

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062440.D
 Acq On : 9 Jul 2020 5:35
 Operator : JC/MD
 Sample : L3215-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Quant Time: Jul 09 06:13:52 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	210593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	369292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	350743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154364	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	154213	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
35) Dibromofluoromethane	7.55	113	116358	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	10.06	98	481305	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
62) 4-Bromofluorobenzene	12.38	95	184070	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	945	0.275	ug/l #	86
11) Tert butyl alcohol	4.73	59	8763	16.309	ug/l #	74
13) Acrolein	3.53	56	30314	78.207	ug/l #	1
14) Allyl chloride	4.38	41	57236	11.259	ug/l #	13
15) Acrylonitrile	5.00	53	26263	18.637	ug/l #	37
16) Acetone	3.76	43	68951	50.138	ug/l #	61
17) Carbon Disulfide	4.01	76	2078	0.307	ug/l #	75
18) Methyl Acetate	4.54	43	964407	281.009	ug/l #	56
19) Methyl tert-butyl Ether	5.00	73	401431	48.984	ug/l #	1
20) Methylene Chloride	4.37	84	5751	1.956	ug/l #	1
22) Diisopropyl ether	5.90	45	9141	0.910	ug/l #	62
23) Vinyl Acetate	5.81	43	5045	0.606	ug/l #	76
25) 2-Butanone	6.79	43	10606	5.281	ug/l #	77
26) 2,2-Dichloropropane	6.58	77	5666	1.424	ug/l #	54
27) cis-1,2-Dichloroethene	6.79	96	575	0.212	ug/l	70
28) Bromochloromethane	7.35	49	1159	0.411	ug/l #	24
29) Tetrahydrofuran	7.17	42	667	0.493	ug/l #	39
30) Chloroform	7.28	83	24037	5.130	ug/l #	18
31) Cyclohexane	7.61	56	359424	73.052	ug/l	97
36) 1,1-Dichloropropene	7.63	75	18666	5.017	ug/l #	51
37) Ethyl Acetate	6.79	43	10606	2.438	ug/l #	82
38) Carbon Tetrachloride	7.63	117	21820	6.523	ug/l #	15
39) Methylcyclohexane	9.05	83	452819	114.001	ug/l	98
40) Benzene	8.00	78	7466768	680.942	ug/l #	87
41) Methacrylonitrile	7.17	41	7609	4.186	ug/l #	37
42) 1,2-Dichloroethane	8.00	62	75509	18.806	ug/l	98
43) Isopropyl Acetate	8.11	43	104569	15.215	ug/l #	57
44) Trichloroethene	8.80	130	869	0.357	ug/l	71
46) Dibromomethane	9.12	93	765	0.426	ug/l #	1
47) Bromodichloromethane	9.35	83	17196	4.477	ug/l #	25
48) Methyl methacrylate	9.11	41	21102	6.259	ug/l #	41
51) 4-Methyl-2-Pentanone	9.99	43	6259	1.525	ug/l #	74
52) Toluene	10.13	92	2202227	347.698	ug/l	93
53) t-1,3-Dichloropropene	10.13	75	28407	6.602	ug/l #	1

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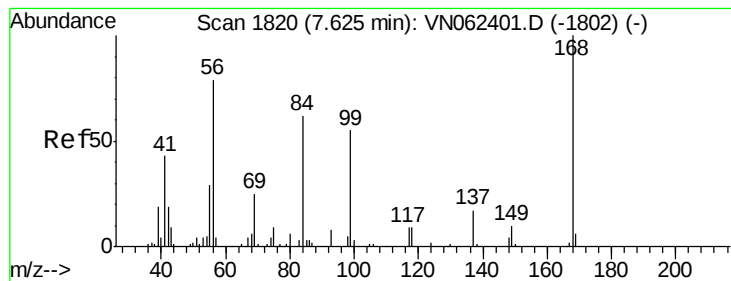
Instrument :
 MSVOA_N
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

55) 1,1,2-Trichloroethane	10.50	97	66005	26.497	ug/l #	18
56) Ethyl methacrylate	10.40	69	6516	3.085	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.63	63	377	0.255	ug/l #	54
59) 2-Hexanone	10.78	43	5255	1.763	ug/l	83
60) Dibromochloromethane	10.60	129	2110	0.781	ug/l #	11
64) Tetrachloroethene	10.60	164	2034	0.977	ug/l	95
67) Ethyl Benzene	11.48	91	4774870	373.163	ug/l #	88
68) m/p-Xylenes	11.60	106	8047970	1776.684	ug/l #	51
69) o-Xylene	11.92	106	3652781	828.226	ug/l	70
70) Styrene	11.92	104	201272	27.613	ug/l #	1
73) Isopropylbenzene	12.22	105	304414	25.485	ug/l	99
74) N-amyl acetate	12.01	43	1248	0.215	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.49	83	2371	0.590	ug/l #	25
76) 1,2,3-Trichloropropane	12.57	75	3412	0.901	ug/l #	100
78) n-propylbenzene	12.57	91	496707	35.598	ug/l	99
79) 2-Chlorotoluene	12.66	91	220667	26.057	ug/l #	44
80) 1,3,5-Trimethylbenzene	12.71	105	2515823	256.919	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.22	75	3967	2.803	ug/l #	47
82) 4-Chlorotoluene	12.71	91	276570	32.169	ug/l #	44
83) tert-Butylbenzene	13.02	119	1120784	134.873	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.02	105	6624950	680.647	ug/l	77
85) sec-Butylbenzene	13.02	105	6624950	601.632	ug/l #	58
86) p-Isopropyltoluene	13.26	119	43244	4.550	ug/l #	73
89) n-Butylbenzene	13.56	91	204601	24.381	ug/l #	1
90) Hexachloroethane	13.86	117	99215	53.069	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.22	75	7415	10.117	ug/l #	8
95) Naphthalene	15.10	128	1312191	165.353	ug/l	100

(#) = 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: VN062440.D

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ClientSampleId :

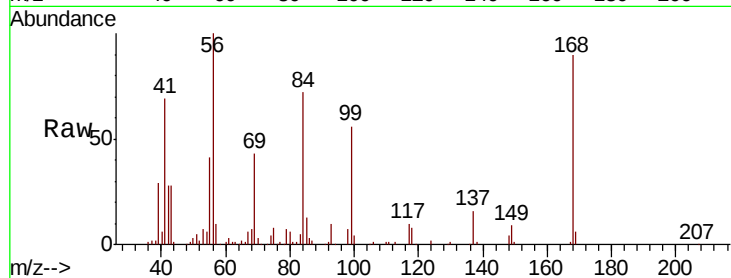
MW-6

Tot Ion:168 Resp: 210593

Ion Ratio Lower Upper

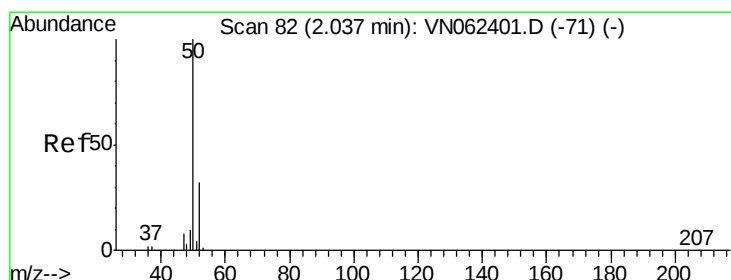
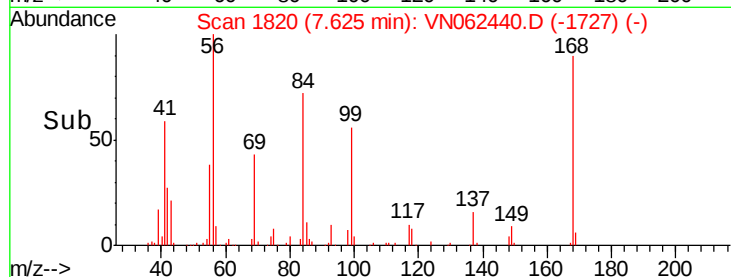
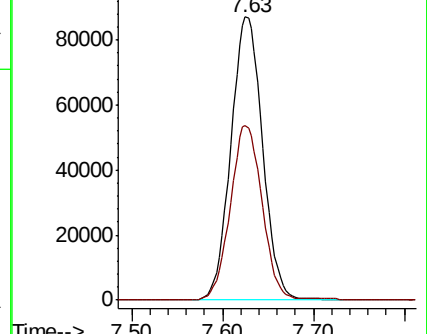
168 100

99 61.9 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): VN062440.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062440.D (-1727) (-)



#3

Chloromethane

Concen: 0.275 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062440.D

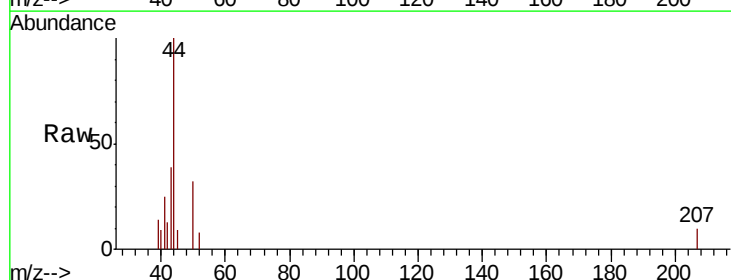
Acq: 9 Jul 2020 5:35

Tgt Ion: 50 Resp: 945

Ion Ratio Lower Upper

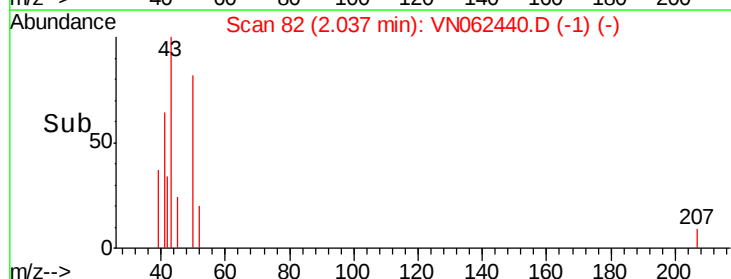
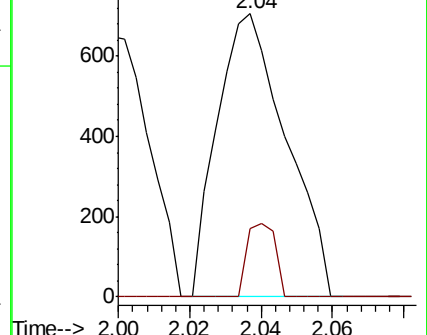
50 100

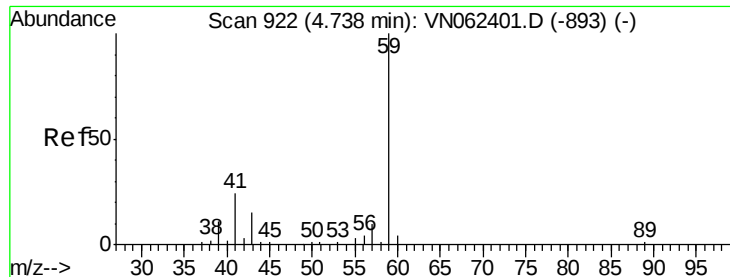
52 24.1 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN062440.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN062440.D (-1) (-)

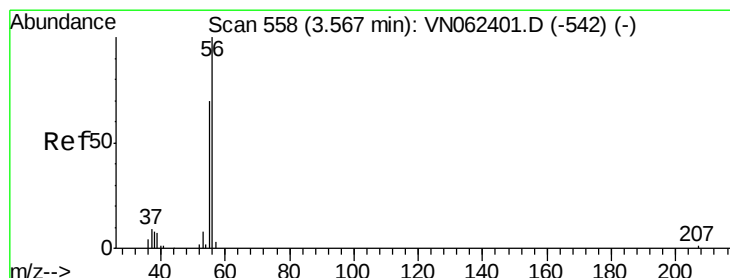
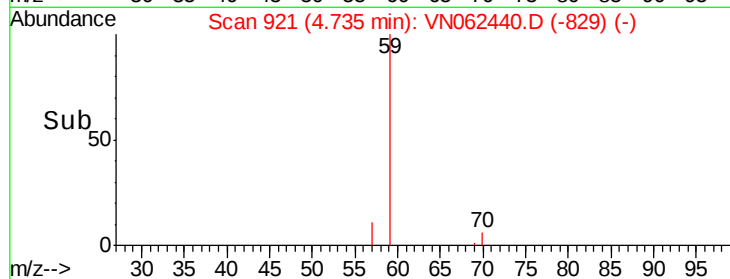
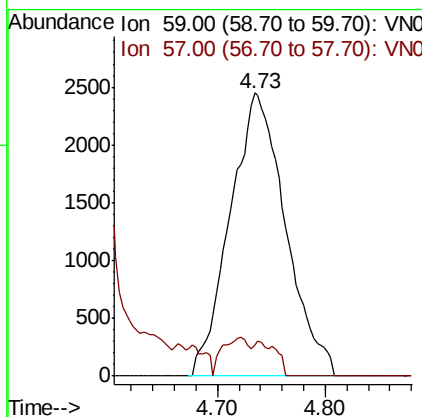
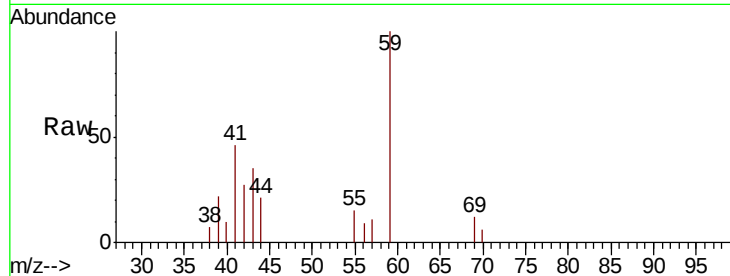




#11
Tert butyl alcohol
Concen: 16.309 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

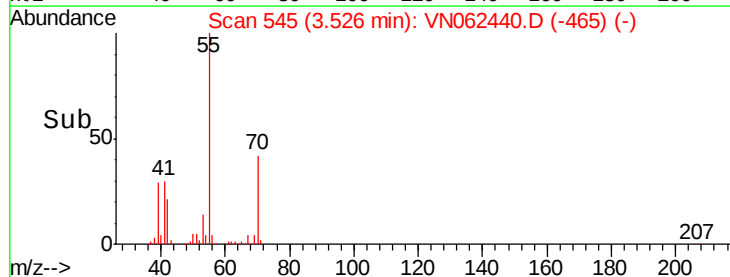
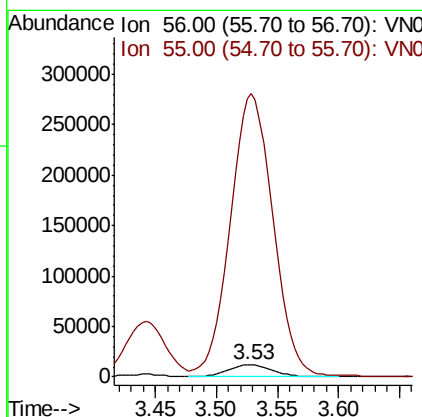
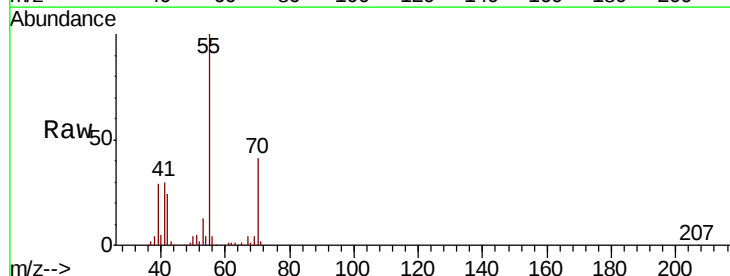
Instrument :
MSVOA_N
ClientSampled :
MW-6

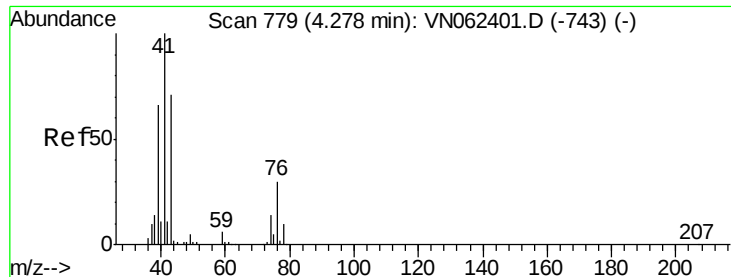
Tot Ion: 59 Resp: 8763
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: 78.207 ug/l
RT: 3.53 min Scan# 545
Delta R.T. -0.04 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 56 Resp: 30314
Ion Ratio Lower Upper
56 100
55 2241.2 57.2 85.8#





