

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062439.D
 Acq On : 9 Jul 2020 5:11
 Operator : JC/MD
 Sample : L3215-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Jul 09 05:31:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	203271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	358704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	341765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148382	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	151610	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.55	113	110751	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.06	98	471673	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
62) 4-Bromofluorobenzene	12.38	95	180762	56.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.02%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.74	59	951	1.834	ug/l #	74
13) Acrolein	3.53	56	279	0.746	ug/l #	1
14) Allyl chloride	4.36	41	2459	0.501	ug/l #	1
15) Acrylonitrile	5.00	53	2855	2.099	ug/l #	28
16) Acetone	3.77	43	15942	12.010	ug/l #	69
18) Methyl Acetate	4.49	43	42217	12.744	ug/l #	56
19) Methyl tert-butyl Ether	4.99	73	2900	0.367	ug/l #	1
25) 2-Butanone	6.78	43	8033	4.144	ug/l #	53
26) 2,2-Dichloropropane	6.59	77	1054	0.274	ug/l #	54
27) cis-1,2-Dichloroethene	6.79	96	684	0.261	ug/l	53
30) Chloroform	7.29	83	10216	2.259	ug/l #	18
31) Cyclohexane	7.61	56	102157	21.511	ug/l	90
36) 1,1-Dichloropropene	7.63	75	18123	5.015	ug/l #	53
37) Ethyl Acetate	6.78	43	8033	1.901	ug/l #	79
38) Carbon Tetrachloride	7.63	117	20594	6.339	ug/l #	15
39) Methylcyclohexane	9.05	83	113317	29.370	ug/l	92
40) Benzene	8.00	78	808695	75.927	ug/l	100
41) Methacrylonitrile	7.16	41	2339	1.325	ug/l #	26
43) Isopropyl Acetate	8.11	43	65409	9.798	ug/l #	57
44) Trichloroethene	8.80	130	2123	0.898	ug/l	85
45) 1,2-Dichloropropane	9.02	63	1397	0.452	ug/l #	1
46) Dibromomethane	9.13	93	665	0.381	ug/l #	1
47) Bromodichloromethane	9.35	83	18355	4.920	ug/l #	25
48) Methyl methacrylate	9.19	41	6922	2.114	ug/l #	33
51) 4-Methyl-2-Pentanone	10.05	43	12640	3.170	ug/l	99
52) Toluene	10.12	92	151319	24.596	ug/l	99
55) 1,1,2-Trichloroethane	10.50	97	80855	33.416	ug/l #	18
56) Ethyl methacrylate	10.40	69	6484	3.118	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.63	63	532	0.371	ug/l #	54
59) 2-Hexanone	10.73	43	1166	0.403	ug/l	83
60) Dibromochloromethane	10.60	129	1141	0.435	ug/l #	11
61) 1,2-Dibromoethane	10.95	107	573	0.235	ug/l #	1
64) Tetrachloroethene	10.60	164	1312	0.647	ug/l #	80
65) Chlorobenzene	11.56	112	5715	0.860	ug/l #	42

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

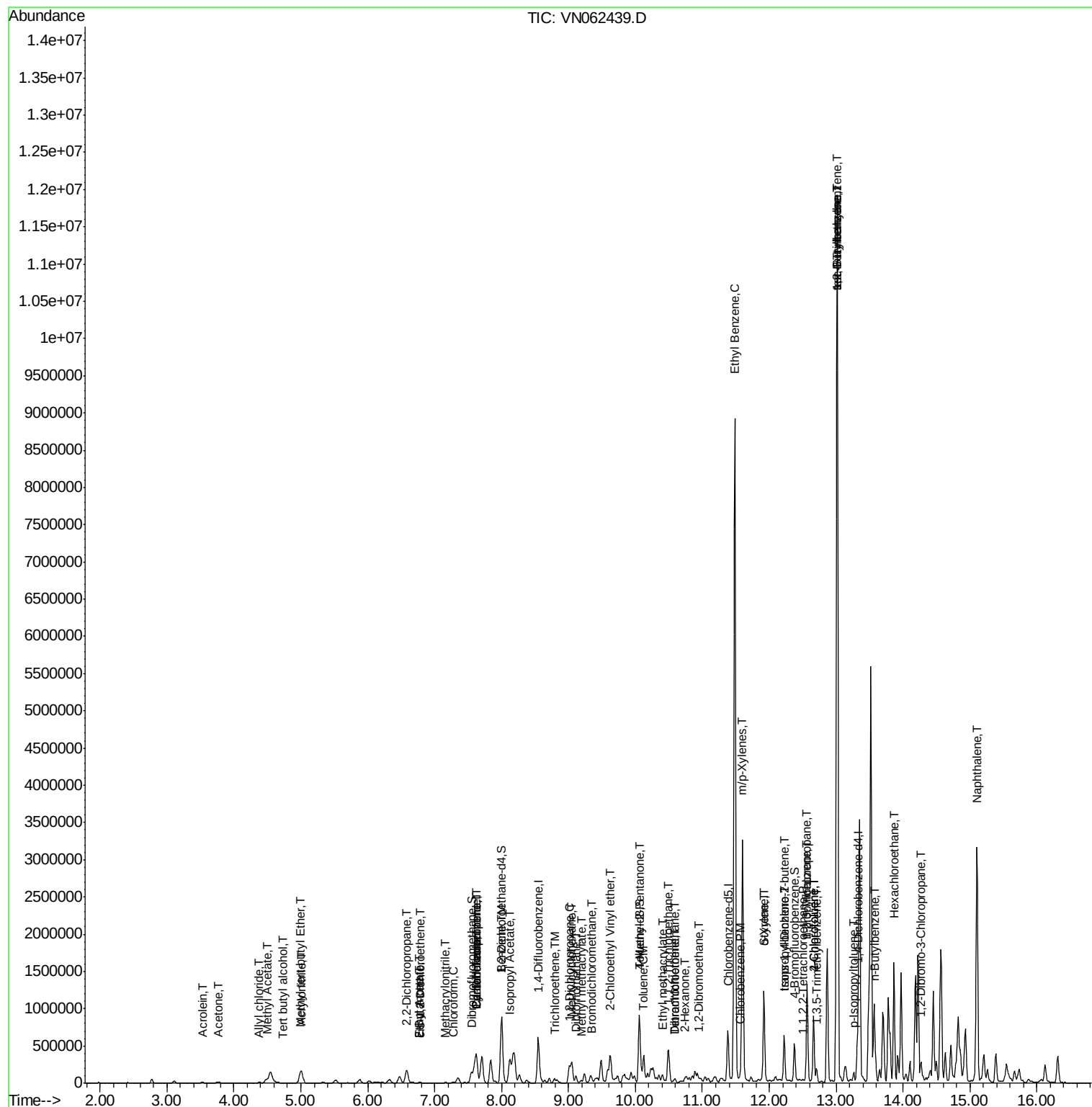
67) Ethyl Benzene	11.48	91	5879486	471.561	ug/l #	77
68) m/p-Xylenes	11.60	106	895818	202.958	ug/l	97
69) o-Xylene	11.92	106	312970	72.826	ug/l	100
70) Styrene	11.92	104	18578	2.616	ug/l #	1
73) Isopropylbenzene	12.22	105	397172	34.590	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.49	83	2014	0.522	ug/l #	31
76) 1,2,3-Trichloropropane	12.57	75	6918	1.900	ug/l #	100
78) n-propylbenzene	12.56	91	1056173	78.746	ug/l	100
79) 2-Chlorotoluene	12.66	91	59050	7.254	ug/l #	44
80) 1,3,5-Trimethylbenzene	12.71	105	83464	8.867	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.22	75	5194	3.818	ug/l #	67
82) 4-Chlorotoluene	12.66	91	59050	7.145	ug/l #	44
83) tert-Butylbenzene	13.01	119	867237	108.569	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.01	105	5775376	617.283	ug/l	84
85) sec-Butylbenzene	13.01	105	5775455	545.631	ug/l #	58
86) p-Isopropyltoluene	13.26	119	56598	6.195	ug/l #	74
89) n-Butylbenzene	13.59	91	223684	27.730	ug/l #	74
90) Hexachloroethane	13.86	117	73308	40.792	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.27	75	560	0.795	ug/l #	8
95) Naphthalene	15.10	128	2526727	268.038	ug/l	100

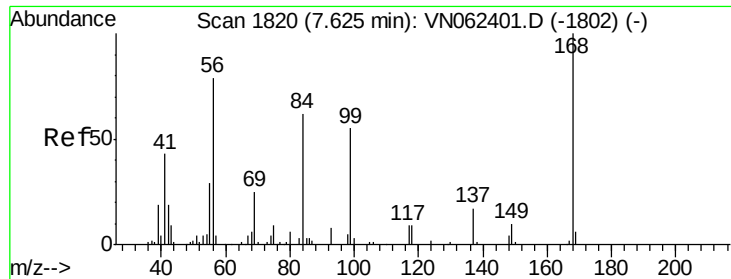
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

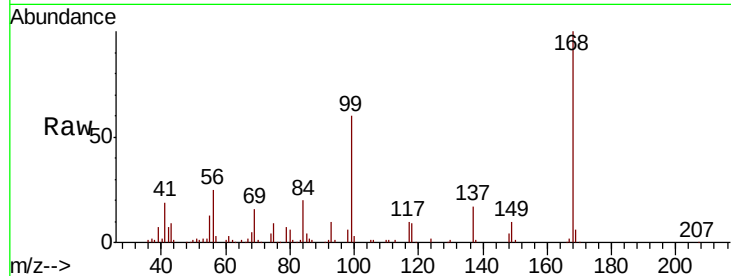
MW-3

Tot Ion:168 Resp: 203271

Ion Ratio Lower Upper

168 100

99 60.5 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

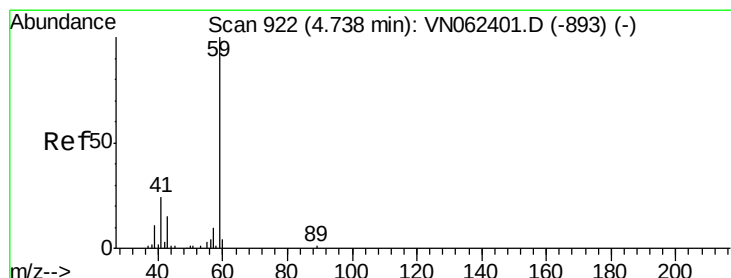
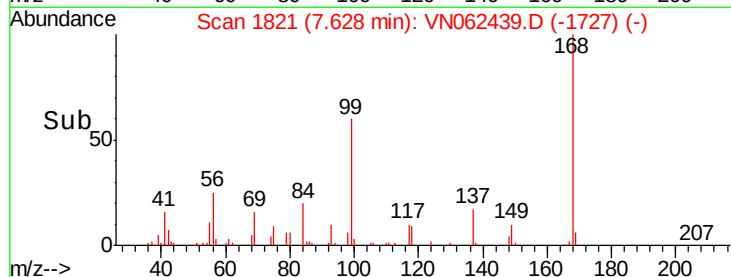
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.834 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.00 min

Lab File: VN062439.D

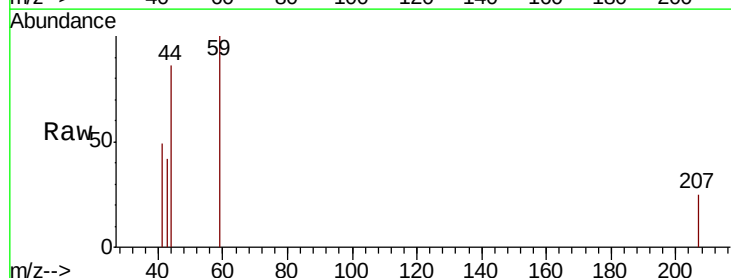
Acq: 9 Jul 2020 5:11

Tgt Ion: 59 Resp: 951

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

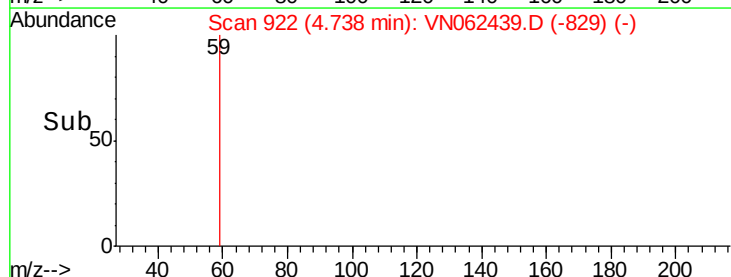
600

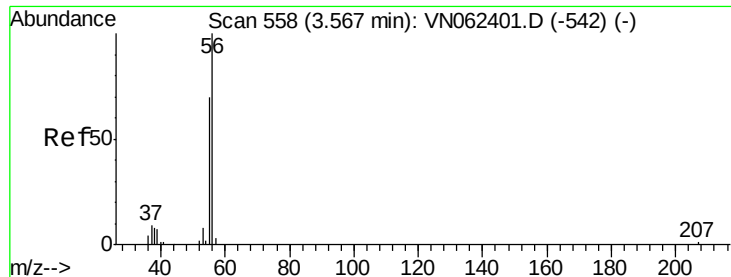
400

200

0

Time--> 4.70 4.72 4.74





#13

Acrolein

Concen: 0.746 ug/l

RT: 3.53 min Scan# 546

Delta R.T. -0.04 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

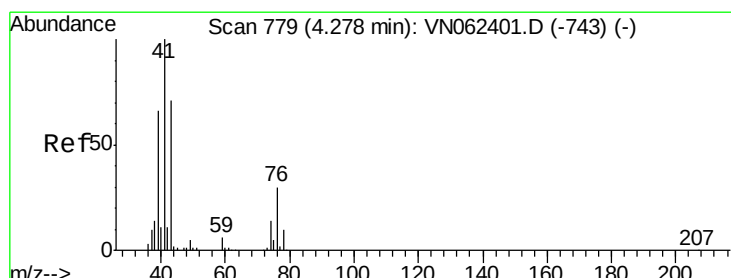
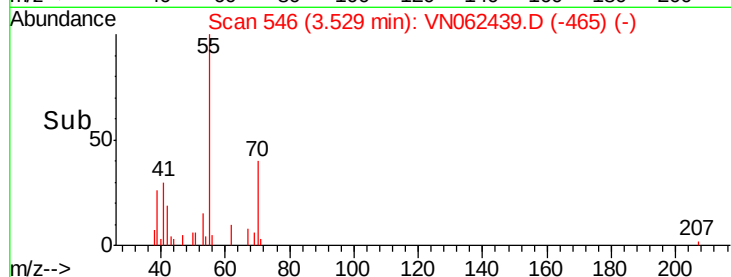
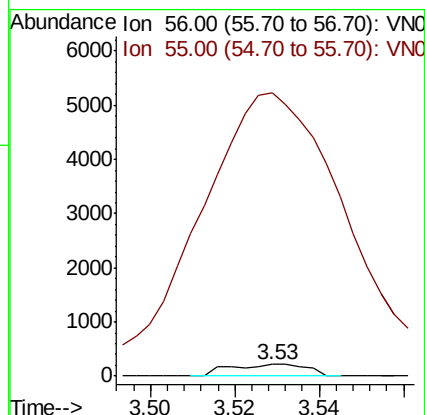
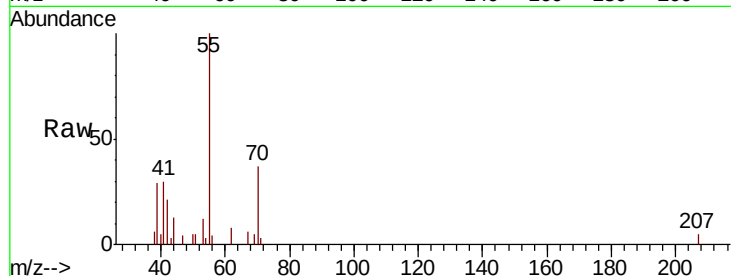
MW-3

Tot Ion: 56 Resp: 279

Ion Ratio Lower Upper

56 100

55 4652.7 57.2 85.8#



#14

Allyl chloride

Concen: 0.501 ug/l

RT: 4.36 min Scan# 805

Delta R.T. 0.08 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

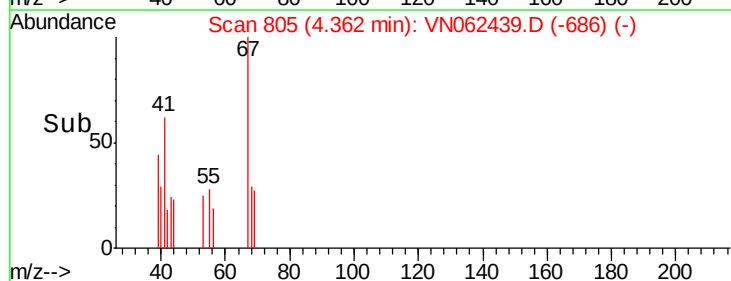
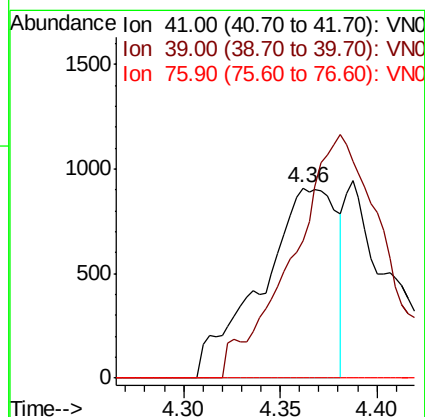
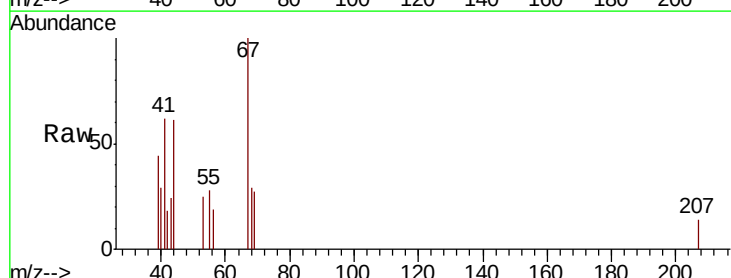
Tgt Ion: 41 Resp: 2459

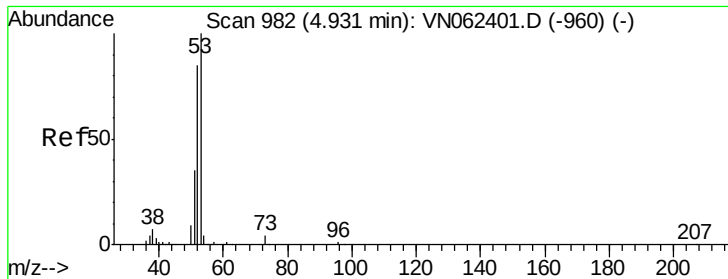
Ion Ratio Lower Upper

41 100

39 155.9 49.6 74.4#

76 0.0 22.2 33.4#





#15

Acrylonitrile

Concen: 2.099 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.06 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

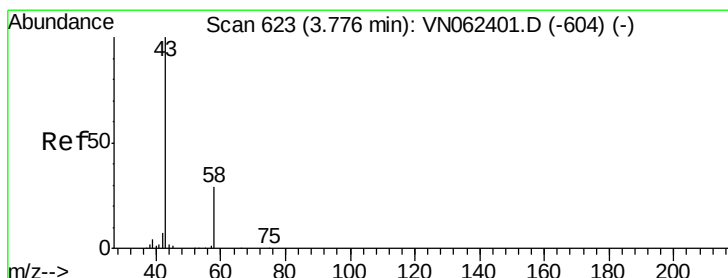
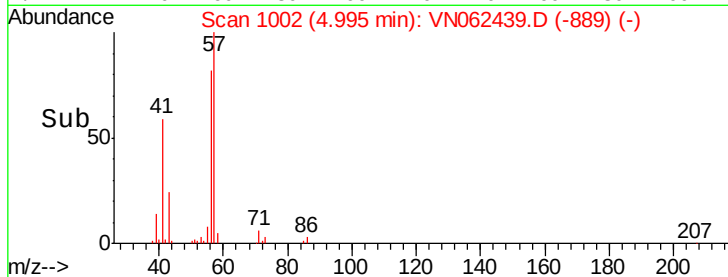
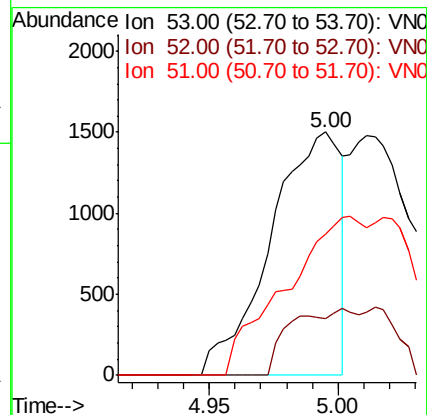
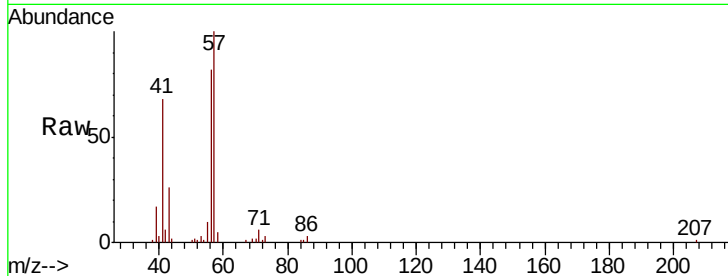
Tot Ion: 53 Resp: 2855

