

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062053.D
 Acq On : 23 Jun 2020 19:50
 Operator : JC/MD
 Sample : L3071-07DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-7DL

Quant Time: Jun 24 01:34:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	143517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	260000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123351	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	99559	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
35) Dibromofluoromethane	7.55	113	84805	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	10.06	98	346122	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.38	95	125013	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	521	1.956	ug/l #	74
13) Acrolein	3.74	56	137	0.861	ug/l #	15
14) Allyl chloride	4.49	41	2212	1.143	ug/l #	57
16) Acetone	3.77	43	2378	4.183	ug/l #	75
19) Methyl tert-butyl Ether	5.00	73	1136	0.234	ug/l #	1
20) Methylene Chloride	4.49	84	464	0.250	ug/l #	40
25) 2-Butanone	6.79	43	1099	1.325	ug/l #	44
30) Chloroform	7.28	83	1360	0.439	ug/l #	18
31) Cyclohexane	7.61	56	12582	4.960	ug/l #	72
36) 1,1-Dichloropropene	7.63	75	11503	4.653	ug/l #	48
37) Ethyl Acetate	6.79	43	1099	0.569	ug/l #	84
38) Carbon Tetrachloride	7.63	117	14855	6.068	ug/l #	16
39) Methylcyclohexane	9.05	83	12063	4.532	ug/l	90
40) Benzene	8.00	78	3712	0.496	ug/l	98
41) Methacrylonitrile	7.28	41	723	0.876	ug/l #	100
43) Isopropyl Acetate	8.11	43	1917	0.589	ug/l #	51
47) Bromodichloromethane	9.36	83	2411	0.909	ug/l #	25
48) Methyl methacrylate	9.19	41	1652	1.117	ug/l #	26
51) 4-Methyl-2-Pentanone	9.99	43	4796	2.495	ug/l #	52
52) Toluene	10.12	92	3537	0.752	ug/l	99
55) 1,1,2-Trichloroethane	10.51	97	2032	1.098	ug/l #	25
56) Ethyl methacrylate	10.41	69	535	3.081	ug/l #	85
59) 2-Hexanone	10.74	43	94	13.465	ug/l #	20
67) Ethyl Benzene	11.48	91	322018	35.008	ug/l	100
68) m/p-Xylenes	11.60	106	274217	77.312	ug/l	100
69) o-Xylene	11.92	106	7690	2.272	ug/l	95
71) Bromoform	12.38	173	542	0.388	ug/l #	1
73) Isopropylbenzene	12.22	105	482761	55.075	ug/l	100
74) N-amyl acetate	12.02	43	637	3.253	ug/l #	74
76) 1,2,3-Trichloropropane	12.57	75	4134	1.707	ug/l #	100
78) n-propylbenzene	12.57	91	689237	68.911	ug/l	99
79) 2-Chlorotoluene	12.66	91	75903	12.636	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.71	105	794479	109.555	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.22	75	5405	6.087	ug/l #	60

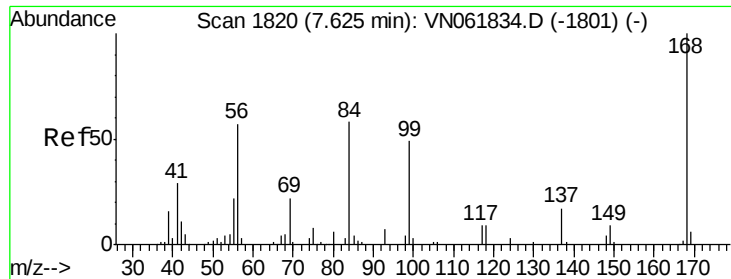
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.71	91	82965	13.366	ug/l #	40
83) tert-Butylbenzene	13.02	119	348909	56.752	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.01	105	2798697	390.958	ug/l	98
85) sec-Butylbenzene	13.01	105	2798697	347.796	ug/l #	56
86) p-Isopropyltoluene	13.21	119	28369	3.956	ug/l #	77
89) n-Butylbenzene	13.59	91	30552	5.102	ug/l #	66
90) Hexachloroethane	13.86	117	17418	13.270	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.22	75	1223	2.643	ug/l #	1
95) Naphthalene	15.10	128	222643	37.241	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

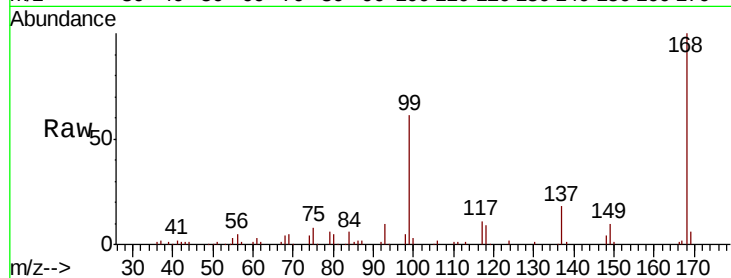
TW-7DL

Tot Ion:168 Resp: 143517

Ion Ratio Lower Upper

168 100

99 60.8 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

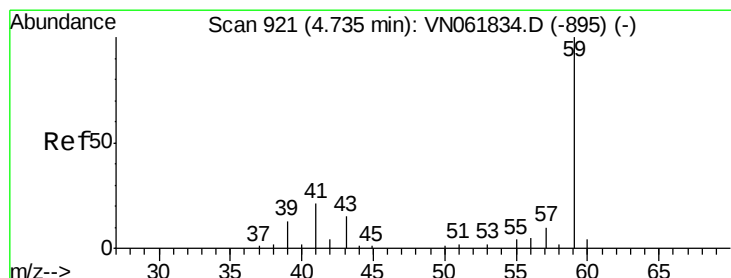
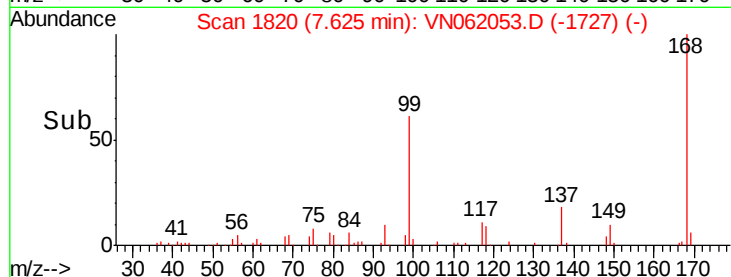
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#11

Tert butyl alcohol

Concen: 1.956 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN062053.D

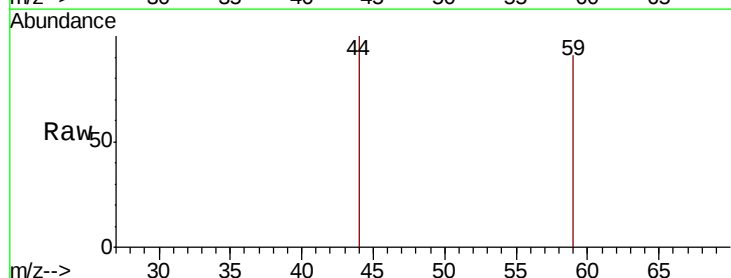
Acq: 23 Jun 2020 19:50

Tgt Ion: 59 Resp: 521

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

250

200

150

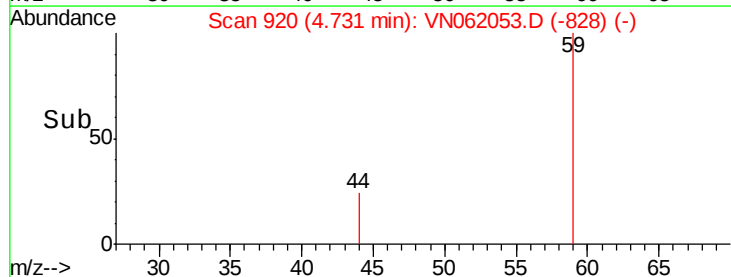
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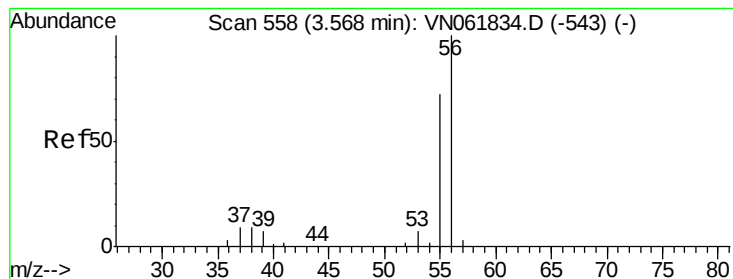
50

0

4.68 4.70 4.72 4.74 4.76

Time-->





#13

Acrolein

Concen: 0.861 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.17 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

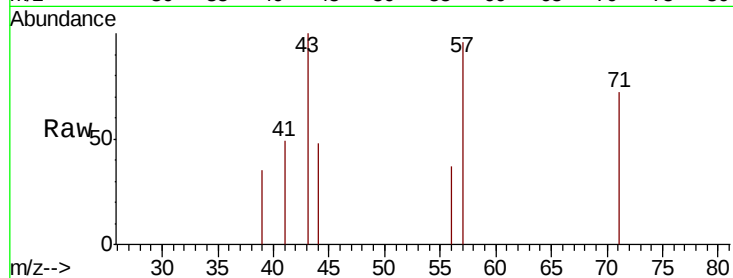
TW-7DL

Tot Ion: 56 Resp: 137

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

250

200

150

100

50

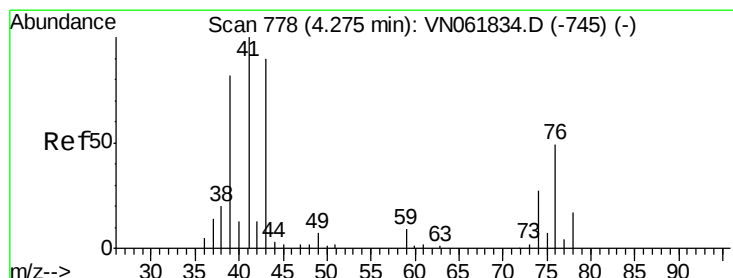
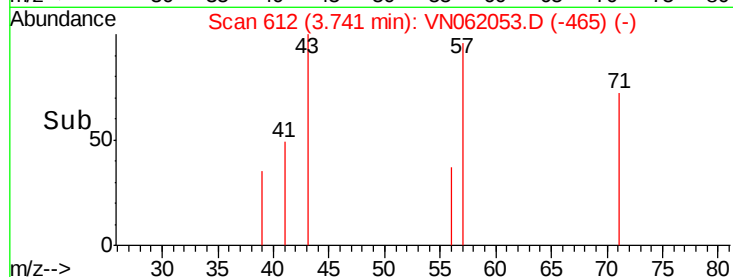
0

3.73

3.74

3.75

Time-->



#14

Allyl chloride

Concen: 1.143 ug/l

RT: 4.49 min Scan# 846

Delta R.T. 0.22 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

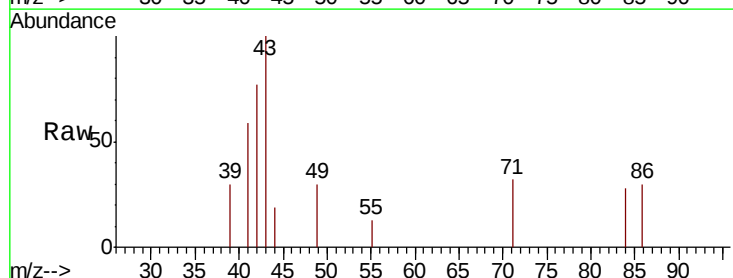
Tgt Ion: 41 Resp: 2212

Ion Ratio Lower Upper

41 100

39 51.6 60.2 90.2#

76 0.0 36.3 54.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

1500

1000

500

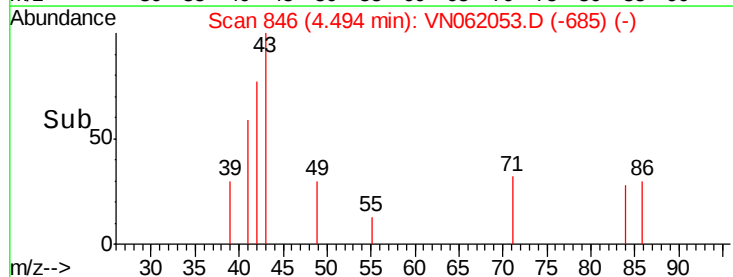
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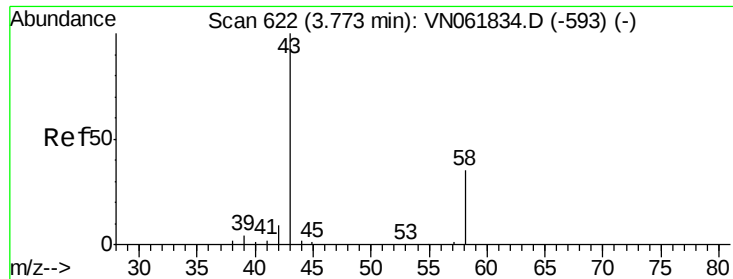
4.40

4.45

4.50

Time-->





#16

Acetone

Concen: 4.183 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

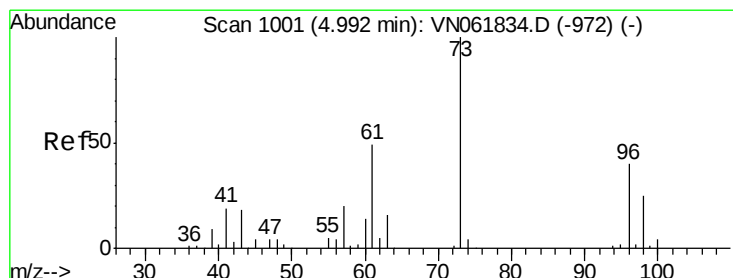
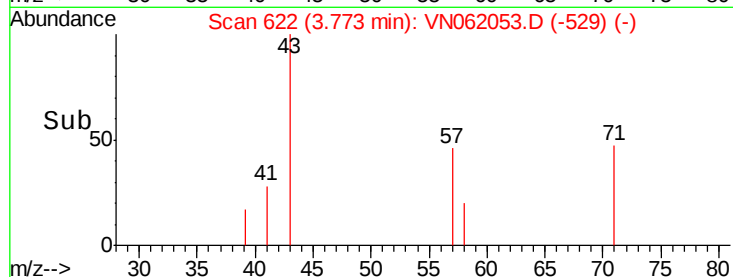
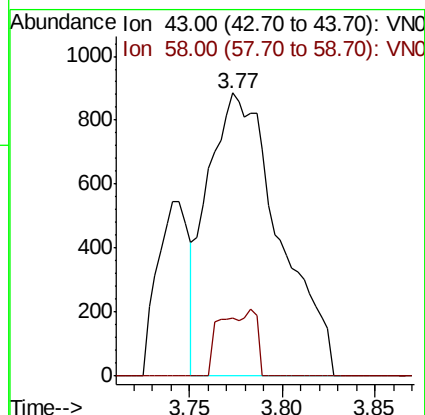
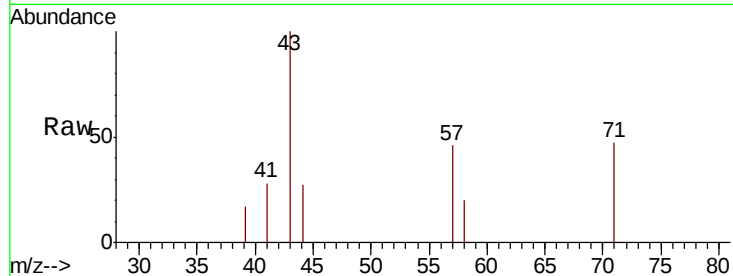
TW-7DL

Tot Ion: 43 Resp: 2378

Ion Ratio Lower Upper

43 100

58 20.5 27.8 41.8#



#19

Methyl tert-butyl Ether

Concen: 0.234 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN062053.D

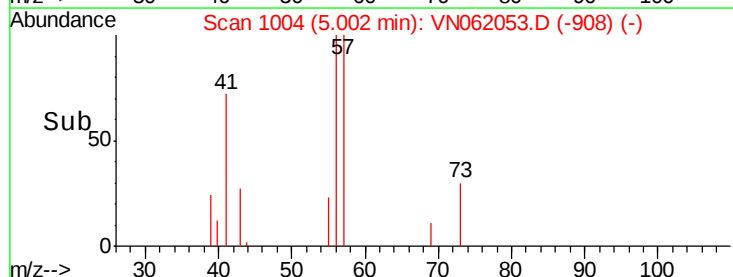
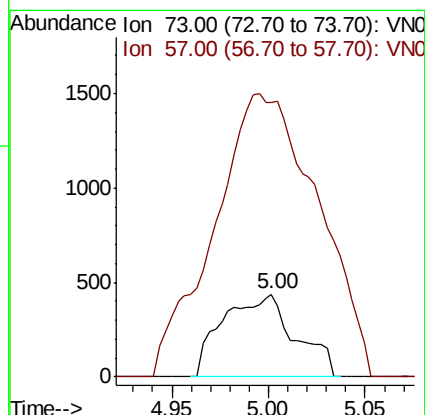
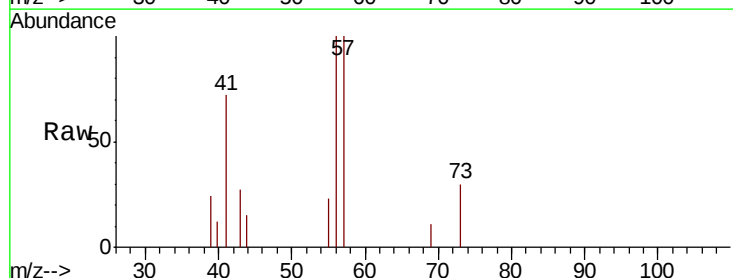
Acq: 23 Jun 2020 19:50