#14

Allvl chloride

Concen: 11.259 ug/l

RT: 4.38 min Scan# 811

Delta R.T. 0.10 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

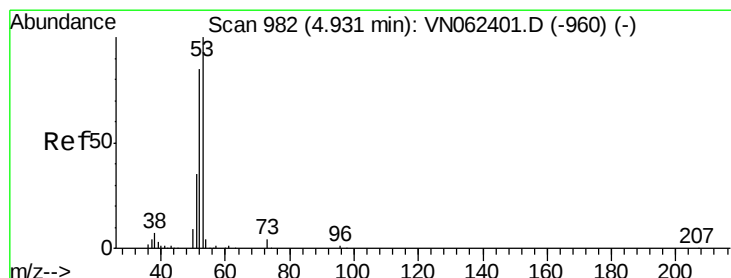
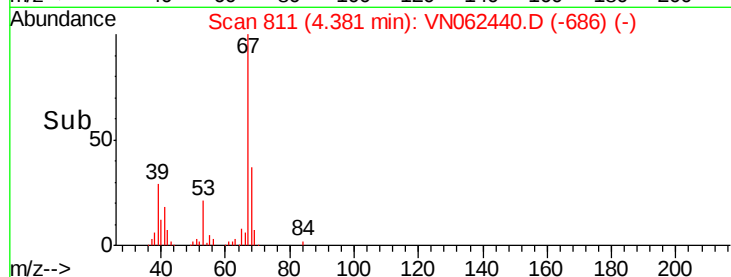
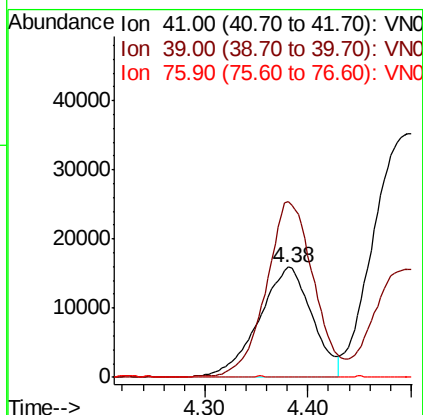
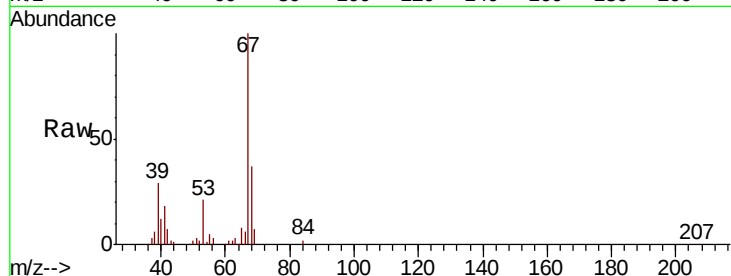
Tot Ion: 41 Resp: 57236

Ion Ratio Lower Upper

41 100

39 140.7 49.6 74.4#

76 0.0 22.2 33.4#



#15

Acrylonitrile

Concen: 18.637 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.07 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

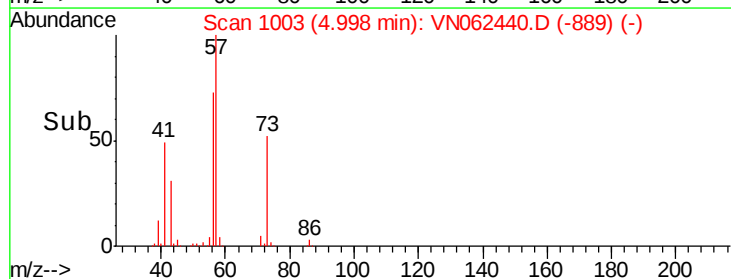
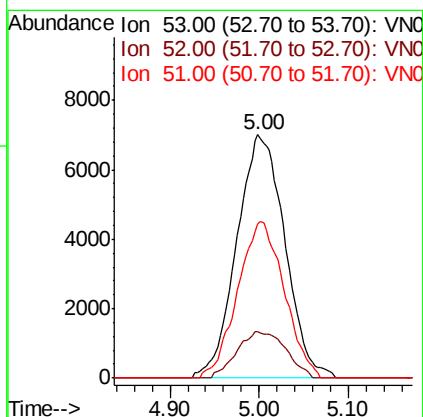
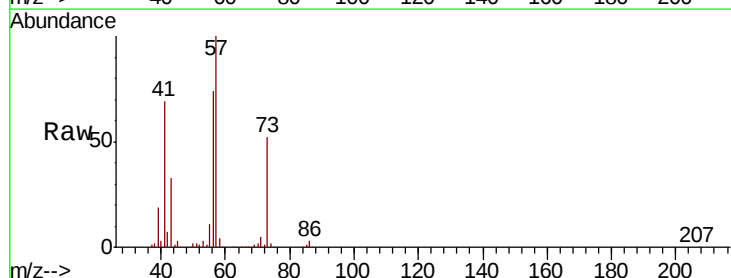
Tgt Ion: 53 Resp: 26263

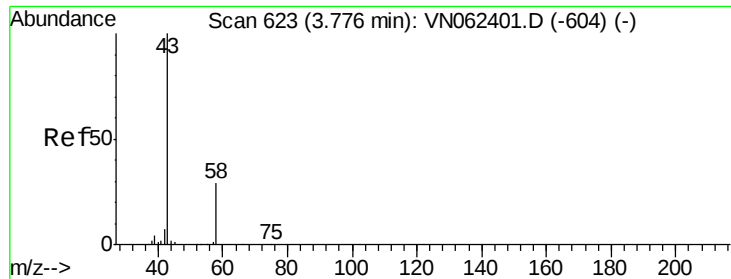
Ion Ratio Lower Upper

53 100

52 19.5 66.2 99.4#

51 62.3 28.7 43.1#

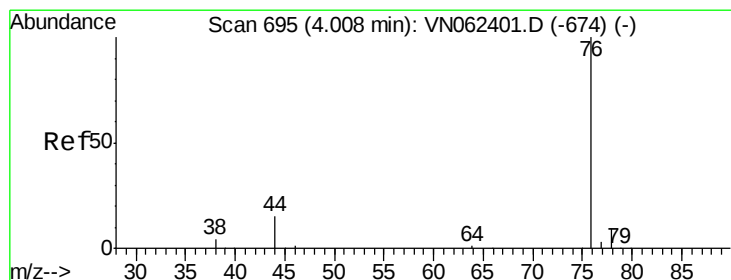
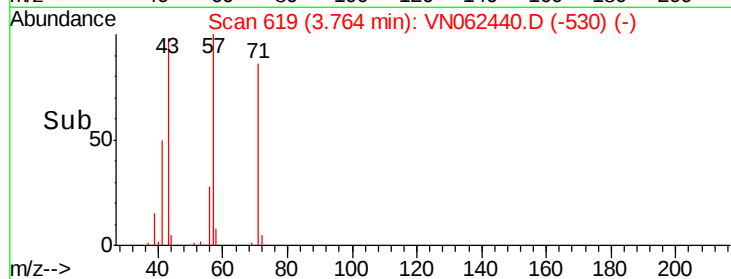
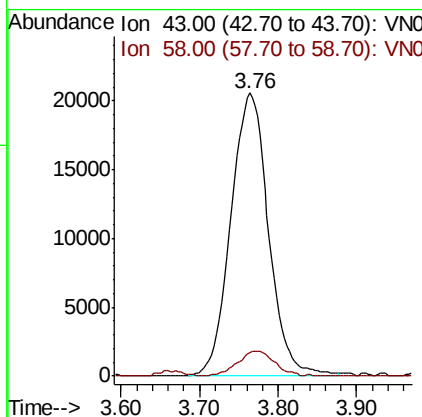
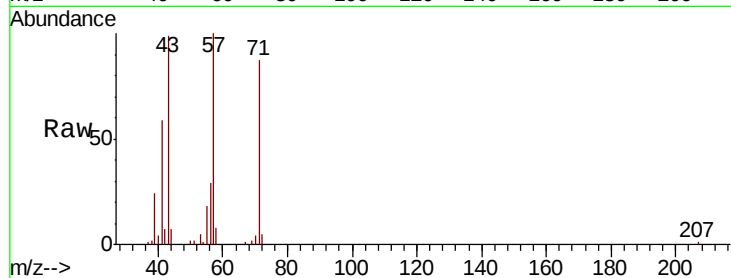




#16
Acetone
Concen: 50.138 ug/l
RT: 3.76 min Scan# 619
Delta R.T. -0.01 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

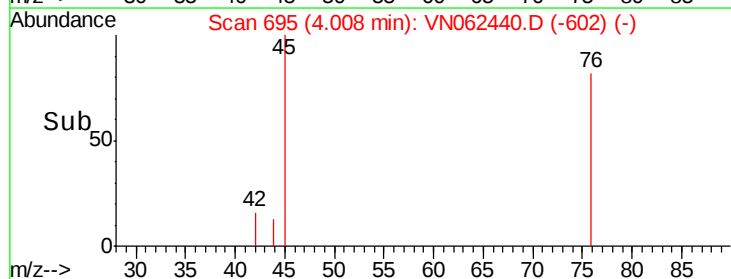
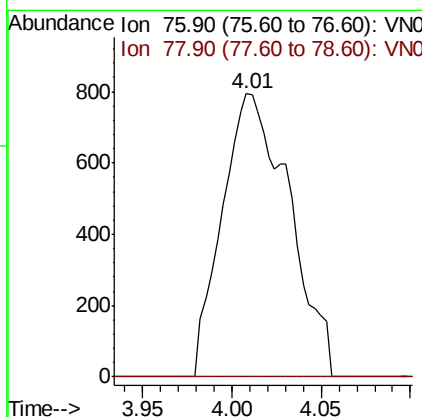
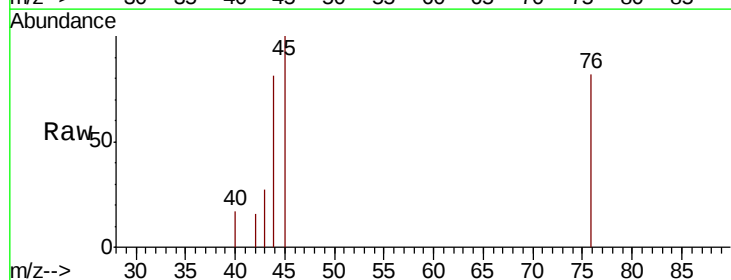
Instrument :
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ClientSampled :
MW-6

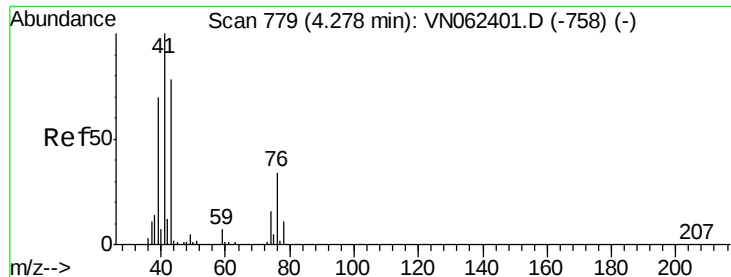
Tot Ion: 43 Resp: 68951
Ion Ratio Lower Upper
43 100
58 8.4 23.5 35.3#



#17
Carbon Disulfide
Concen: 0.307 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 76 Resp: 2078
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

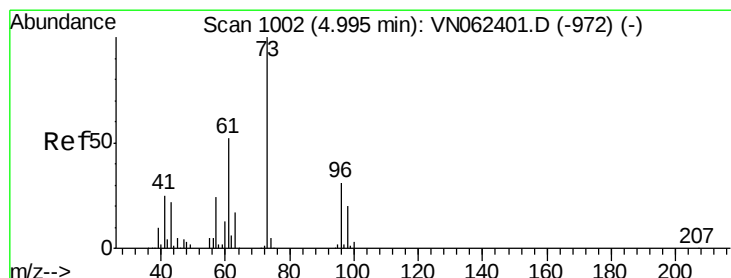
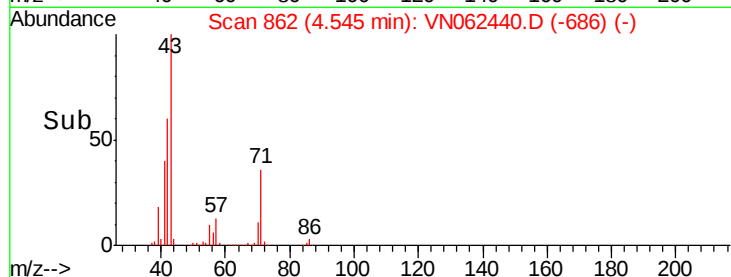
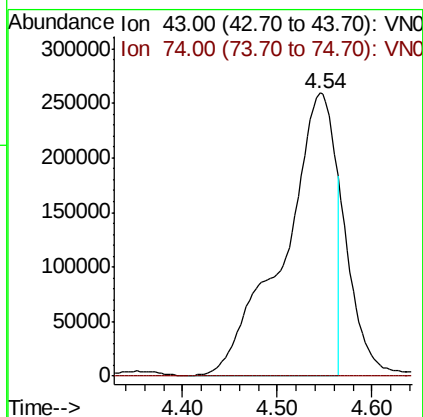
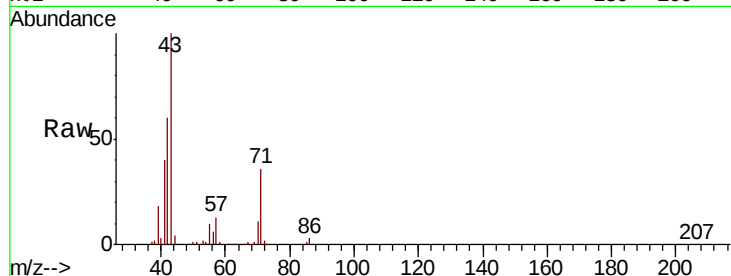




#18
Methyl Acetate
Concen: 281.009 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.27 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

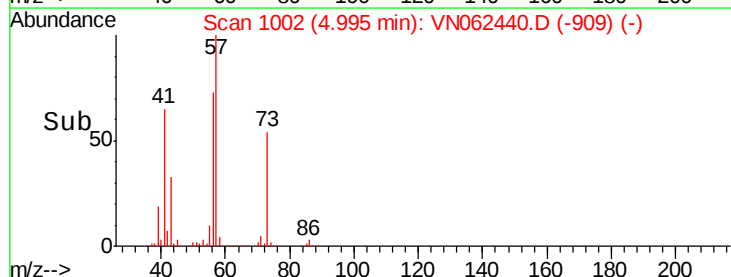
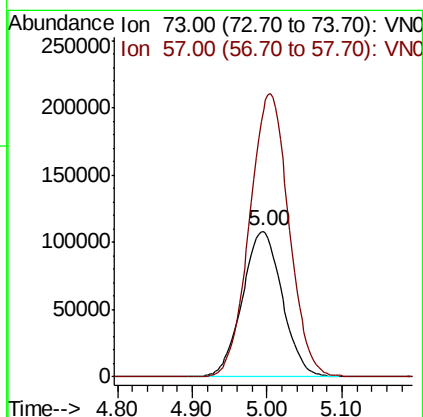
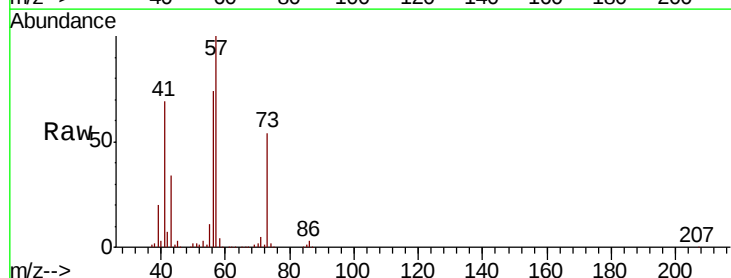
Instrument :
MSVOA_N
ClientSampled :
MW-6

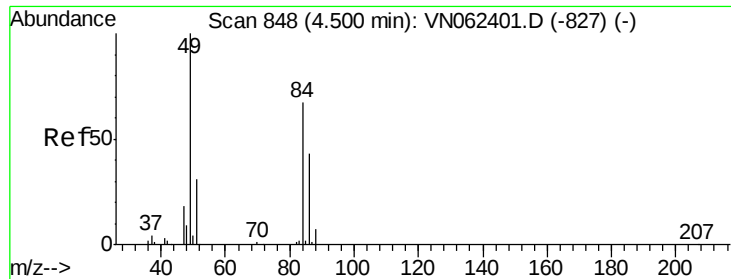
Tot Ion: 43 Resp: 964407
Ion Ratio Lower Upper
43 100
74 0.0 16.0 24.0#



#19
Methyl tert-butyl Ether
Concen: 48.984 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 73 Resp: 401431
Ion Ratio Lower Upper
73 100
57 184.3 19.4 29.0#

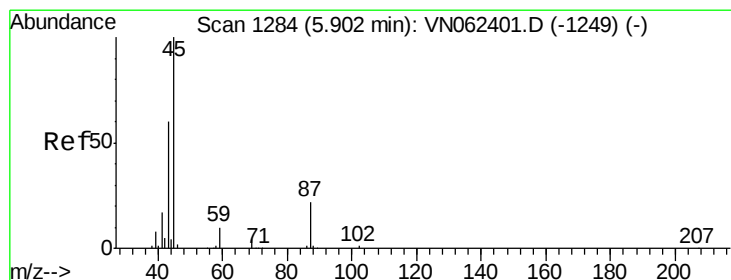
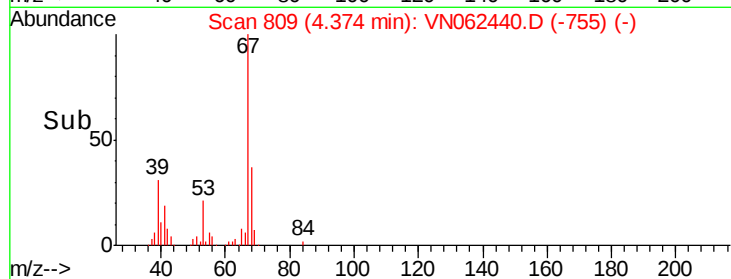
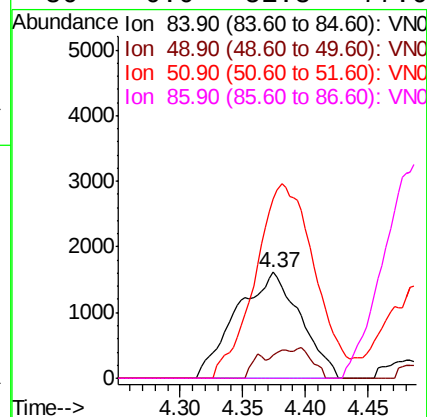
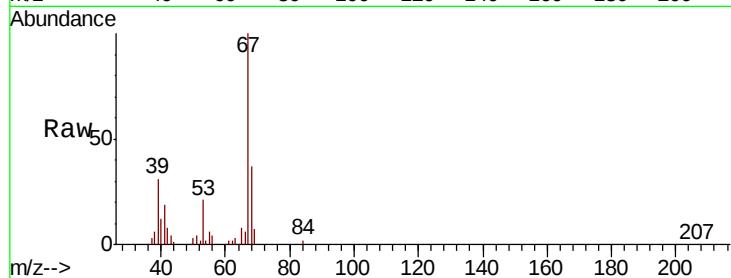