Ion Ratio Lower Upper

53 100

52 15.3 66.2 99.4#

51 74.2 28.7 43.1#



#16

Acetone

Concen: 12.010 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.01 min

Lab File: VN062439.D

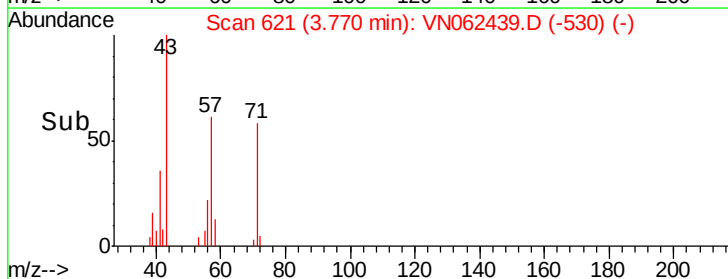
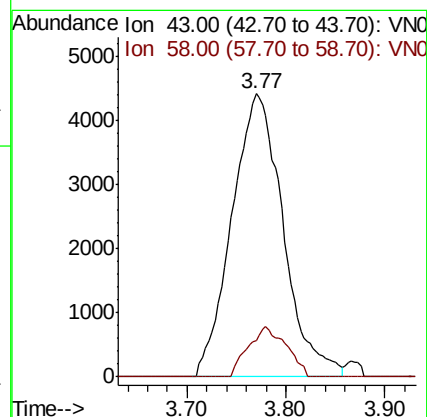
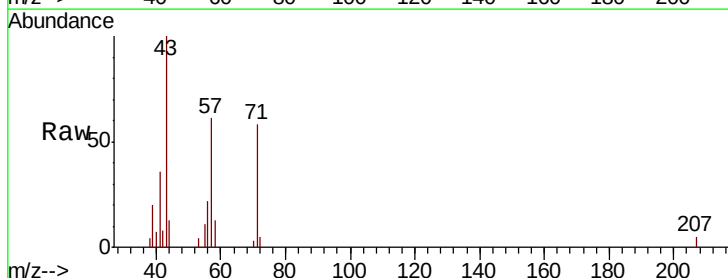
Acq: 9 Jul 2020 5:11

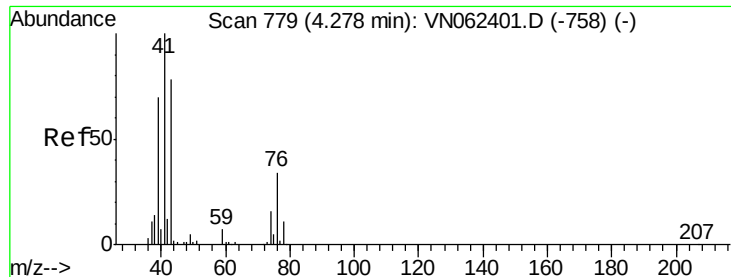
Tgt Ion: 43 Resp: 15942

Ion Ratio Lower Upper

43 100

58 12.8 23.5 35.3#

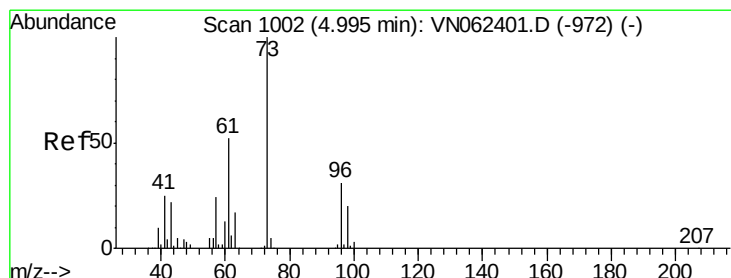
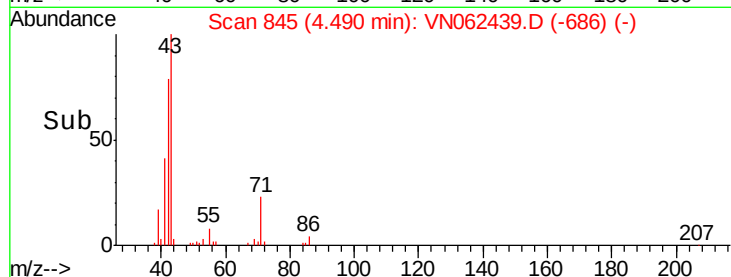
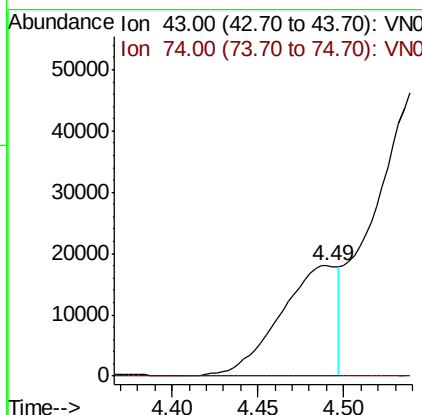
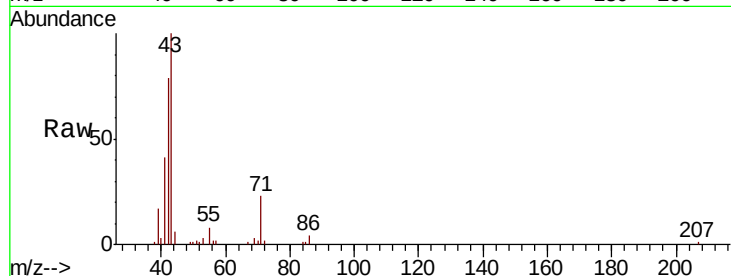




#18
Methyl Acetate
Concen: 12.744 ug/l
RT: 4.49 min Scan# 845
Delta R.T. 0.21 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

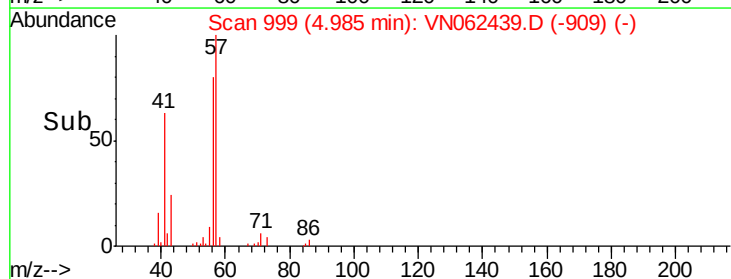
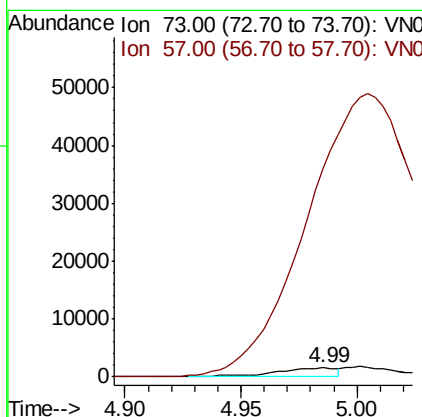
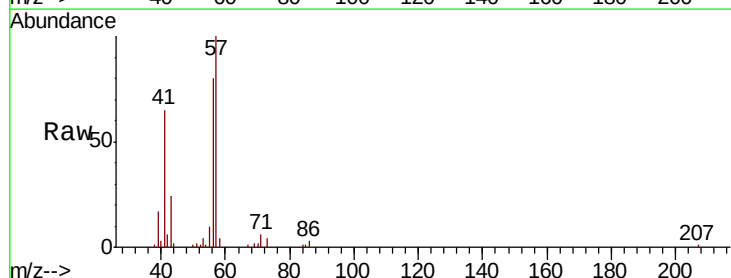
Instrument :
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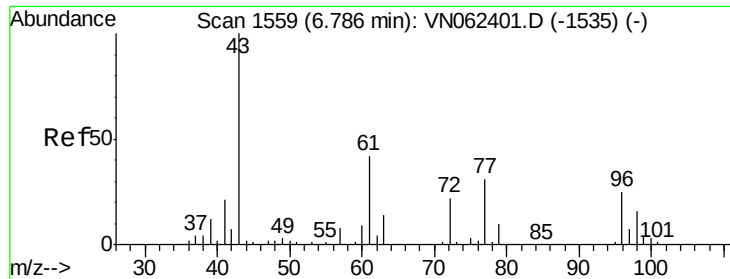
Tot Ion: 43 Resp: 42217
Ion Ratio Lower Upper
43 100
74 0.0 16.0 24.0#



#19
Methyl tert-butyl Ether
Concen: 0.367 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.01 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion: 73 Resp: 2900
Ion Ratio Lower Upper
73 100
57 2341.0 19.4 29.0#





#25

2-Butanone

Concen: 4.144 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

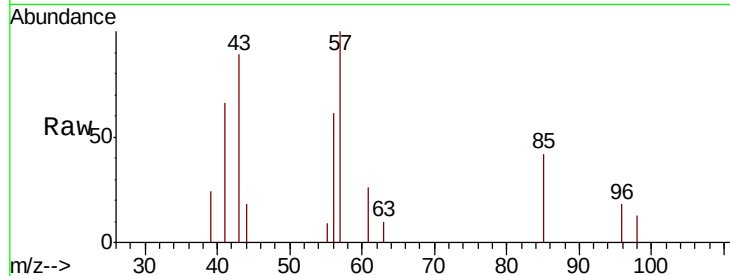
MW-3

Tot Ion: 43 Resp: 8033

Ion Ratio Lower Upper

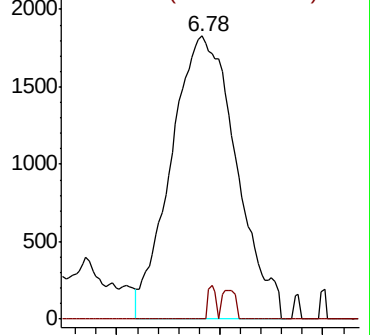
43 100

72 0.0 17.9 26.9#

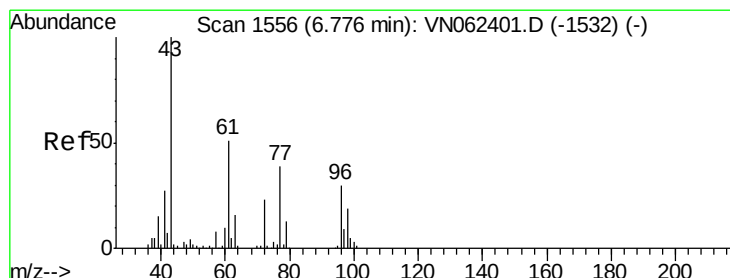
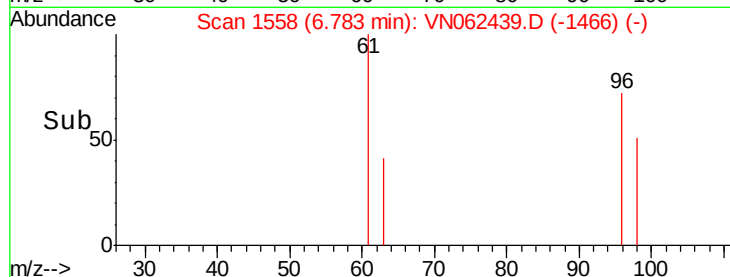


Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-1535) (-)

Ion 72.00 (71.70 to 72.70): VN062401.D (-1535) (-)



Time-->



#26

2,2-Dichloropropane

Concen: 0.274 ug/l

RT: 6.59 min Scan# 1497

Delta R.T. -0.19 min

Lab File: VN062439.D

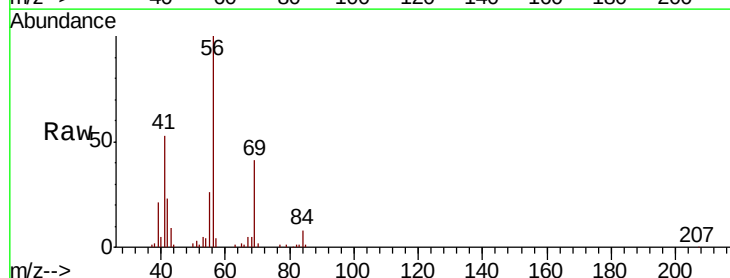
Acq: 9 Jul 2020 5:11

Tgt Ion: 77 Resp: 1054

Ion Ratio Lower Upper

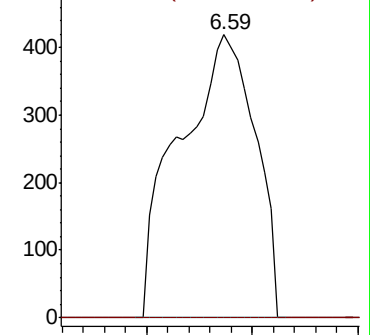
77 100

97 0.0 10.9 32.9#

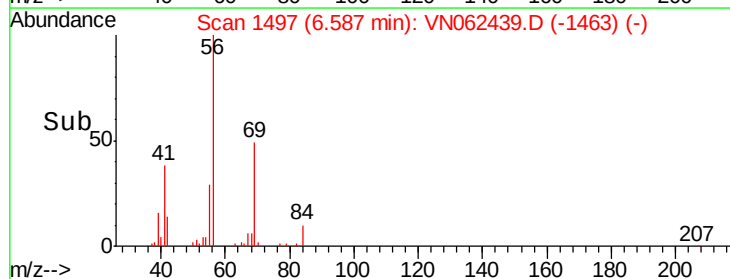


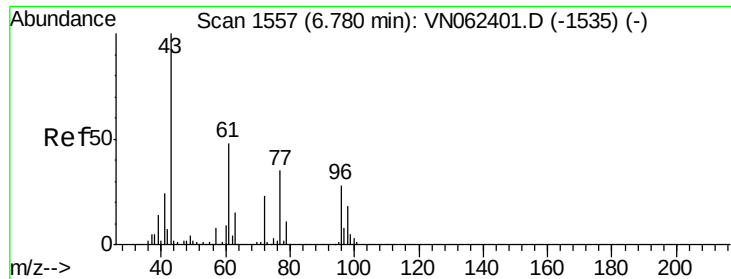
Abundance Ion 76.90 (76.60 to 77.60): VN062439.D (-1463) (-)

Ion 96.90 (96.60 to 97.60): VN062439.D (-1463) (-)



Time-->

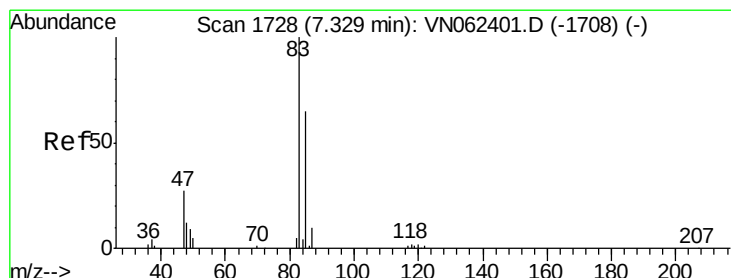
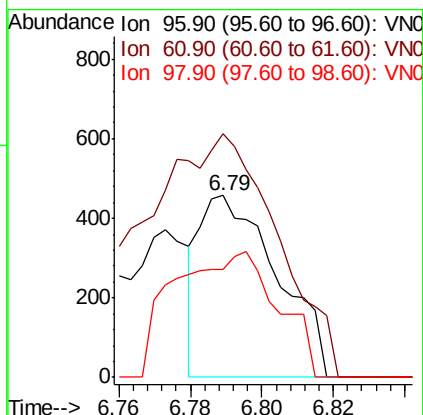
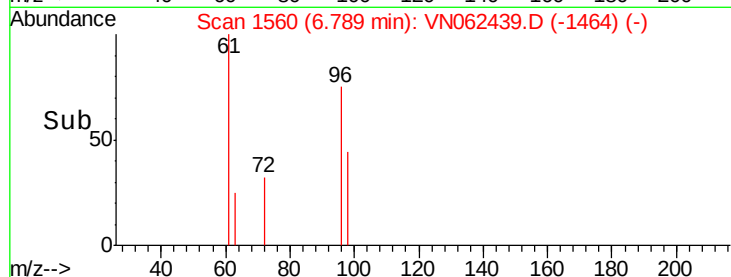
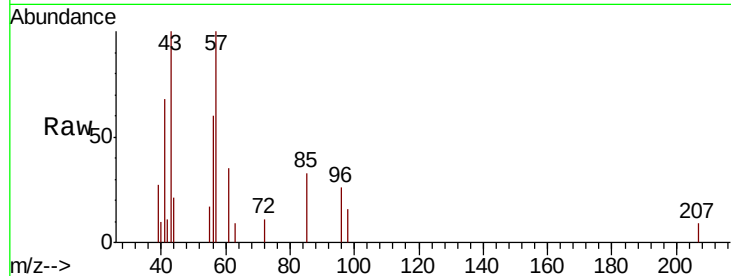




#27
 cis-1,2-Dichloroethene
 Concen: 0.261 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.01 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

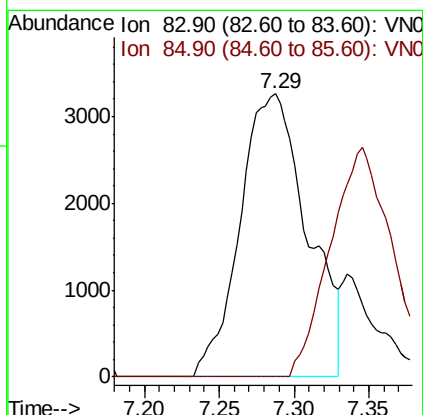
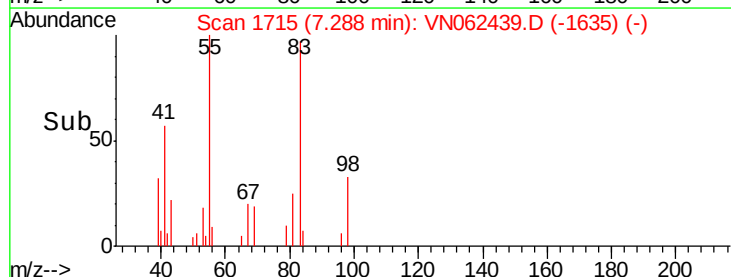
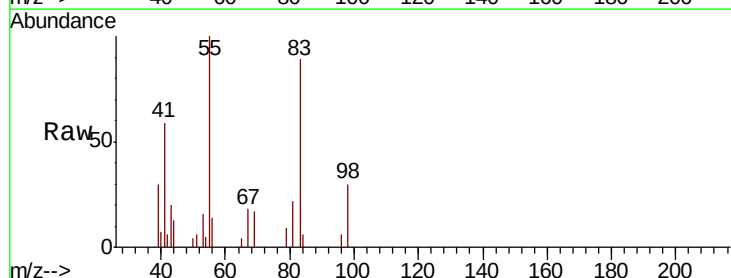
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

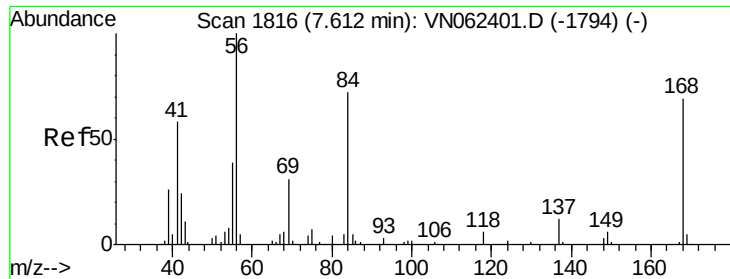
Tot Ion: 96 Resp: 684
 Ion Ratio Lower Upper
 96 100
 61 241.7 0.0 343.4
 98 93.1 0.0 128.4



#30
 Chloroform
 Concen: 2.259 ug/l
 RT: 7.29 min Scan# 1715
 Delta R.T. -0.04 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion: 83 Resp: 10216
 Ion Ratio Lower Upper
 83 100
 85 0.0 51.8 77.6#

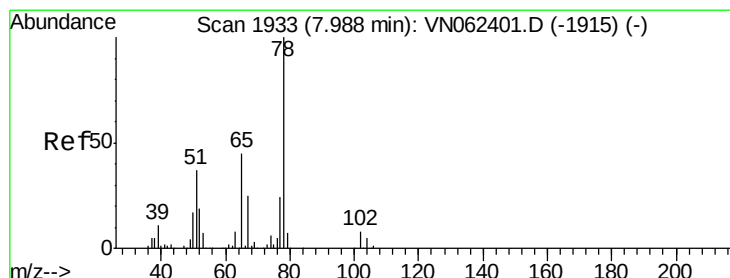
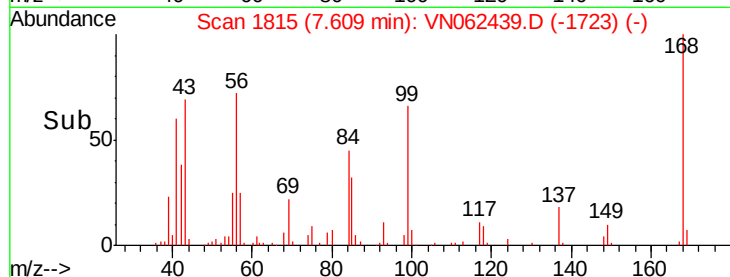
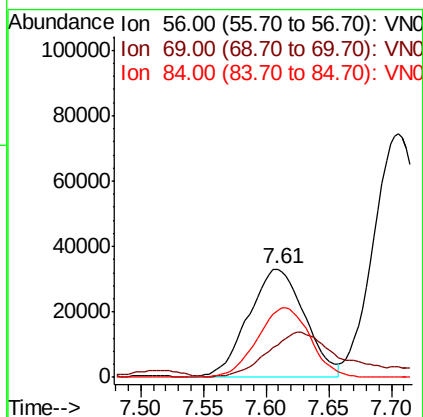
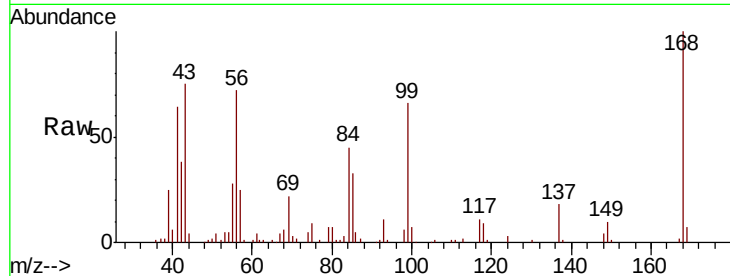




#31
Cyclohexane
Concen: 21.511 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