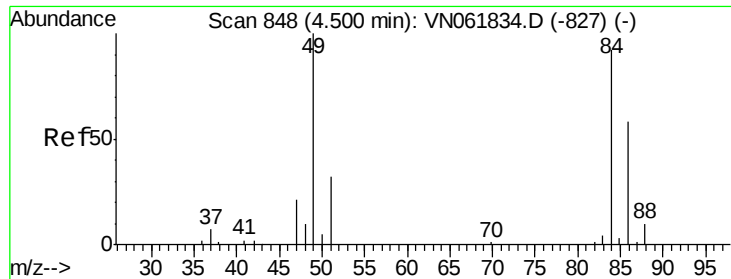
Tgt Ion: 73 Resp: 1136

Ion Ratio Lower Upper

73 100

57 232.3 16.2 24.4#

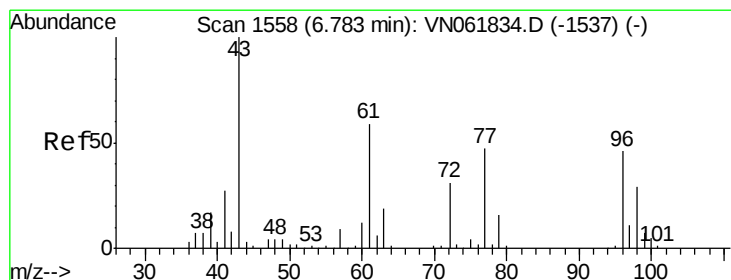
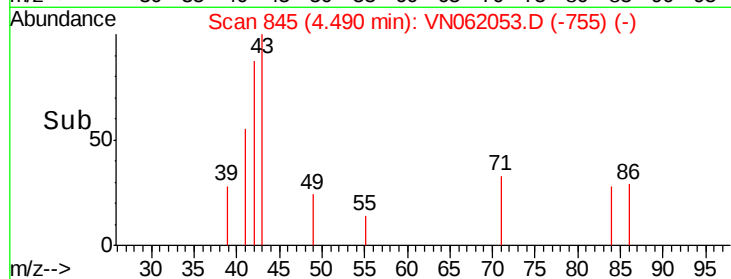
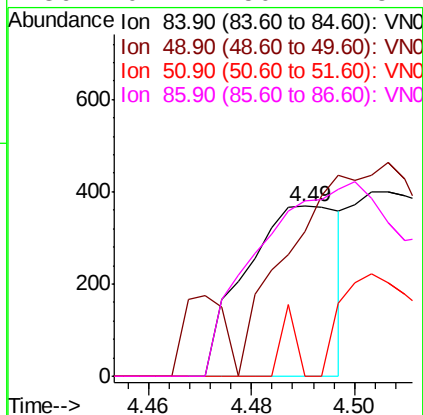
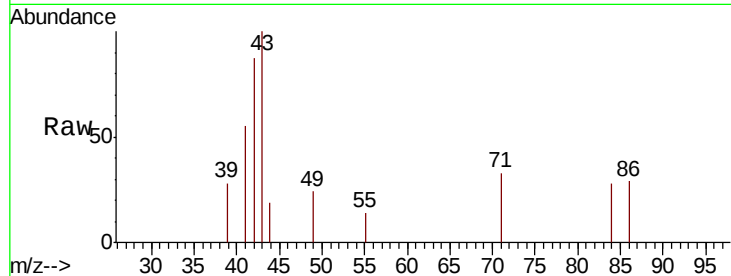




#20
Methylene Chloride
Concen: 0.250 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

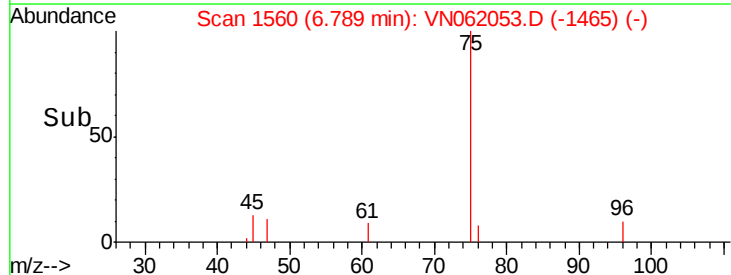
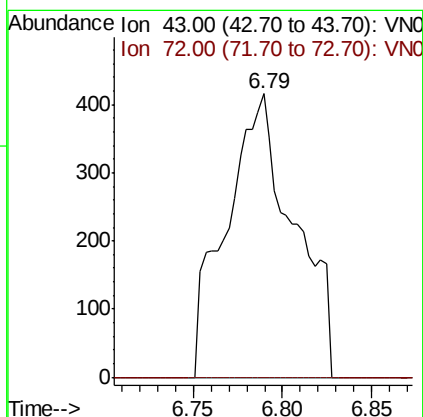
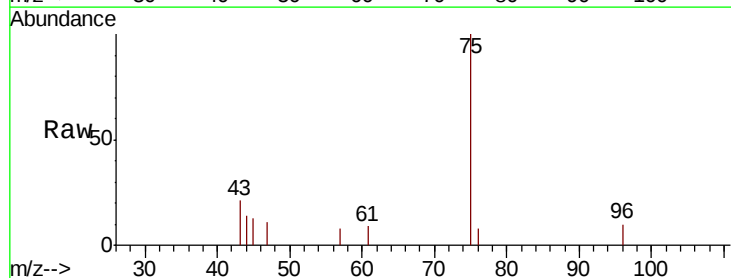
Instrument :
MSVOA_N
ClientSampled :
TW-7DL

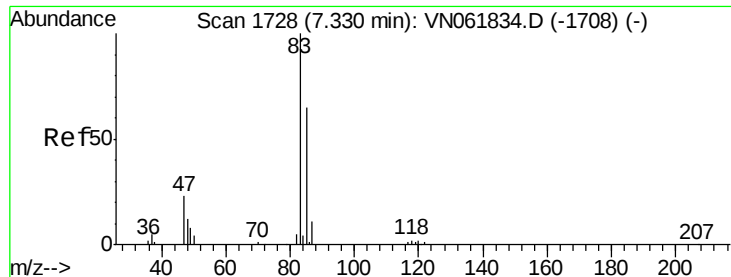
Tot Ion: 84 Resp: 464
Ion Ratio Lower Upper
84 100
49 39.8 87.0 130.4#
51 0.0 27.8 41.6#
86 102.7 50.2 75.2#



#25
2-Butanone
Concen: 1.325 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
72 0.0 24.6 37.0#

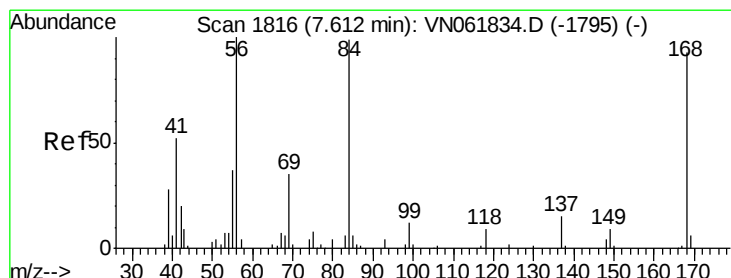
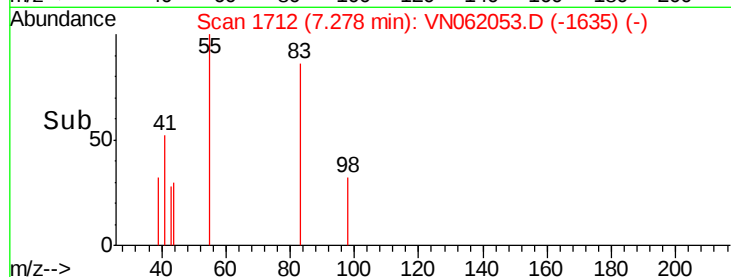
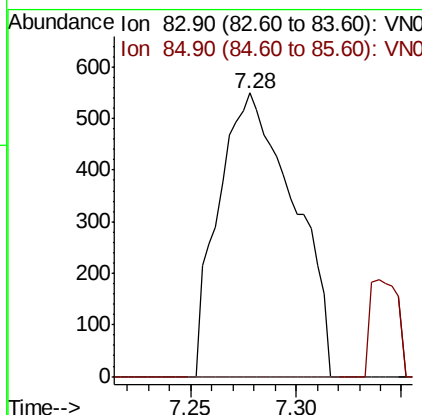
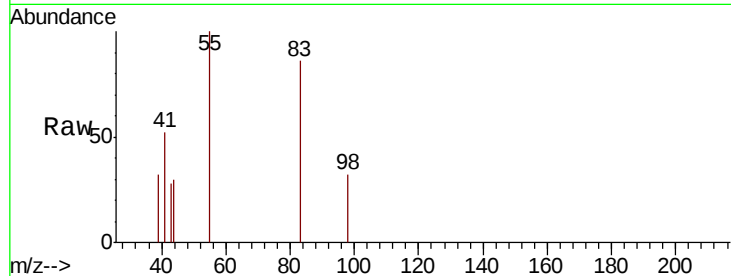




#30
Chloroform
Concen: 0.439 ug/l
RT: 7.28 min Scan# 1712
Delta R.T. -0.05 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

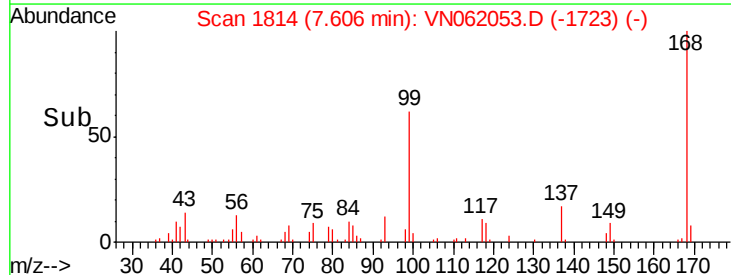
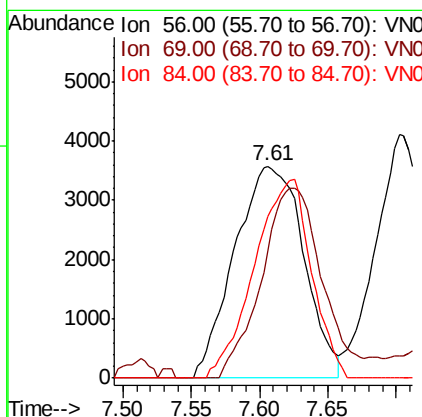
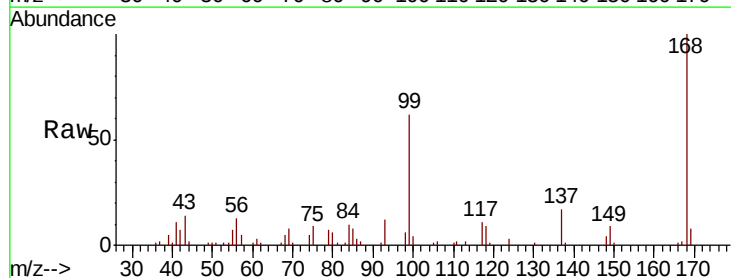
Instrument :
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ClientSampled :
TW-7DL

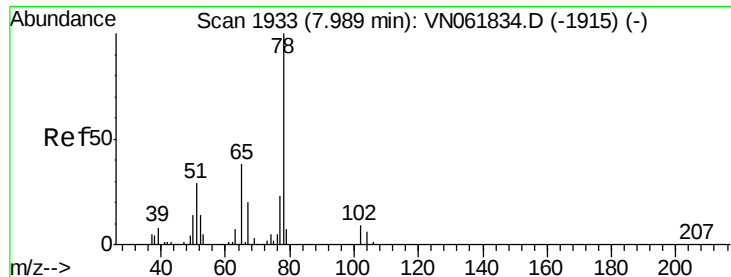
Tot Ion: 83 Resp: 1360
Ion Ratio Lower Upper
83 100
85 0.0 52.0 78.0#



#31
Cyclohexane
Concen: 4.960 ug/l
RT: 7.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion: 56 Resp: 12582
Ion Ratio Lower Upper
56 100
69 60.1 27.7 41.5#
84 76.3 79.1 118.7#

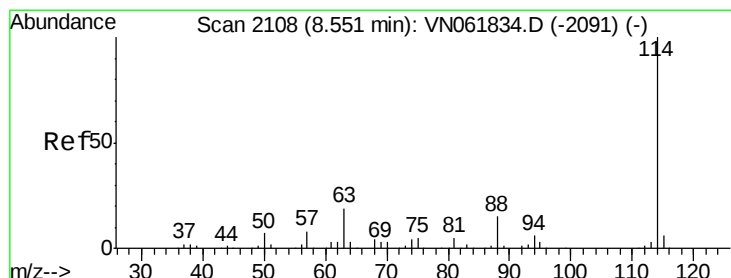
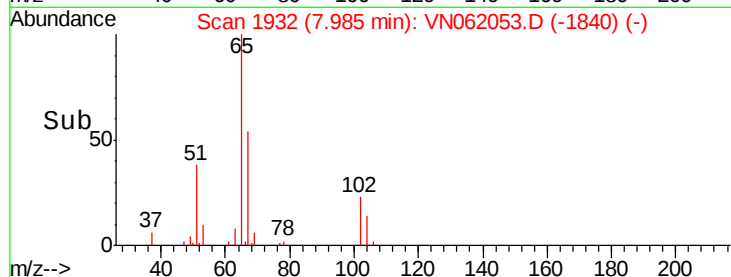
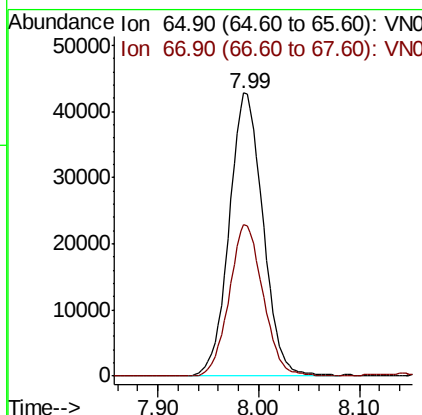
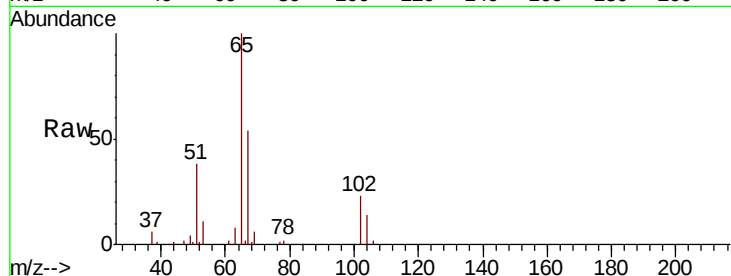




#33
 1,2-Dichloroethane-d4
 Concen: 51.725 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

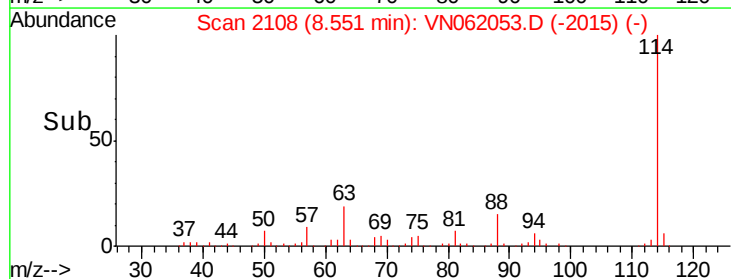
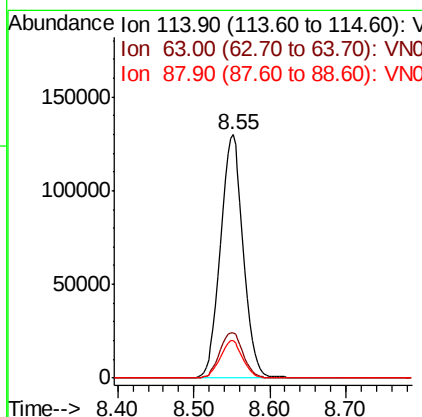
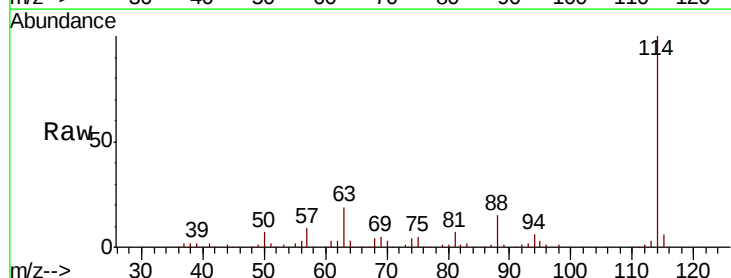
Instrument :
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 ClientSampleId :
 TW-7DL