#20
Methvlene Chloride
Concen: 1.956 ug/l
RT: 4.37 min Scan# 809
Delta R.T. -0.13 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

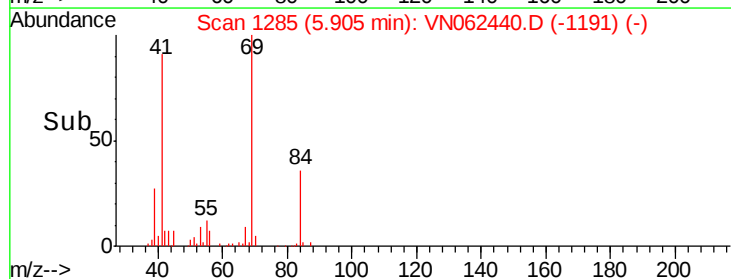
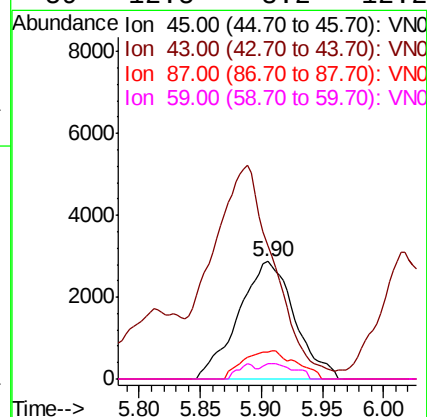
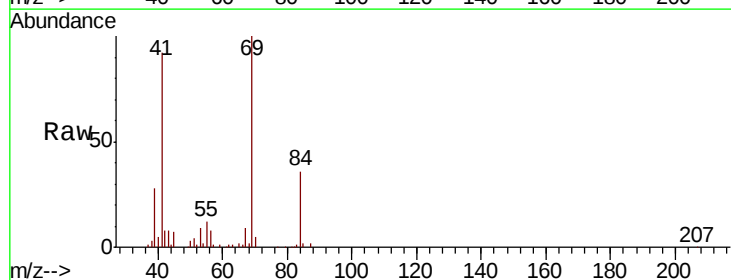
Instrument :
MSVOA_N
ClientSampled :
MW-6

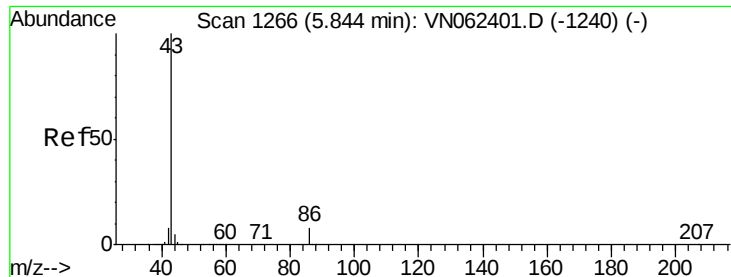
Tot Ion: 84 Resp: 5751
Ion Ratio Lower Upper
84 100
49 21.6 120.0 180.0#
51 169.0 37.0 55.6#
86 0.0 51.8 77.6#



#22
Diisopropyl ether
Concen: 0.910 ug/l
RT: 5.90 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 45 Resp: 9141
Ion Ratio Lower Upper
45 100
43 106.4 50.1 75.1#
87 23.4 18.2 27.4
59 12.5 8.2 12.2#





#23

Vinyl Acetate

Concen: 0.606 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.03 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

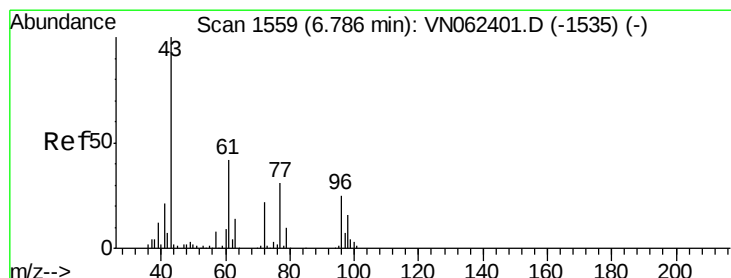
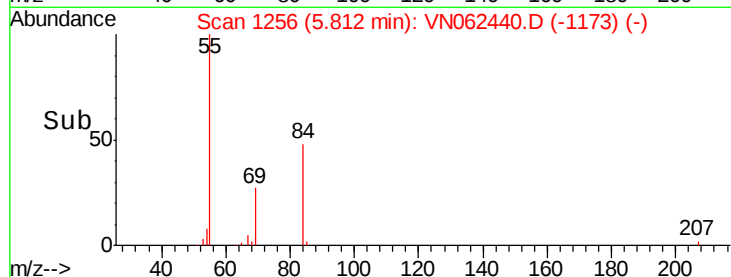
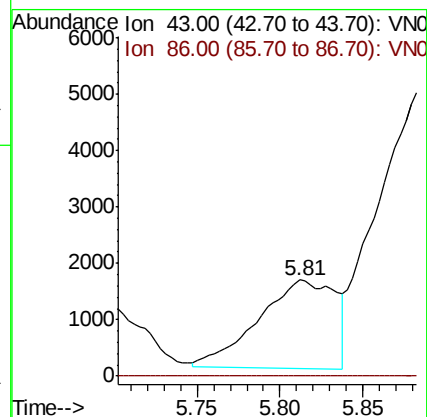
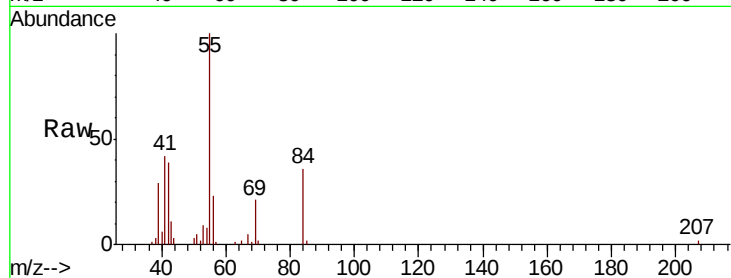
MW-6

Tot Ion: 43 Resp: 5045

Ion Ratio Lower Upper

43 100

86 0.0 6.7 10.1#



#25

2-Butanone

Concen: 5.281 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062440.D

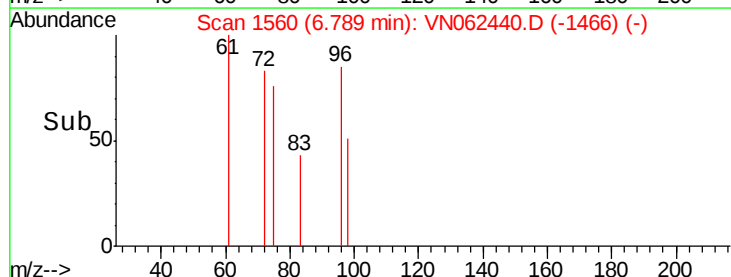
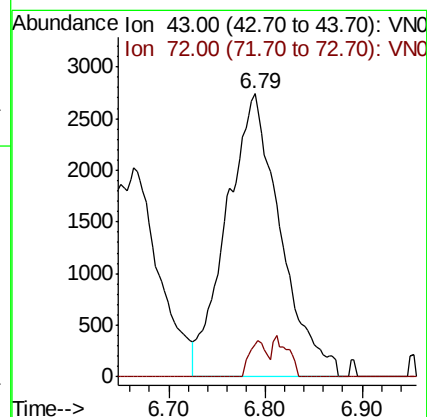
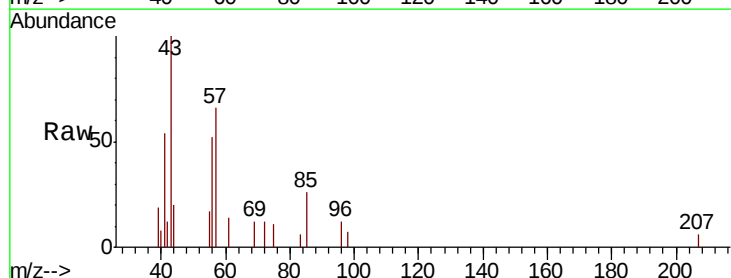
Acq: 9 Jul 2020 5:35

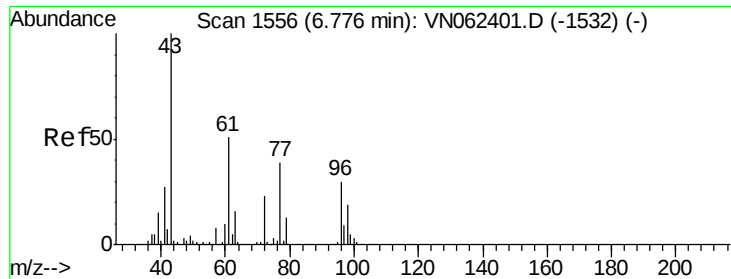
Tgt Ion: 43 Resp: 10606

Ion Ratio Lower Upper

43 100

72 11.6 17.9 26.9#

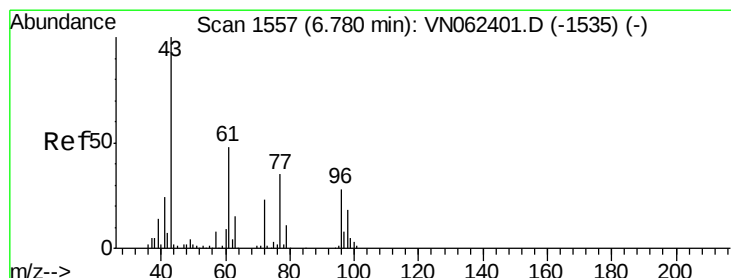
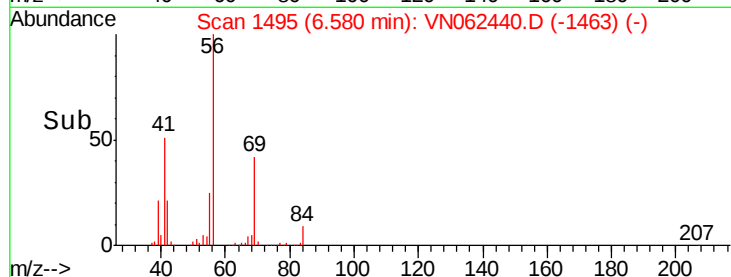
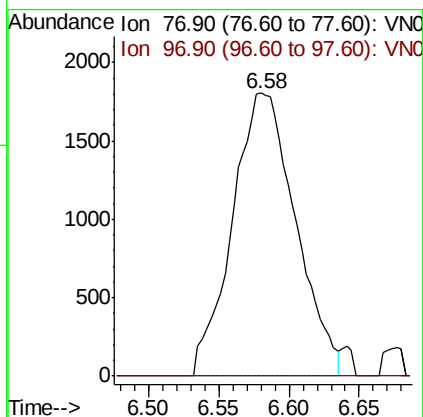
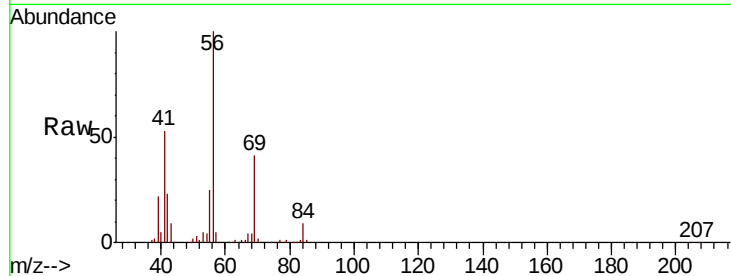




#26
 2,2-Dichloropropane
 Concen: 1.424 ug/l
 RT: 6.58 min Scan# 1495
 Delta R.T. -0.20 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

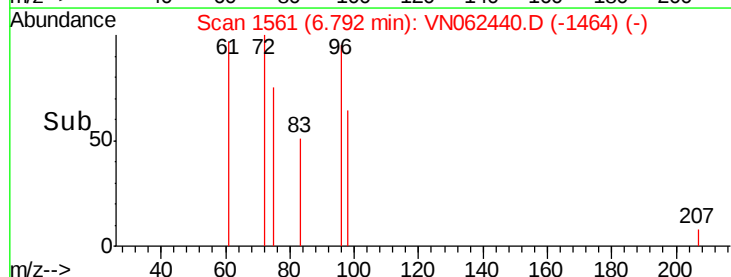
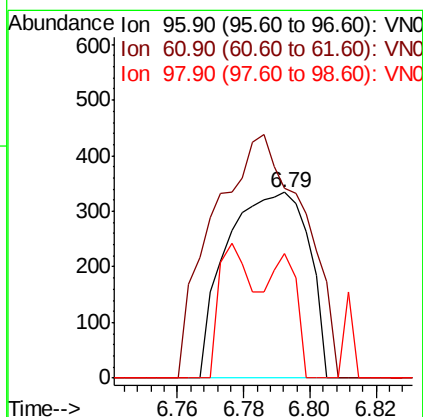
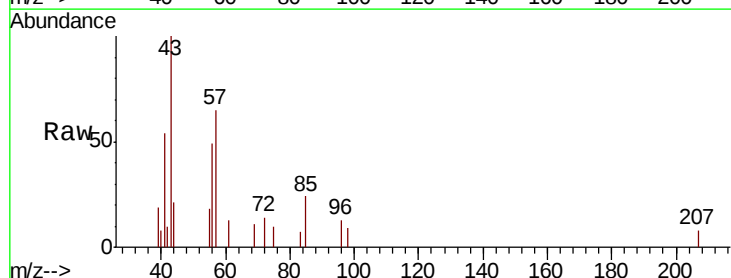
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

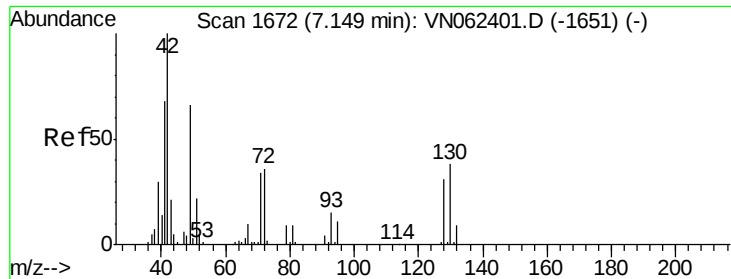
Tot Ion: 77 Resp: 5666
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.9 32.9#



#27
 cis-1,2-Dichloroethene
 Concen: 0.212 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Tgt Ion: 96 Resp: 575
 Ion Ratio Lower Upper
 96 100
 61 144.9 0.0 343.4
 98 20.0 0.0 128.4





#28

Bromochloromethane

Concen: 0.411 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.20 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

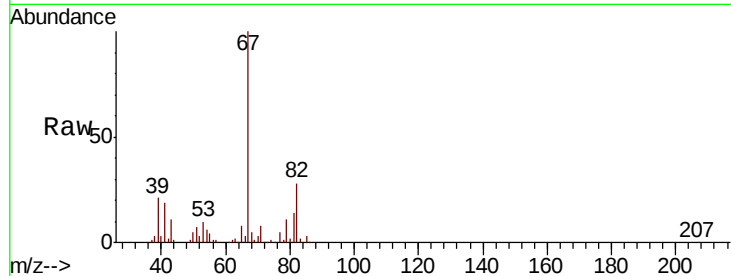
Tot Ion: 49 Resp: 1159

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

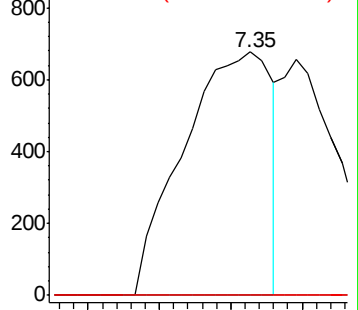
130 0.0 46.5 69.7#



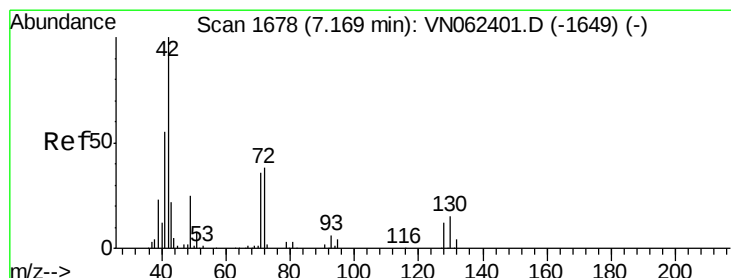
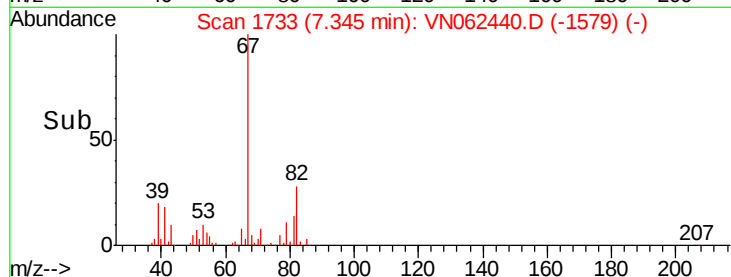
Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#29