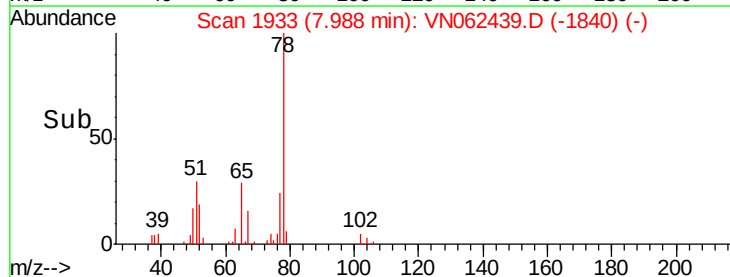
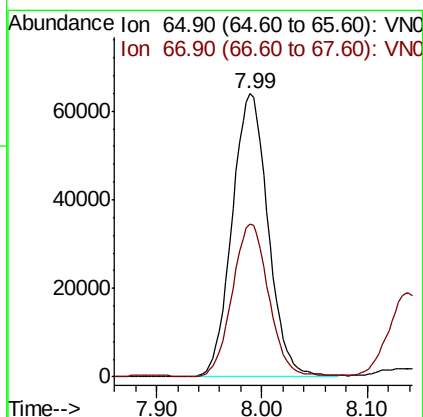
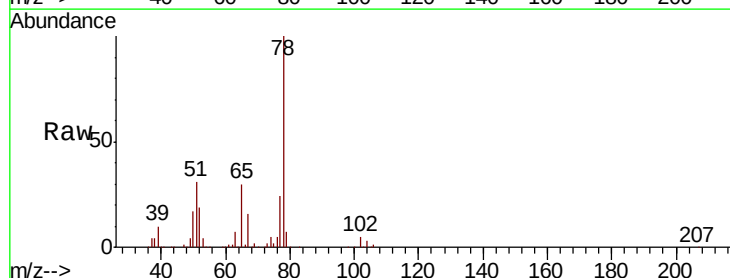
Instrument :
MSVOA_N
ClientSampled :
MW-3

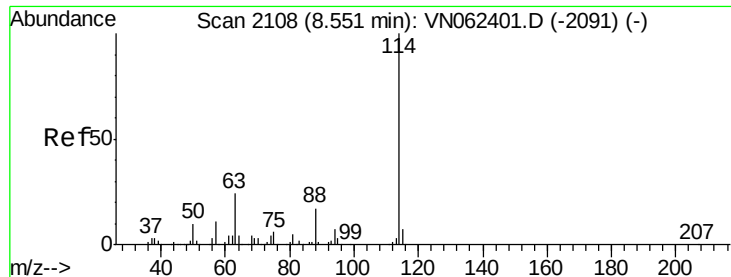
Tot Ion: 56 Resp: 102157
Ion Ratio Lower Upper
56 100
69 27.4 24.5 36.7
84 62.2 57.4 86.2



#33
1,2-Dichloroethane-d4
Concen: 48.491 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion: 65 Resp: 151610
Ion Ratio Lower Upper
65 100
67 55.0 0.0 107.6

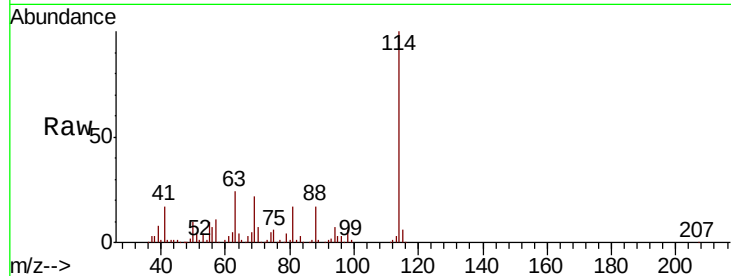




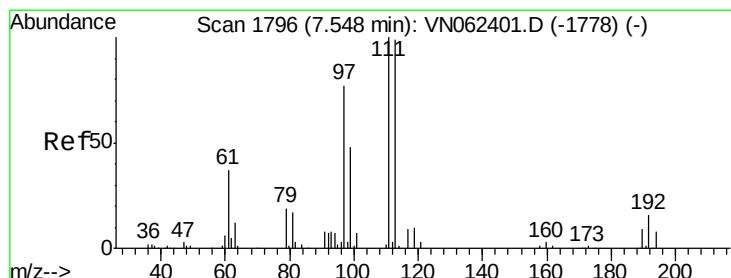
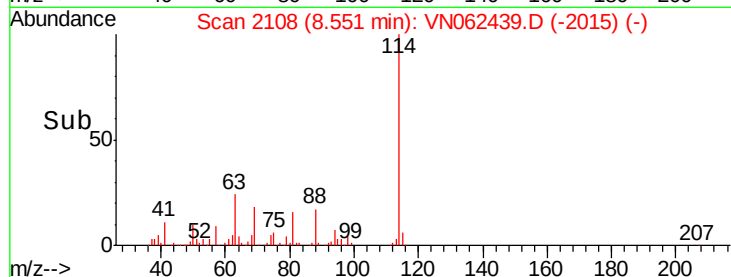
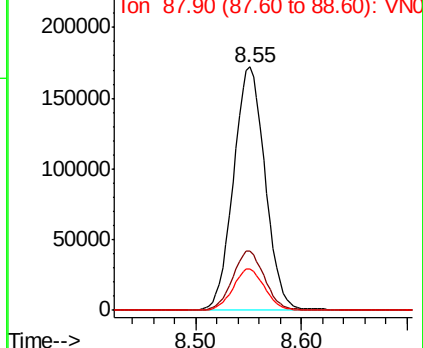
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	48.4
88	17.2	0.0	33.8

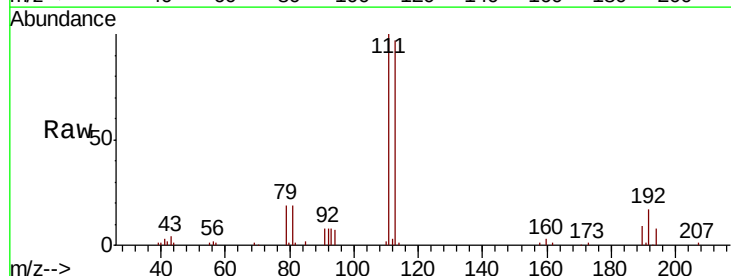


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

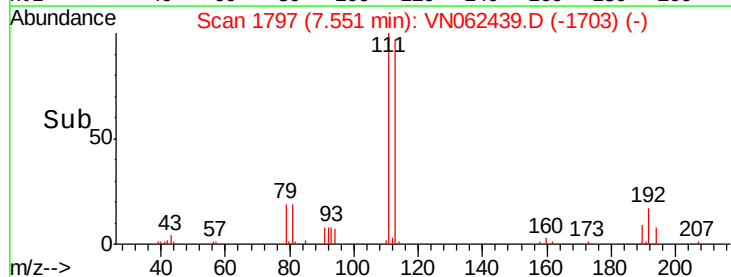
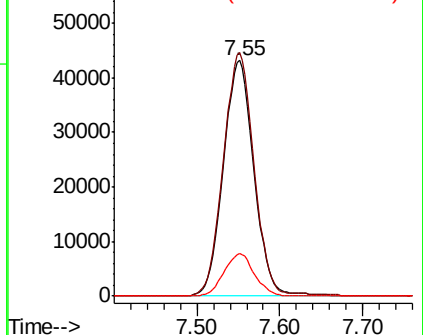


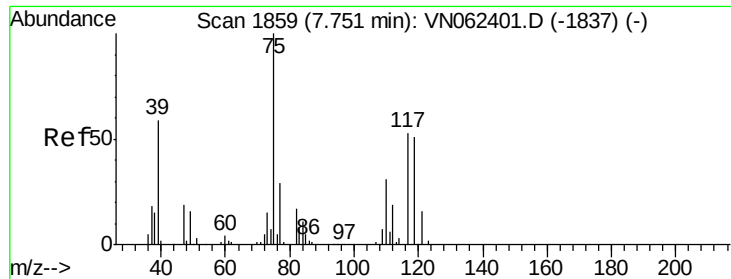
#35
Dibromofluoromethane
Concen: 49.949 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	17.8	14.1	21.1



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

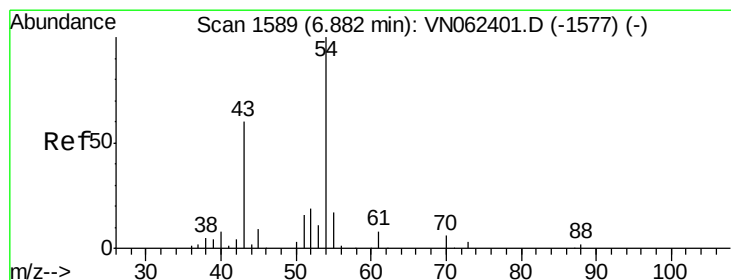
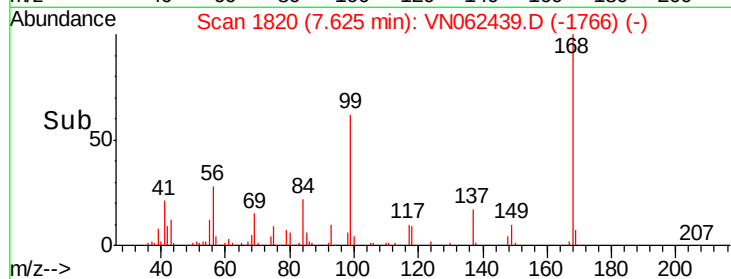
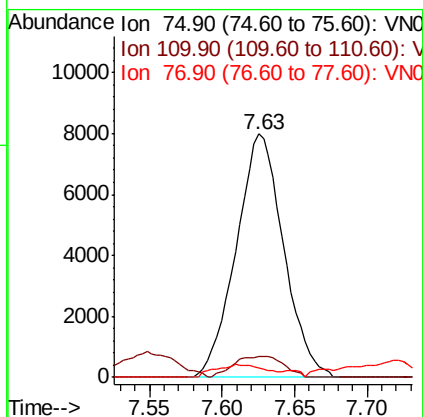
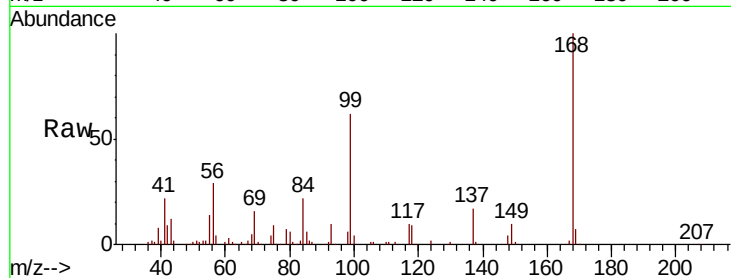




#36
 1,1-Dichloropropene
 Concen: 5.015 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

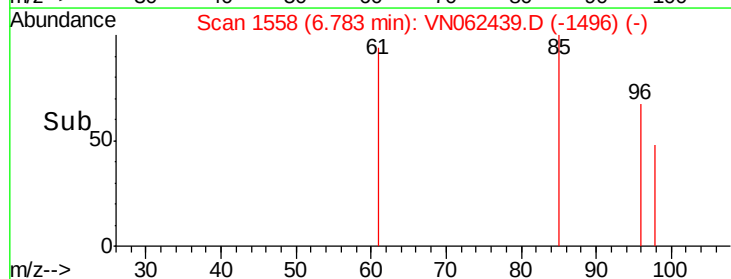
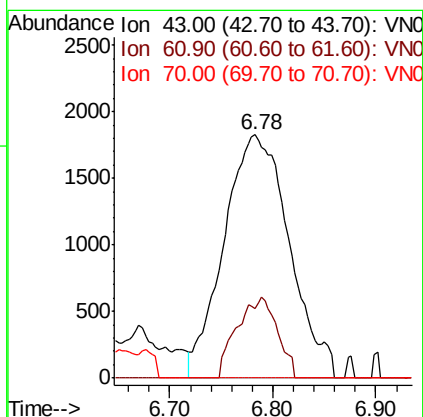
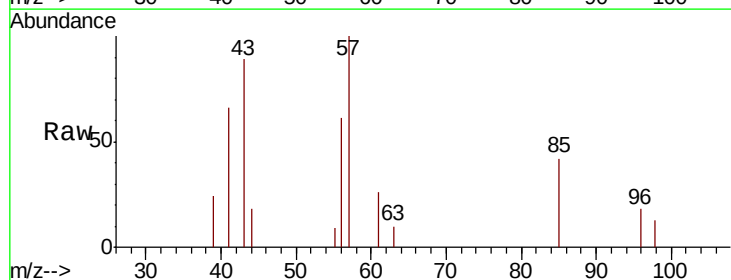
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

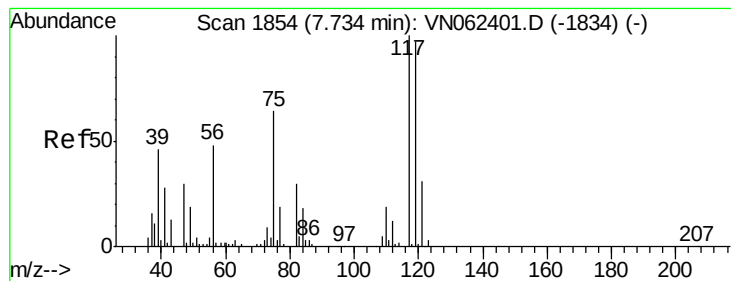
Tot Ion: 75 Resp: 18123
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.4 46.2#
 77 0.0 24.1 36.1#



#37
 Ethyl Acetate
 Concen: 1.901 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion: 43 Resp: 8033
 Ion Ratio Lower Upper
 43 100
 61 20.6 10.7 16.1#
 70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 6.339 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

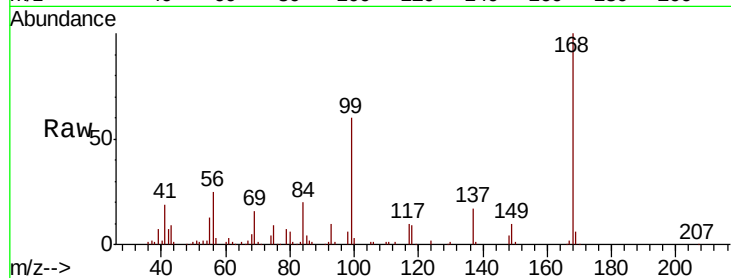
Tot Ion:117 Resp: 20594

Ion Ratio Lower Upper

117 100

119 4.4 77.2 115.8#

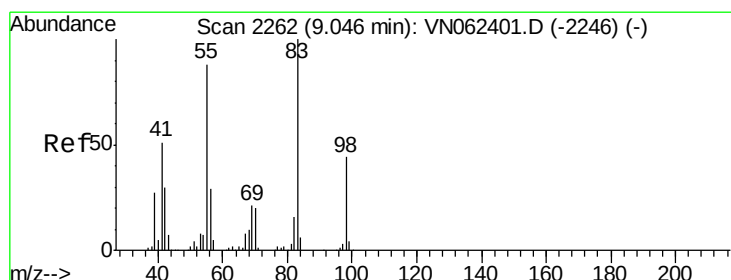
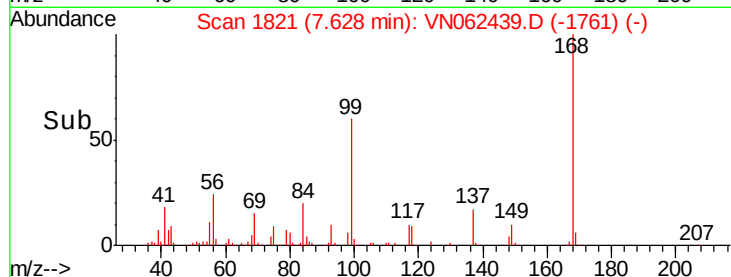
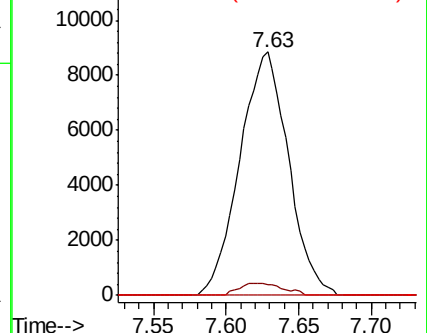
121 0.0 24.8 37.2#



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: 29.370 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

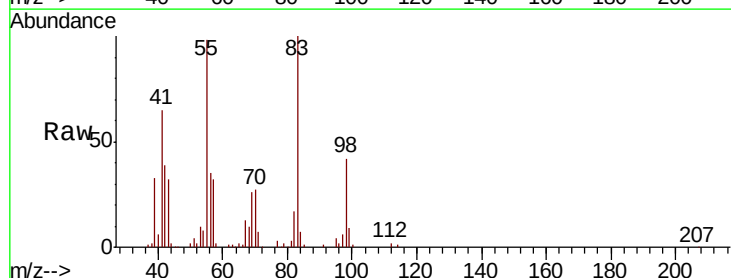
Tgt Ion: 83 Resp: 113317

Ion Ratio Lower Upper

83 100

55 97.3 70.5 105.7

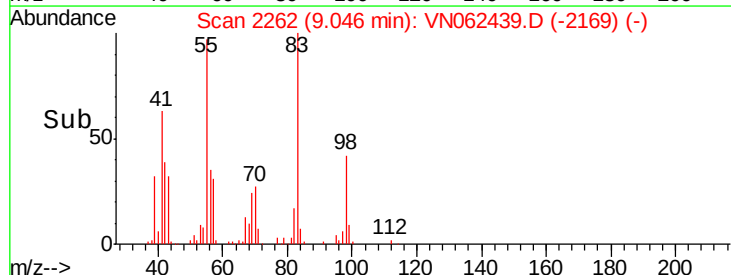
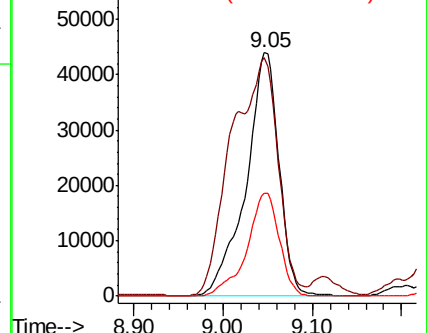
98 42.3 35.5 53.3

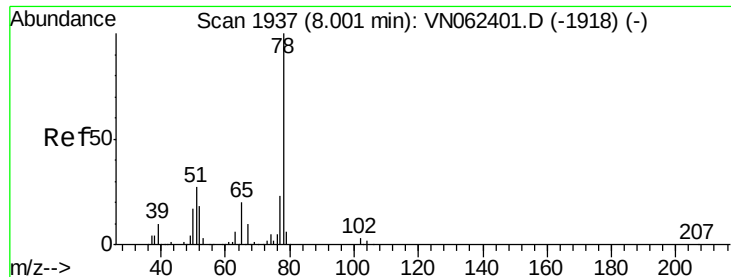


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

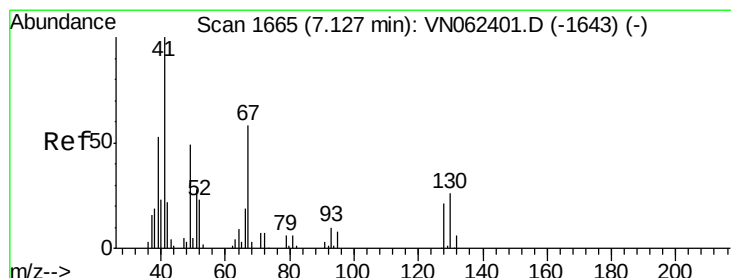
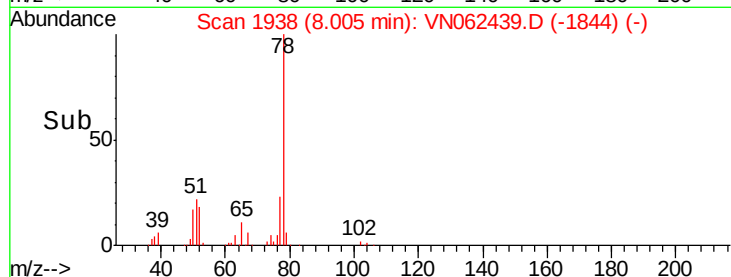
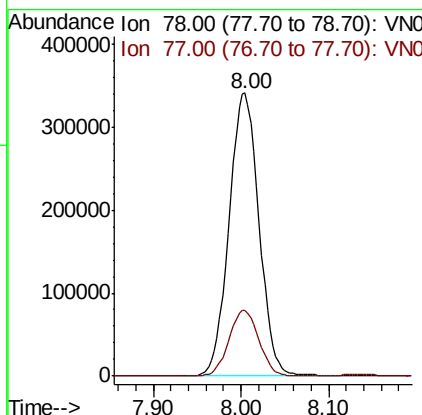
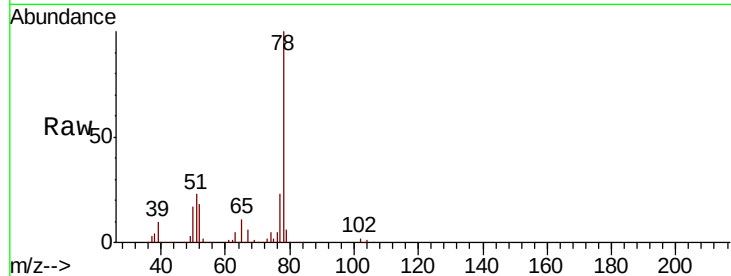