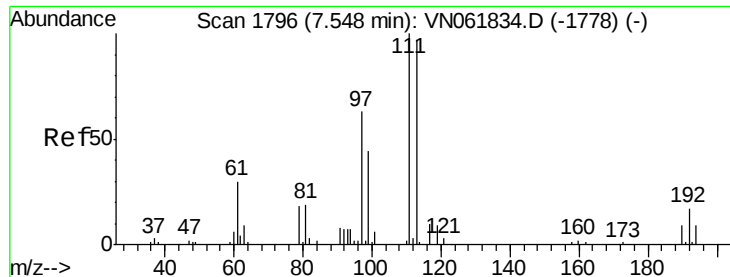
Tot Ion: 65 Resp: 99559
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

Tgt Ion: 114 Resp: 271013
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.6
 88 15.4 0.0 31.0

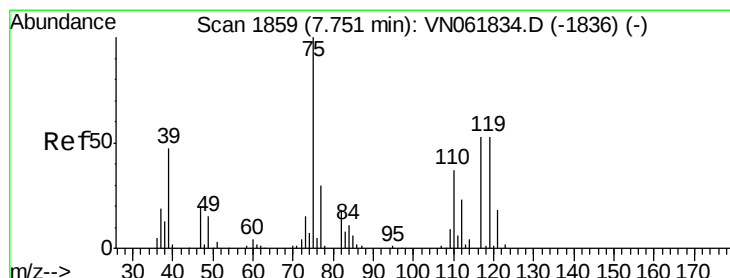
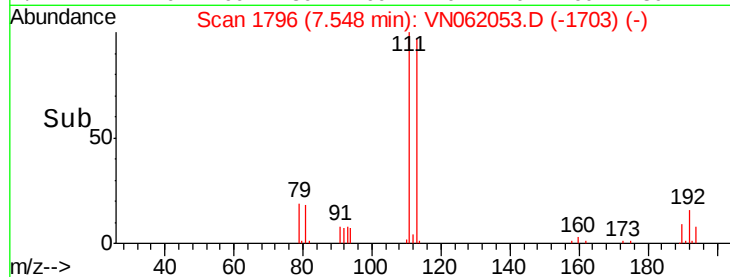
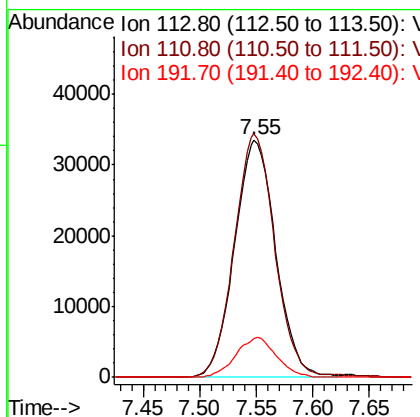
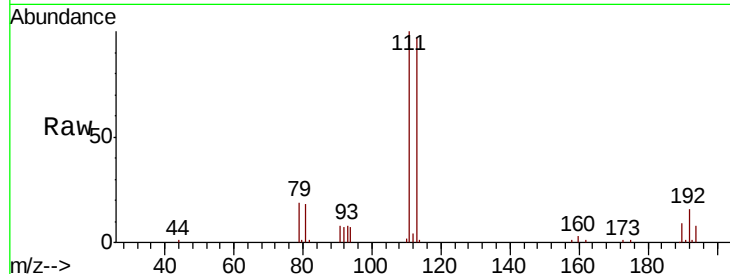




#35
 Dibromofluoromethane
 Concen: 48.913 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

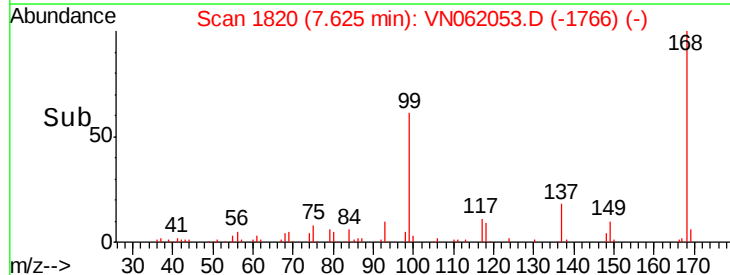
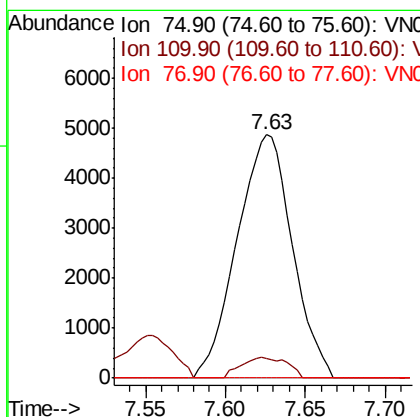
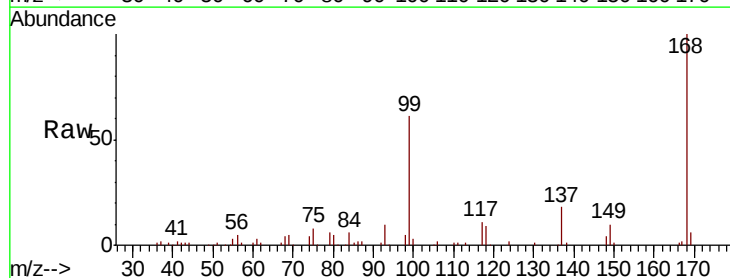
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-7DL

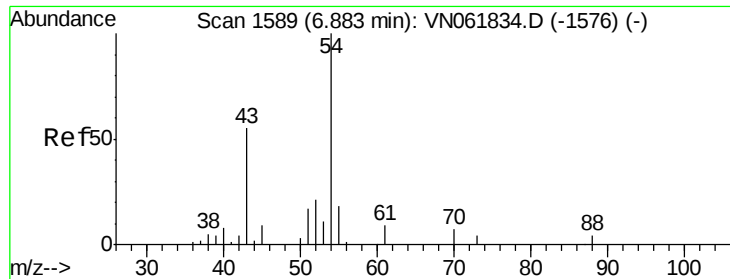
Tot Ion:113 Resp: 84805
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.7 125.5
 192 16.6 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.653 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

Tgt Ion: 75 Resp: 11503
 Ion Ratio Lower Upper
 75 100
 110 7.0 18.2 54.6#
 77 0.0 24.2 36.4#

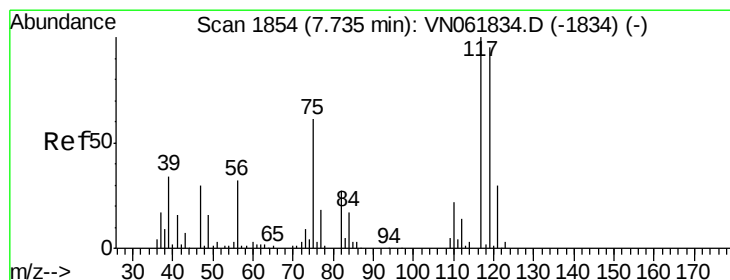
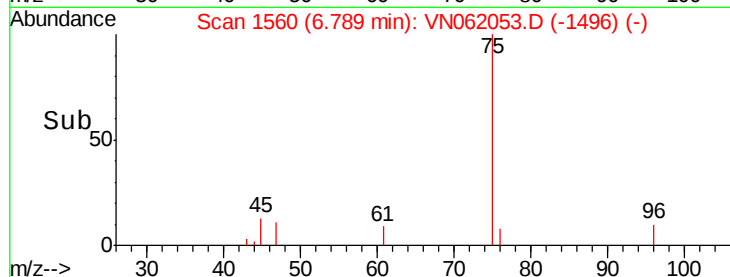
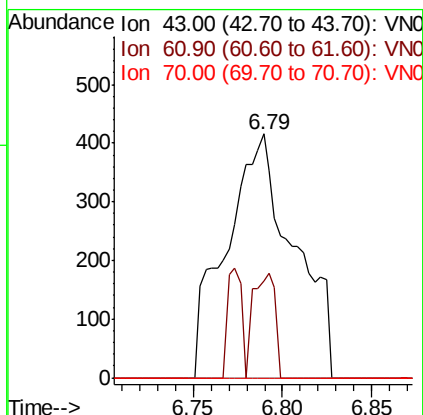
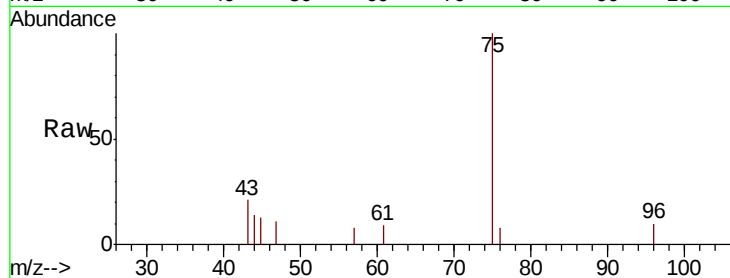




#37
Ethyl Acetate
Concen: 0.569 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.09 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

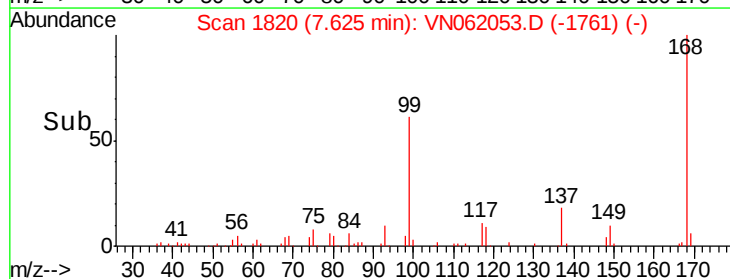
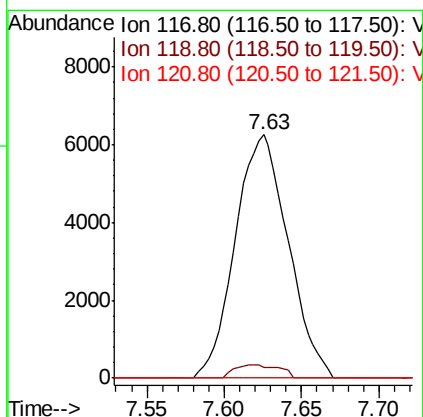
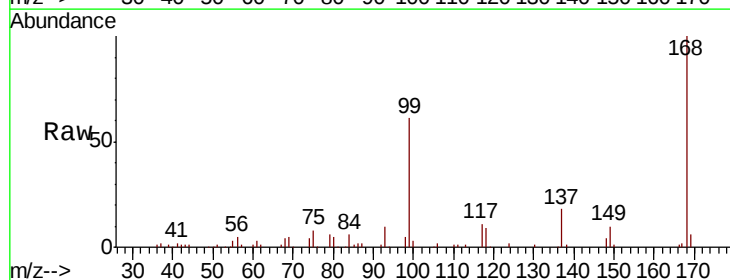
Instrument :
MSVOA_N
ClientSampled :
TW-7DL

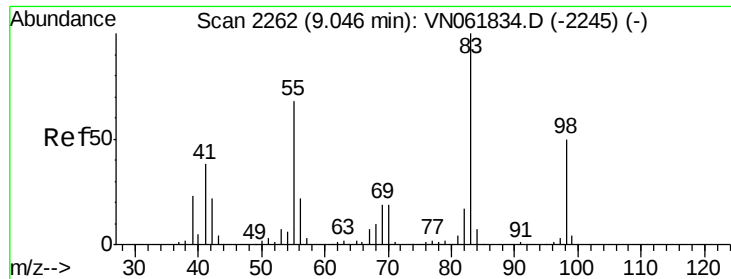
Tot Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
61 14.0 13.0 19.4
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.068 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion: 117 Resp: 14855
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 23.8 35.6#

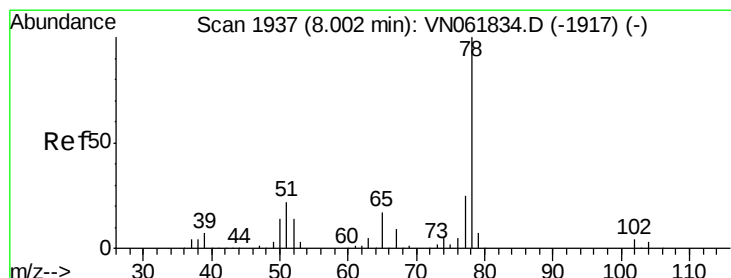
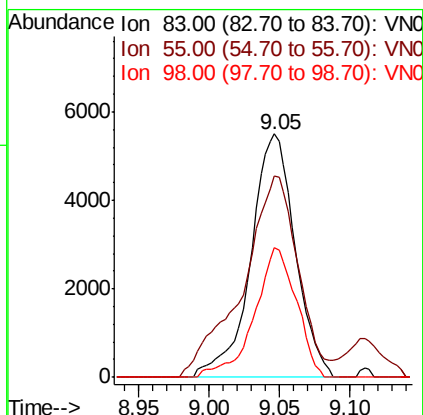
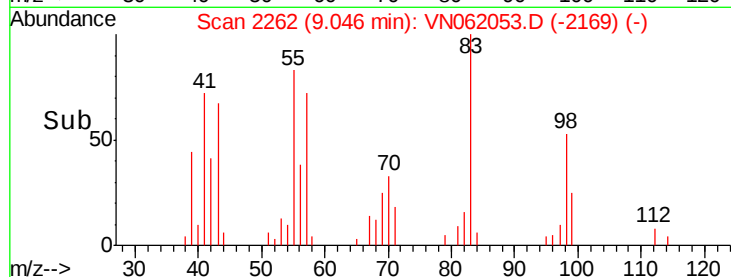
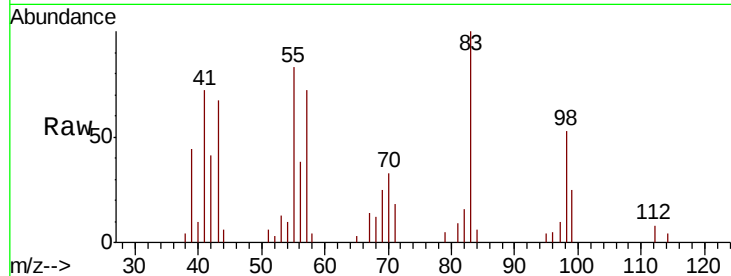




#39
Methvlcvclohexane
Concen: 4.532 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

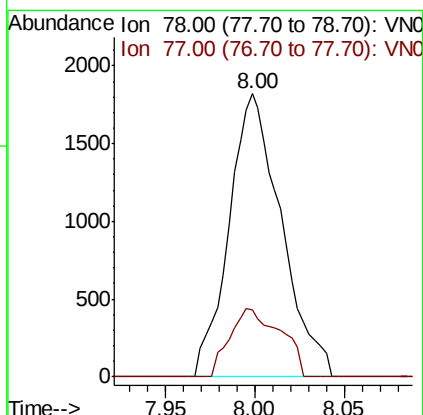
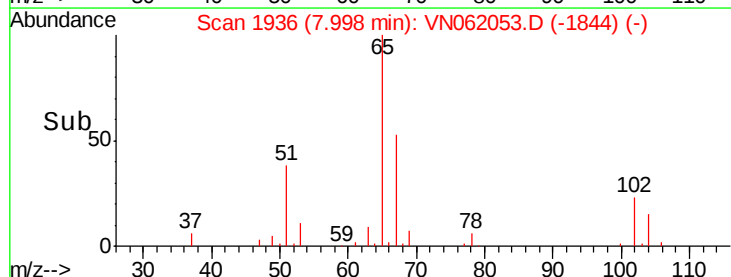
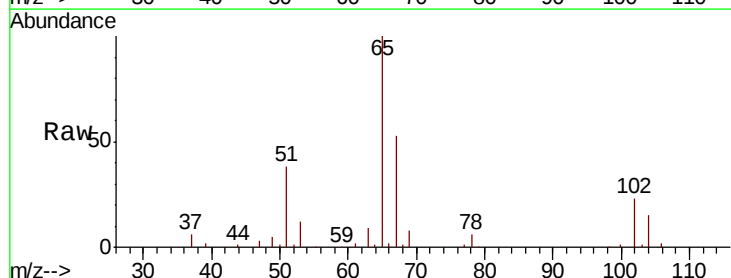
Instrument :
MSVOA_N
ClientSampleId :
TW-7DL

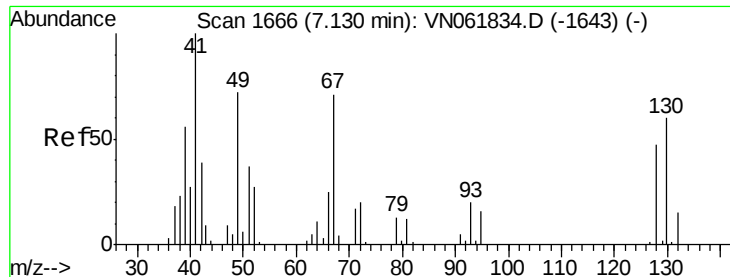
Tot Ion: 83 Resp: 12063
Ion Ratio Lower Upper
83 100
55 78.1 54.2 81.4
98 53.2 39.8 59.6



#40
Benzene
Concen: 0.496 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion: 78 Resp: 3712
Ion Ratio Lower Upper
78 100
77 23.7 19.7 29.5