Tetrahydrofuran

Concen: 0.493 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

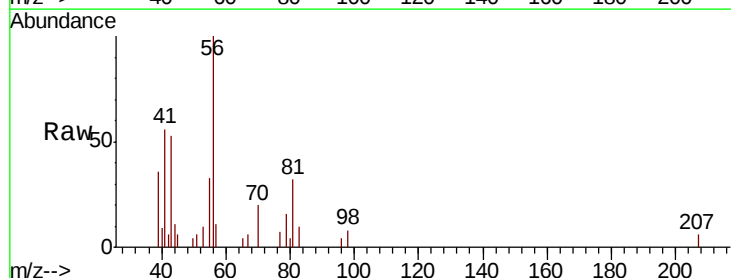
Tgt Ion: 42 Resp: 667

Ion Ratio Lower Upper

42 100

72 0.0 29.1 43.7#

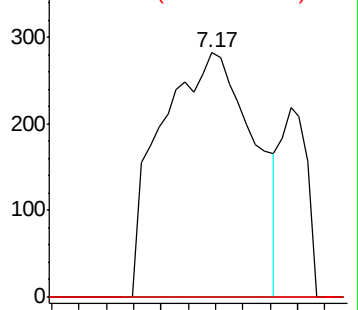
71 0.0 28.1 42.1#



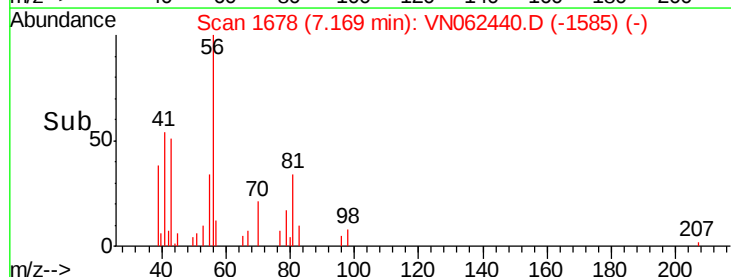
Abundance Ion 42.00 (41.70 to 42.70): VN0

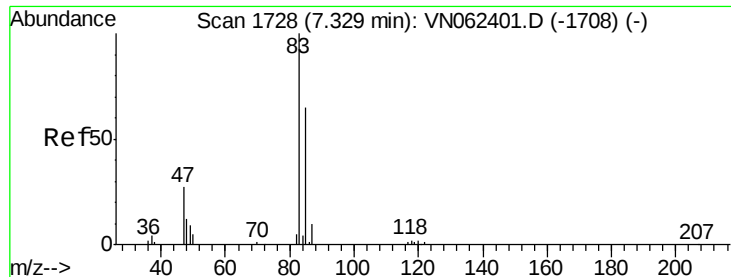
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->

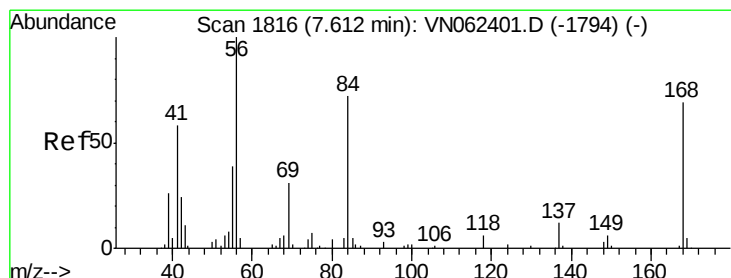
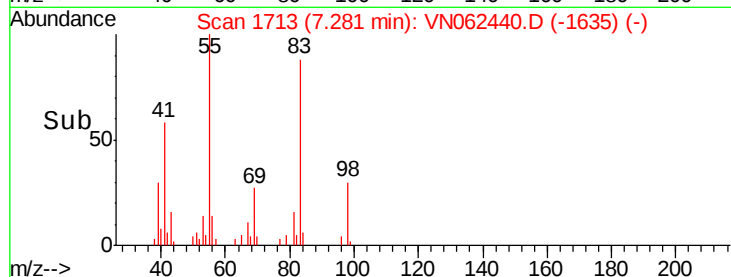
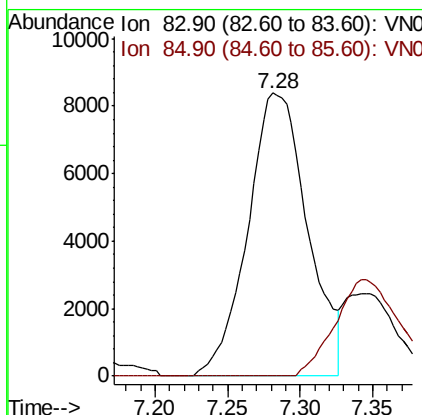
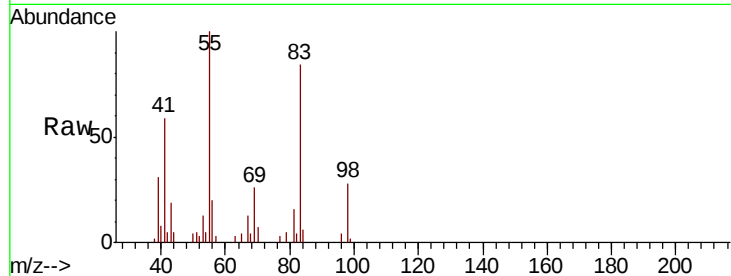




#30
Chloroform
Concen: 5.130 ug/l
RT: 7.28 min Scan# 1713
Delta R.T. -0.05 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

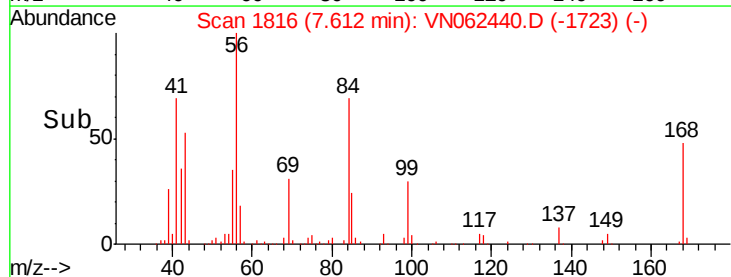
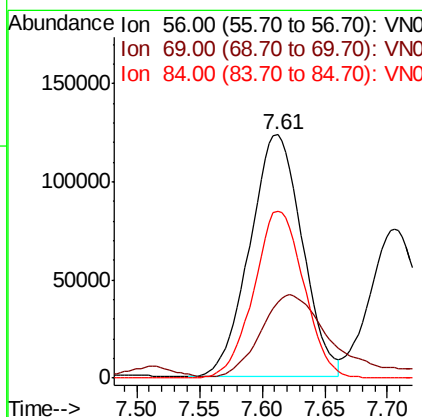
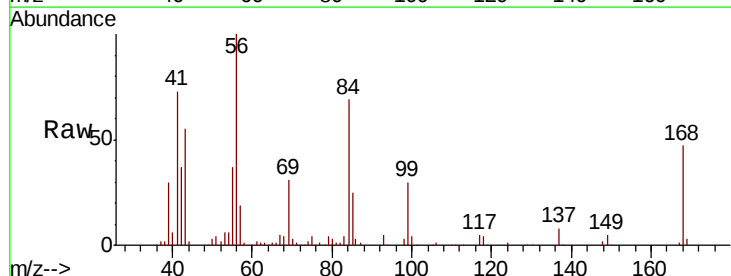
Instrument :
MSVOA_N
ClientSampled :
MW-6

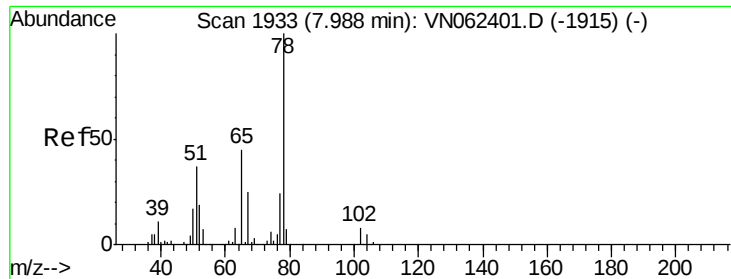
Tot Ion: 83 Resp: 24037
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.6#



#31
Cyclohexane
Concen: 73.052 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 56 Resp: 359424
Ion Ratio Lower Upper
56 100
69 29.7 24.5 36.7
84 69.1 57.4 86.2

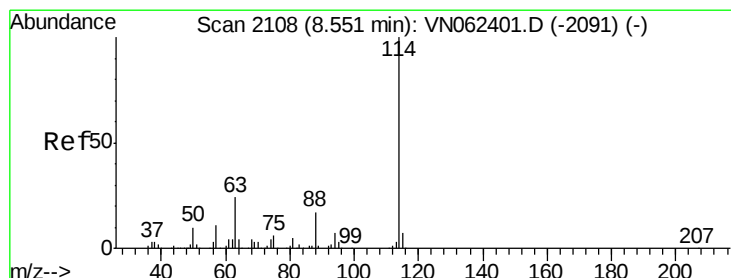
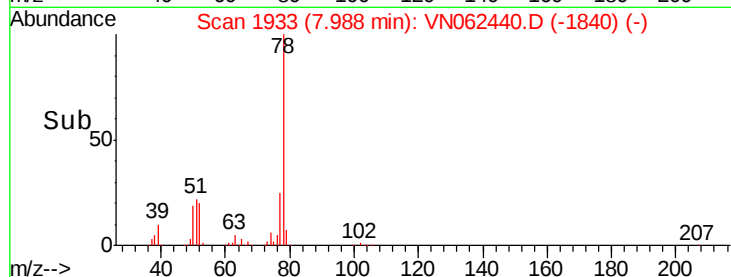
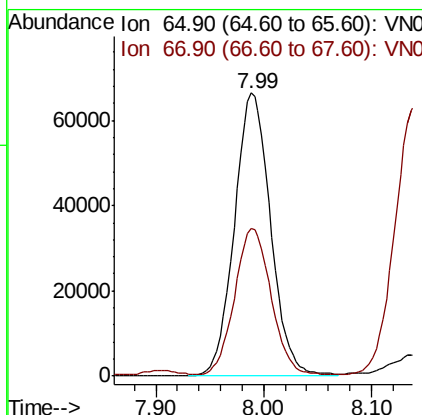
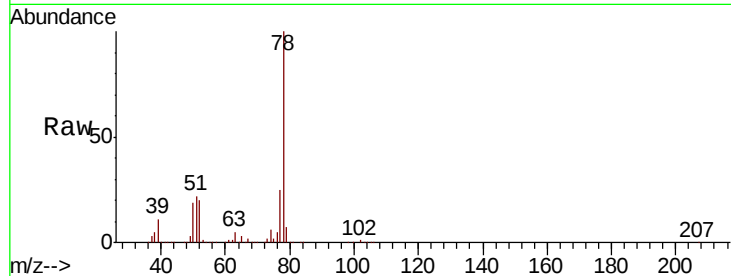




#33
 1,2-Dichloroethane-d4
 Concen: 47.609 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

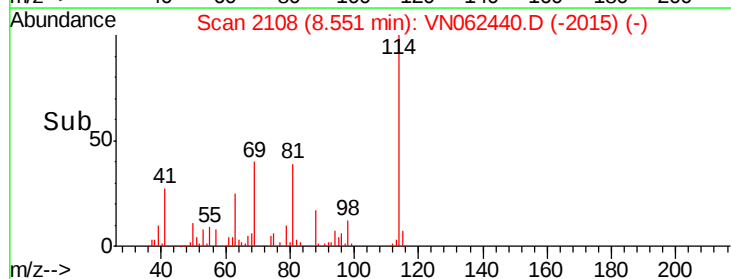
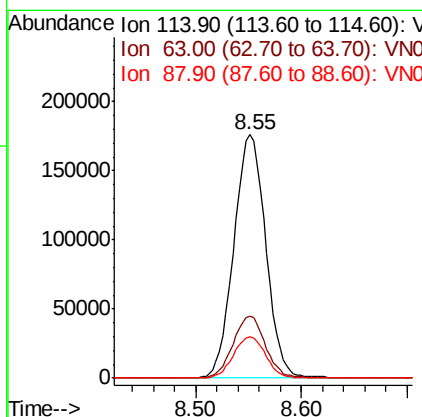
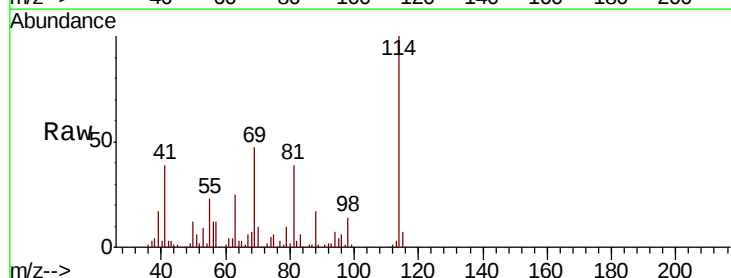
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

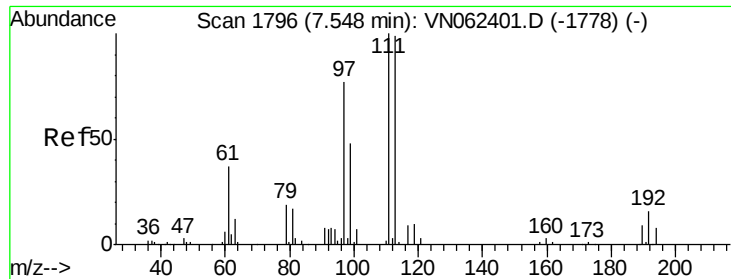
Tot Ion: 65 Resp: 154213
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Tgt Ion: 114 Resp: 369292
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 48.4
 88 16.9 0.0 33.8

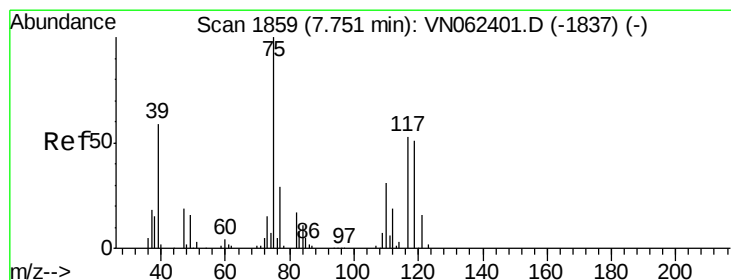
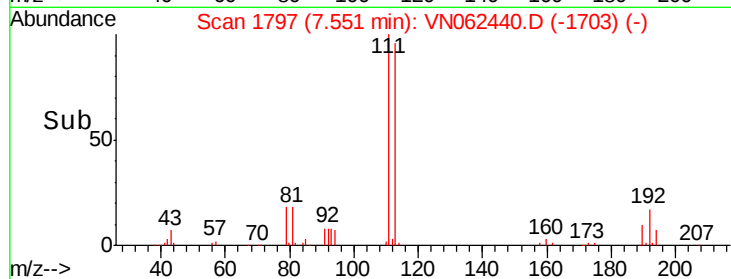
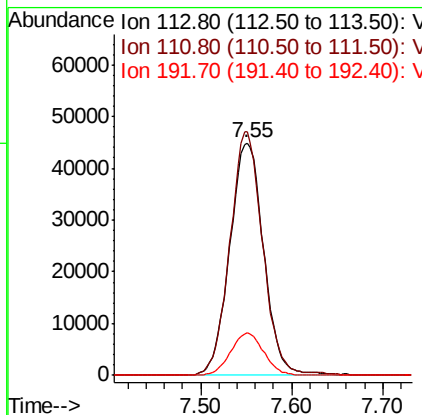
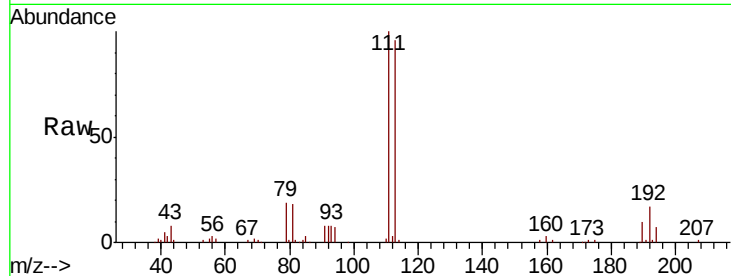




#35
 Dibromofluoromethane
 Concen: 50.973 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

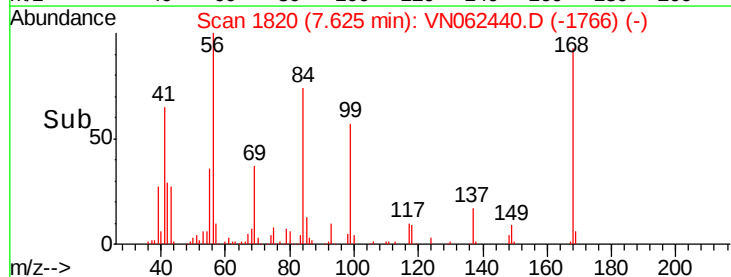
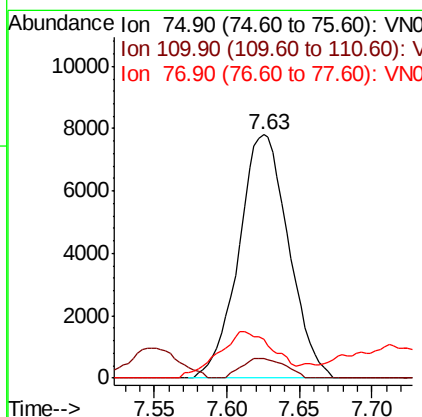
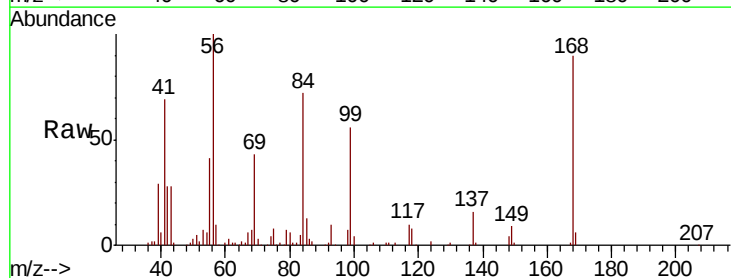
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

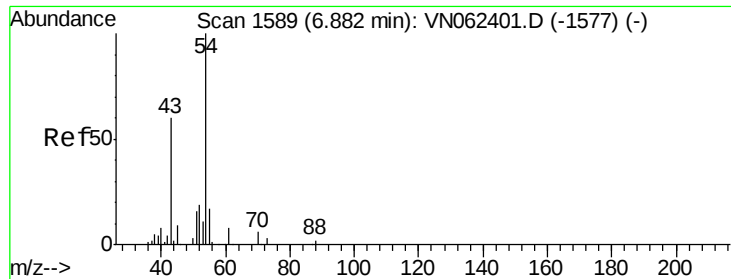
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.1	124.7
192	17.7	14.1	21.1