#40
Benzene
Concen: 75.927 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

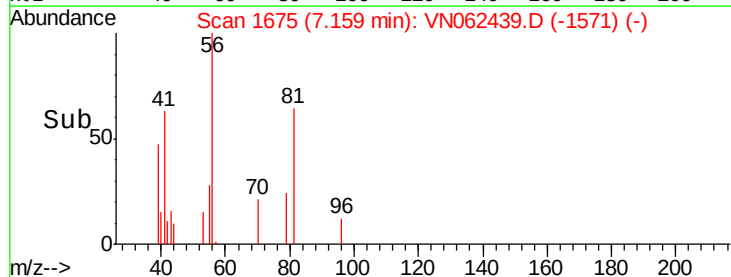
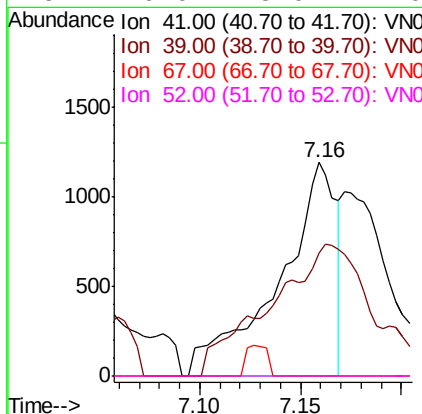
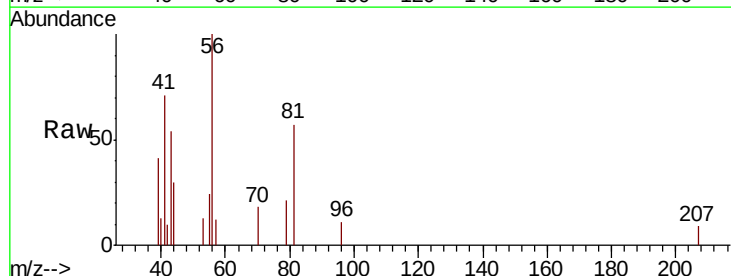
Instrument :
MSVOA_N
ClientSampleId :
MW-3

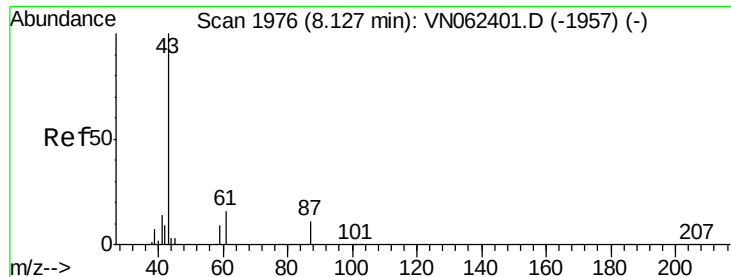
Tot Ion: 78 Resp: 808695
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1



#41
Methacrylonitrile
Concen: 1.325 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.03 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion: 41 Resp: 2339
Ion Ratio Lower Upper
41 100
39 108.8 50.2 75.2#
67 0.0 64.2 96.2#
52 0.0 28.0 42.0#





#43

Isopropyl Acetate

Concen: 9.798 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

MW-3

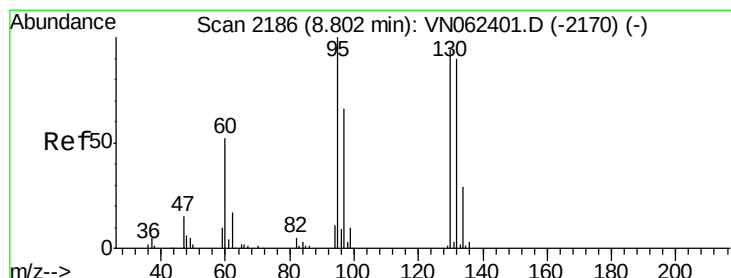
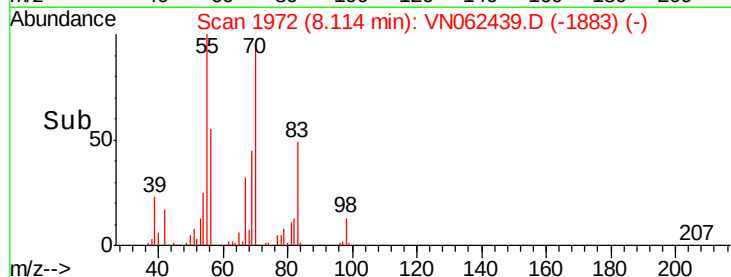
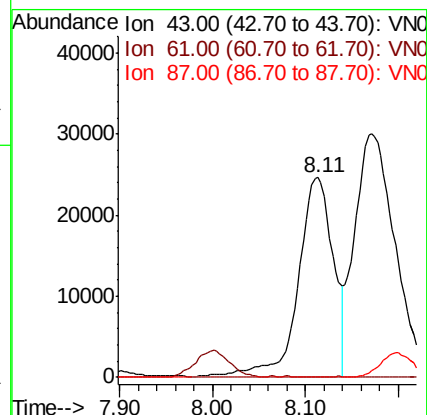
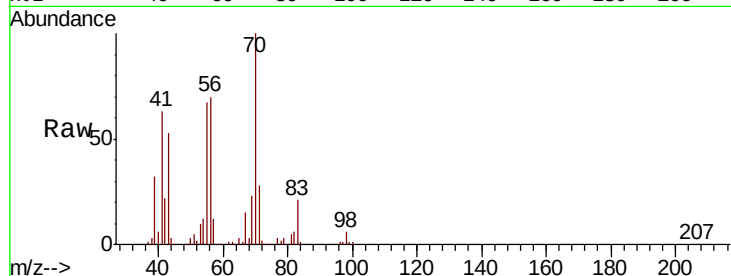
Tot Ion: 43 Resp: 65409

Ion Ratio Lower Upper

43 100

61 0.0 19.3 28.9#

87 0.0 8.6 13.0#



#44

Trichloroethene

Concen: 0.898 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062439.D

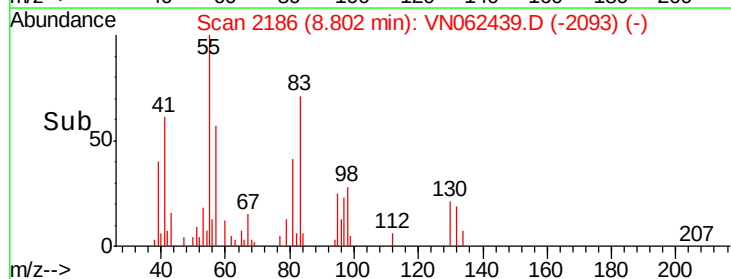
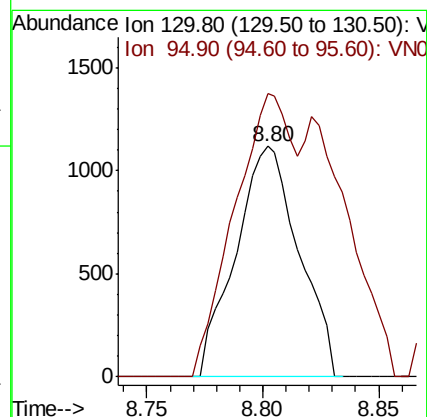
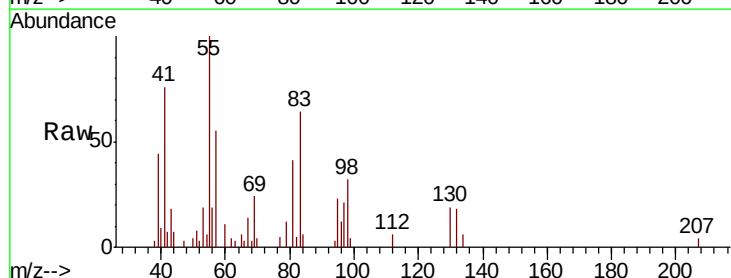
Acq: 9 Jul 2020 5:11

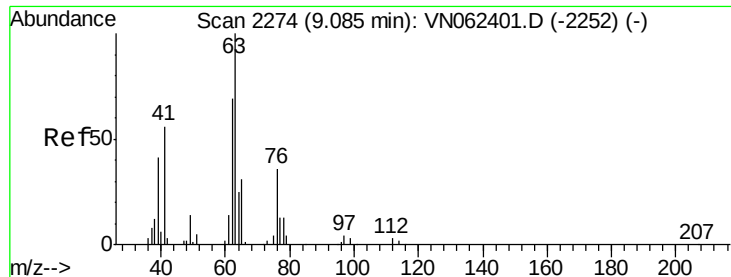
Tgt Ion: 130 Resp: 2123

Ion Ratio Lower Upper

130 100

95 122.6 0.0 213.8

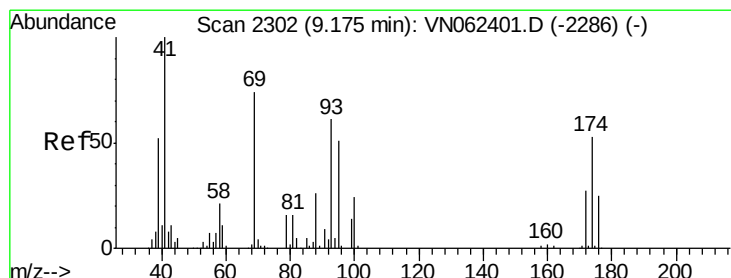
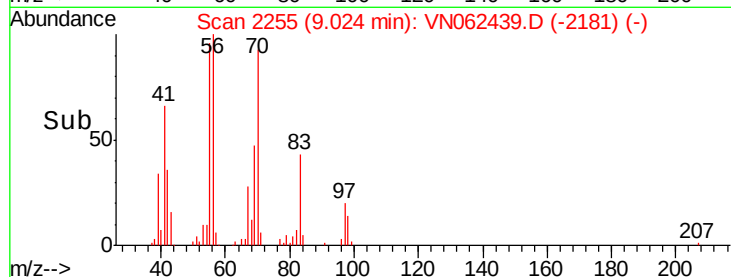
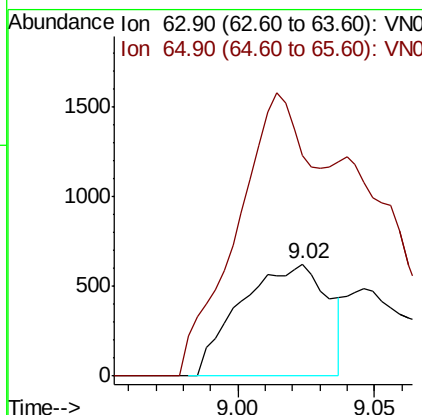
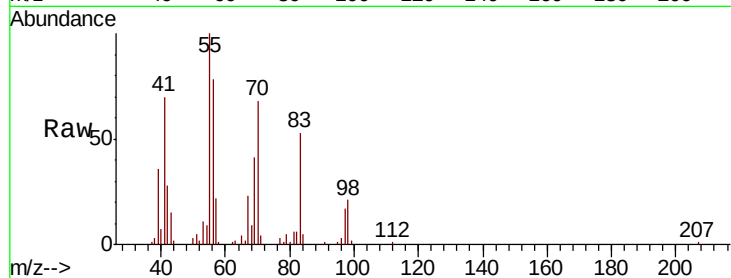




#45
 1,2-Dichloropropane
 Concen: 0.452 ug/l
 RT: 9.02 min Scan# 2255
 Delta R.T. -0.06 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

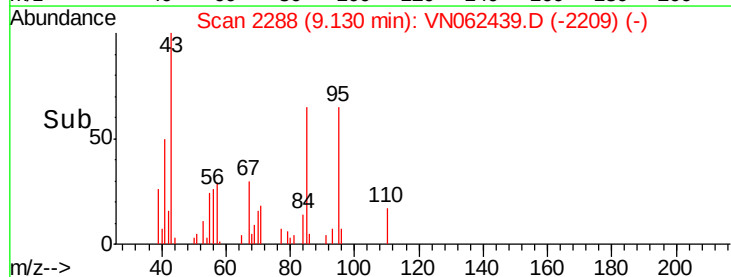
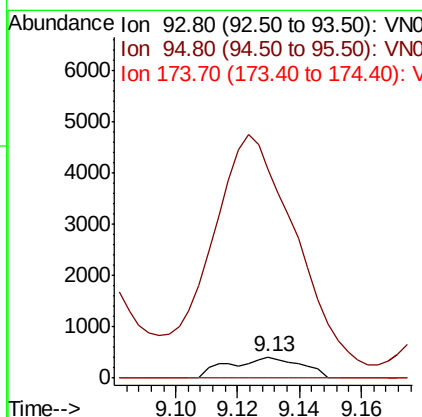
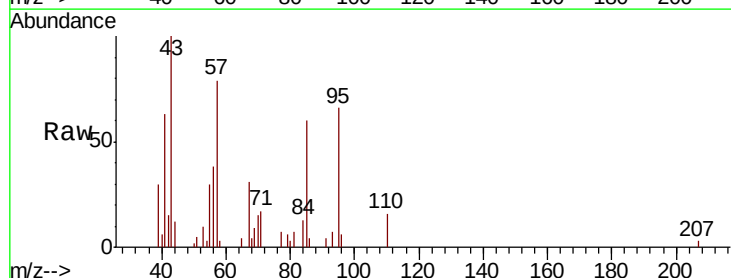
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

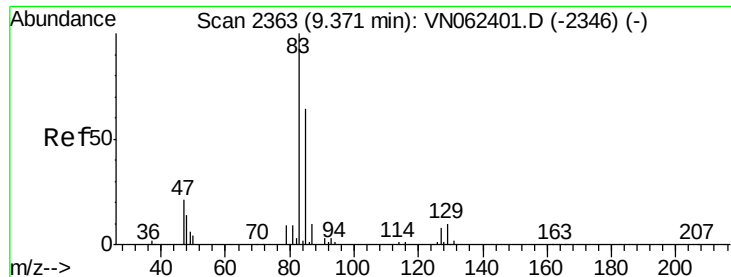
Tot Ion: 63 Resp: 1397
 Ion Ratio Lower Upper
 63 100
 65 161.8 24.6 36.8#



#46
 Dibromomethane
 Concen: 0.381 ug/l
 RT: 9.13 min Scan# 2288
 Delta R.T. -0.05 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion: 93 Resp: 665
 Ion Ratio Lower Upper
 93 100
 95 1245.7 67.1 100.7#
 174 0.0 70.4 105.6#





#47

Bromodichloromethane

Concen: 4.920 ug/l

RT: 9.35 min Scan# 2358

Delta R.T. -0.02 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

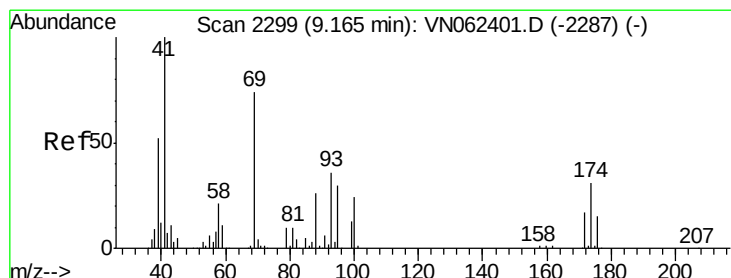
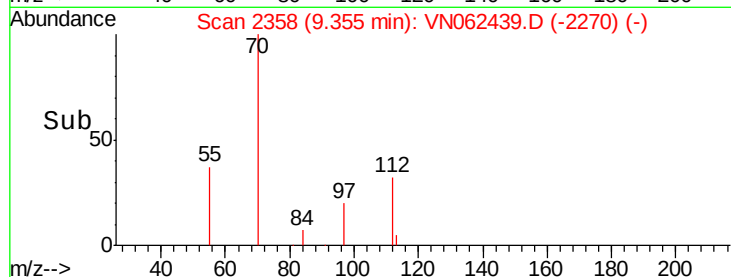
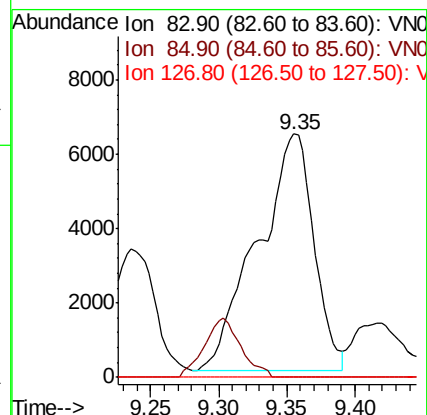
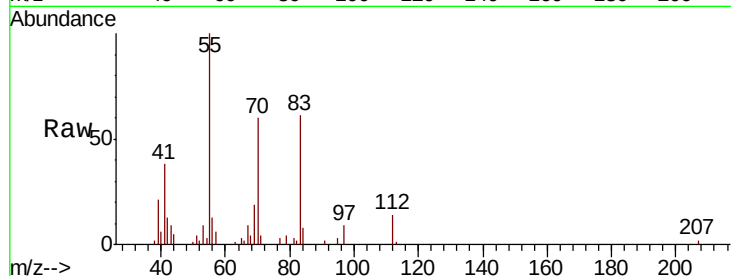
Tot Ion: 83 Resp: 18355

Ion Ratio Lower Upper

83 100

85 0.0 51.2 76.8#

127 0.0 6.2 9.2#



#48

Methyl methacrylate

Concen: 2.114 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.02 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

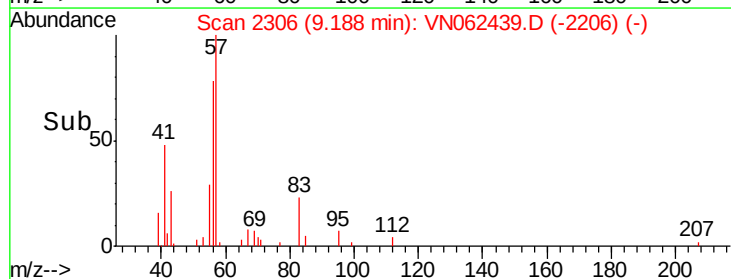
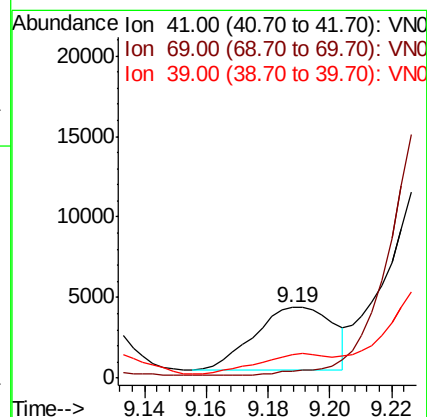
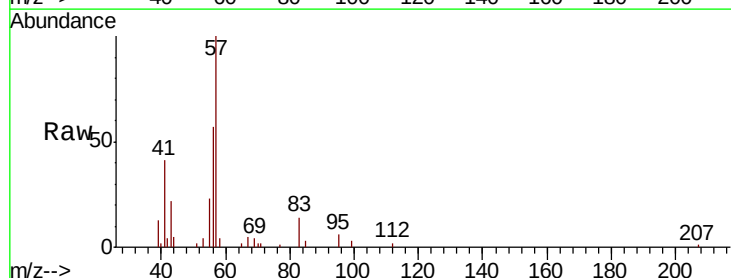
Tgt Ion: 41 Resp: 6922

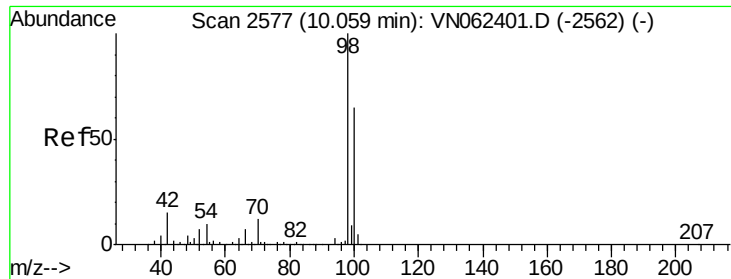
Ion Ratio Lower Upper

41 100

69 0.0 60.8 91.2#

39 28.0 43.5 65.3#

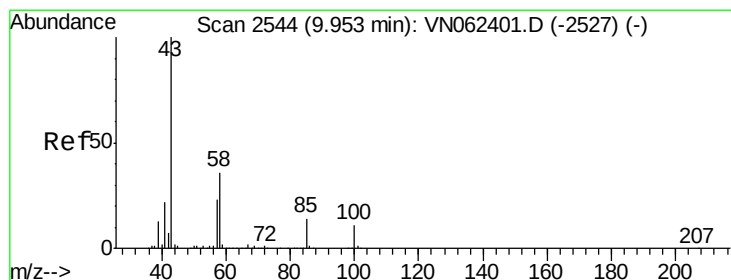
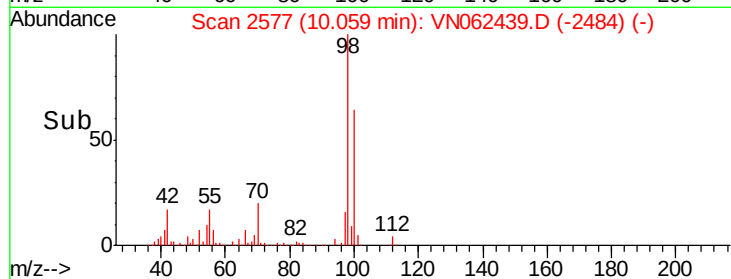
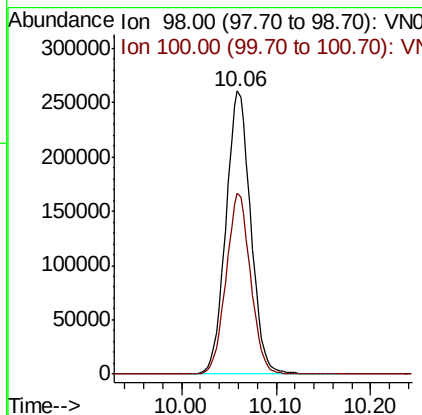
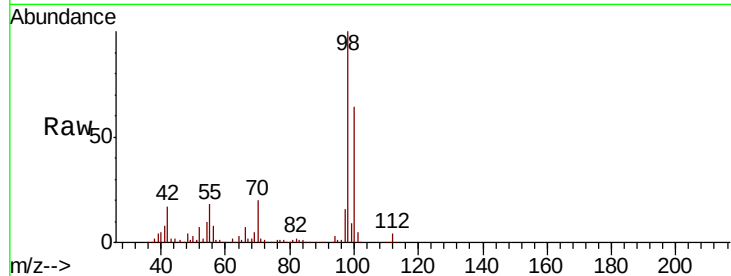




#50
Toluene-d8
Concen: 53.886 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