#41

Methacrylonitrile

Concen: 0.876 ug/l

RT: 7.28 min Scan# 1713

Delta R.T. 0.15 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

TW-7DL

Tot Ion: 41 Resp: 723

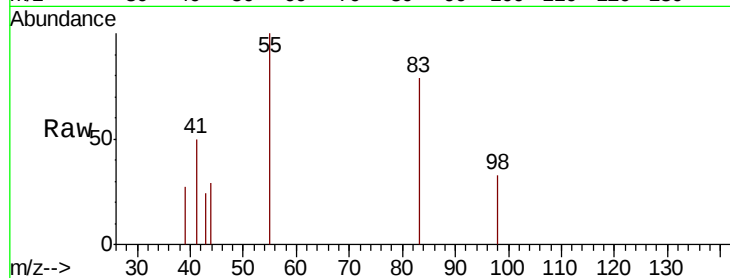
Ion Ratio Lower Upper

41 100

39 45.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

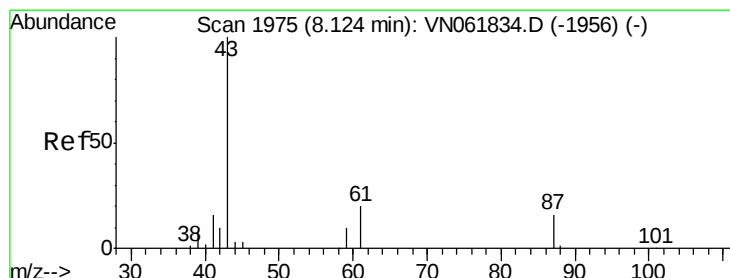
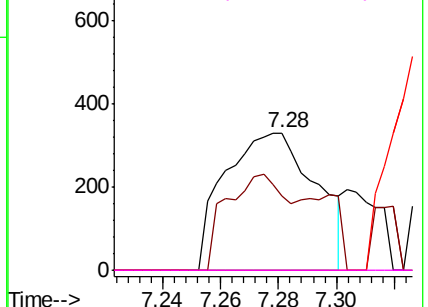
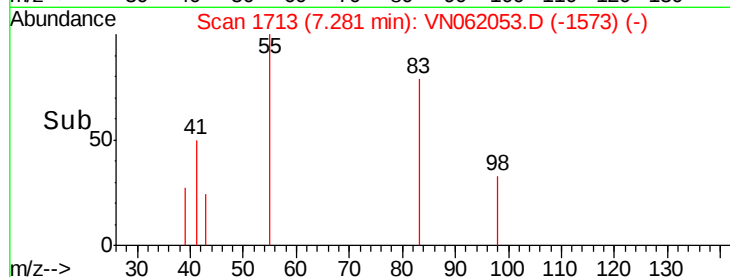


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#43

Isopropyl Acetate

Concen: 0.589 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.02 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

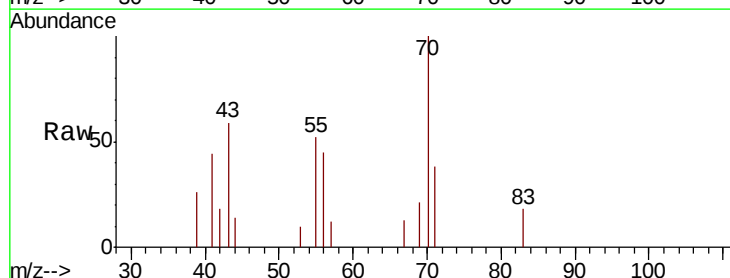
Tgt Ion: 43 Resp: 1917

Ion Ratio Lower Upper

43 100

61 0.0 24.0 36.0#

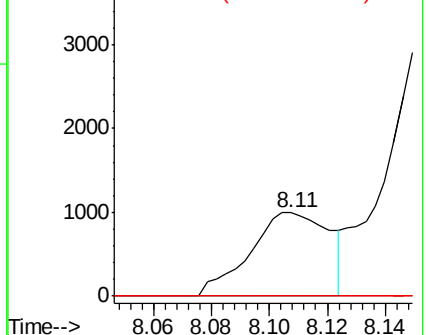
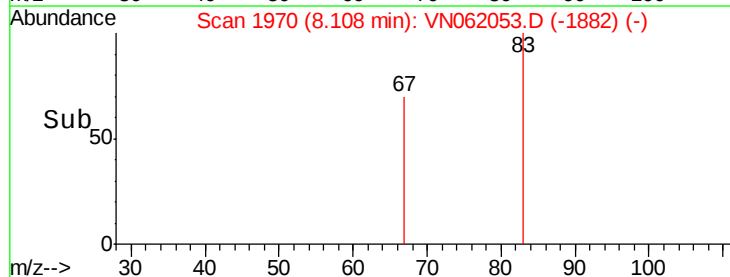
87 0.0 12.5 18.7#

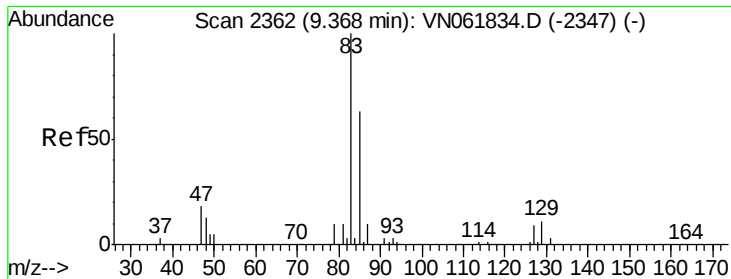


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#47

Bromodichloromethane

Concen: 0.909 ug/l

RT: 9.36 min Scan# 2358

Delta R.T. -0.01 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

TW-7DL

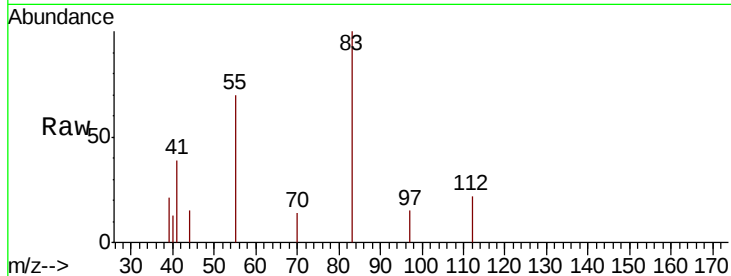
Tot Ion: 83 Resp: 2411

Ion Ratio Lower Upper

83 100

85 0.0 50.8 76.2#

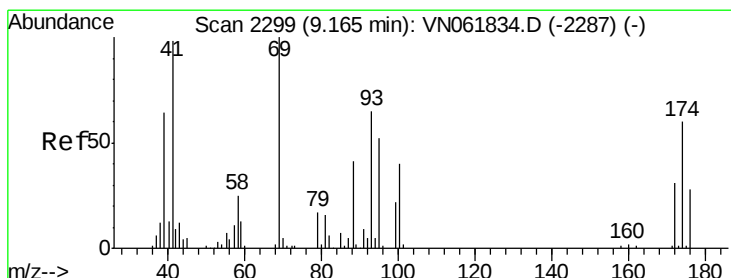
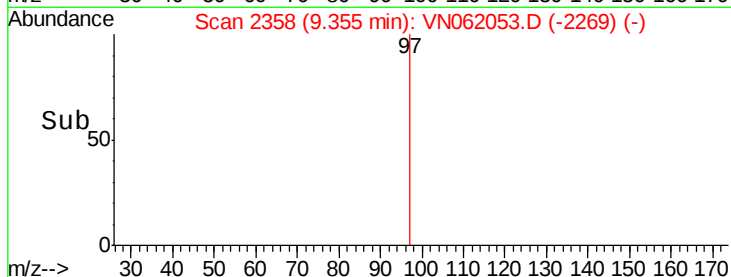
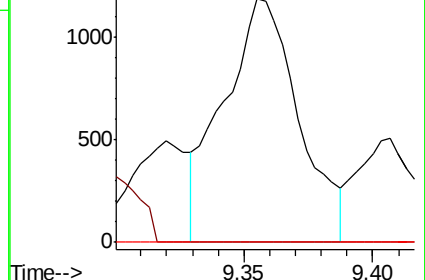
127 0.0 7.0 10.4#



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: 1.117 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.03 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

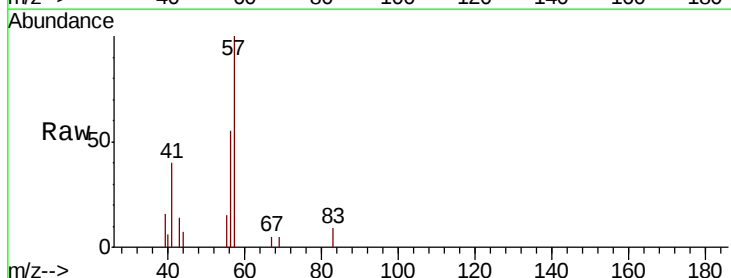
Tgt Ion: 41 Resp: 1652

Ion Ratio Lower Upper

41 100

69 0.0 83.0 124.4#

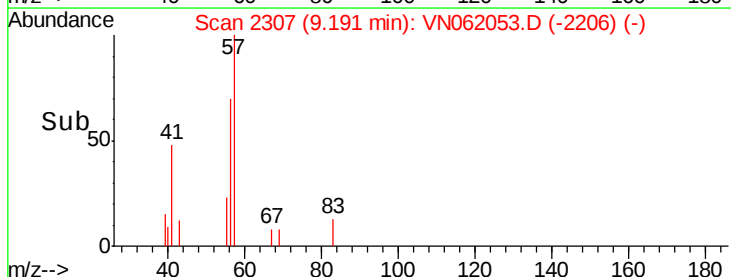
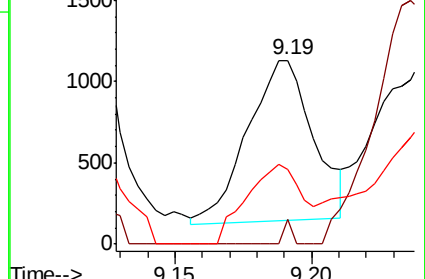
39 42.1 55.1 82.7#

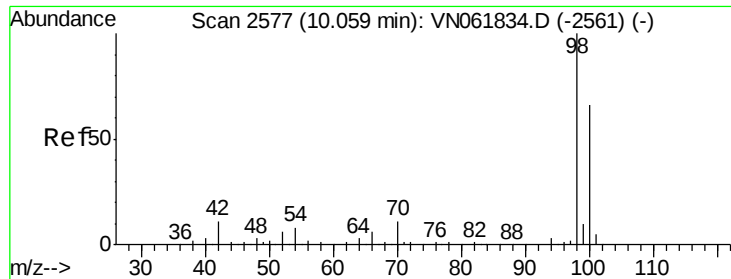


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 50.779 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

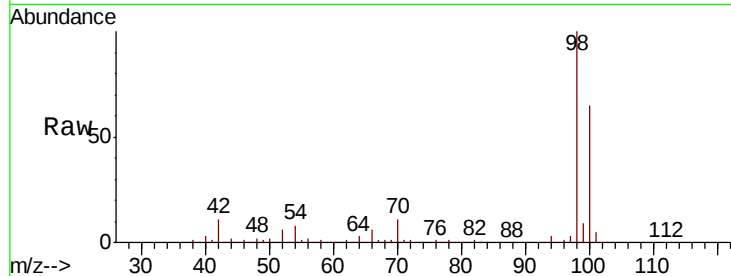
TW-7DL

Tot Ion: 98 Resp: 346122

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

200000

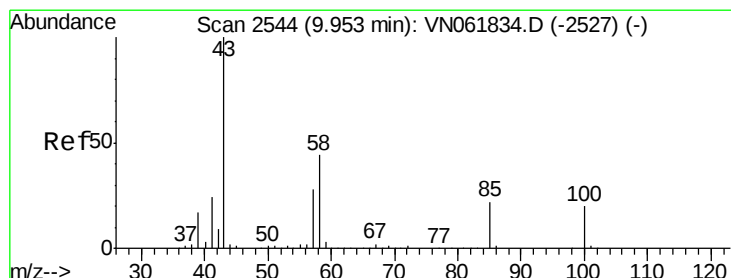
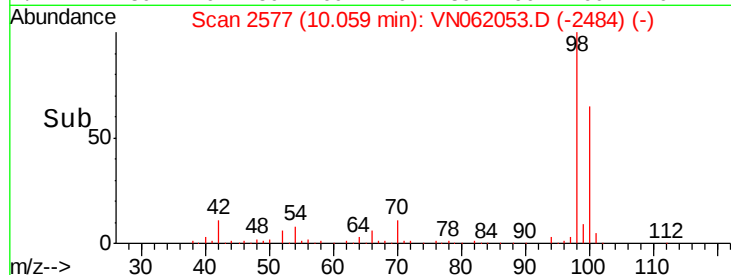
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.495 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.04 min

Lab File: VN062053.D

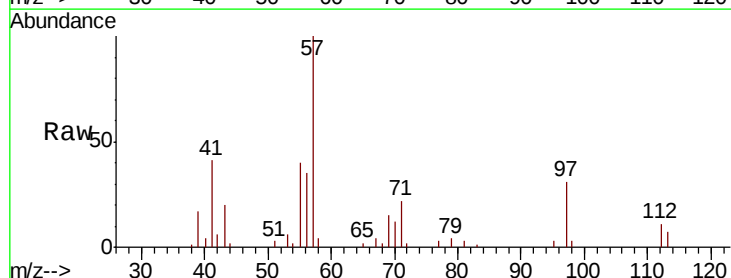
Acq: 23 Jun 2020 19:50

Tgt Ion: 43 Resp: 4796

Ion Ratio Lower Upper

43 100

58 12.6 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

9.99

2500

2000

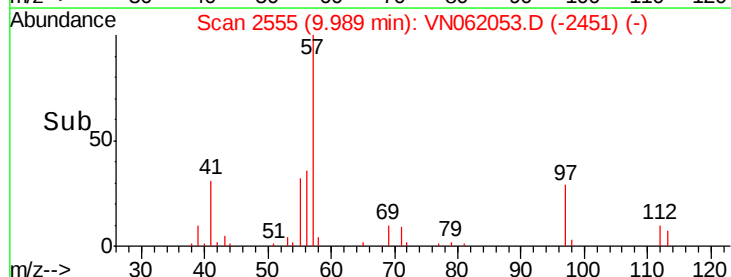
1500

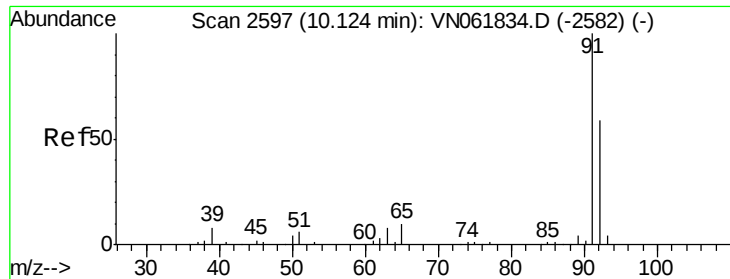
1000

500

0

Time-->





#52

Toluene

Concen: 0.752 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

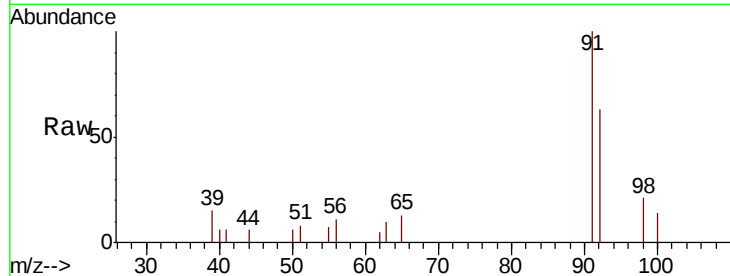
TW-7DL

Tot Ion: 92 Resp: 3537

Ion Ratio Lower Upper

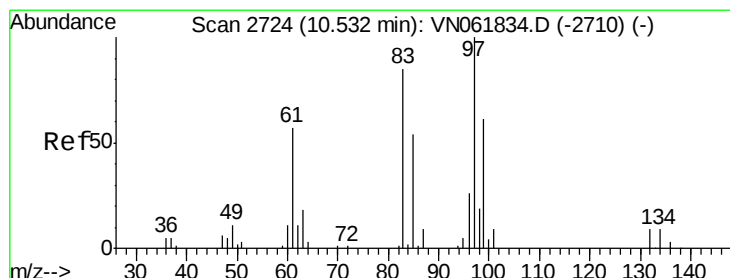
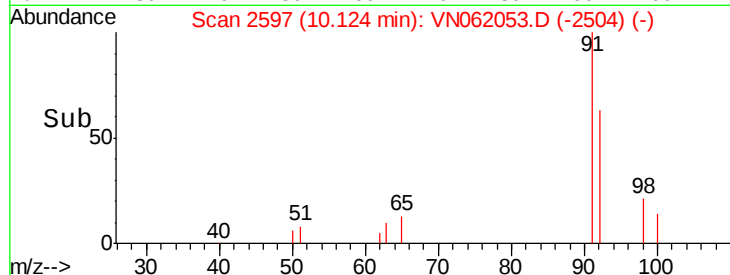
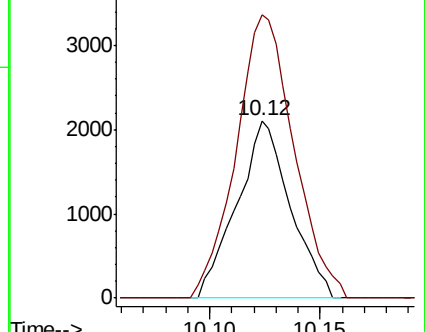
92 100