#36
 1,1-Dichloropropene
 Concen: 5.017 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	15.4	46.2#
77	0.0	24.1	36.1#

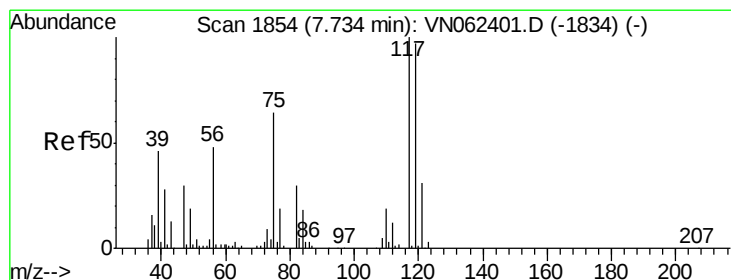
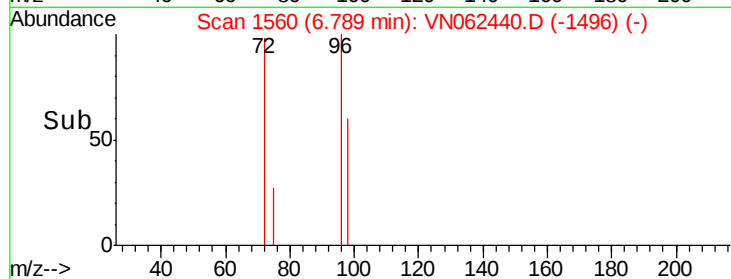
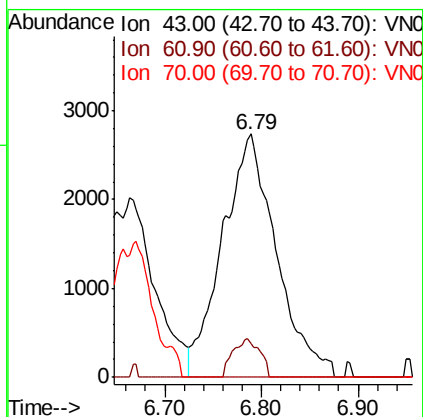
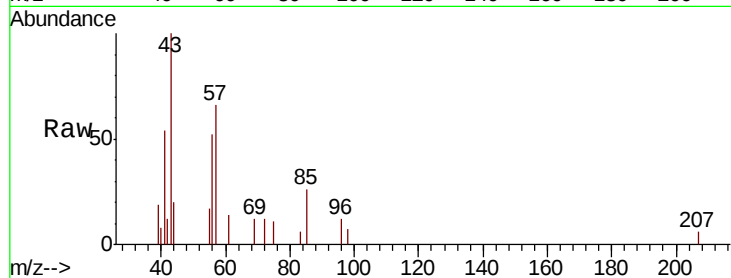




#37
Ethyl Acetate
Concen: 2.438 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.09 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

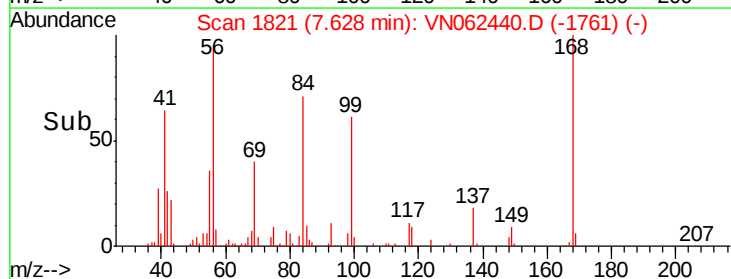
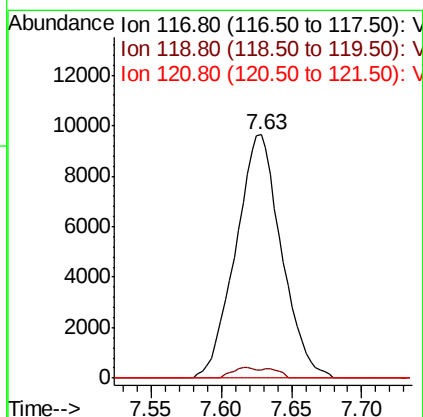
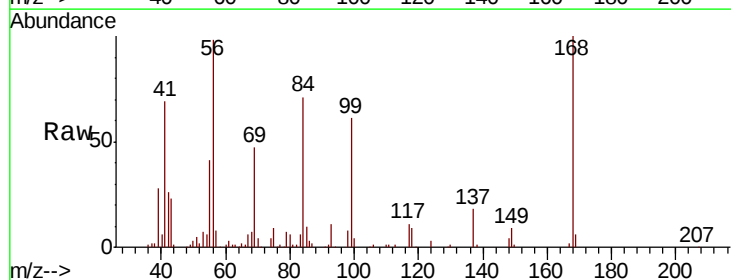
Instrument :
MSVOA_N
ClientSampled :
MW-6

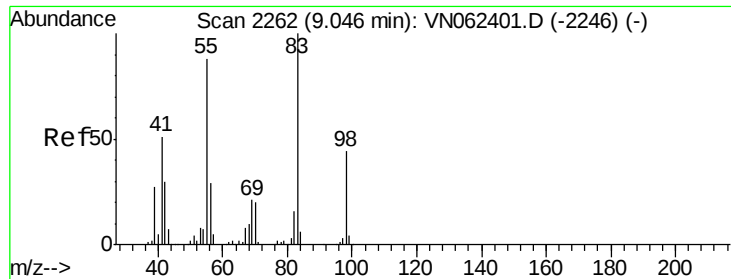
Tot Ion: 43 Resp: 10606
Ion Ratio Lower Upper
43 100
61 7.9 10.7 16.1#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.523 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 117 Resp: 21820
Ion Ratio Lower Upper
117 100
119 3.6 77.2 115.8#
121 0.0 24.8 37.2#

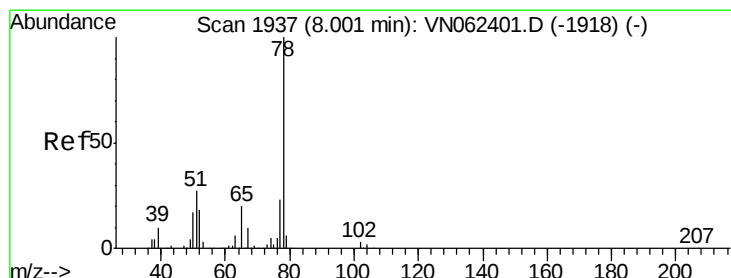
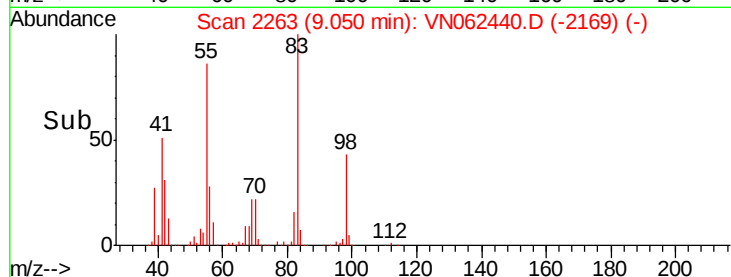
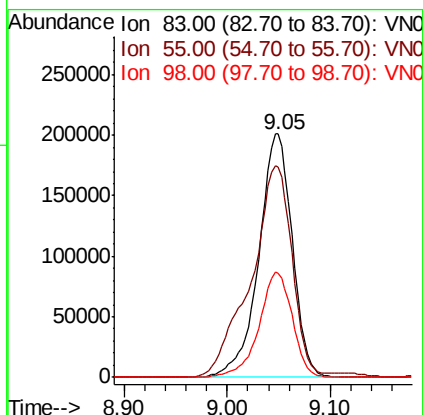
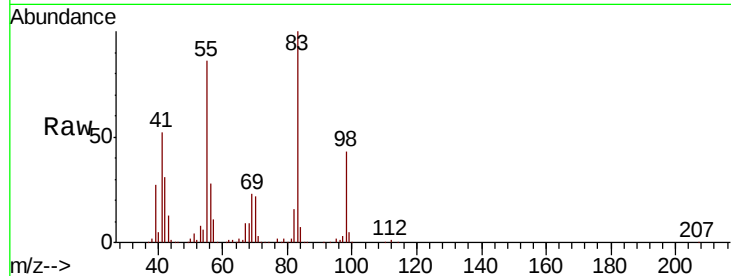




#39
Methvlcvclohexane
Concen: 114.001 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

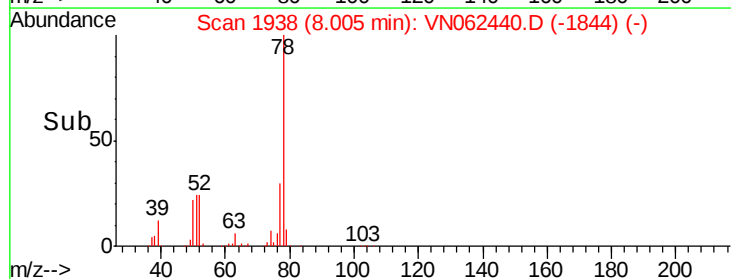
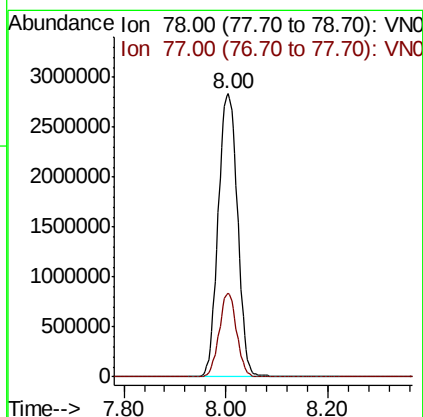
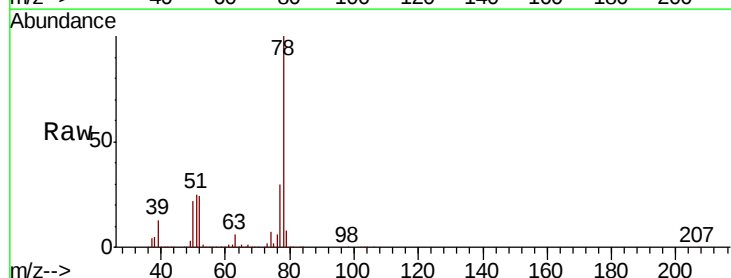
Instrument :
MSVOA_N
ClientSampled :
MW-6

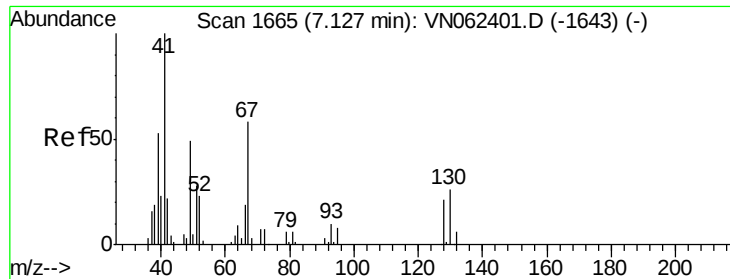
Tot Ion: 83 Resp: 452819
Ion Ratio Lower Upper
83 100
55 86.3 70.5 105.7
98 43.0 35.5 53.3



#40
Benzene
Concen: 680.942 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 78 Resp: 7466768
Ion Ratio Lower Upper
78 100
77 29.7 18.7 28.1#

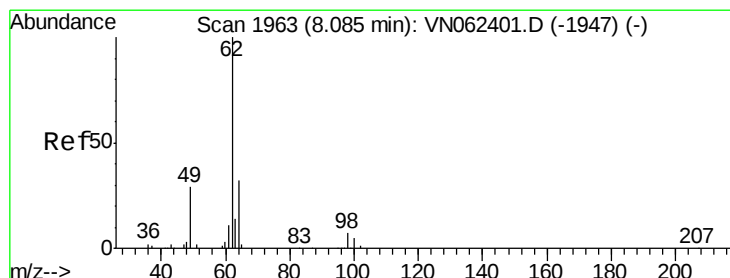
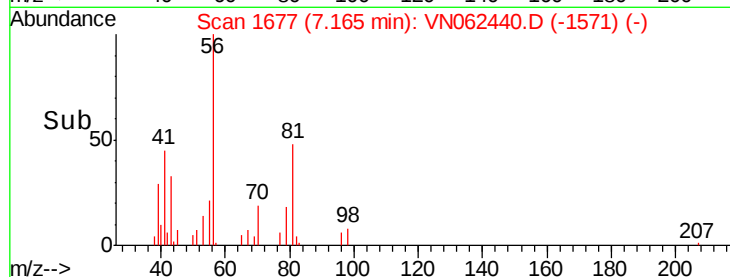
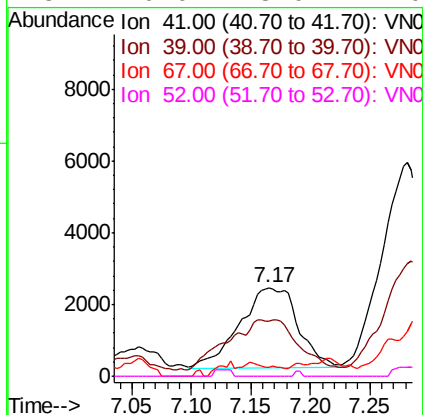
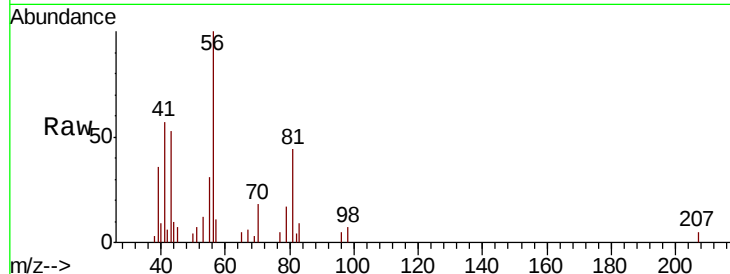




#41
Methacrylonitrile
Concen: 4.186 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

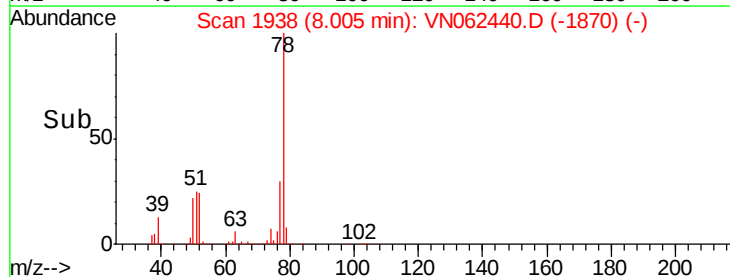
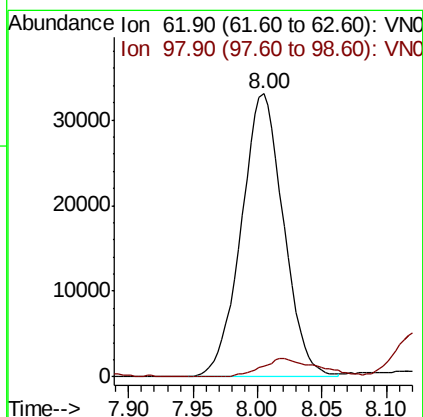
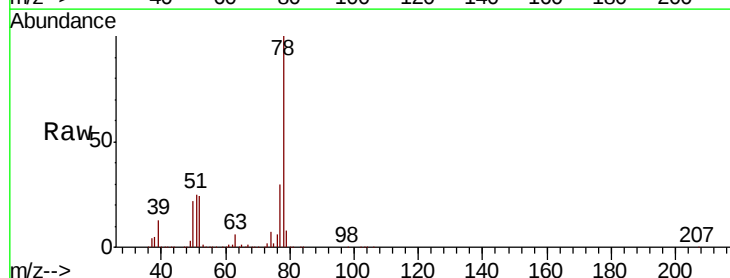
Instrument :
MSVOA_N
ClientSampleId :
MW-6

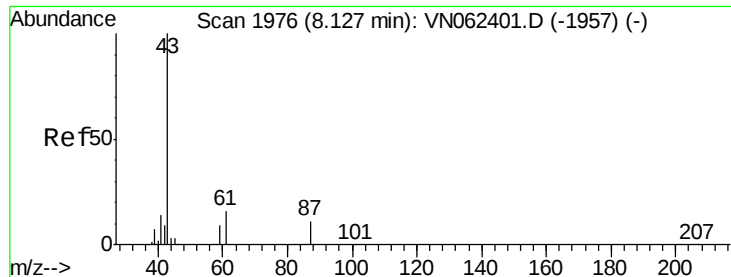
Tot Ion: 41 Resp: 7609
Ion Ratio Lower Upper
41 100
39 41.0 50.2 75.2#
67 0.0 64.2 96.2#
52 0.0 28.0 42.0#



#42
1,2-Dichloroethane
Concen: 18.806 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.08 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 62 Resp: 75509
Ion Ratio Lower Upper
62 100
98 8.7 0.0 15.8





#43

Isopropyl Acetate

Concen: 15.215 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.02 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

