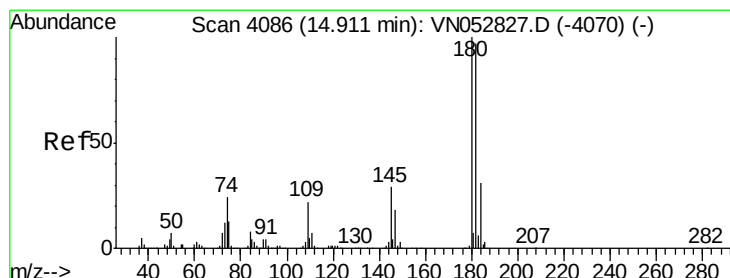
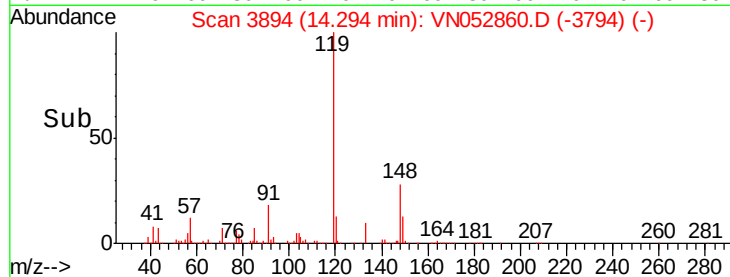
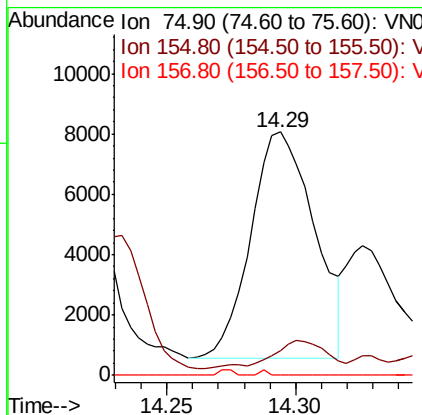
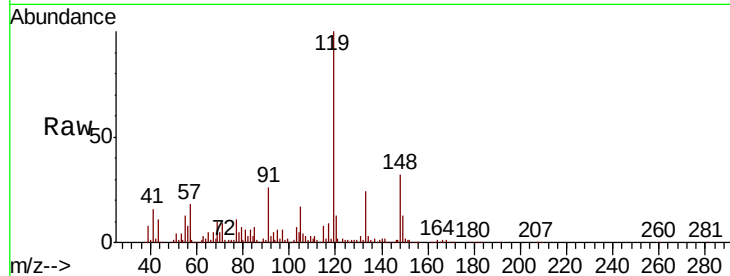




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.827 ug/l
 RT: 14.29 min Scan# 3894
 Delta R.T. 0.02 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

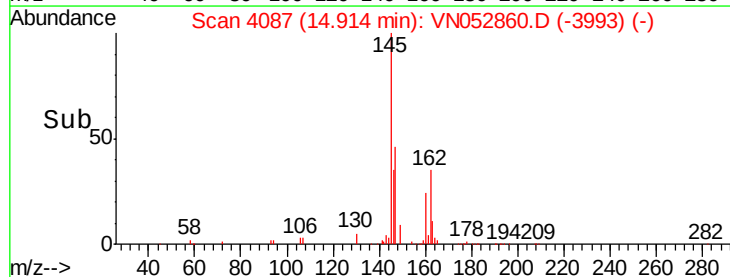
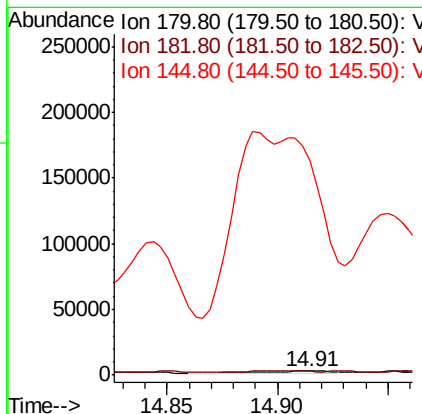
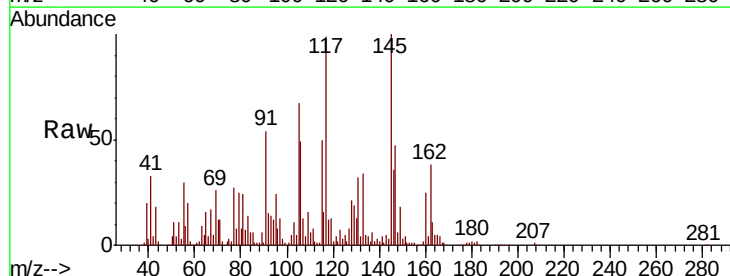
Instrument :
 MSVOA_N
 ClientSampled :
 059_BT-3-1

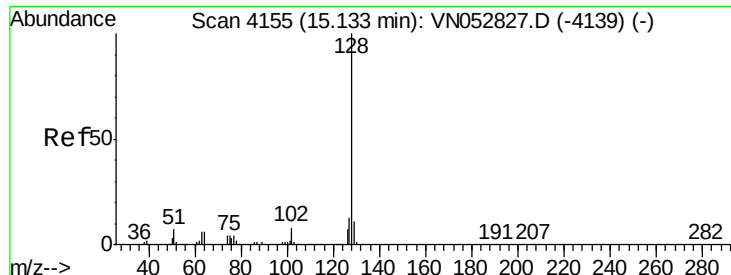
Tot Ion: 75 Resp: 12936
 Ion Ratio Lower Upper
 75 100
 155 10.4 48.2 144.6#
 157 0.3 61.2 183.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.241 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052860.D
 Acq: 13 Dec 2018 13:21

Tgt Ion: 180 Resp: 3198
 Ion Ratio Lower Upper
 180 100
 182 71.8 47.8 143.3
 145 0.0 14.2 42.6#





#95

Naphthalene

Concen: 2.440 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. -0.03 min

Lab File: VN052860.D

Acq: 13 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

059_BT-3-1

Tot Ion:128 Resp: 67004

Ion Ratio Lower Upper

128 100

127 33.3 10.2 15.4#

129 55.6 8.6 13.0#