91 172.6 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)



#55

1,1,2-Trichloroethane

Concen: 1.098 ug/l

RT: 10.51 min Scan# 2716

Delta R.T. -0.03 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Tgt Ion: 97 Resp: 2032

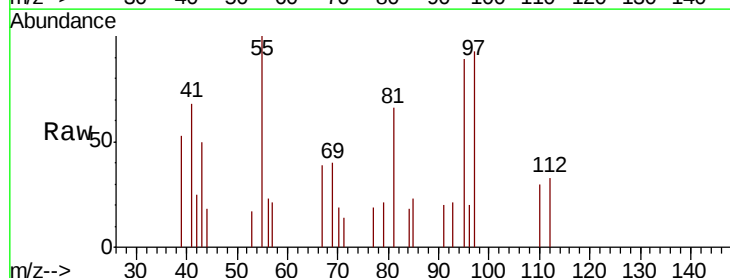
Ion Ratio Lower Upper

97 100

83 0.0 67.7 101.5#

85 24.7 43.4 65.0#

99 0.0 48.8 73.2#

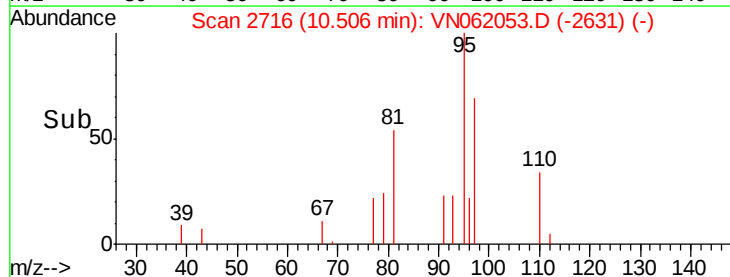
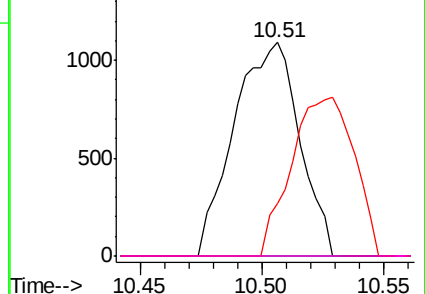


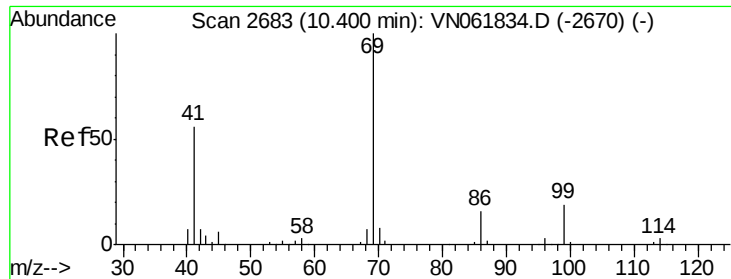
Abundance Ion 96.90 (96.60 to 97.60): VN061834.D (-2710) (-)

Ion 82.90 (82.60 to 83.60): VN061834.D (-2710) (-)

Ion 84.90 (84.60 to 85.60): VN061834.D (-2710) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-2710) (-)





#56

Ethyl methacrylate

Concen: 3.081 ug/l

RT: 10.41 min Scan# 2686

Delta R.T. 0.01 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

TW-7DL

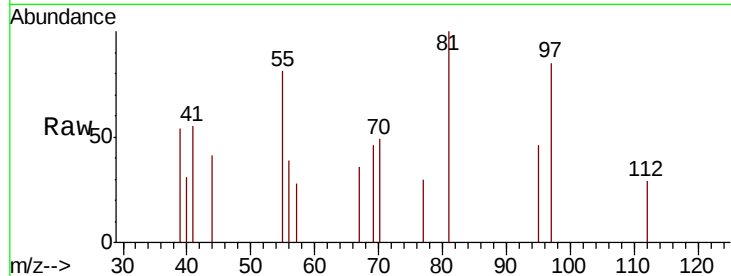
Tot Ion: 69 Resp: 535

Ion Ratio Lower Upper

69 100

41 48.2 44.9 67.3

39 50.5 30.0 45.0#

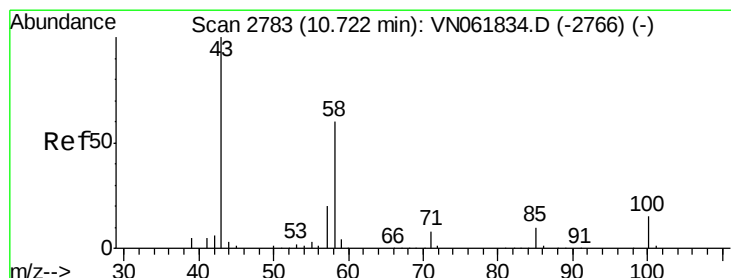
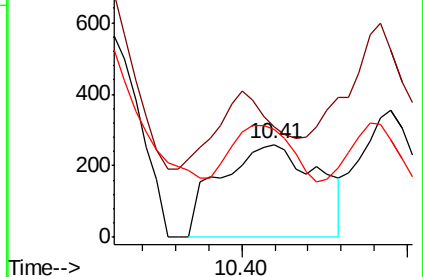
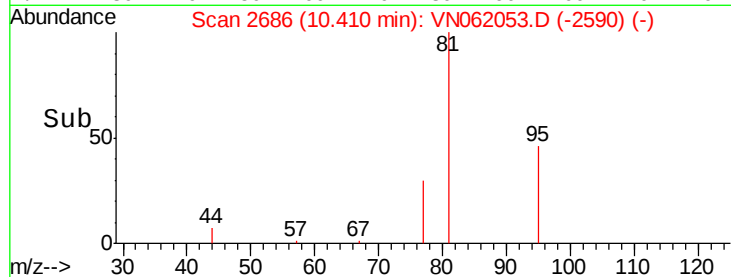


Abundance Ion 69.00 (68.70 to 69.70): VN061834.D (-2670) (-)

Ion 41.00 (40.70 to 41.70): VN061834.D (-2670) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-2670) (-)

Time-->



#59

2-Hexanone

Concen: 13.465 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062053.D

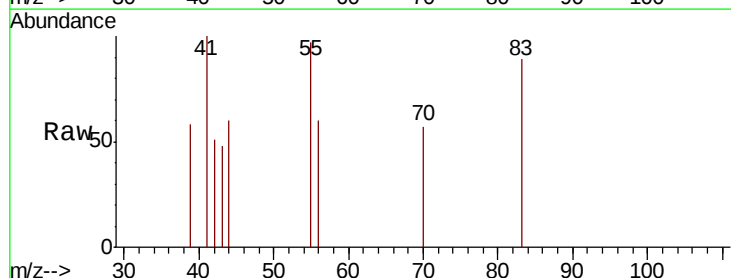
Acq: 23 Jun 2020 19:50

Tgt Ion: 43 Resp: 94

Ion Ratio Lower Upper

43 100

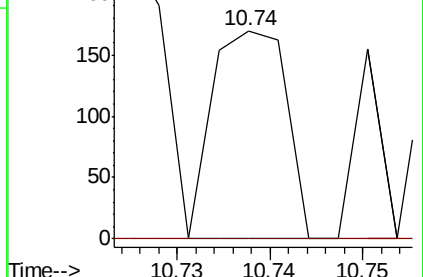
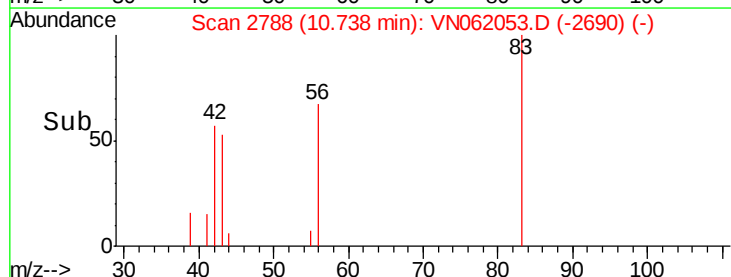
58 0.0 30.1 90.5#

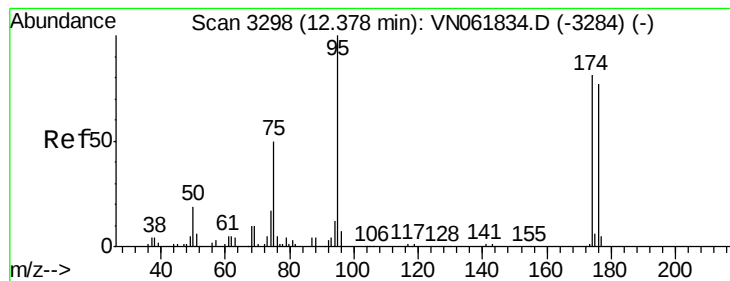


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2766) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2766) (-)

Time-->





#62

4-Bromofluorobenzene

Concen: 53.468 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

TW-7DL

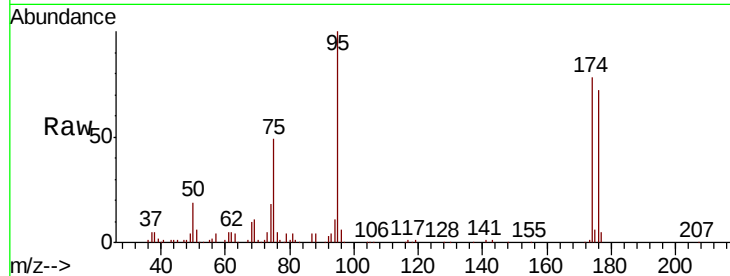
Tot Ion: 95 Resp: 125013

Ion Ratio Lower Upper

95 100

174 76.3 0.0 158.6

176 72.6 0.0 152.0



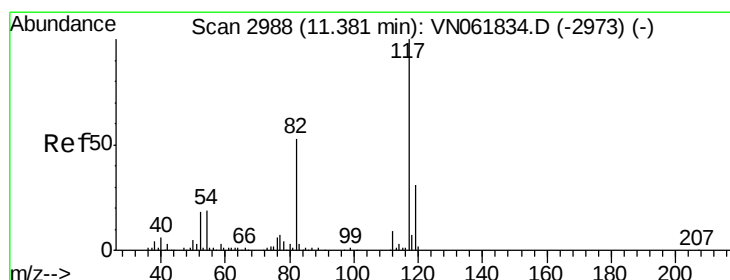
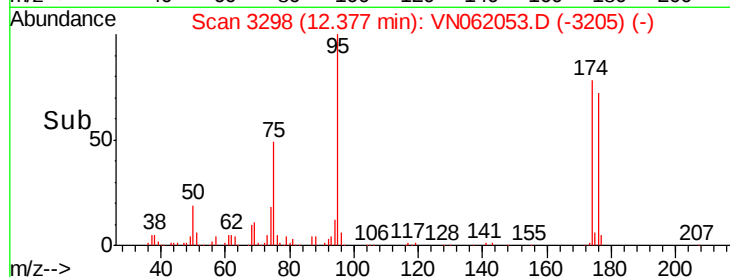
Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

12.38

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

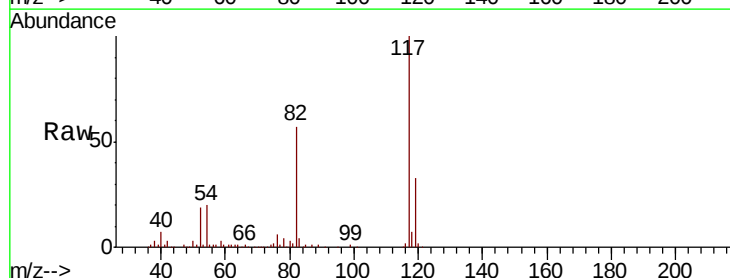
Tgt Ion: 117 Resp: 260000

Ion Ratio Lower Upper

117 100

82 56.8 42.6 64.0

119 33.3 24.7 37.1



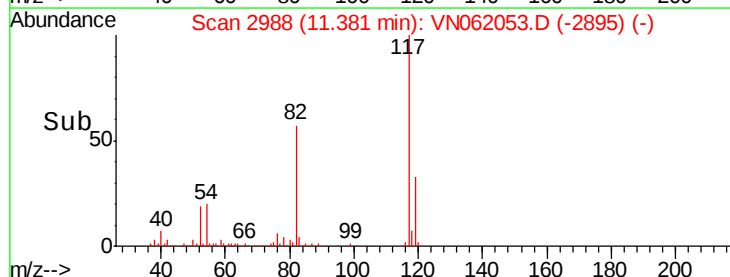
Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

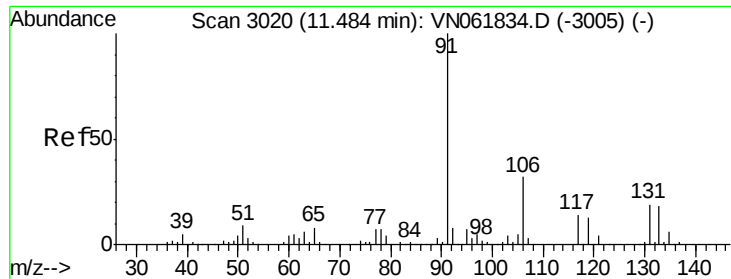
Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)

11.38

Time-->

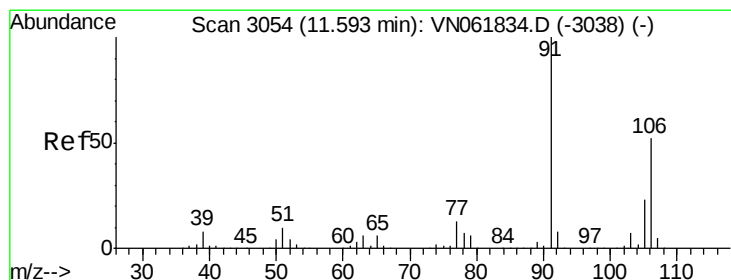
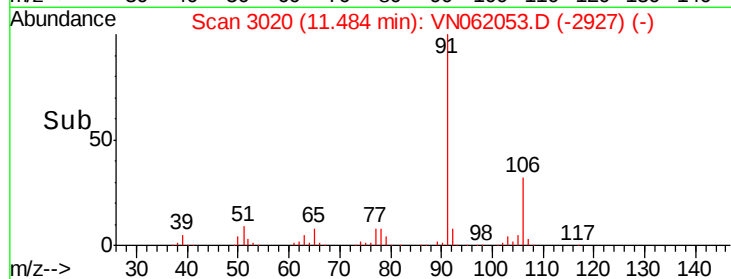
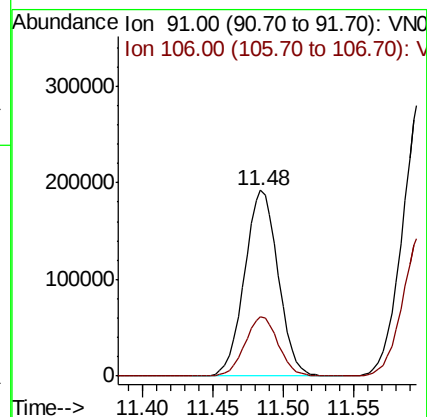
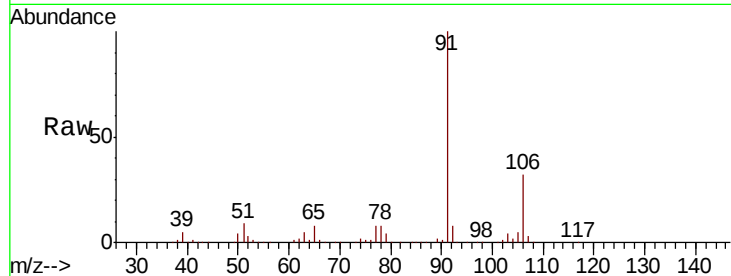




#67
Ethyl Benzene
Concen: 35.008 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

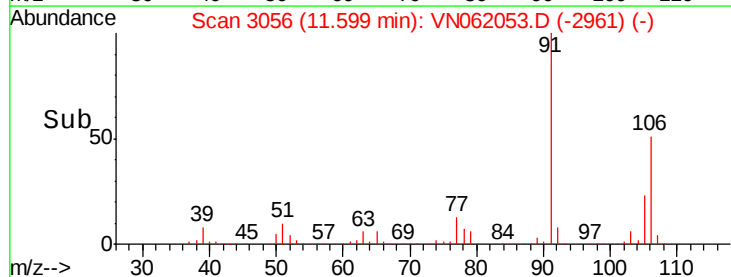
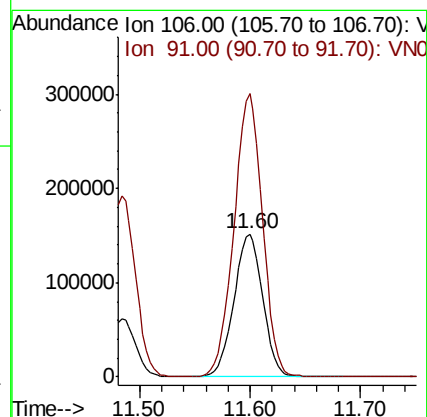
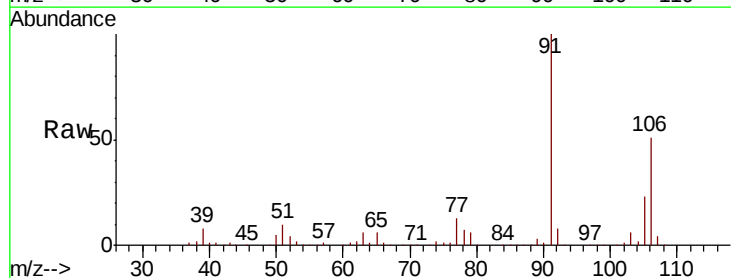
Instrument :
MSVOA_N
ClientSampled :
TW-7DL