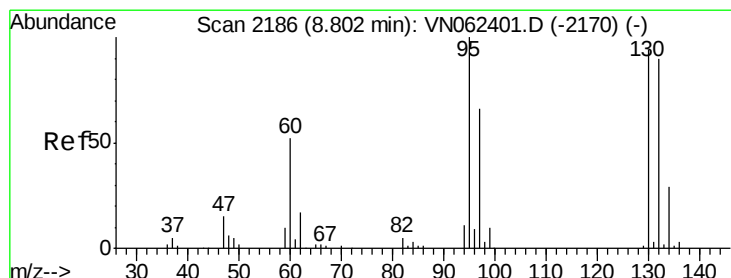
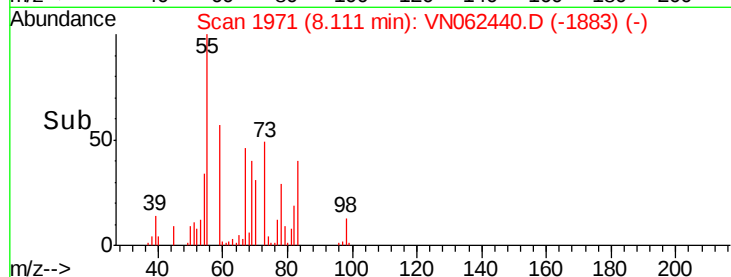
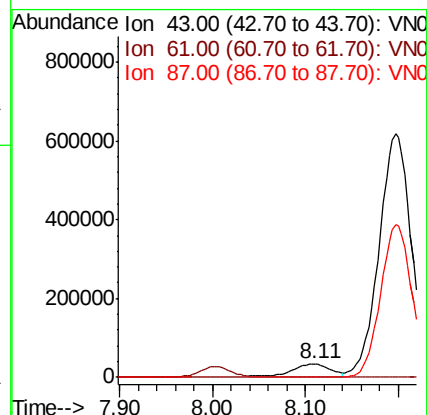
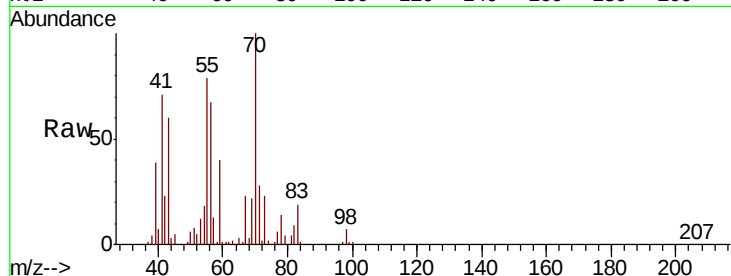
Tot Ion: 43 Resp: 104569

Ion Ratio Lower Upper

43 100

61 0.0 19.3 28.9#

87 0.0 8.6 13.0#



#44

Trichloroethene

Concen: 0.357 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062440.D

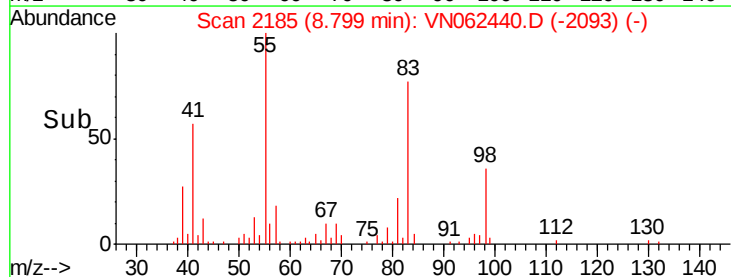
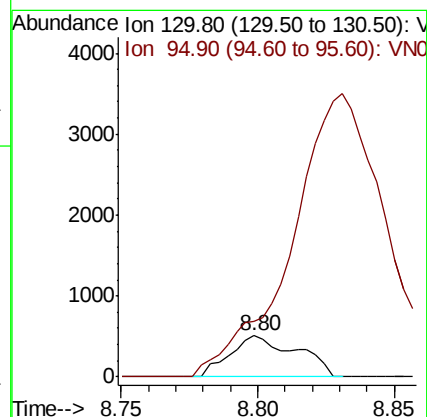
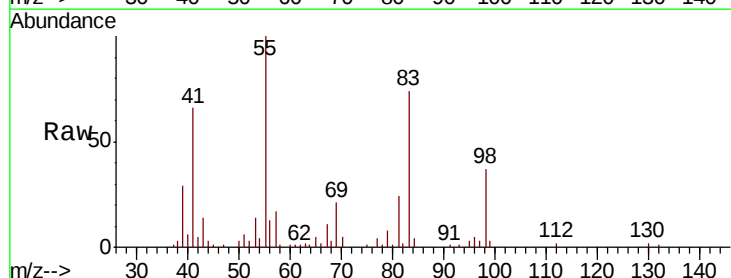
Acq: 9 Jul 2020 5:35

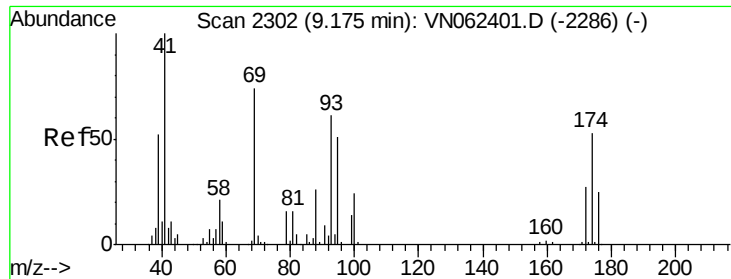
Tgt Ion:130 Resp: 869

Ion Ratio Lower Upper

130 100

95 137.0 0.0 213.8





#46

Dibromomethane

Concen: 0.426 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.05 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampleId :

MW-6

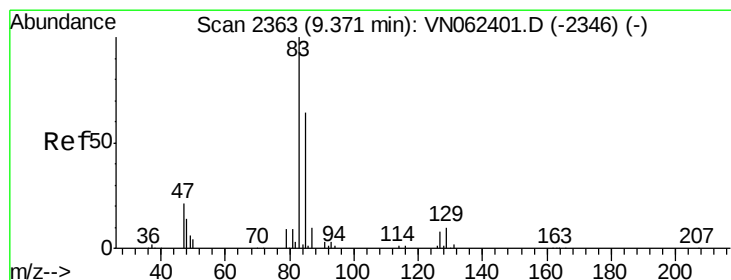
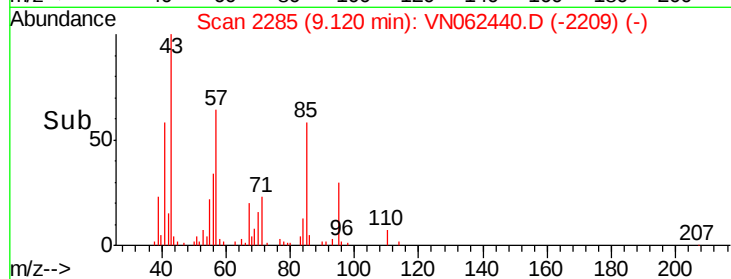
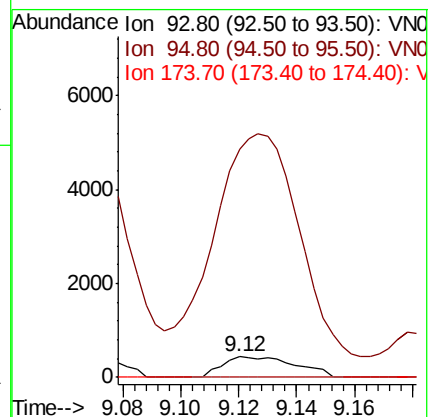
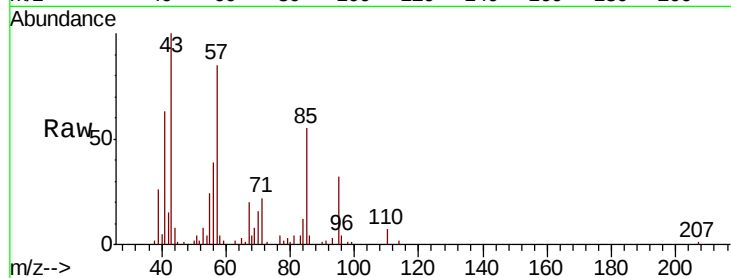
Tot Ion: 93 Resp: 765

Ion Ratio Lower Upper

93 100

95 1239.7 67.1 100.7#

174 0.0 70.4 105.6#



#47

Bromodichloromethane

Concen: 4.477 ug/l

RT: 9.35 min Scan# 2358

Delta R.T. -0.02 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

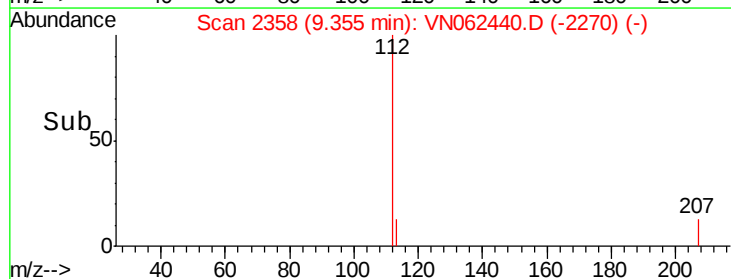
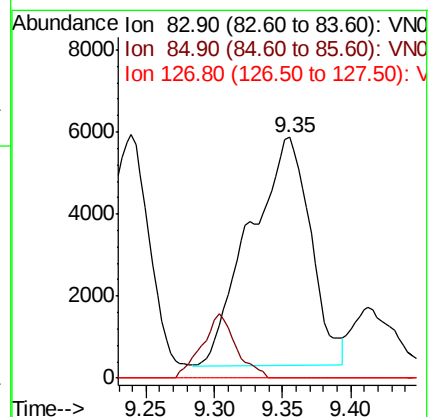
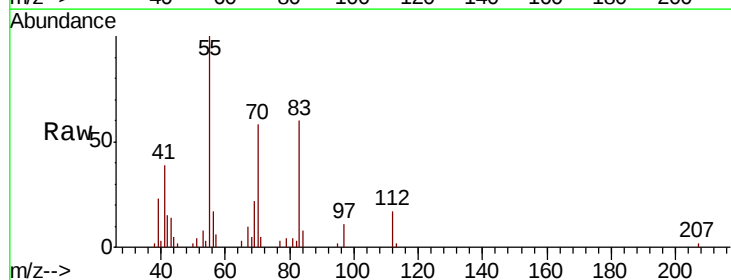
Tgt Ion: 83 Resp: 17196

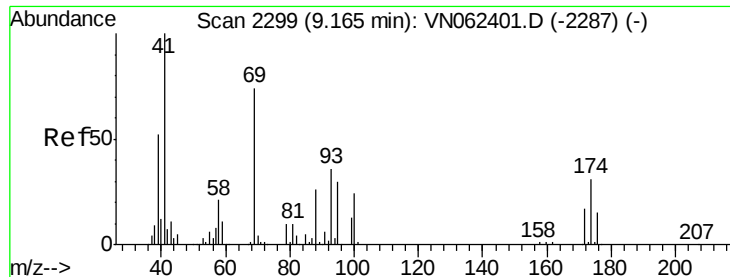
Ion Ratio Lower Upper

83 100

85 0.0 51.2 76.8#

127 0.0 6.2 9.2#

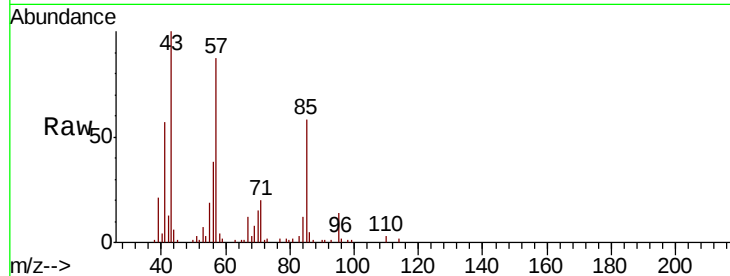




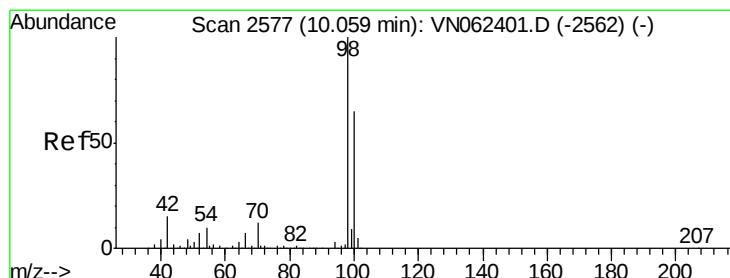
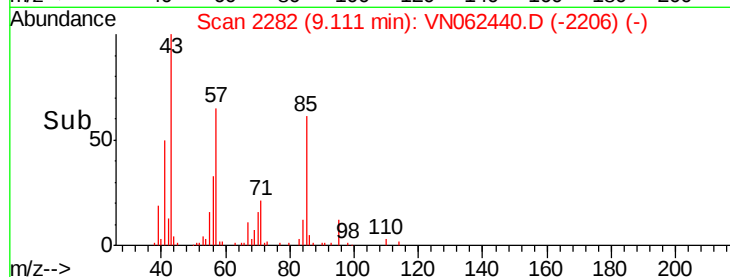
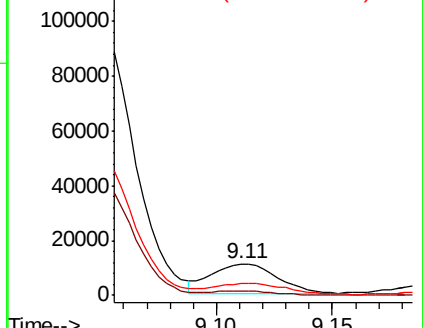
#48
Methvl methacrylate
Concen: 6.259 ug/l
RT: 9.11 min Scan# 2282
Delta R.T. -0.05 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion: 41 Resp: 21102
Ion Ratio Lower Upper
41 100
69 0.0 60.8 91.2#
39 41.1 43.5 65.3#

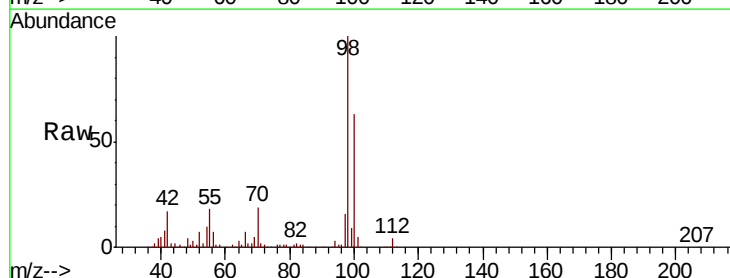


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

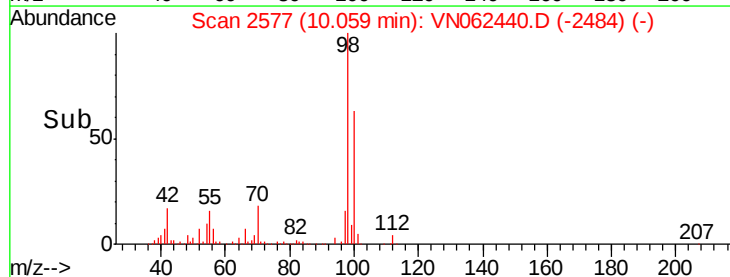
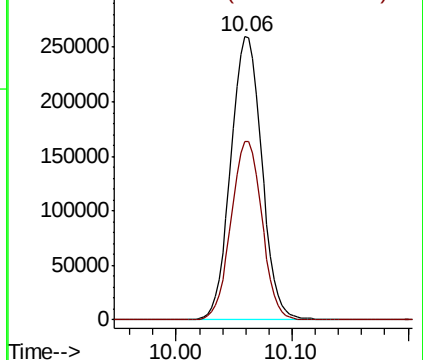


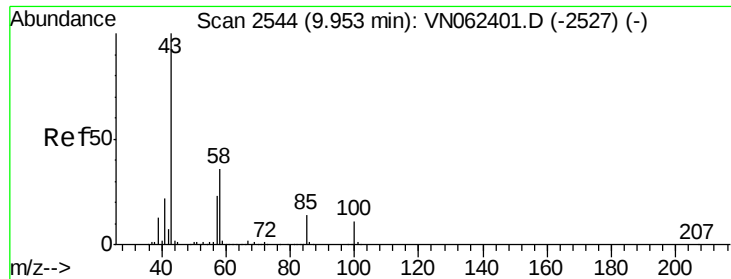
#50
Toluene-d8
Concen: 53.410 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 98 Resp: 481305
Ion Ratio Lower Upper
98 100
100 63.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.525 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.04 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

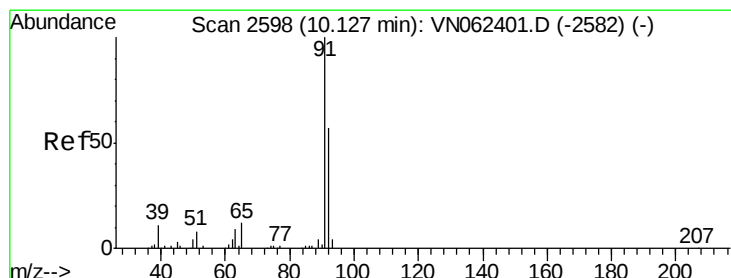
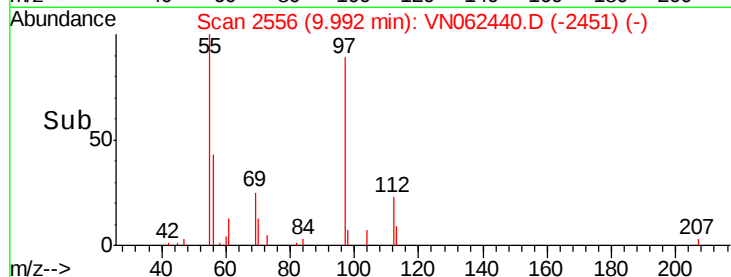
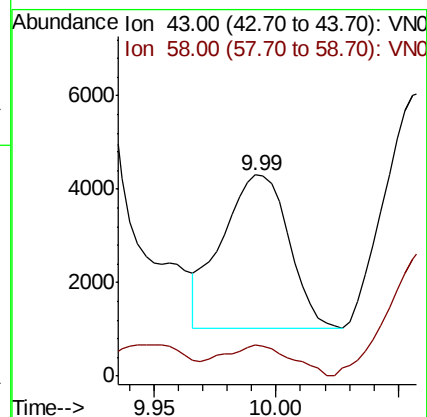
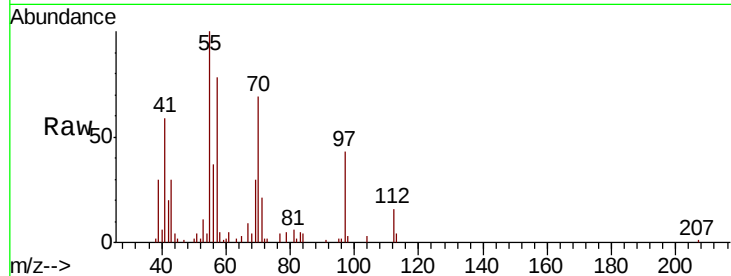
MW-6