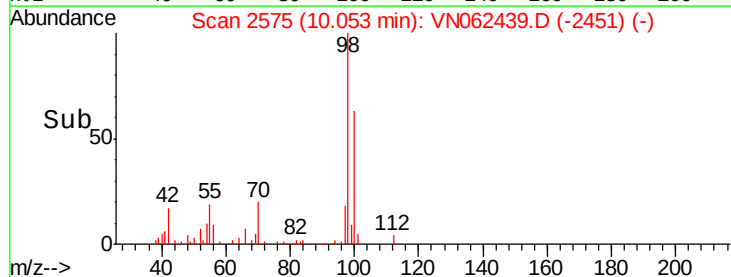
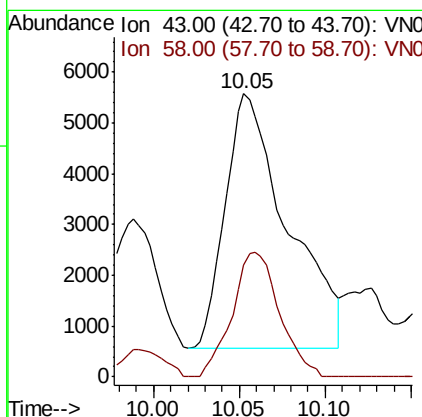
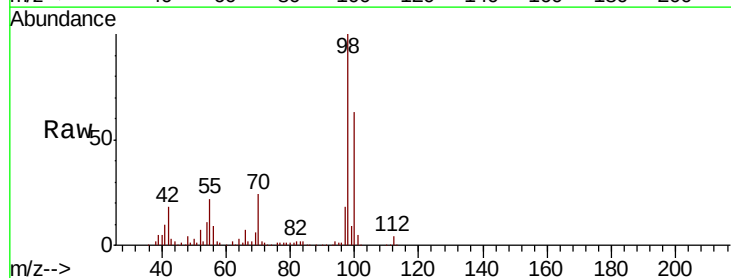
Instrument :
MSVOA_N
ClientSampled :
MW-3

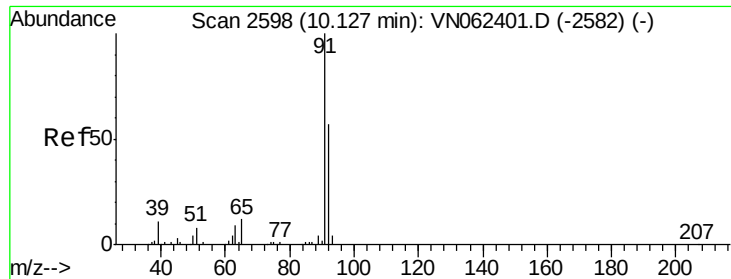
Tot Ion: 98 Resp: 471673
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.170 ug/l
RT: 10.05 min Scan# 2575
Delta R.T. 0.10 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion: 43 Resp: 12640
Ion Ratio Lower Upper
43 100
58 37.1 29.0 43.6





#52

Toluene

Concen: 24.596 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

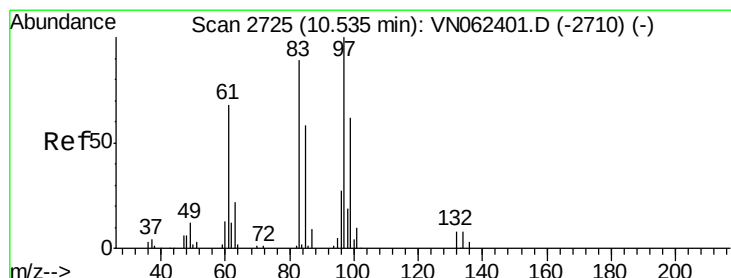
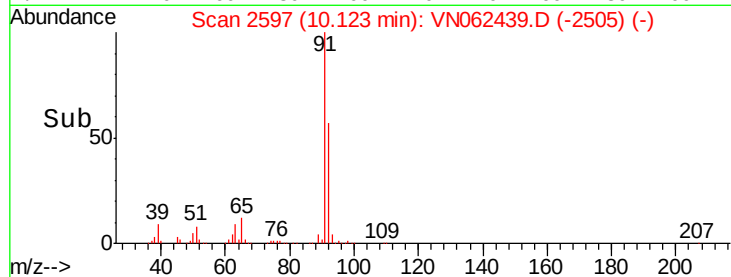
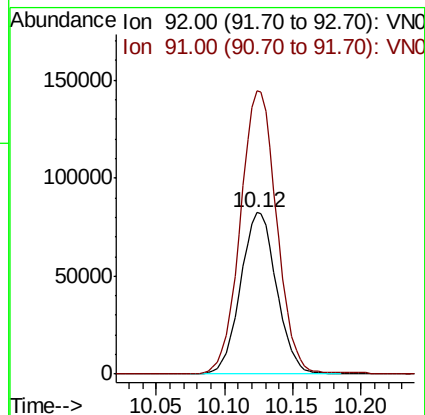
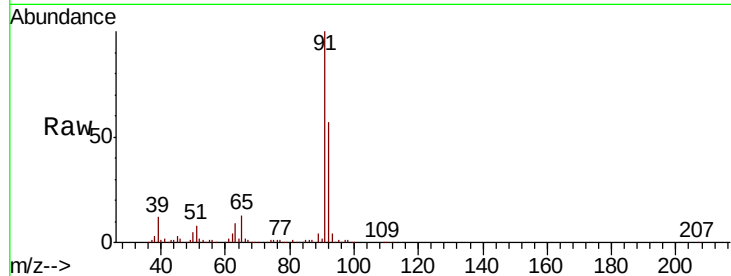
MW-3

Tot Ion: 92 Resp: 151319

Ion Ratio Lower Upper

92 100

91 174.9 141.0 211.6



#55

1,1,2-Trichloroethane

Concen: 33.416 ug/l

RT: 10.50 min Scan# 2715

Delta R.T. -0.03 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Tgt Ion: 97 Resp: 80855

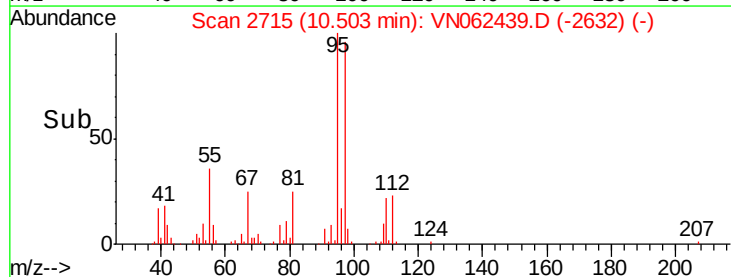
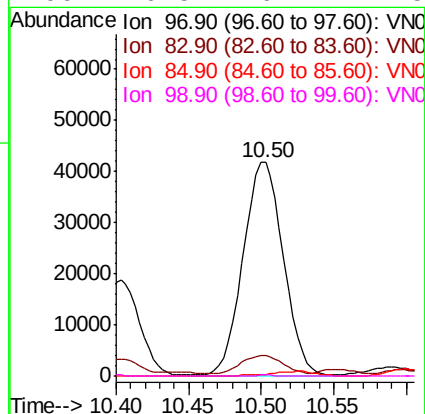
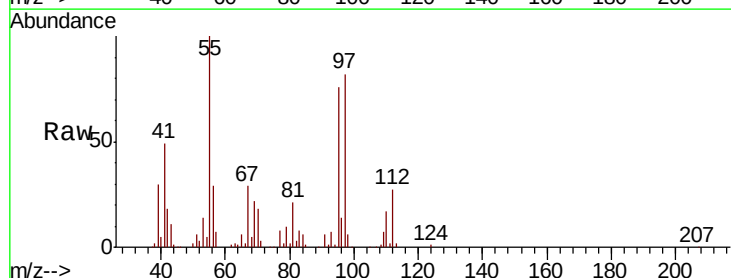
Ion Ratio Lower Upper

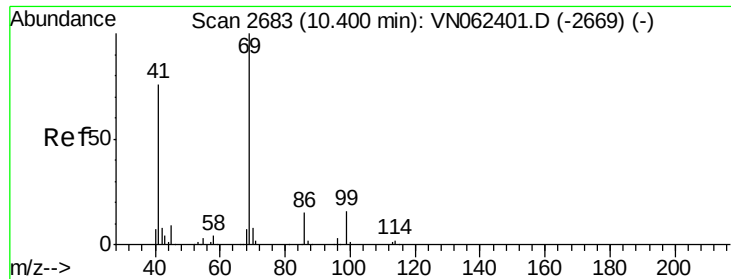
97 100

83 7.8 71.0 106.4#

85 0.9 46.2 69.4#

99 0.5 49.7 74.5#





#56

Ethyl methacrylate

Concen: 3.118 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

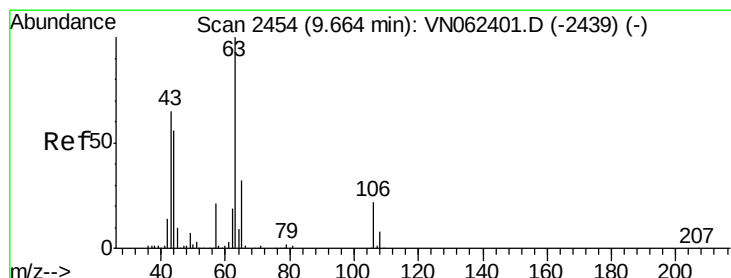
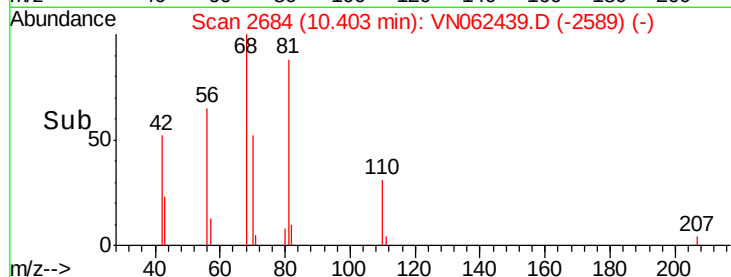
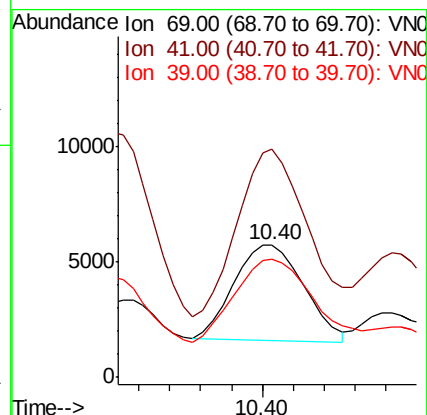
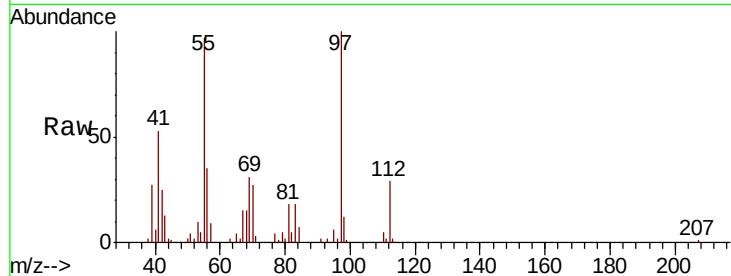
Tot Ion: 69 Resp: 6484

Ion Ratio Lower Upper

69 100

41 170.6 59.7 89.5#

39 95.2 30.6 45.8#



#58

2-Chloroethyl Vinyl ether

Concen: 0.371 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. -0.04 min

Lab File: VN062439.D

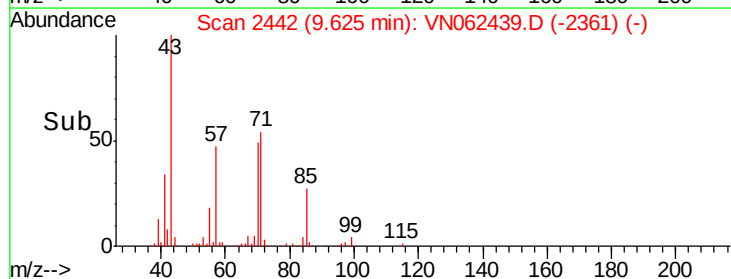
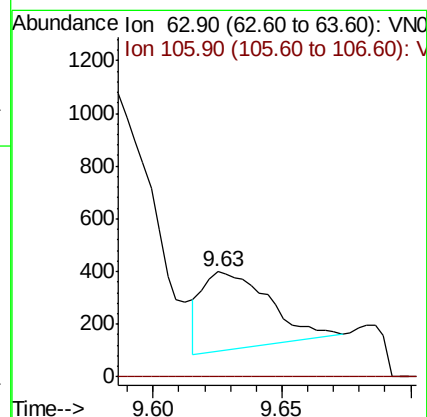
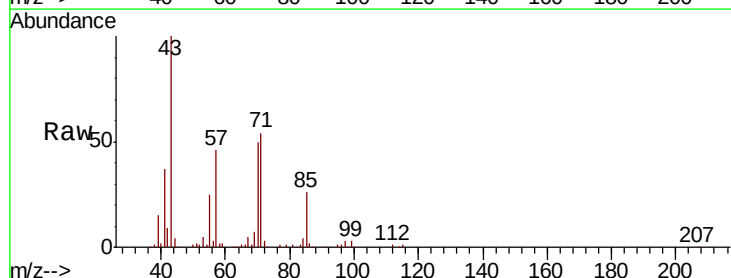
Acq: 9 Jul 2020 5:11

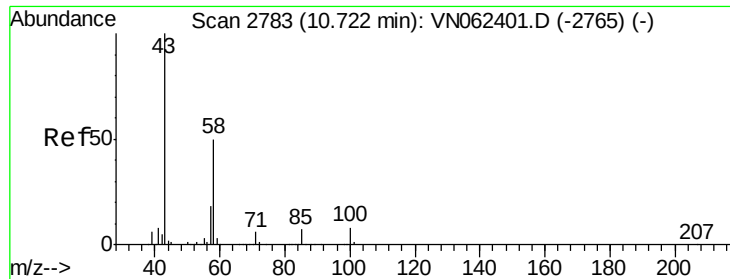
Tgt Ion: 63 Resp: 532

Ion Ratio Lower Upper

63 100

106 0.0 17.6 26.4#

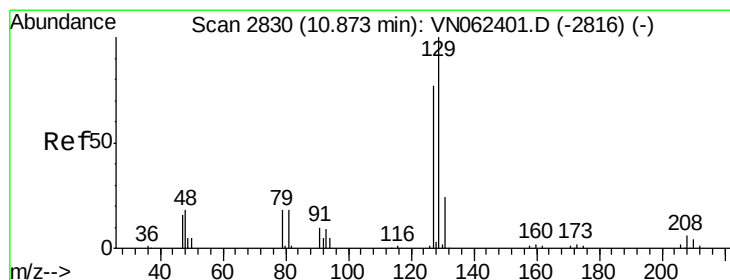
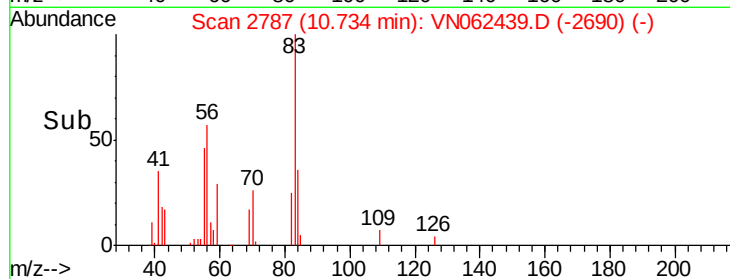
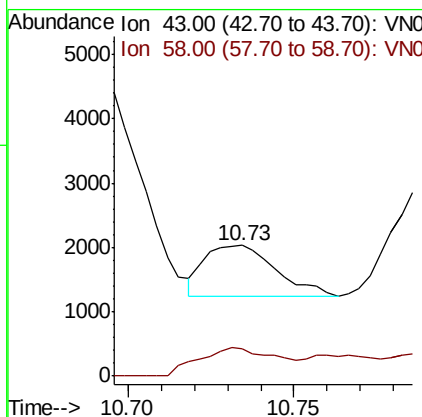
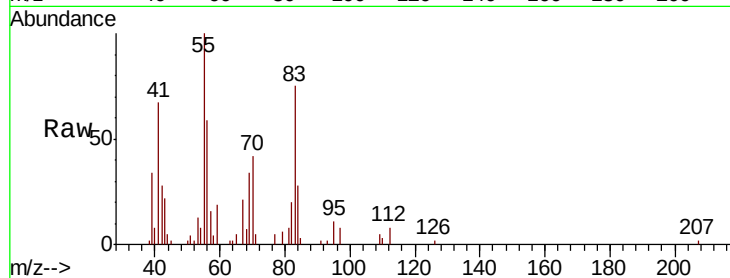




#59
2-Hexanone
Concen: 0.403 ug/l
RT: 10.73 min Scan# 2787
Delta R.T. 0.01 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

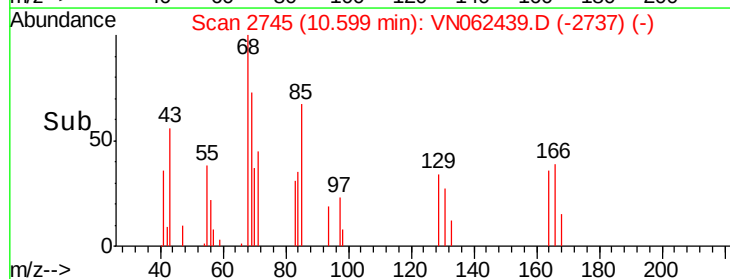
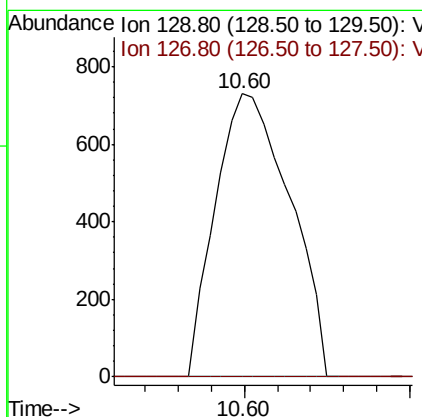
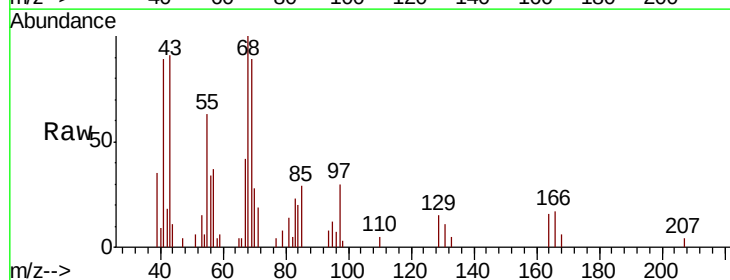
Instrument :
MSVOA_N
ClientSampled :
MW-3

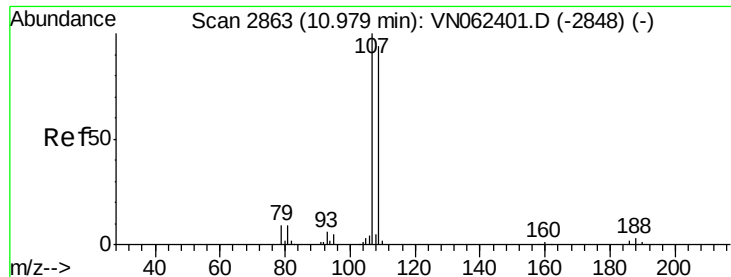
Tot Ion: 43 Resp: 1166
Ion Ratio Lower Upper
43 100
58 61.7 25.1 75.2



#60
Dibromochloromethane
Concen: 0.435 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.27 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion: 129 Resp: 1141
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

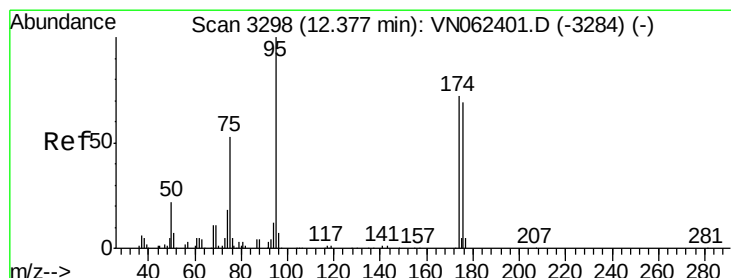
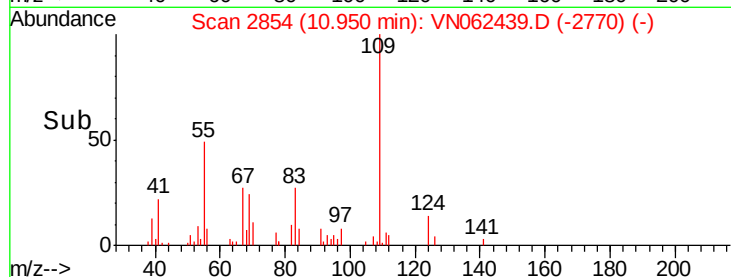
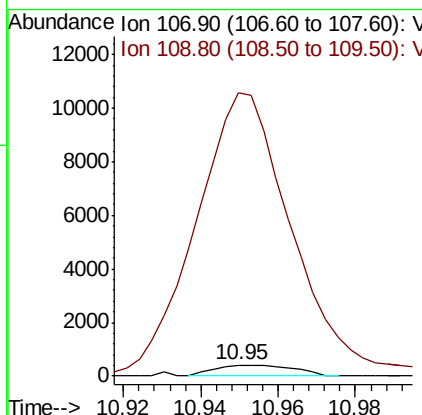
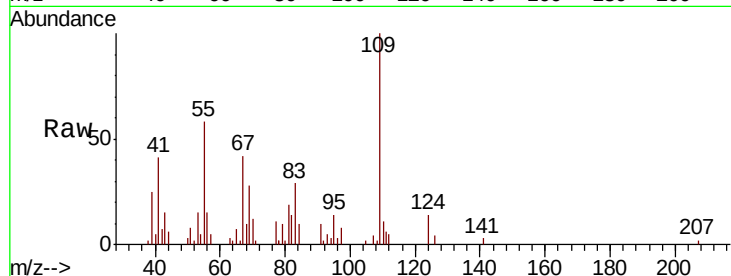