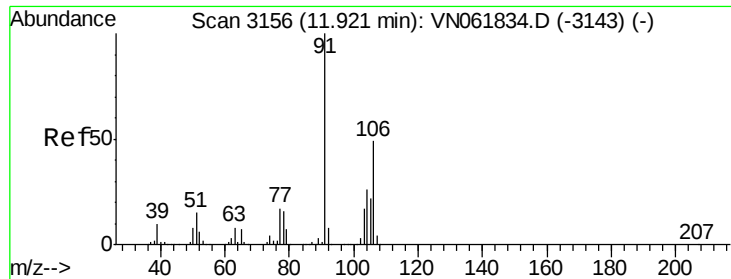
Tot Ion: 91 Resp: 322018
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 77.312 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.01 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion: 106 Resp: 274217
Ion Ratio Lower Upper
106 100
91 196.7 157.0 235.6

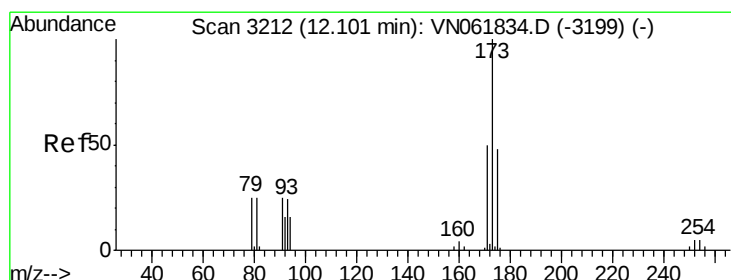
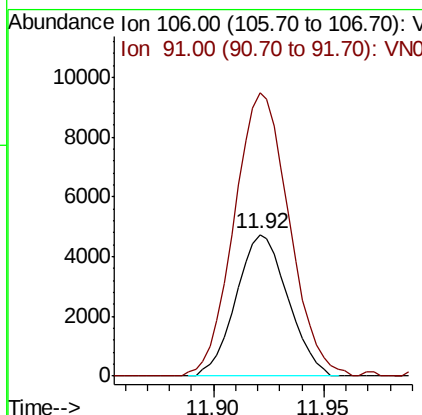
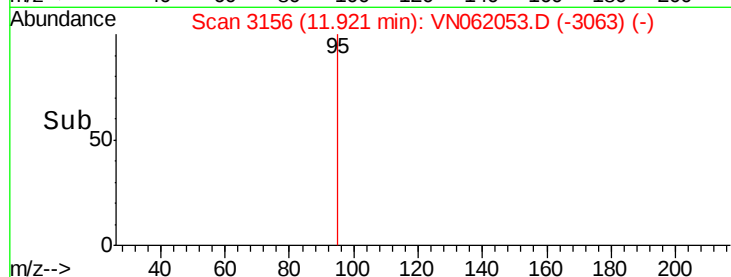
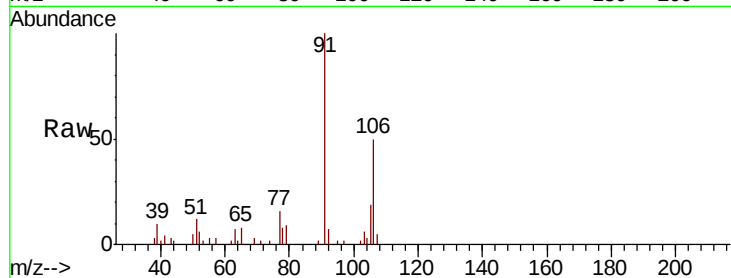




#69
o-Xylene
Concen: 2.272 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

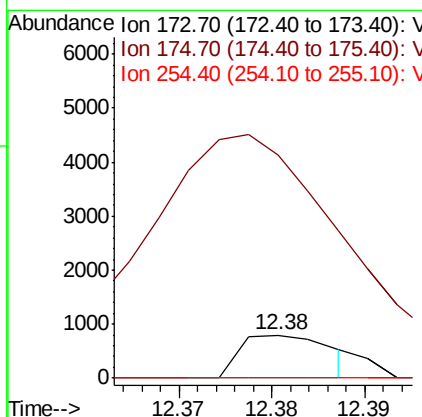
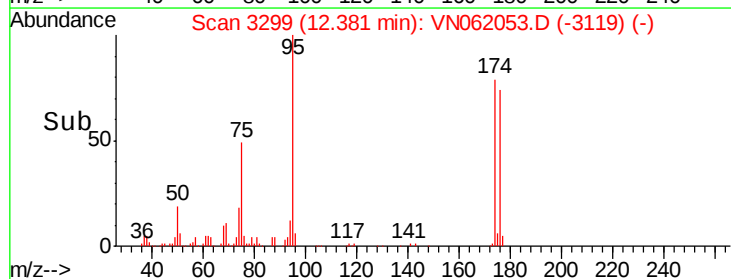
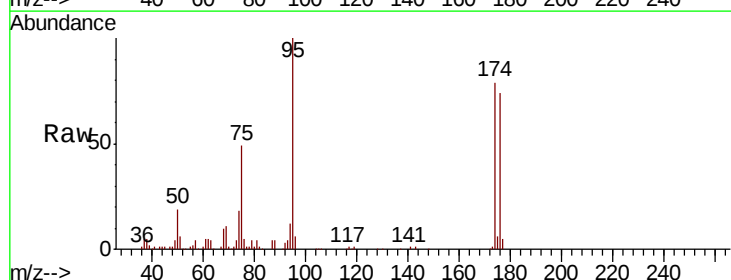
Instrument :
MSVOA_N
ClientSampled :
TW-7DL

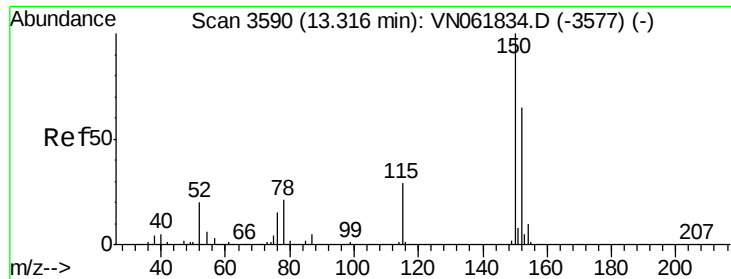
Tot Ion:106 Resp: 7690
Ion Ratio Lower Upper
106 100
91 213.2 103.0 308.9



#71
Bromoform
Concen: 0.388 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion:173 Resp: 542
Ion Ratio Lower Upper
173 100
175 1122.7 23.9 71.7#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

TW-7DL

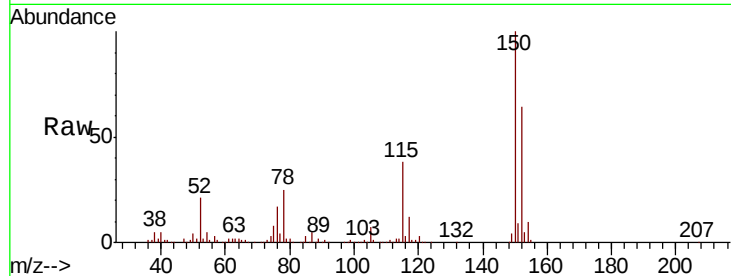
Tot Ion:152 Resp: 123351

Ion Ratio Lower Upper

152 100

115 63.0 29.1 87.3

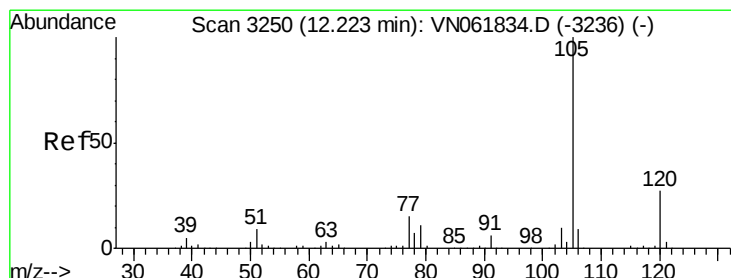
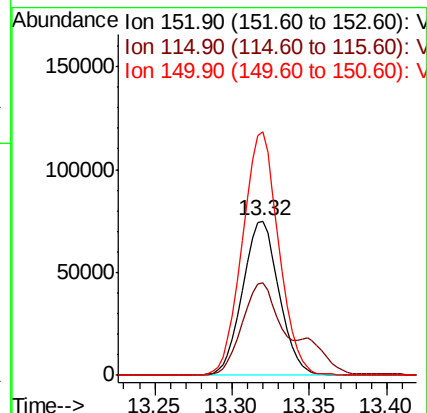
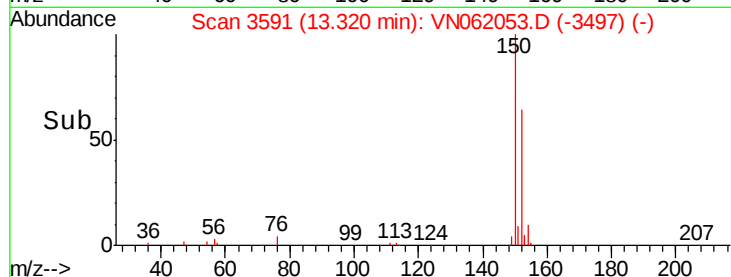
150 157.0 0.0 347.6



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: 55.075 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062053.D

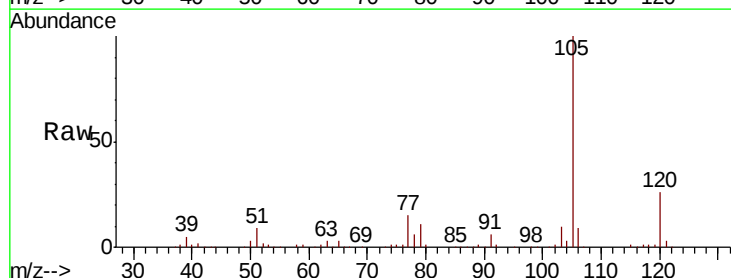
Acq: 23 Jun 2020 19:50

Tgt Ion:105 Resp: 482761

Ion Ratio Lower Upper

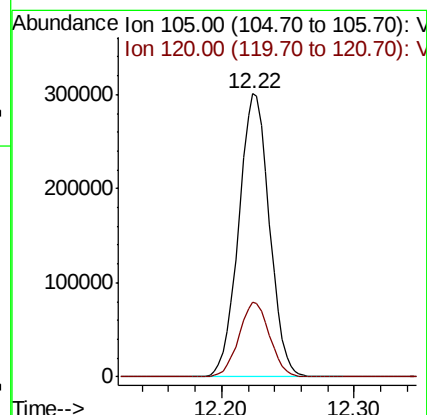
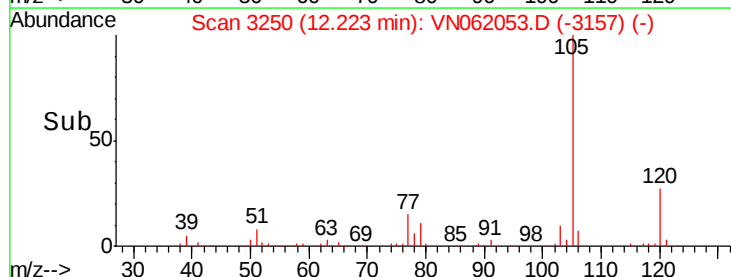
105 100

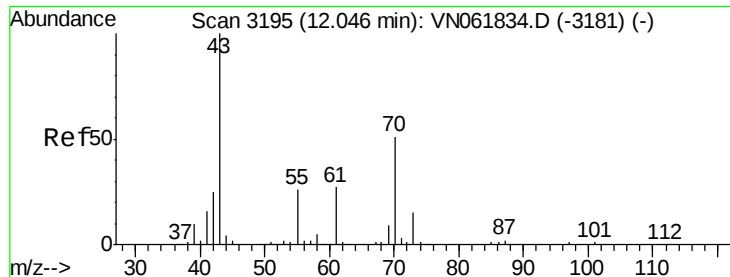
120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.253 ug/l

RT: 12.02 min Scan# 3186

Delta R.T. -0.03 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

TW-7DL

Tot Ion: 43 Resp: 637

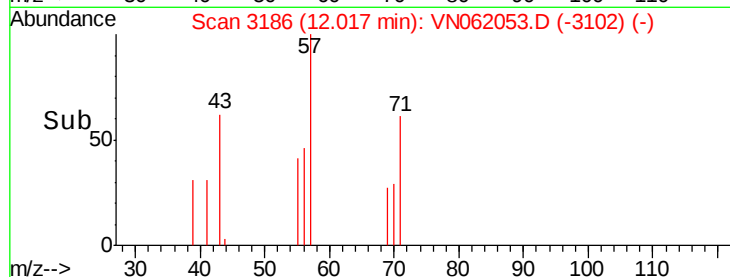
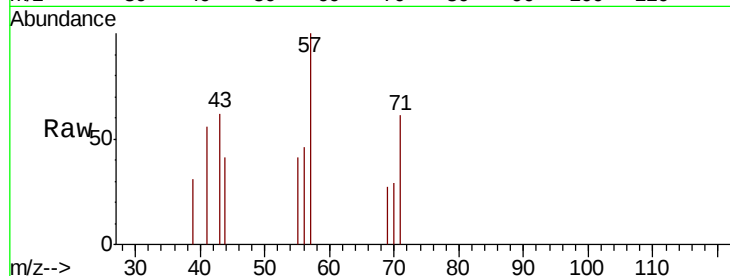
Ion Ratio Lower Upper

43 100

70 36.9 40.6 60.8#

55 21.7 21.5 32.3

61 0.0 21.6 32.4#

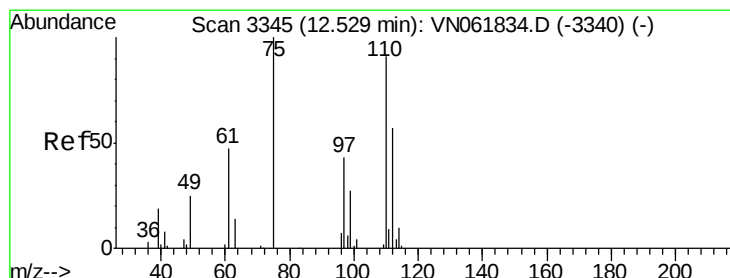
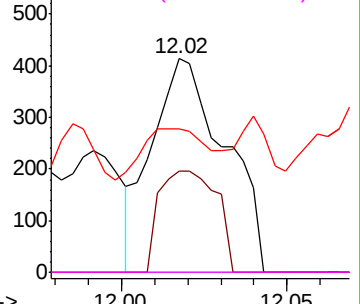


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 1.707 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.04 min

Lab File: VN062053.D

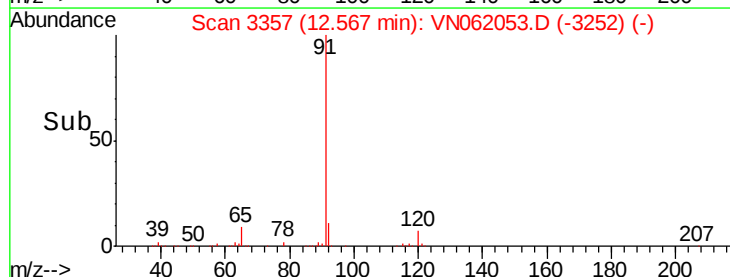
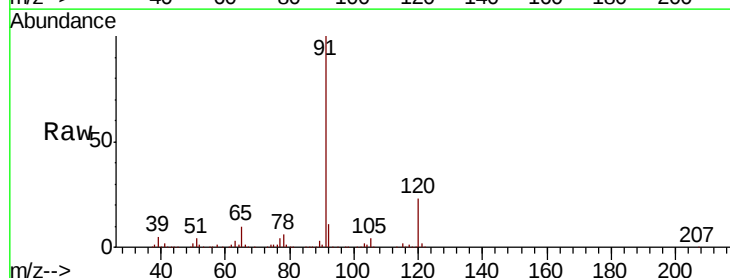
Acq: 23 Jun 2020 19:50