Tot Ion: 43 Resp: 6259

Ion Ratio Lower Upper

43 100

58 20.8 29.0 43.6#



#52

Toluene

Concen: 347.698 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062440.D

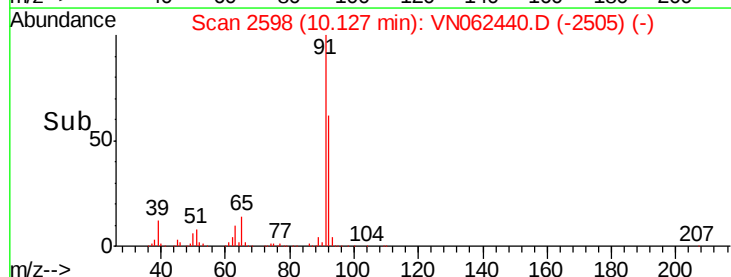
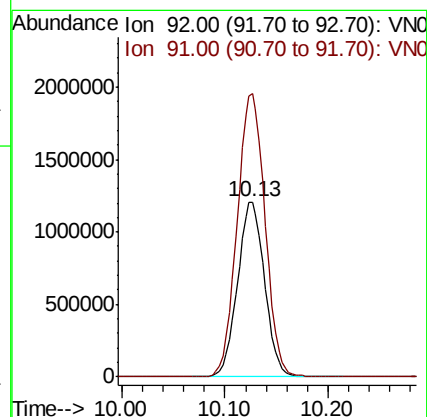
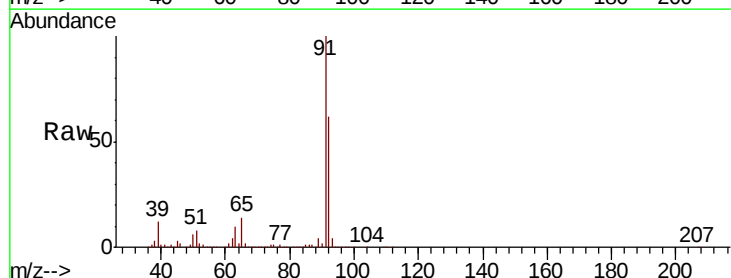
Acq: 9 Jul 2020 5:35

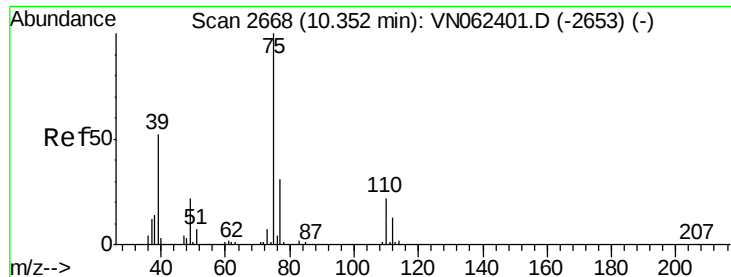
Tgt Ion: 92 Resp: 2202227

Ion Ratio Lower Upper

92 100

91 167.1 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 6.602 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.23 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

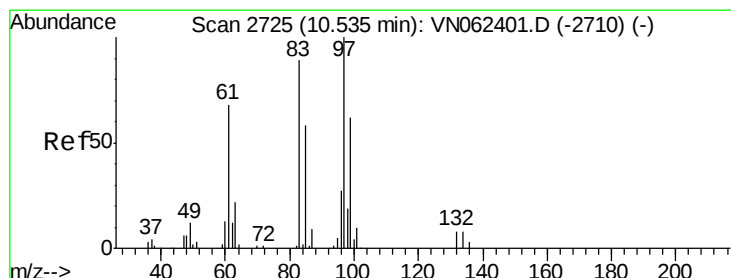
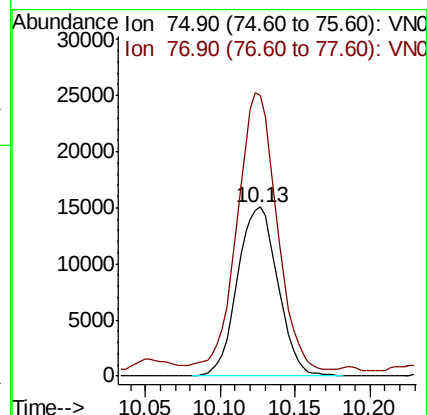
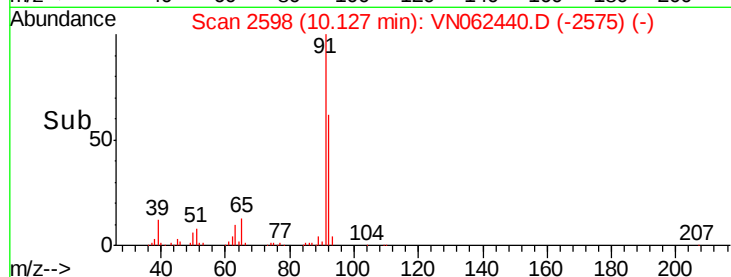
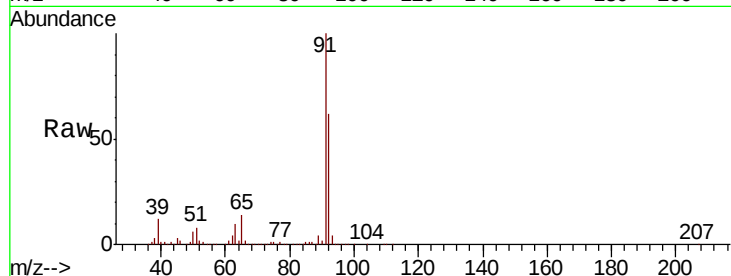
MW-6

Tot Ion: 75 Resp: 28407

Ion Ratio Lower Upper

75 100

77 161.2 25.2 37.8#



#55

1,1,2-Trichloroethane

Concen: 26.497 ug/l

RT: 10.50 min Scan# 2715

Delta R.T. -0.03 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Tgt Ion: 97 Resp: 66005

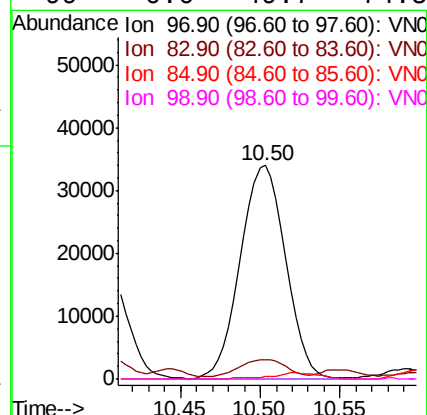
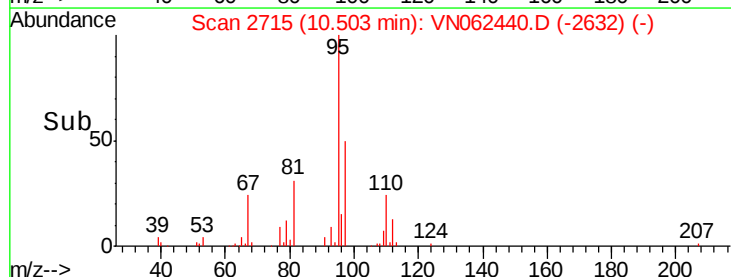
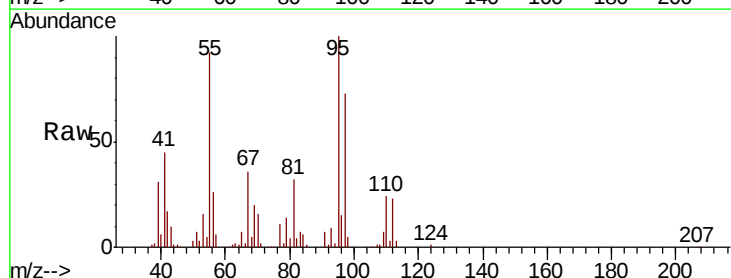
Ion Ratio Lower Upper

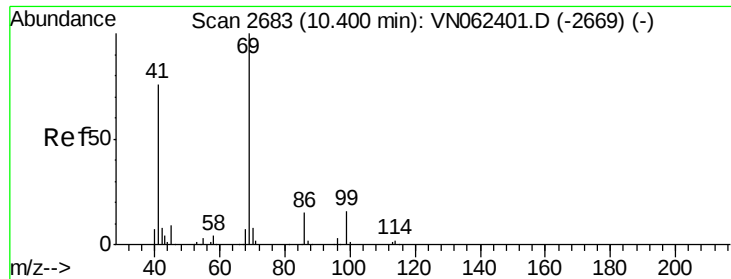
97 100

83 7.2 71.0 106.4#

85 1.0 46.2 69.4#

99 0.0 49.7 74.5#





#56

Ethyl methacrylate

Concen: 3.085 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

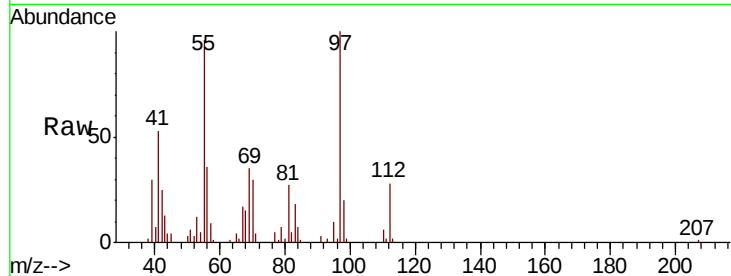
Tot Ion: 69 Resp: 6516

Ion Ratio Lower Upper

69 100

41 195.3 59.7 89.5#

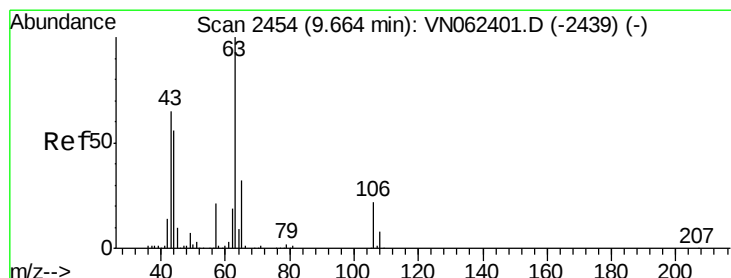
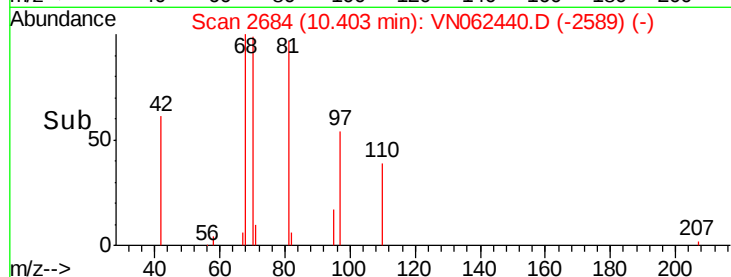
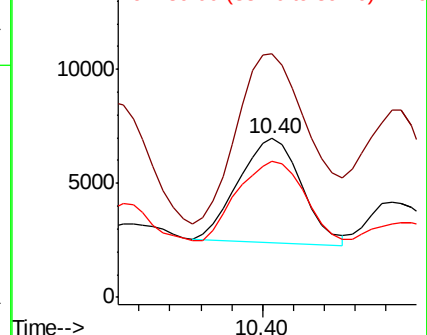
39 0.0 30.6 45.8#



Abundance Ion 69.00 (68.70 to 69.70): VN062440.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062440.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062440.D (-2669) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 0.255 ug/l

RT: 9.63 min Scan# 2444

Delta R.T. -0.03 min

Lab File: VN062440.D

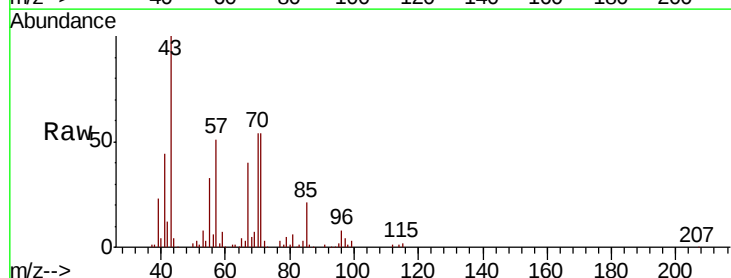
Acq: 9 Jul 2020 5:35

Tgt Ion: 63 Resp: 377

Ion Ratio Lower Upper

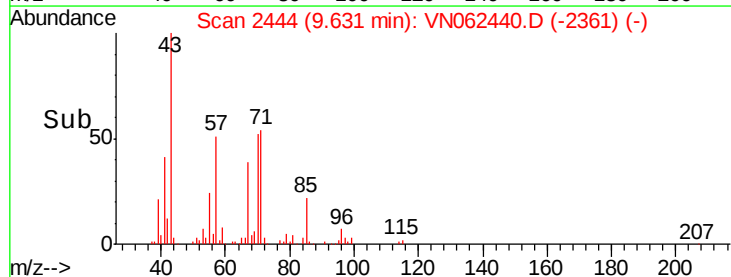
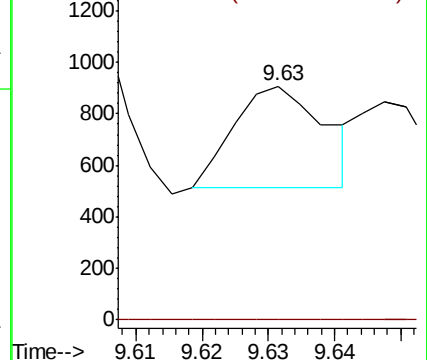
63 100

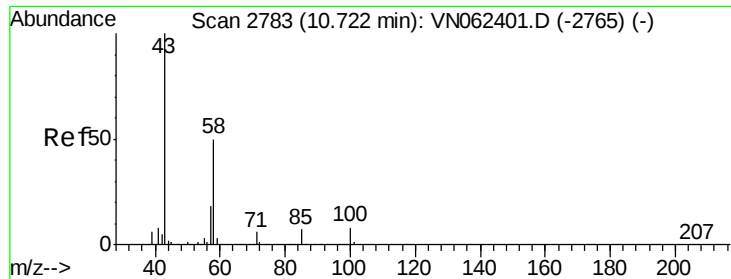
106 0.0 17.6 26.4#



Abundance Ion 62.90 (62.60 to 63.60): VN062440.D (-2361) (-)

Ion 105.90 (105.60 to 106.60): VN062440.D (-2361) (-)

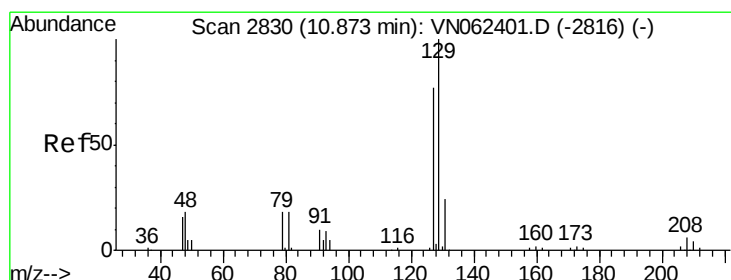
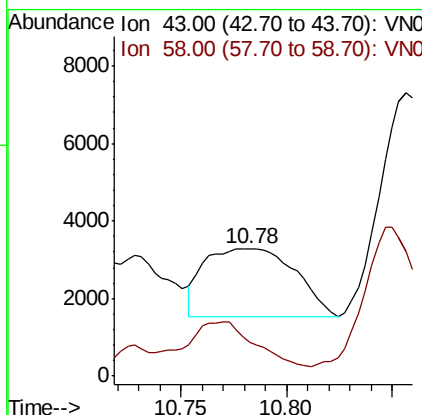
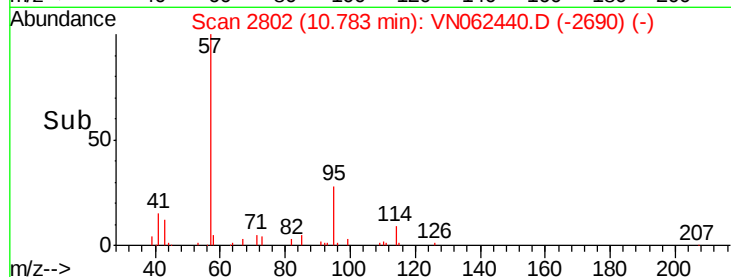
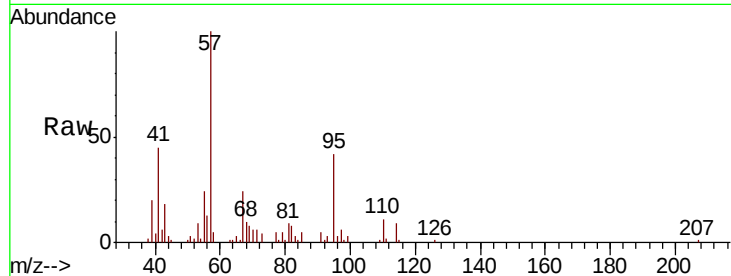




#59
2-Hexanone
Concen: 1.763 ug/l
RT: 10.78 min Scan# 2802
Delta R.T. 0.06 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