#61
 1,2-Dibromoethane
 Concen: 0.235 ug/l
 RT: 10.95 min Scan# 2854
 Delta R.T. -0.03 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

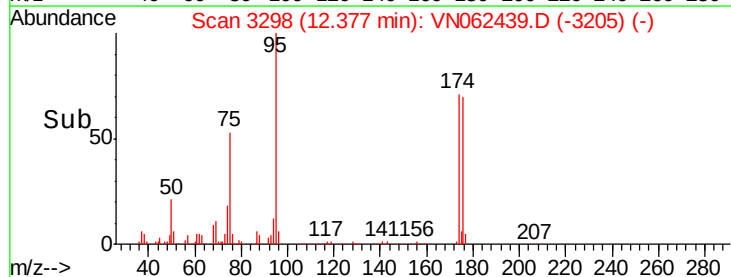
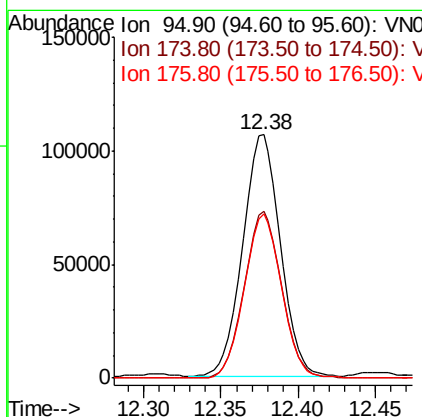
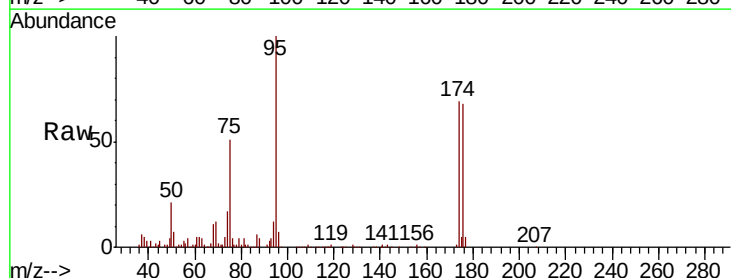
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

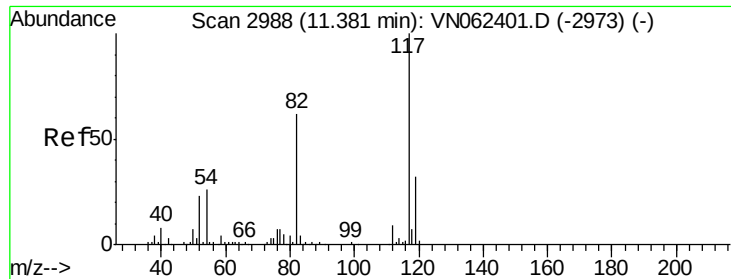
Tot Ion:107 Resp: 573
 Ion Ratio Lower Upper
 107 100
 109 3231.1 75.6 113.4#



#62
 4-Bromofluorobenzene
 Concen: 56.511 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion: 95 Resp: 180762
 Ion Ratio Lower Upper
 95 100
 174 68.5 0.0 141.6
 176 67.2 0.0 137.2

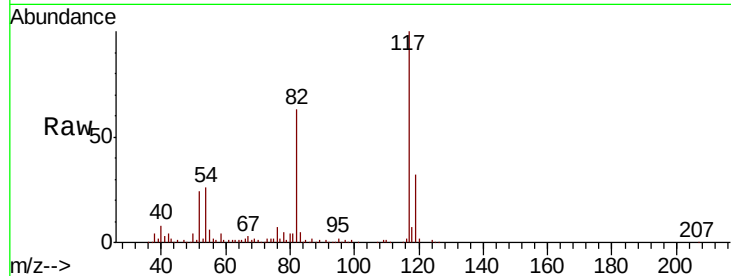




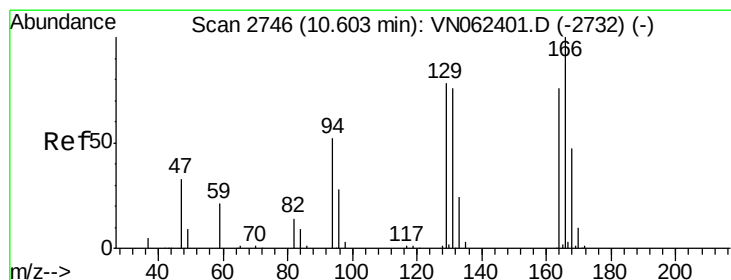
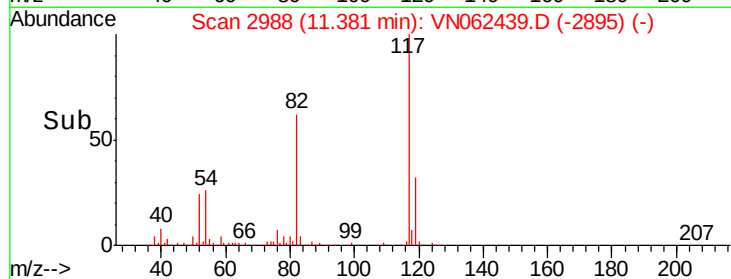
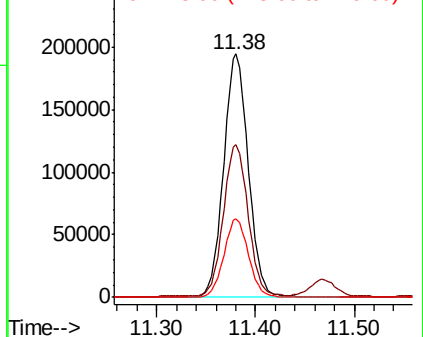
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion:117 Resp: 341765
Ion Ratio Lower Upper
117 100
82 62.1 49.6 74.4
119 32.5 25.4 38.0

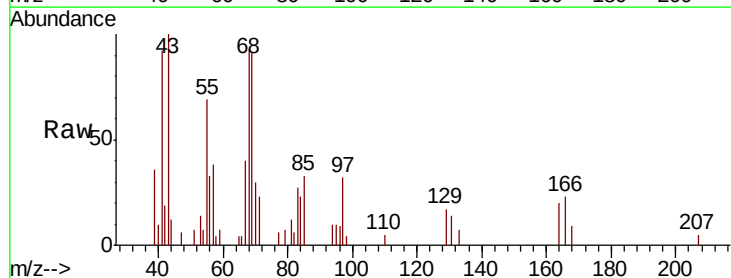


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

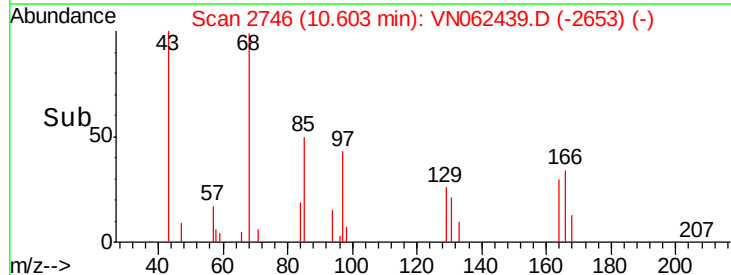
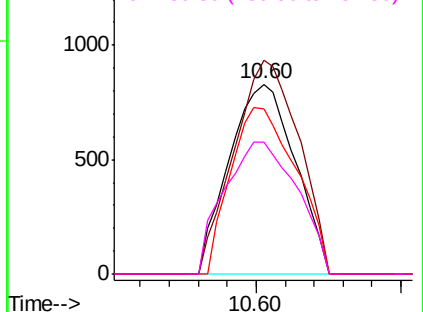


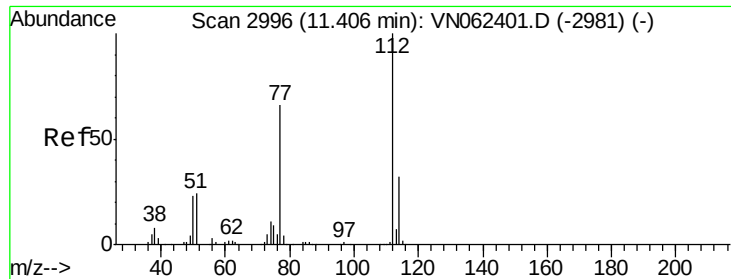
#64
Tetrachloroethene
Concen: 0.647 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion:164 Resp: 1312
Ion Ratio Lower Upper
164 100
166 112.5 104.9 157.3
129 86.9 81.8 122.6
131 69.3 79.3 118.9#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

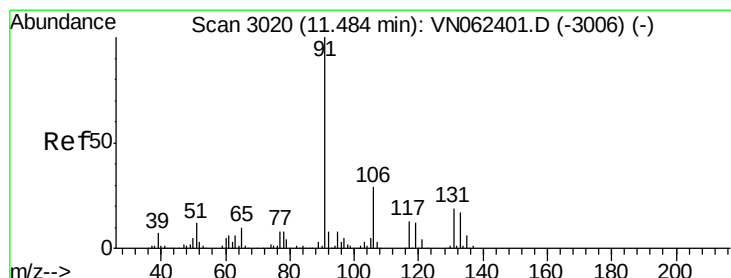
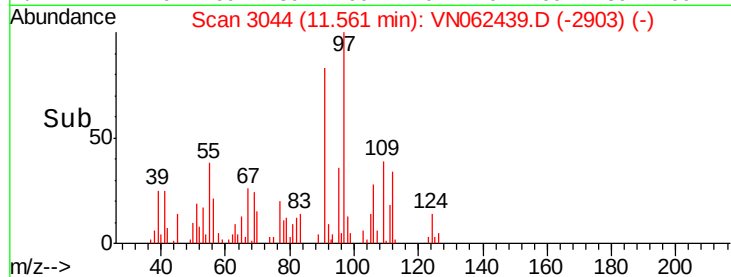
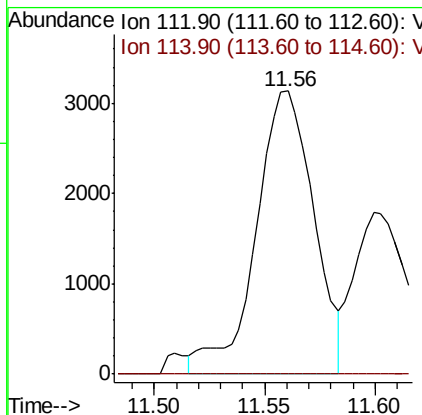
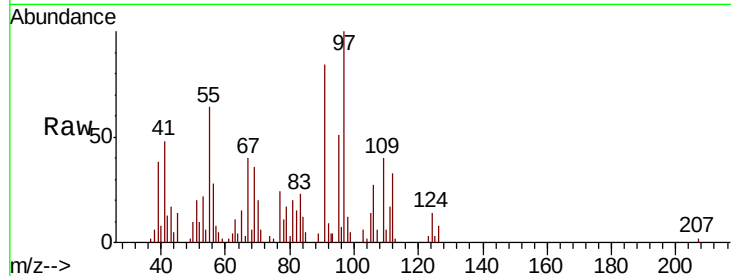




#65
Chlorobenzene
Concen: 0.860 ug/l
RT: 11.56 min Scan# 3044
Delta R.T. 0.15 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

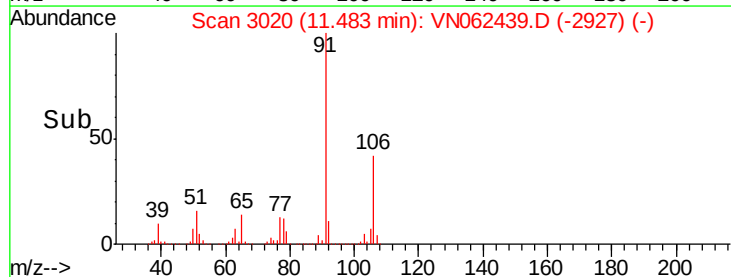
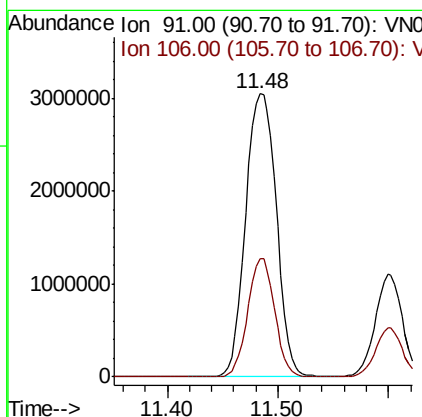
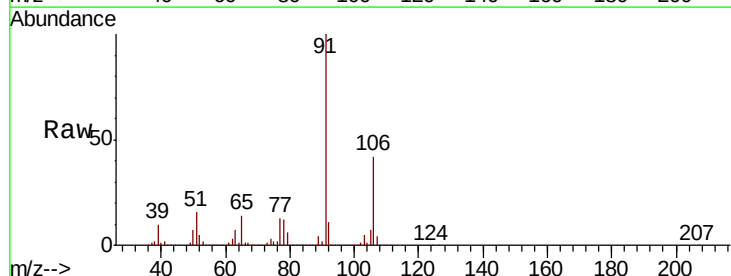
Instrument :
MSVOA_N
ClientSampled :
MW-3

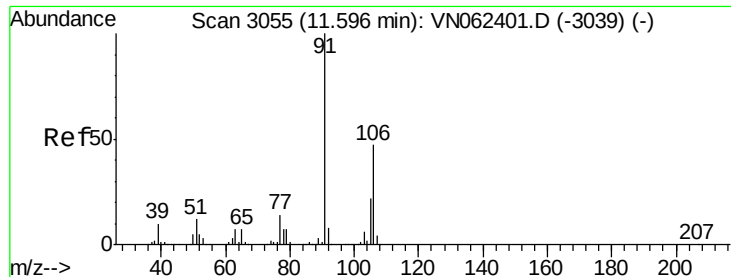
Tot Ion:112 Resp: 5715
Ion Ratio Lower Upper
112 100
114 0.0 25.9 38.9#



#67
Ethyl Benzene
Concen: 471.561 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion: 91 Resp: 5879486
Ion Ratio Lower Upper
91 100
106 41.8 23.4 35.2#

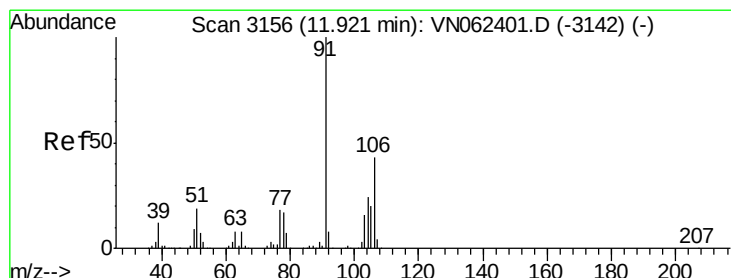
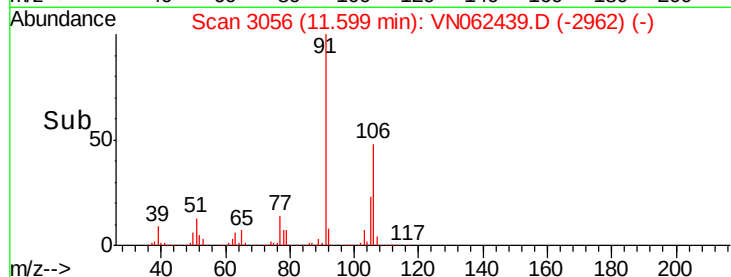
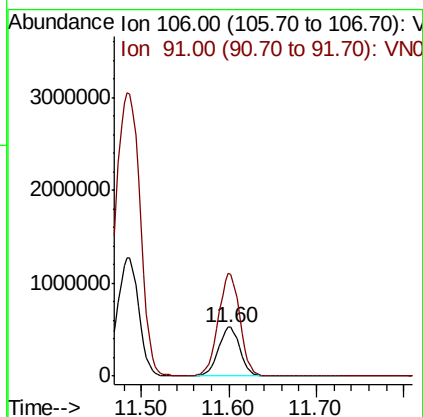
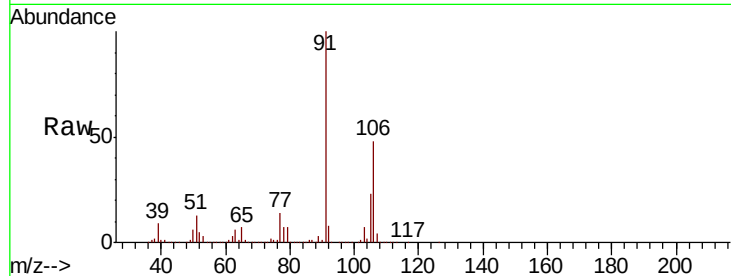




#68
m/p-Xylenes
Concen: 202.958 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

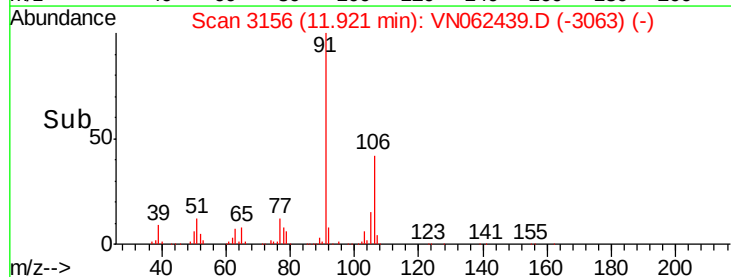
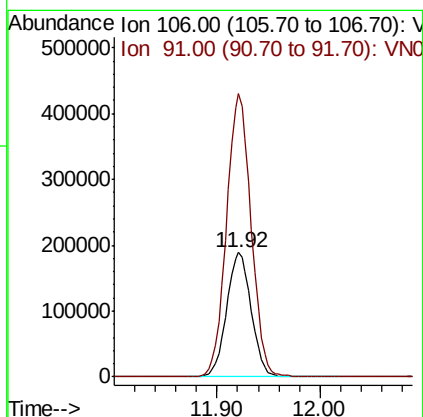
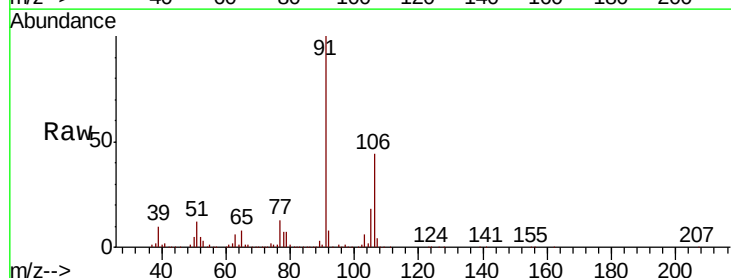
Instrument :
MSVOA_N
ClientSampled :
MW-3

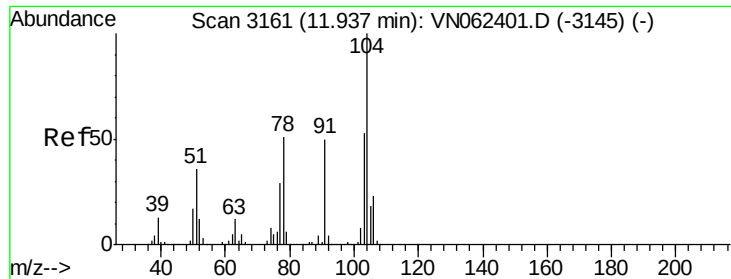
Tot Ion:106 Resp: 895818
Ion Ratio Lower Upper
106 100
91 211.3 172.4 258.6



#69
o-Xylene
Concen: 72.826 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion:106 Resp: 312970
Ion Ratio Lower Upper
106 100
91 227.3 113.8 341.4

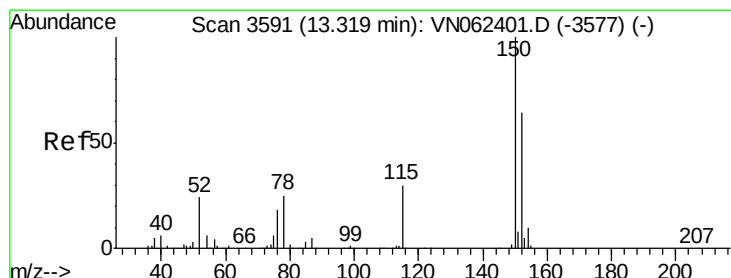
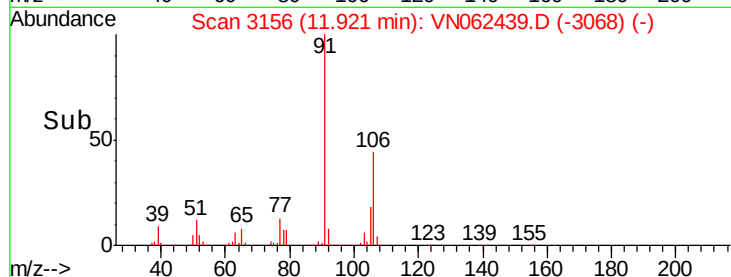
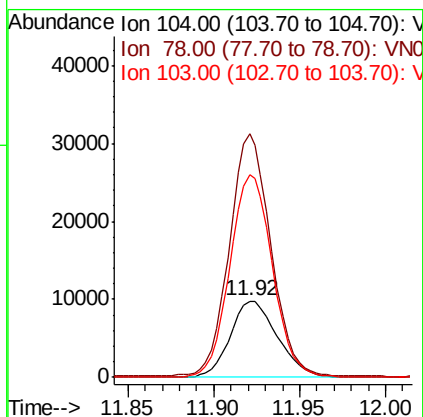
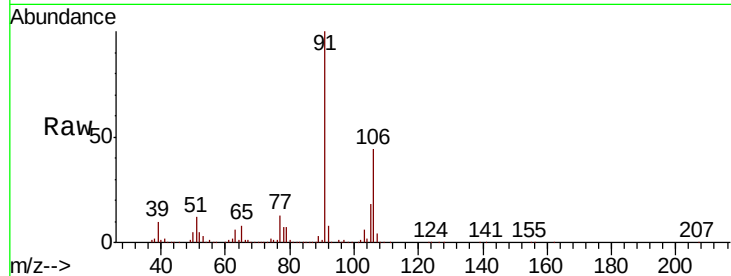