Tgt Ion: 75 Resp: 4134

Ion Ratio Lower Upper

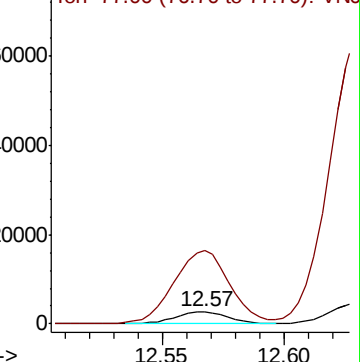
75 100

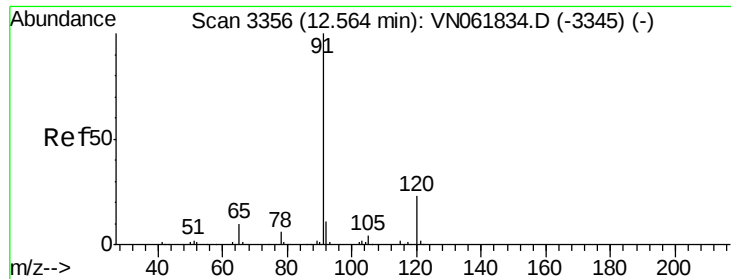
77 634.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 68.911 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

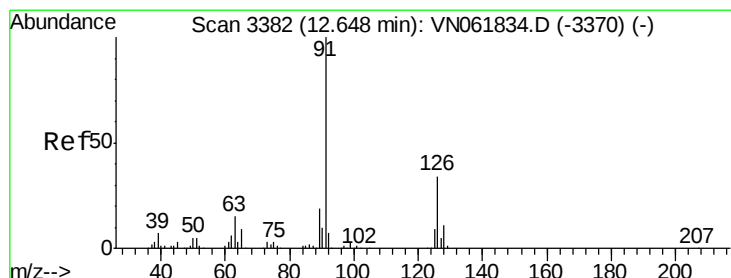
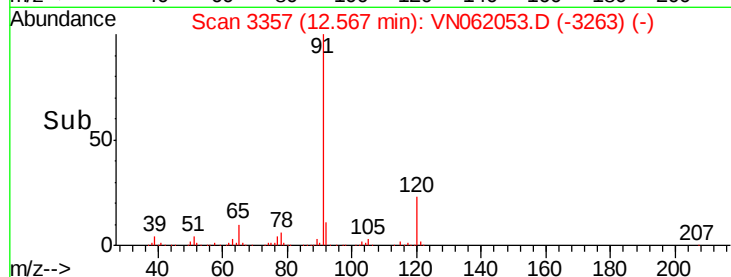
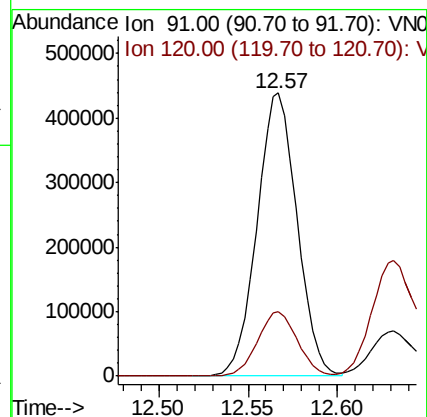
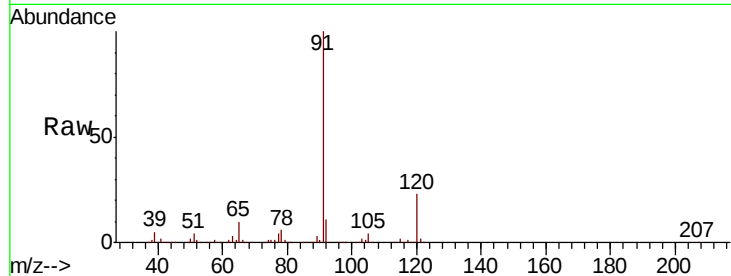
TW-7DL

Tot Ion: 91 Resp: 689237

Ion Ratio Lower Upper

91 100

120 22.6 11.6 34.8



#79

2-Chlorotoluene

Concen: 12.636 ug/l

RT: 12.66 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VN062053.D

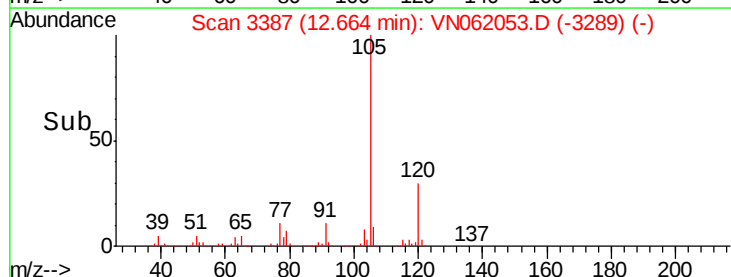
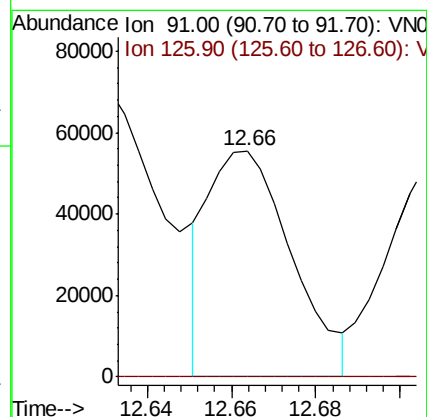
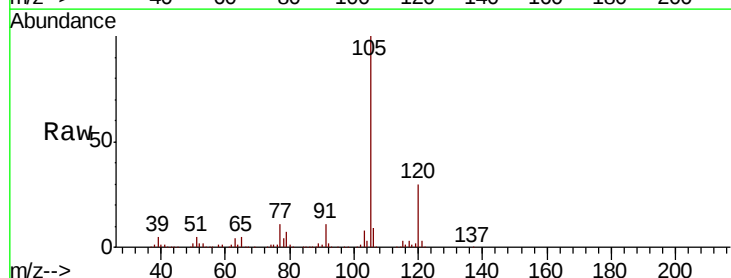
Acq: 23 Jun 2020 19:50

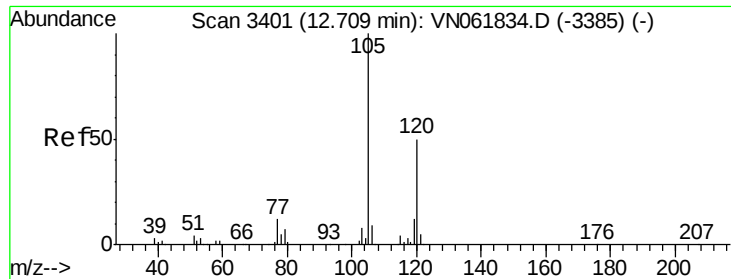
Tgt Ion: 91 Resp: 75903

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.7#

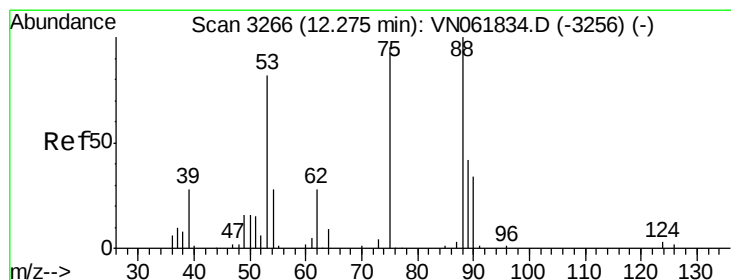
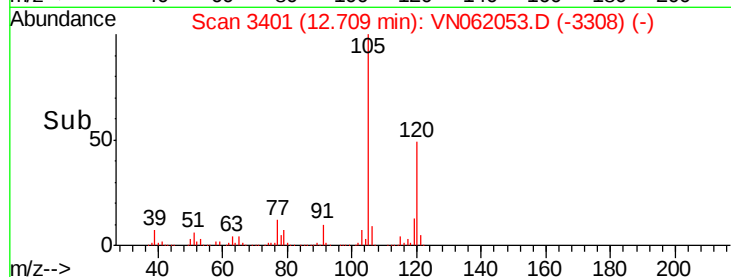
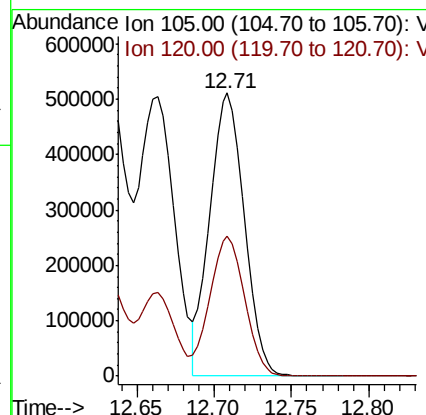
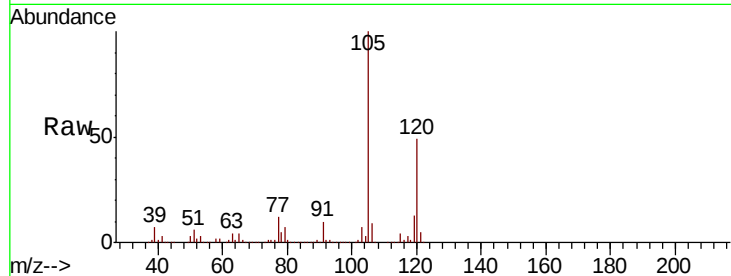




#80
 1,3,5-Trimethylbenzene
 Concen: 109.555 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

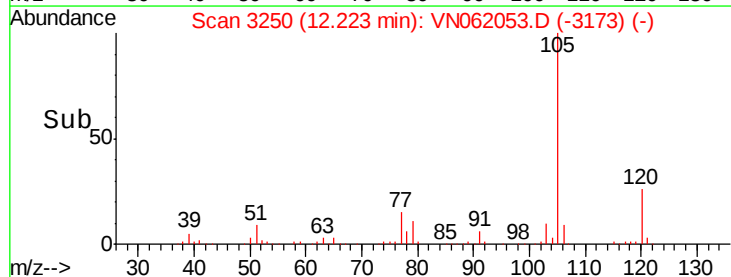
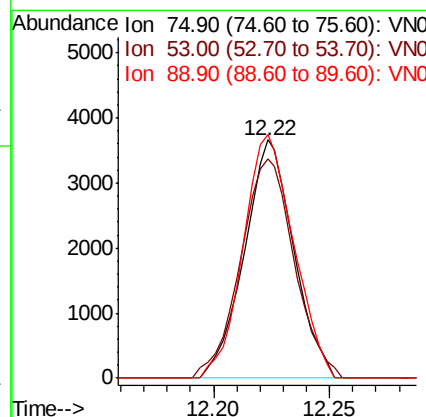
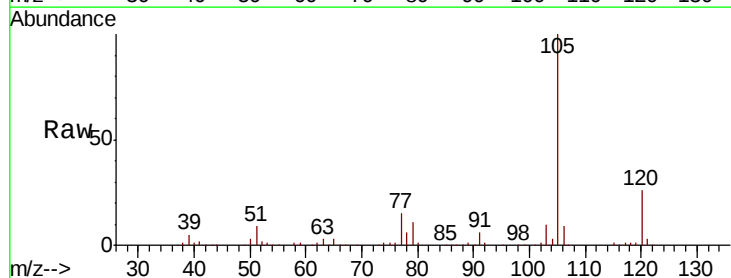
Instrument :
 MSVOA_N
 ClientSampled :
 TW-7DL

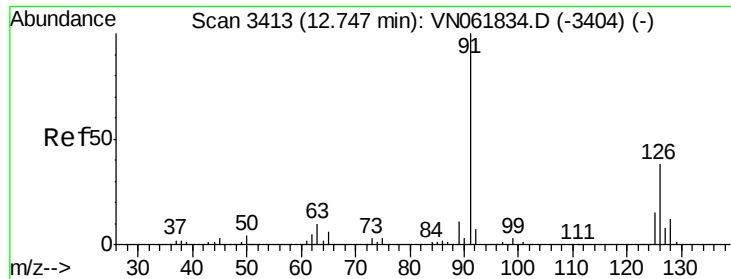
Tot Ion:105 Resp: 794479
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 6.087 ug/l
 RT: 12.22 min Scan# 3250
 Delta R.T. -0.05 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

Tgt Ion: 75 Resp: 5405
 Ion Ratio Lower Upper
 75 100
 53 100.2 70.4 105.6
 89 104.8 36.0 54.0#





#82

4-Chlorotoluene

Concen: 13.366 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.04 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

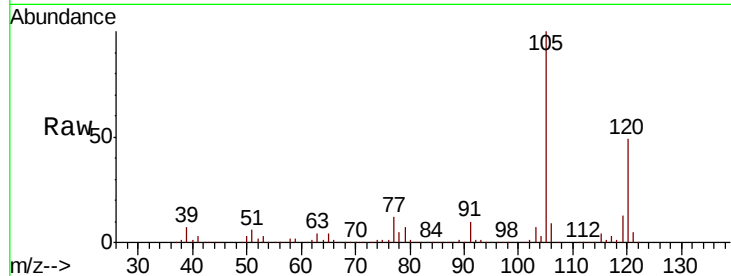
TW-7DL

Tot Ion: 91 Resp: 82965

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN061834.D (-3404) (-)

80000

60000

40000

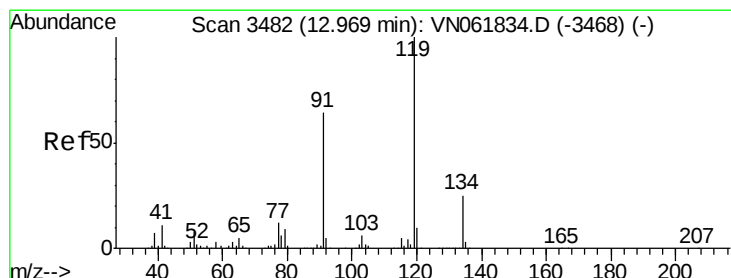
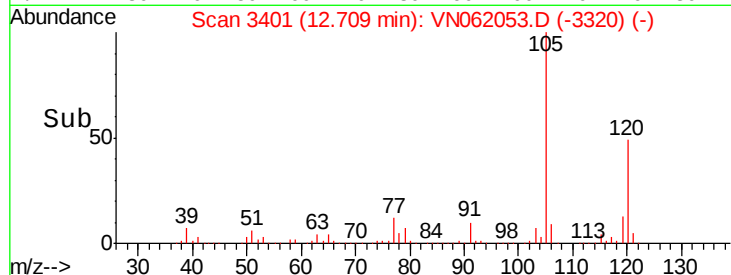
20000

0

12.70

12.80

Time-->



#83

tert-Butylbenzene

Concen: 56.752 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.05 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

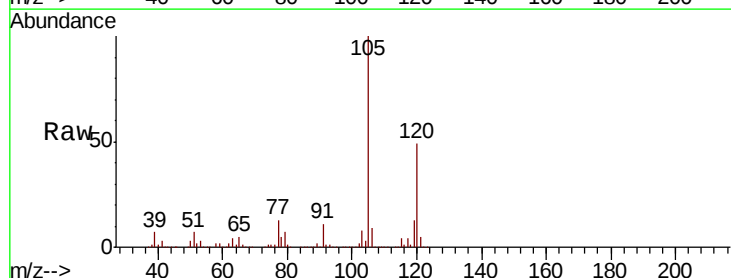
Tgt Ion: 119 Resp: 348909

Ion Ratio Lower Upper

119 100

91 85.5 31.5 94.5

134 0.0 13.3 39.9#



Abundance Ion 119.00 (118.70 to 119.70): VN061834.D (-3468) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-3468) (-)

Ion 134.00 (133.70 to 134.70): VN061834.D (-3468) (-)