#70
Stvrene
Concen: 2.616 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.02 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

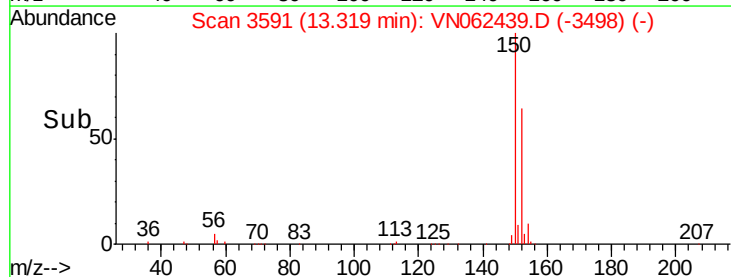
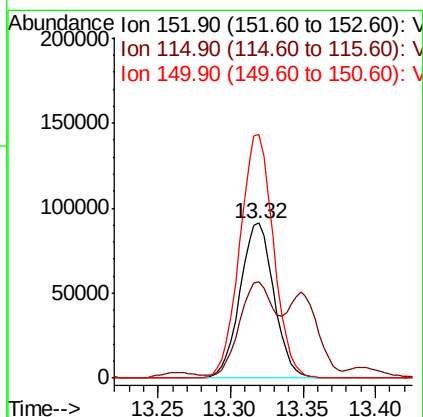
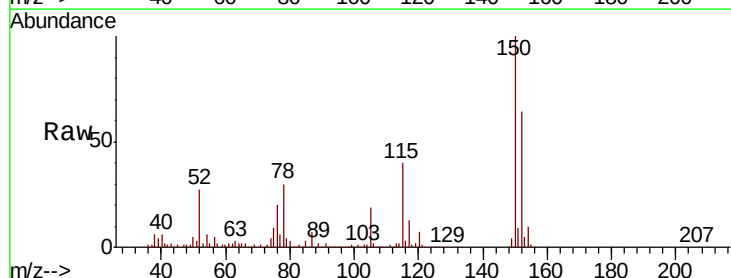
Instrument :
MSVOA_N
ClientSampled :
MW-3

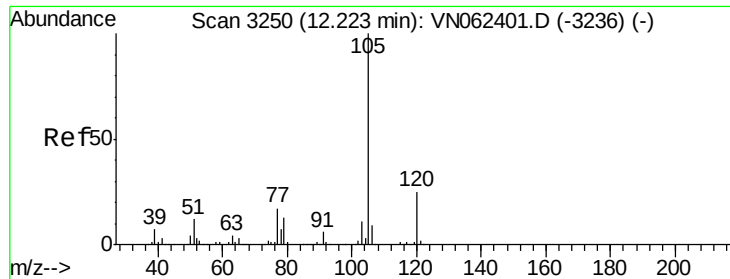
Tot Ion:104 Resp: 18578
Ion Ratio Lower Upper
104 100
78 287.4 44.2 66.4#
103 241.9 44.4 66.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion:152 Resp: 148382
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.2
150 156.6 0.0 347.4





#73

Isopropylbenzene

Concen: 34.590 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

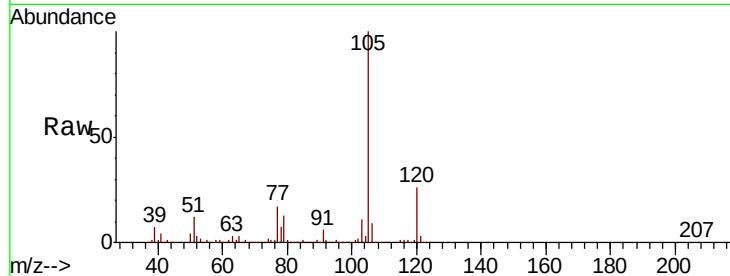
MW-3

Tot Ion:105 Resp: 397172

Ion Ratio Lower Upper

105 100

120 26.0 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

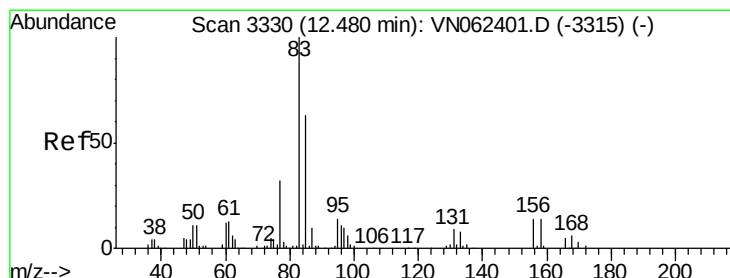
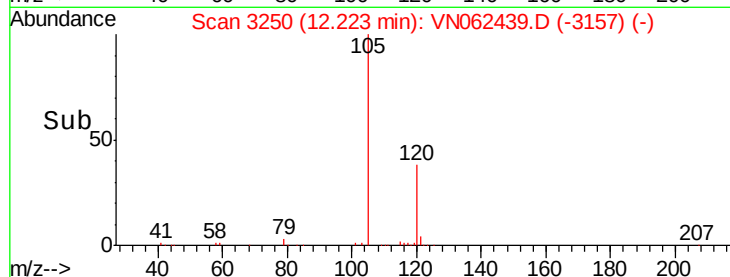
50000

0

12.22

12.30

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 0.522 ug/l

RT: 12.49 min Scan# 3334

Delta R.T. 0.01 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

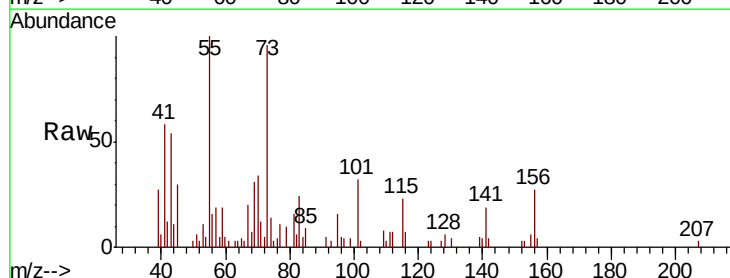
Tgt Ion: 83 Resp: 2014

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 5.3 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

1500

1000

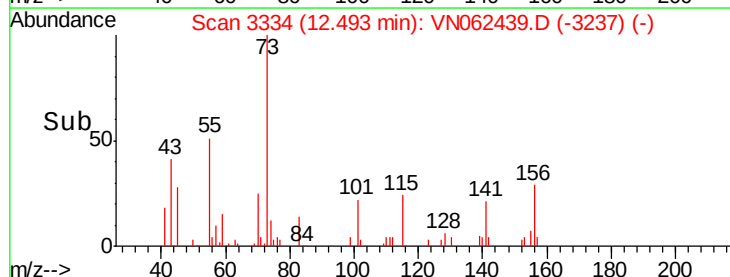
500

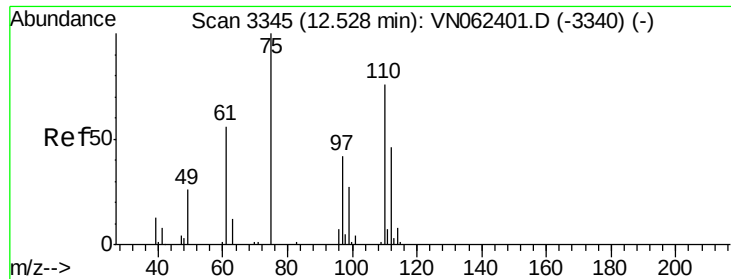
0

12.49

12.50

Time-->





#76

1,2,3-Trichloropropane

Concen: 1.900 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.04 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

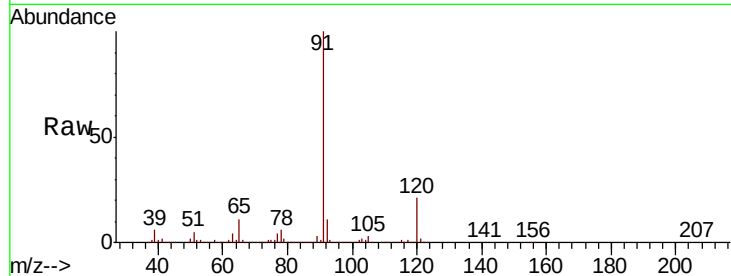
MW-3

Tot Ion: 75 Resp: 6918

Ion Ratio Lower Upper

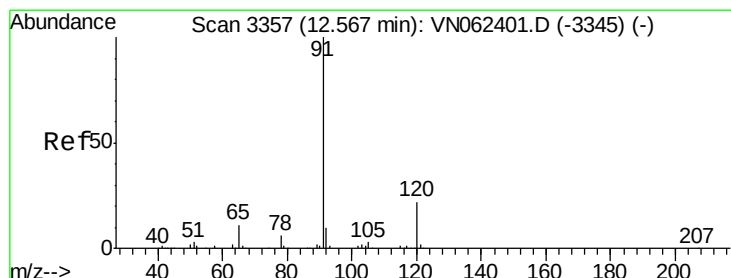
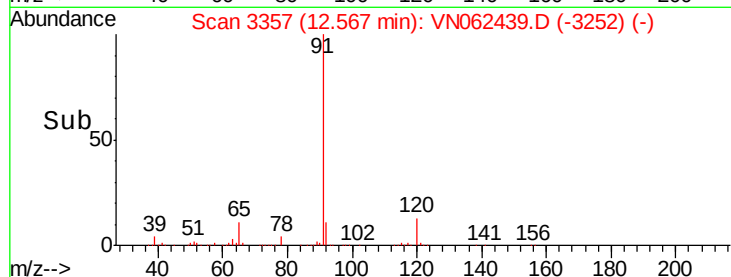
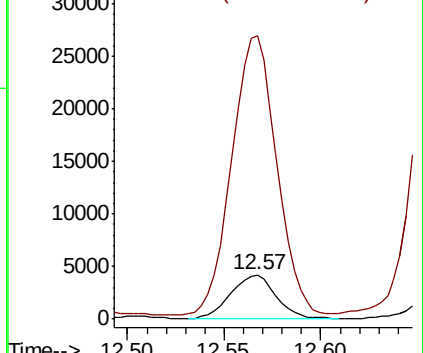
75 100

77 618.3 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: 78.746 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062439.D

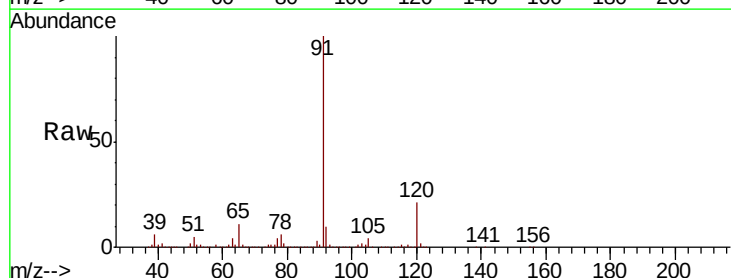
Acq: 9 Jul 2020 5:11

Tgt Ion: 91 Resp: 1056173

Ion Ratio Lower Upper

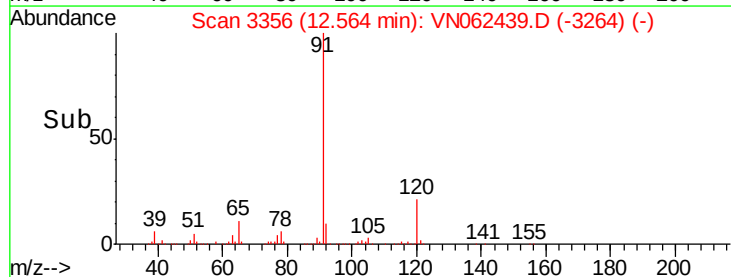
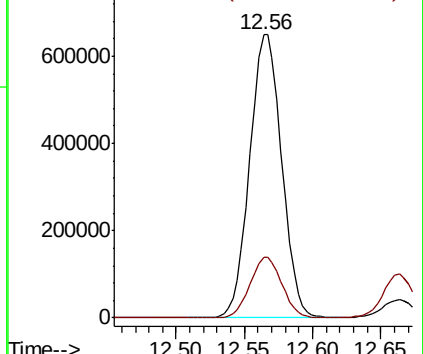
91 100

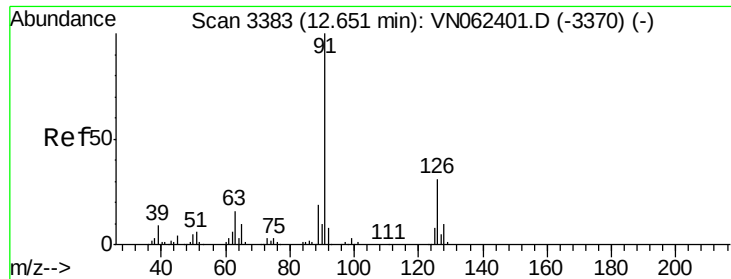
120 21.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

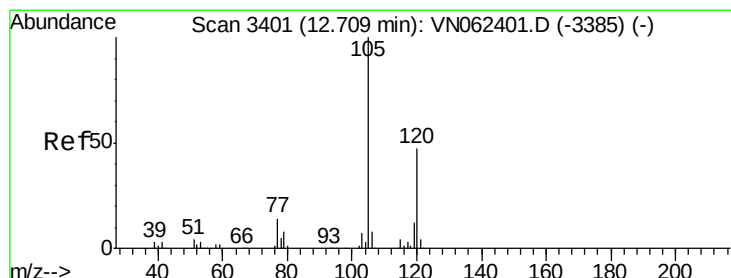
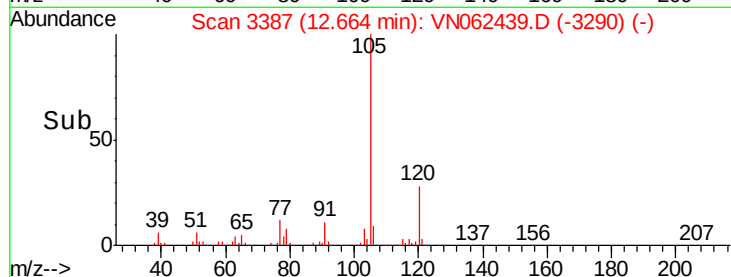
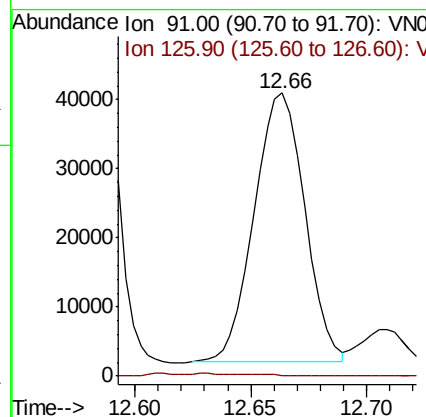
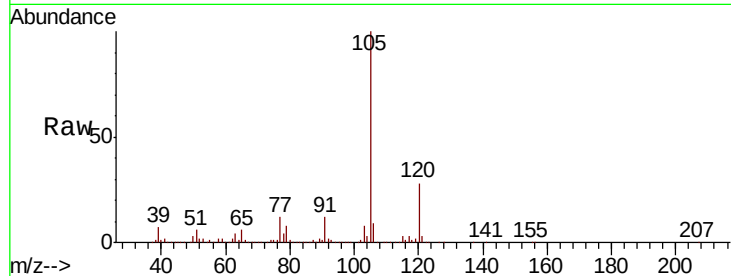




#79
 2-Chlorotoluene
 Concen: 7.254 ug/l
 RT: 12.66 min Scan# 3387
 Delta R.T. 0.01 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

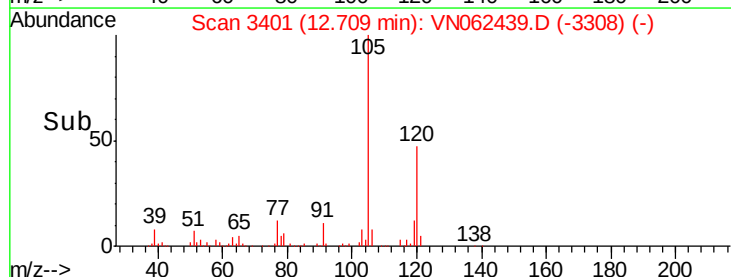
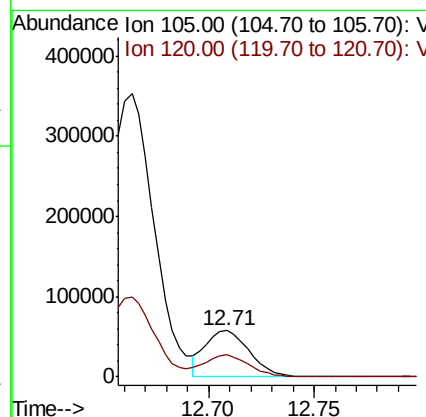
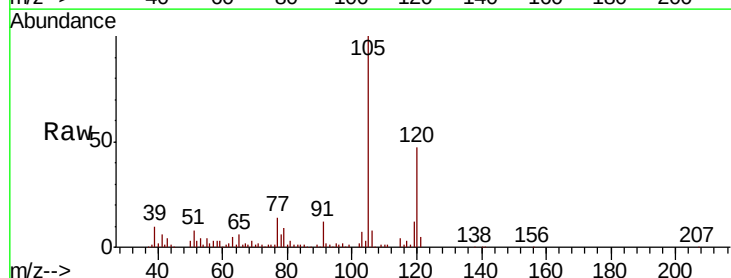
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

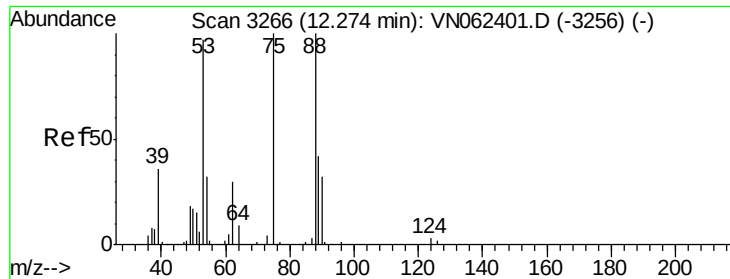
Tot Ion: 91 Resp: 59050
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.6 46.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 8.867 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion: 105 Resp: 83464
 Ion Ratio Lower Upper
 105 100
 120 50.5 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 3.818 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.05 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

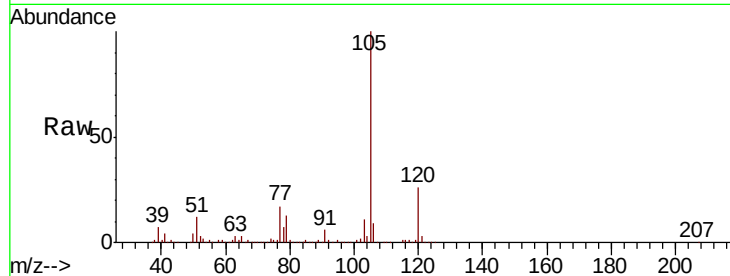
Tot Ion: 75 Resp: 5194

Ion Ratio Lower Upper

75 100

53 108.5 79.2 118.8

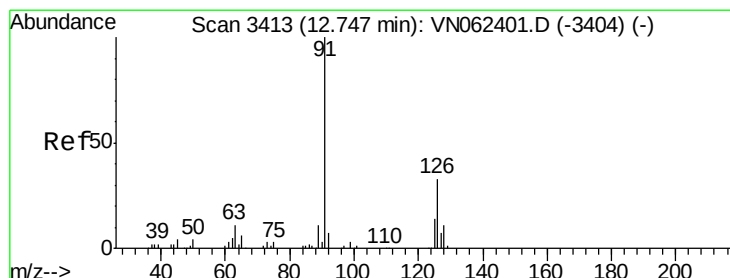
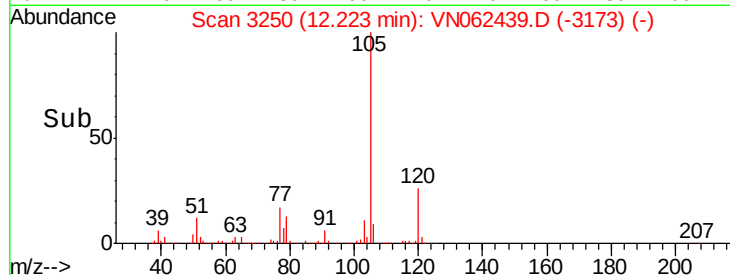
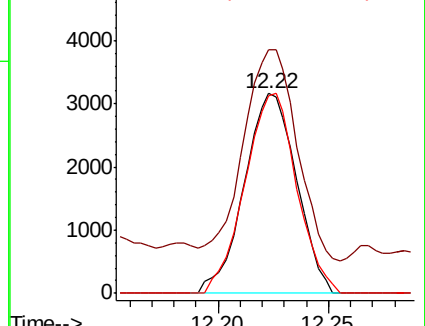
89 99.5 34.6 52.0#