300000

250000

200000

150000

100000

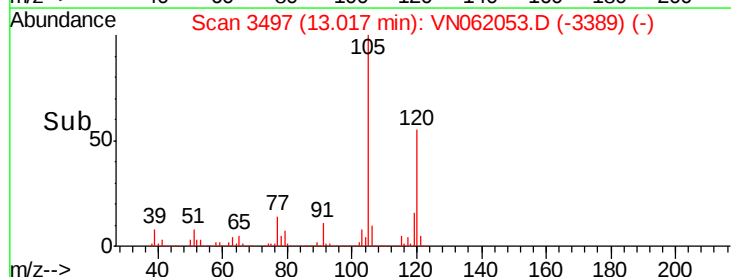
50000

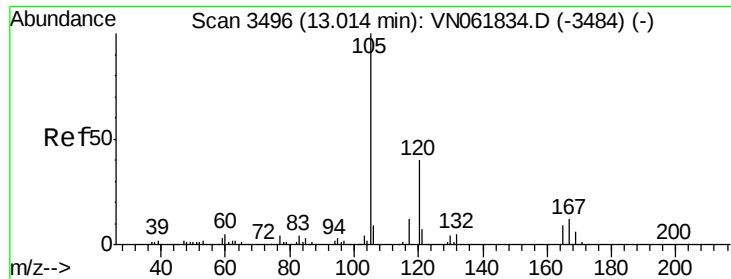
0

13.02

13.10

Time-->

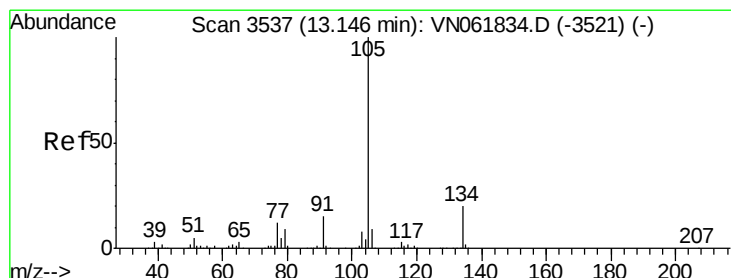
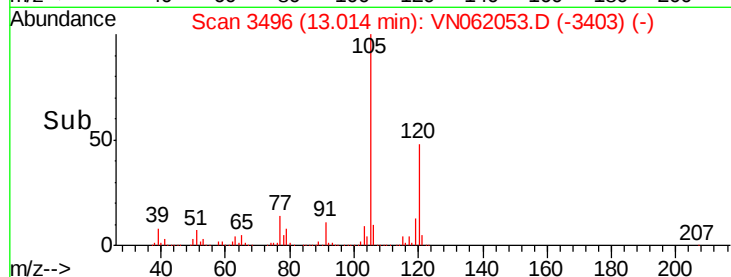
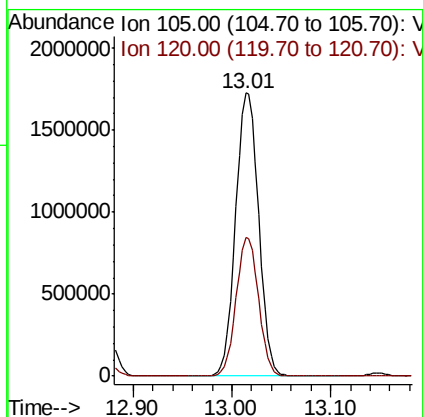
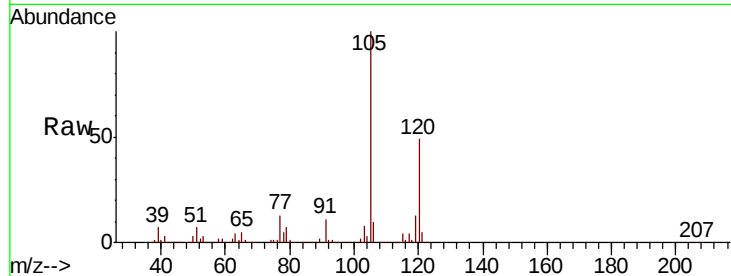




#84
 1,2,4-Trimethylbenzene
 Concen: 390.958 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

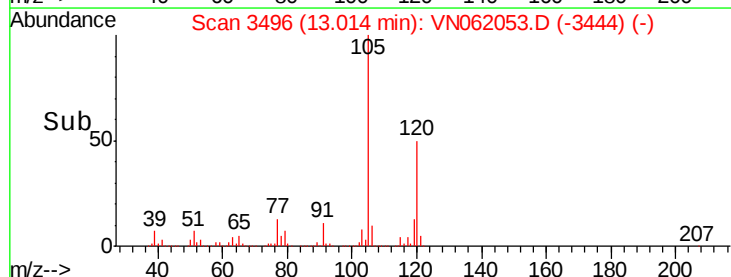
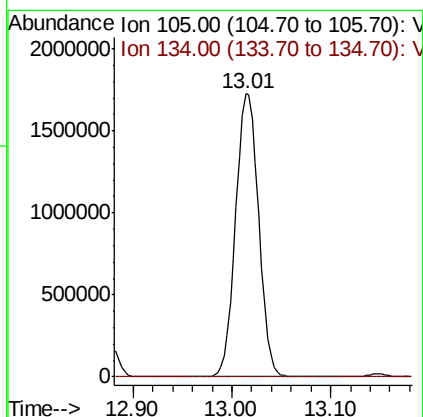
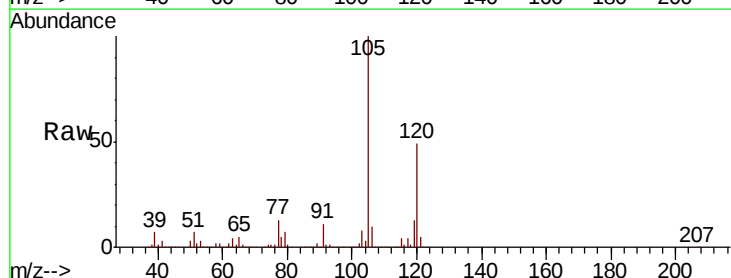
Instrument :
 MSVOA_N
 ClientSampled :
 TW-7DL

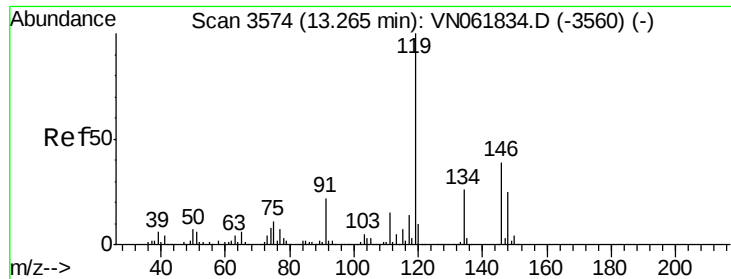
Tot Ion:105 Resp: 2798697
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 347.796 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.13 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

Tgt Ion:105 Resp: 2798697
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#





#86

p-Isopropyltoluene

Concen: 3.956 ug/l

RT: 13.21 min Scan# 3557

Delta R.T. -0.05 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

TW-7DL

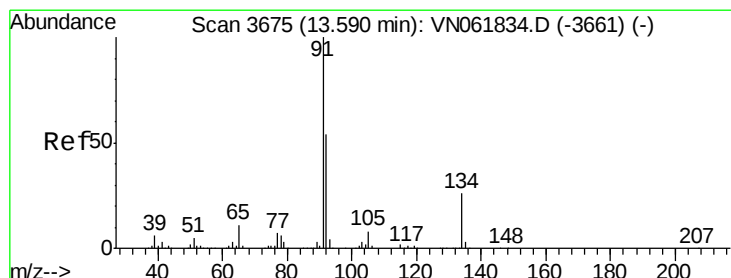
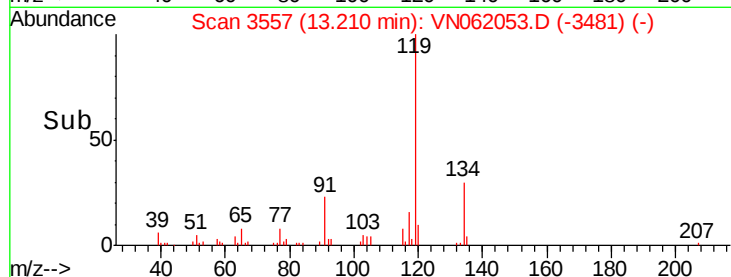
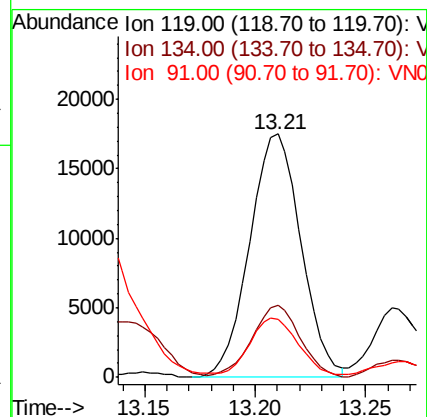
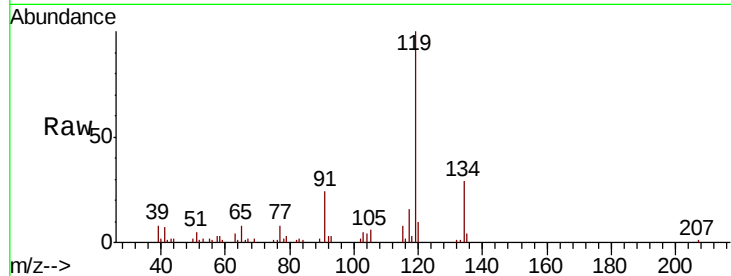
Tot Ion:119 Resp: 28369

Ion Ratio Lower Upper

119 100

134 27.8 13.3 39.9

91 0.0 11.2 33.6#



#89

n-Butylbenzene

Concen: 5.102 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

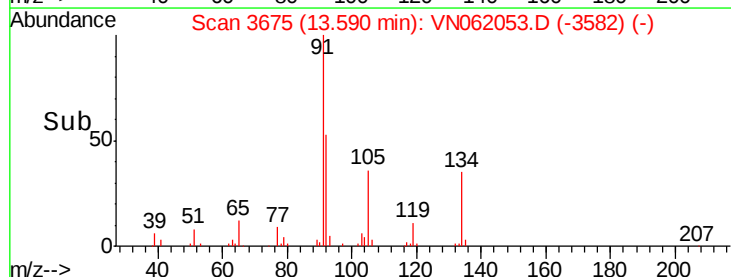
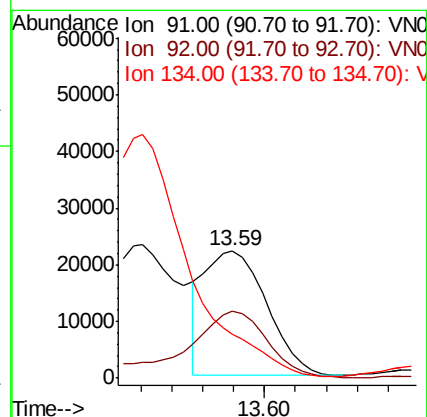
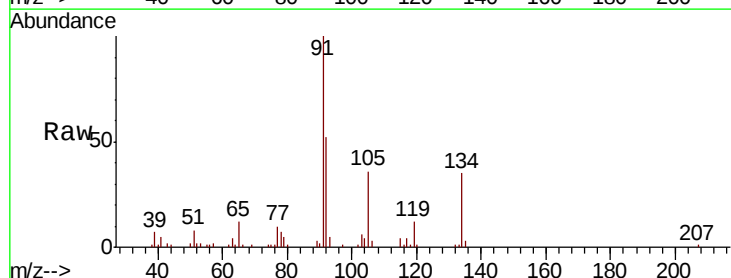
Tgt Ion: 91 Resp: 30552

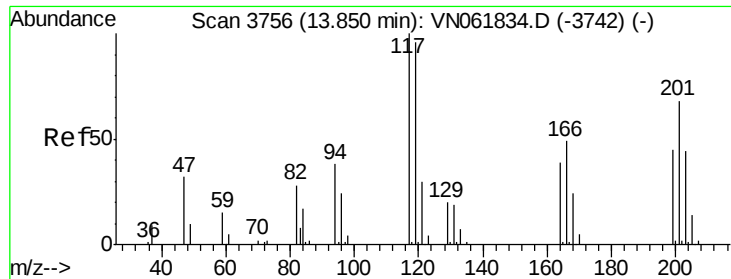
Ion Ratio Lower Upper

91 100

92 72.5 27.0 80.8

134 0.0 13.0 39.0#

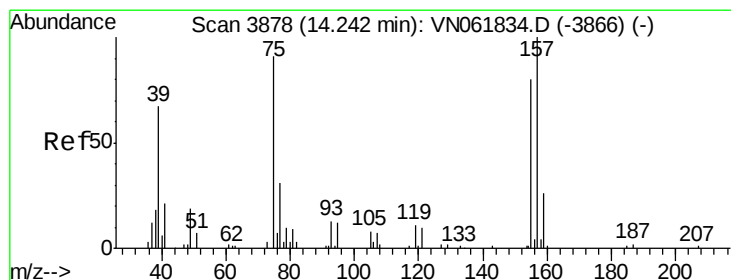
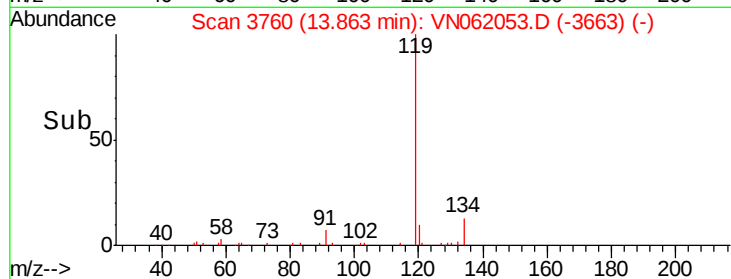
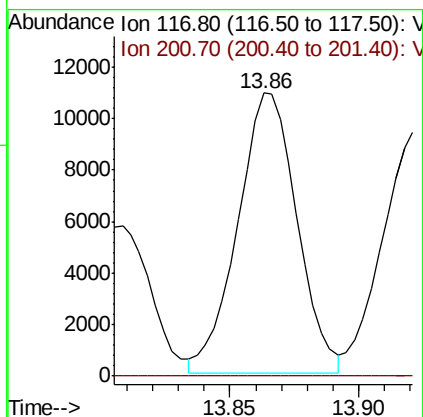
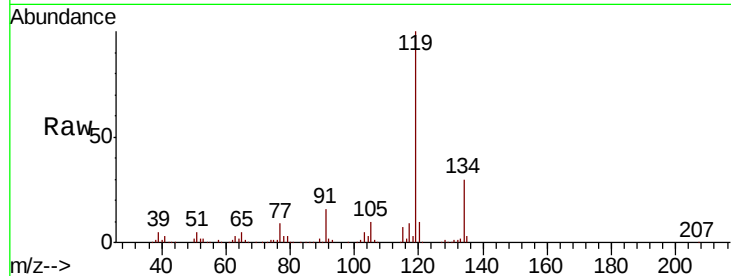




#90
Hexachloroethane
Concen: 13.270 ug/l
RT: 13.86 min Scan# 3760
Delta R.T. 0.01 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

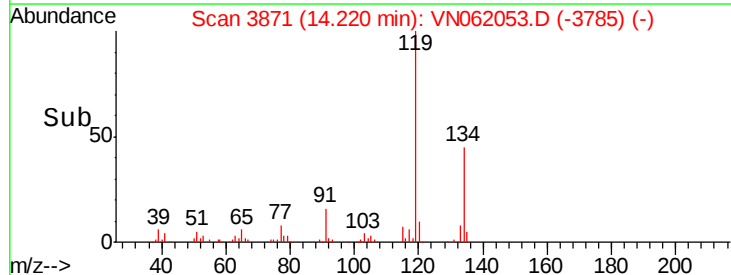
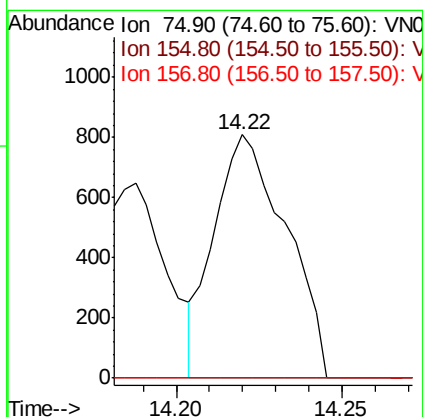
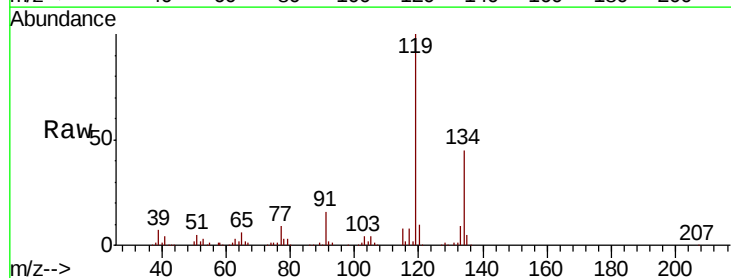
Instrument :
MSVOA_N
ClientSampleId :
TW-7DL

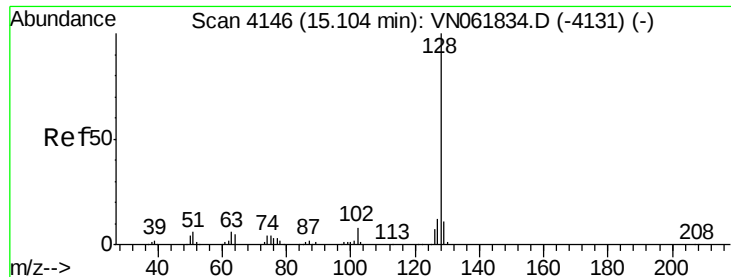
Tot Ion:117 Resp: 17418
Ion Ratio Lower Upper
117 100
201 0.0 34.6 103.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.643 ug/l
RT: 14.22 min Scan# 3871
Delta R.T. -0.02 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion: 75 Resp: 1223
Ion Ratio Lower Upper
75 100
155 0.0 44.4 133.2#
157 0.0 57.0 171.2#

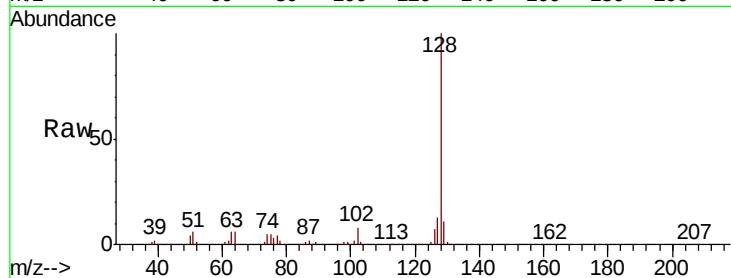




#95
Naphthalene
Concen: 37.241 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Instrument :
MSVOA_N
ClientSampleId :
TW-7DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.3	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