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: 7.145 ug/l

RT: 12.66 min Scan# 3387

Delta R.T. -0.08 min

Lab File: VN062439.D

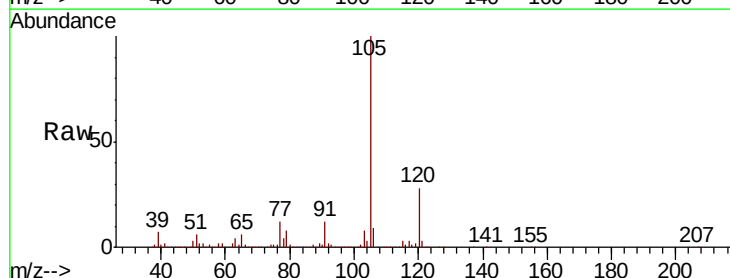
Acq: 9 Jul 2020 5:11

Tgt Ion: 91 Resp: 59050

Ion Ratio Lower Upper

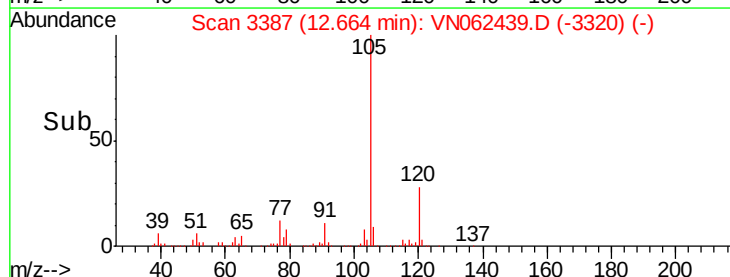
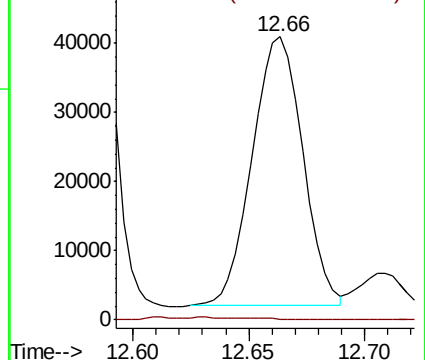
91 100

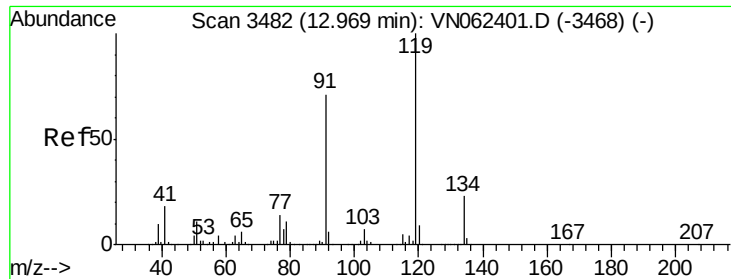
126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

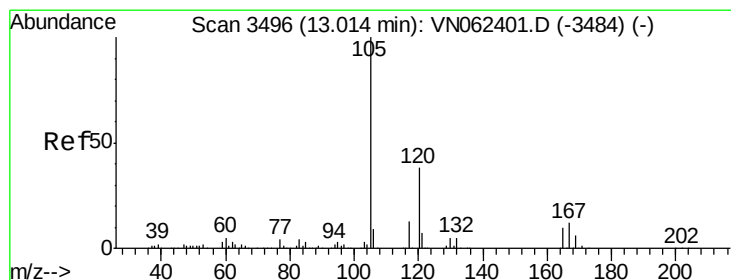
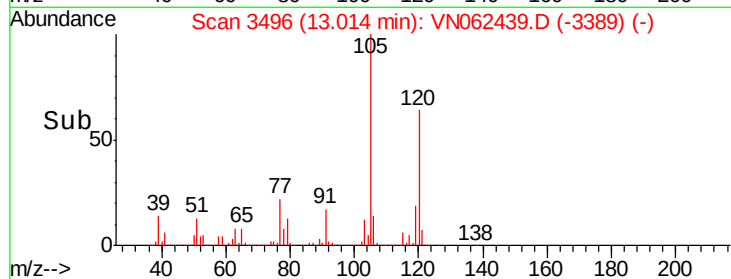
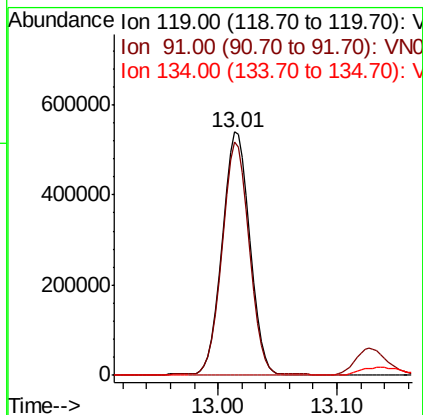
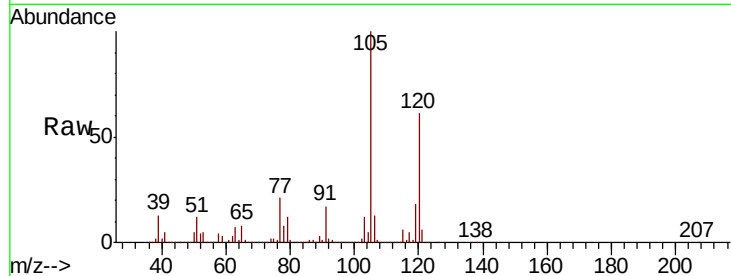




#83
 tert-Butylbenzene
 Concen: 108.569 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.05 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

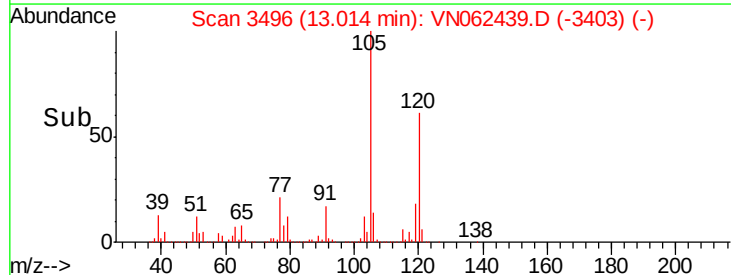
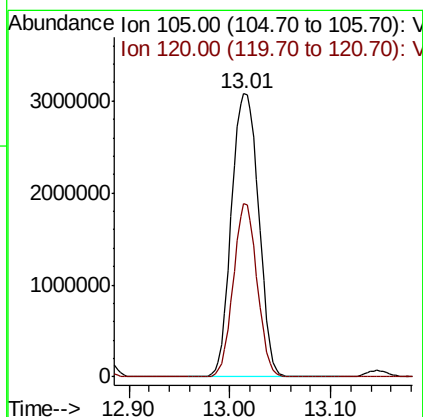
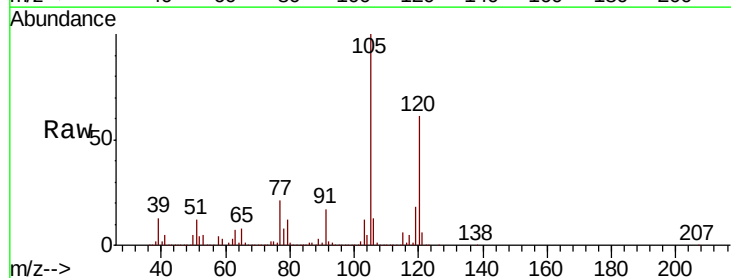
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

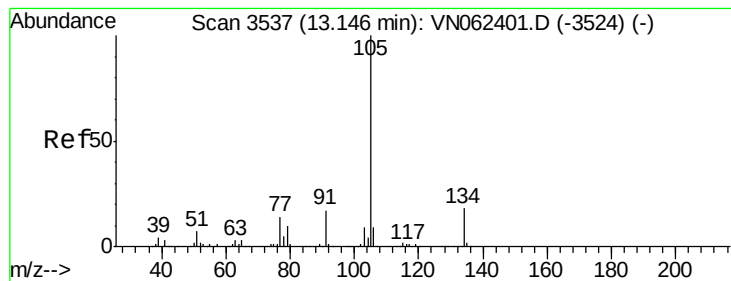
Tot Ion:119 Resp: 867237
 Ion Ratio Lower Upper
 119 100
 91 94.5 34.8 104.3
 134 0.0 11.7 35.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 617.283 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion:105 Resp: 5775376
 Ion Ratio Lower Upper
 105 100
 120 53.5 21.6 64.8





#85

sec-Butylbenzene

Concen: 545.631 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.13 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

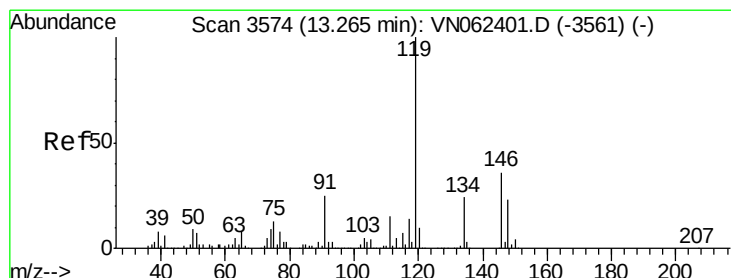
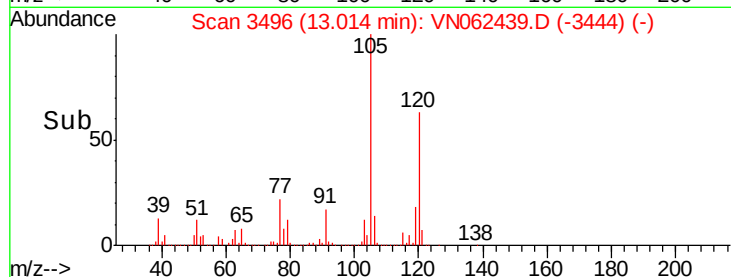
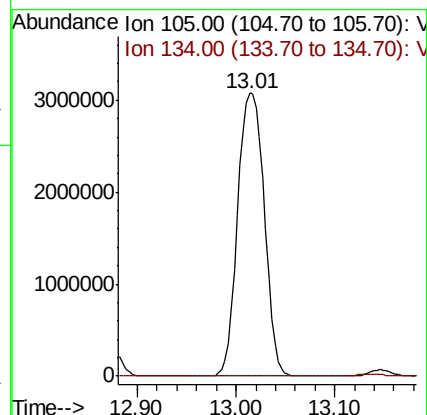
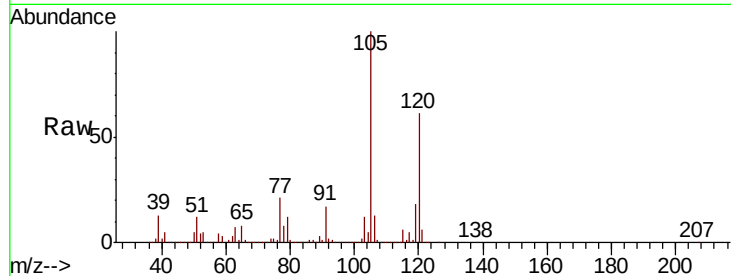
MW-3

Tot Ion:105 Resp: 5775455

Ion Ratio Lower Upper

105 100

134 0.0 9.3 28.0#



#86

p-Isopropyltoluene

Concen: 6.195 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

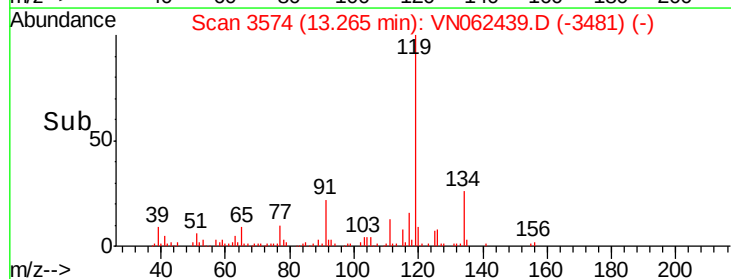
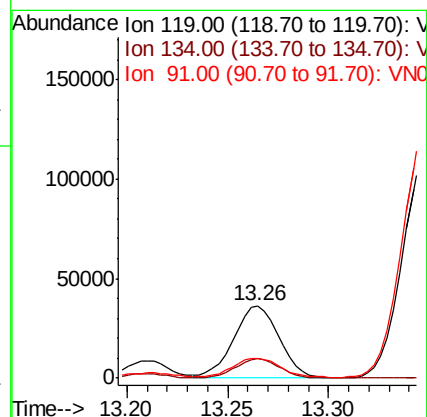
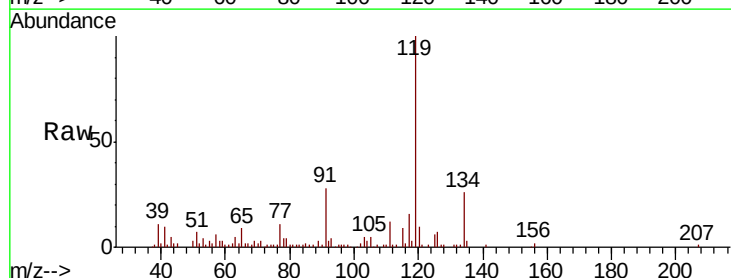
Tgt Ion:119 Resp: 56598

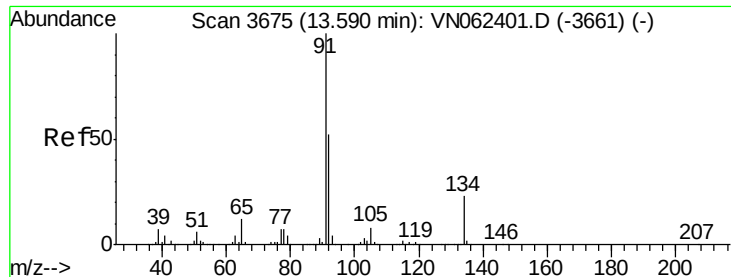
Ion Ratio Lower Upper

119 100

134 26.0 12.4 37.0

91 0.0 12.4 37.4#





#89

n-Butylbenzene

Concen: 27.730 ug/l

RT: 13.59 min Scan# 3674

Delta R.T. -0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

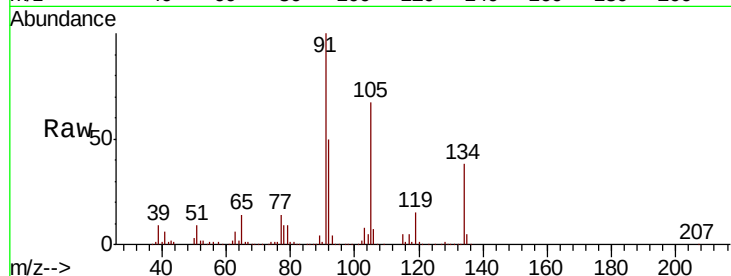
Tot Ion: 91 Resp: 223684

Ion Ratio Lower Upper

91 100

92 40.2 25.9 77.7

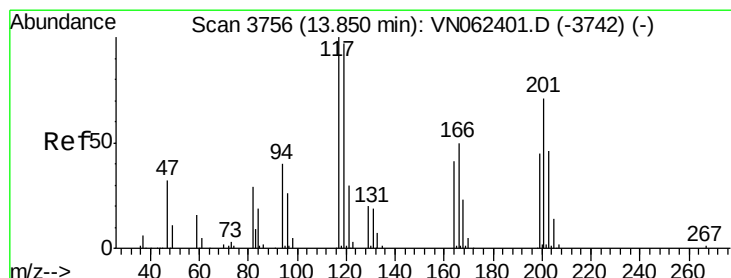
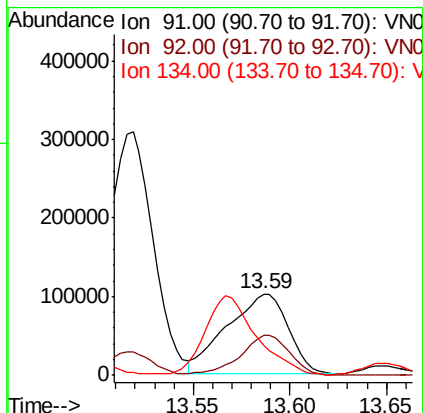
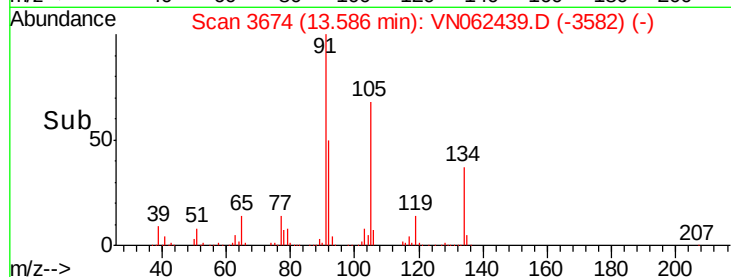
134 0.0 11.6 34.8#



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN062401.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN062401.D (-3661) (-)



#90

Hexachloroethane

Concen: 40.792 ug/l

RT: 13.86 min Scan# 3760

Delta R.T. 0.01 min

Lab File: VN062439.D

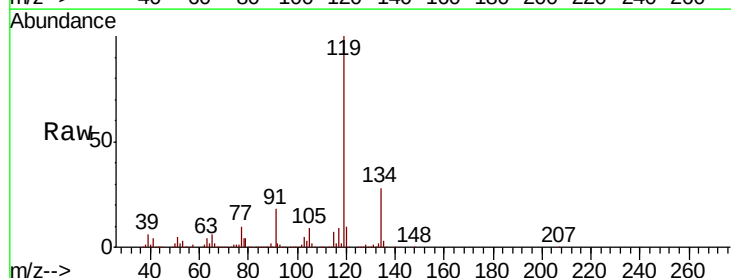
Acq: 9 Jul 2020 5:11

Tgt Ion: 117 Resp: 73308

Ion Ratio Lower Upper

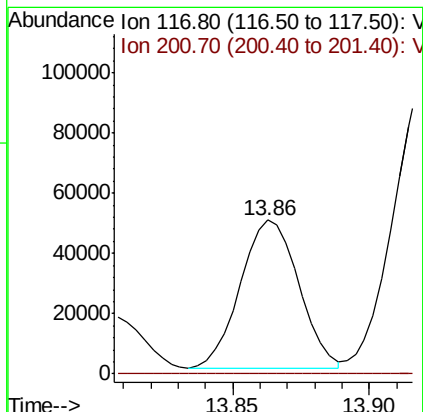
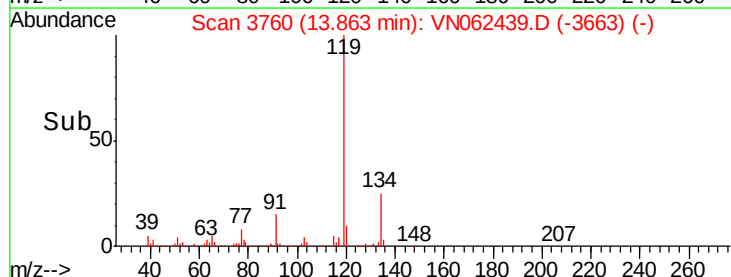
117 100

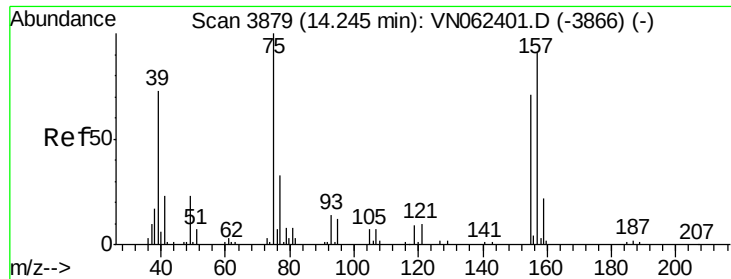
201 0.0 35.4 106.2#



Abundance Ion 116.80 (116.50 to 117.50): VN062401.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062401.D (-3742) (-)

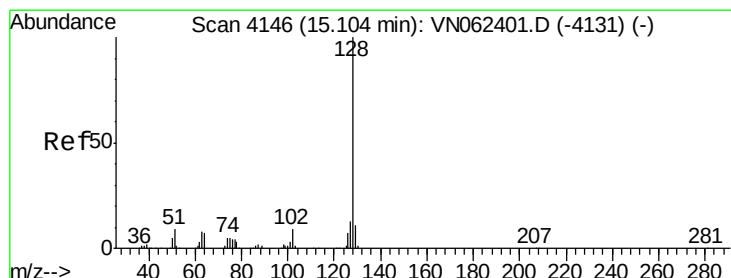
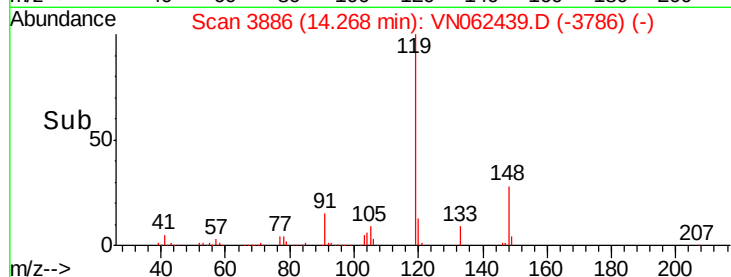
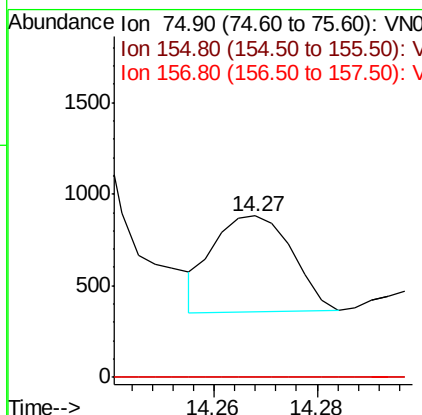
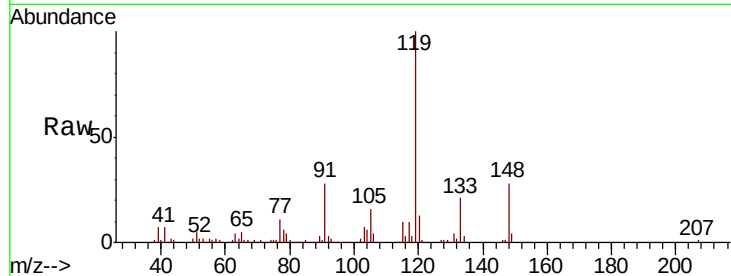




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.795 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.02 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tot Ion: 75 Resp: 560
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.2 105.6#
 157 0.0 45.8 137.3#



#95
 Naphthalene
 Concen: 268.038 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion: 128 Resp: 2526727
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.2
 129 10.9 8.6 12.8