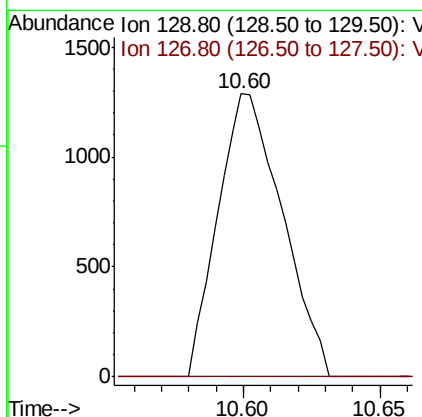
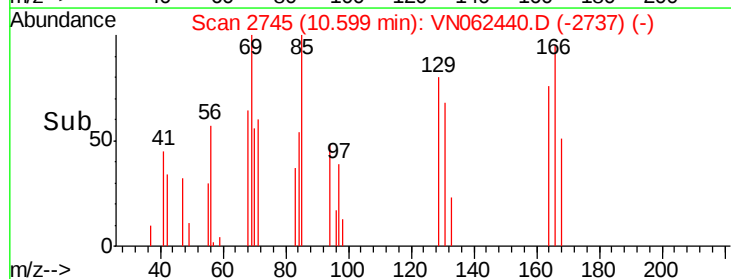
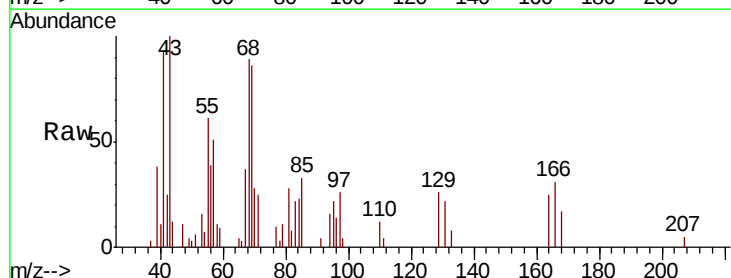
Instrument :
MSVOA_N
ClientSampled :
MW-6

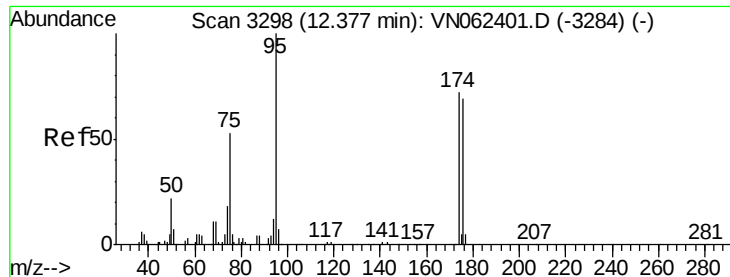
Tot Ion: 43 Resp: 5255
Ion Ratio Lower Upper
43 100
58 62.1 25.1 75.2



#60
Dibromochloromethane
Concen: 0.781 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.27 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 129 Resp: 2110
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 55.896 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

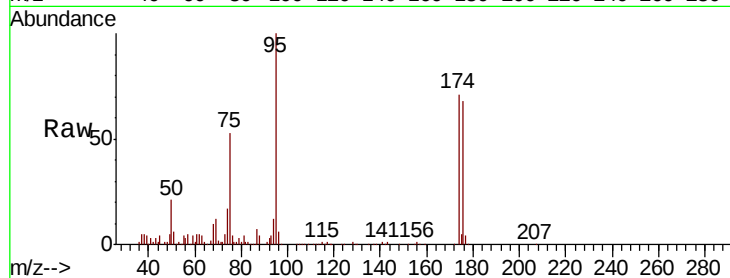
Tot Ion: 95 Resp: 184070

Ion Ratio Lower Upper

95 100

174 71.1 0.0 141.6

176 68.1 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

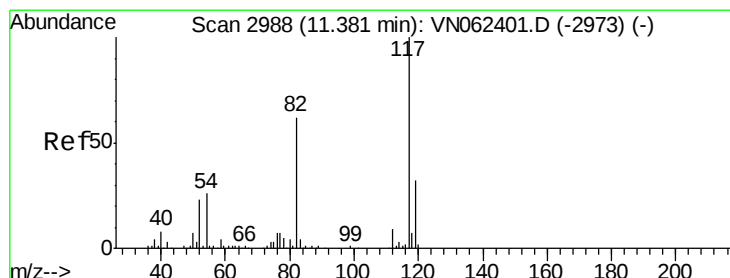
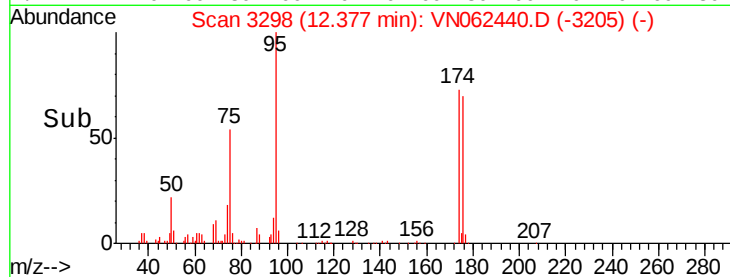
12.38

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

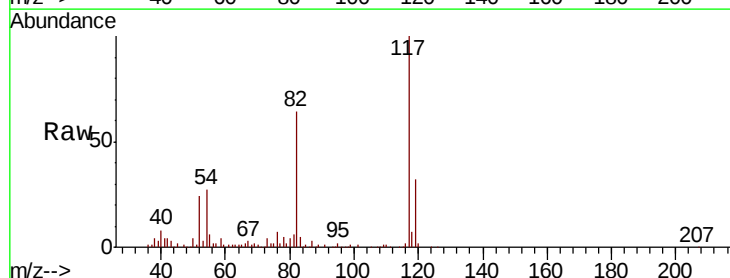
Tgt Ion: 117 Resp: 350743

Ion Ratio Lower Upper

117 100

82 63.6 49.6 74.4

119 32.2 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.38

250000

200000

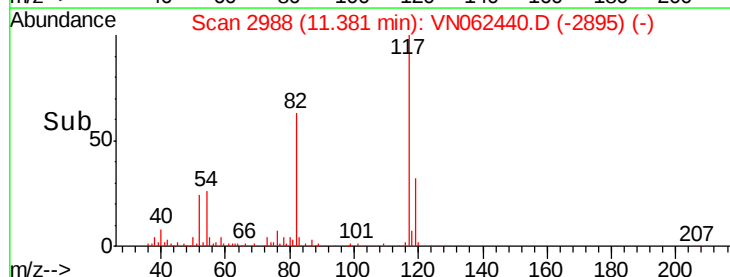
150000

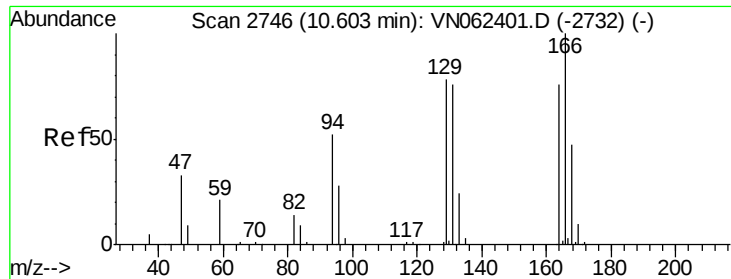
100000

50000

0

Time-->





#64

Tetrachloroethene

Concen: 0.977 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

Tot Ion:164 Resp: 2034

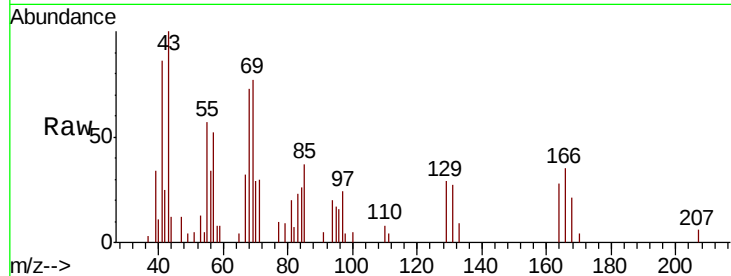
Ion Ratio Lower Upper

164 100

166 122.0 104.9 157.3

129 100.5 81.8 122.6

131 93.9 79.3 118.9

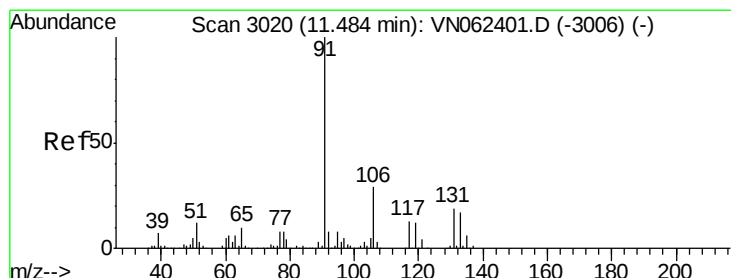
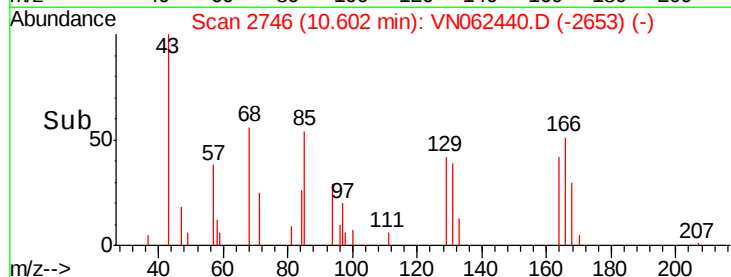
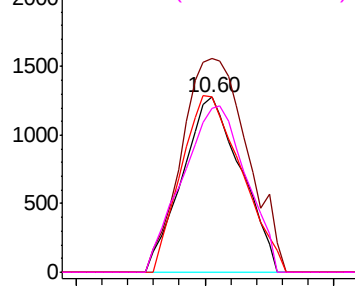


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 373.163 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062440.D

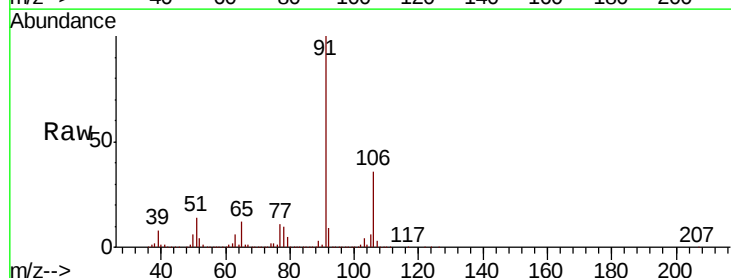
Acq: 9 Jul 2020 5:35

Tgt Ion: 91 Resp: 4774870

Ion Ratio Lower Upper

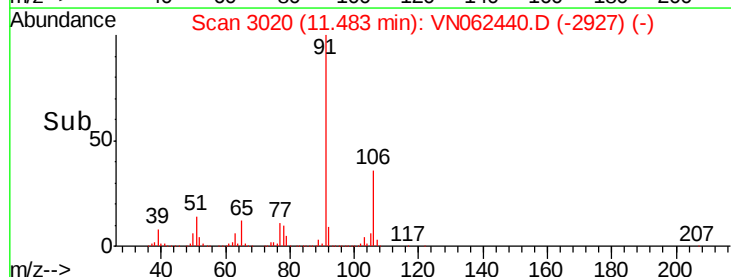
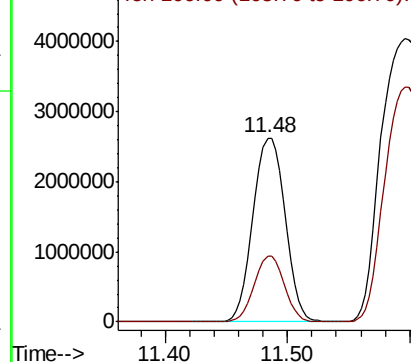
91 100

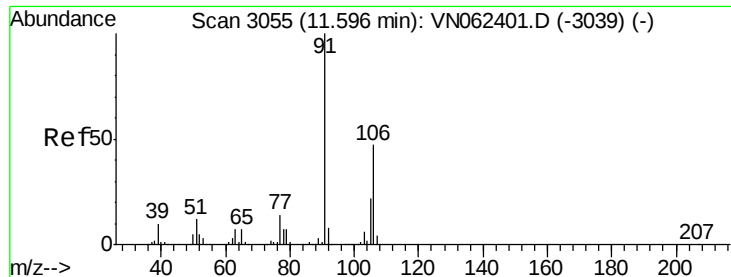
106 36.0 23.4 35.2#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

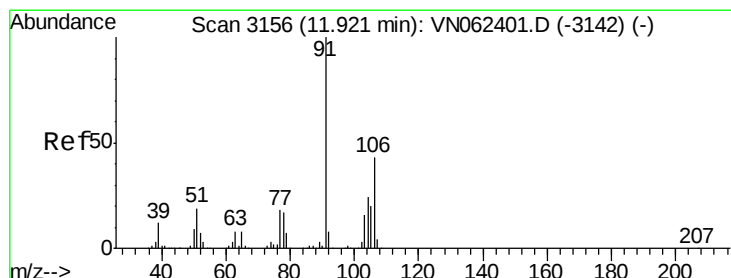
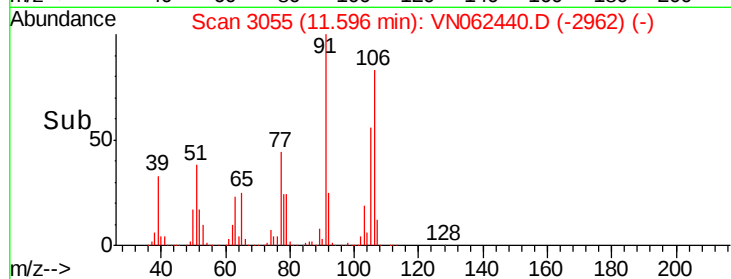
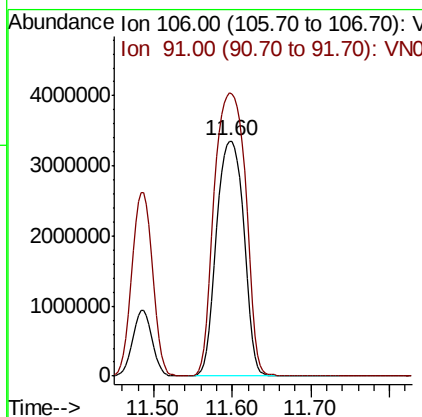
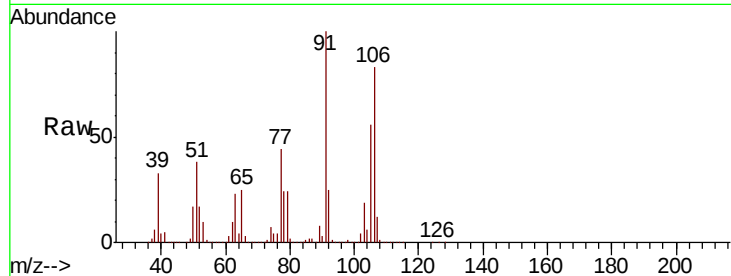




#68
m/p-Xylenes
Concen: 1776.684 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

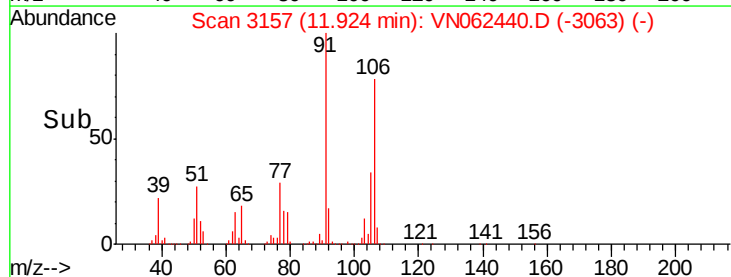
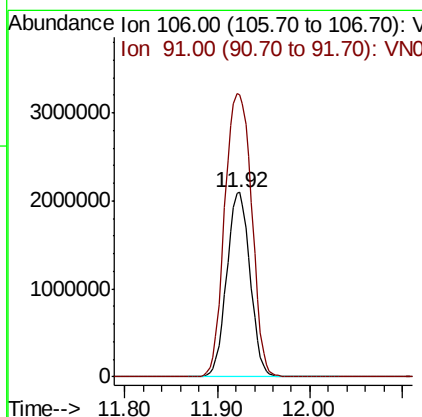
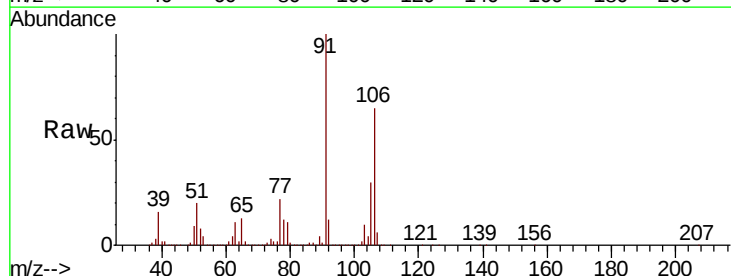
Instrument :
MSVOA_N
ClientSampled :
MW-6

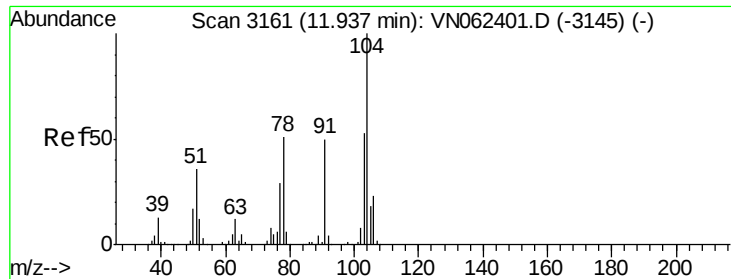
Tot Ion:106 Resp: 8047970
Ion Ratio Lower Upper
106 100
91 138.3 172.4 258.6#



#69
o-Xylene
Concen: 828.226 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion:106 Resp: 3652781
Ion Ratio Lower Upper
106 100
91 177.8 113.8 341.4

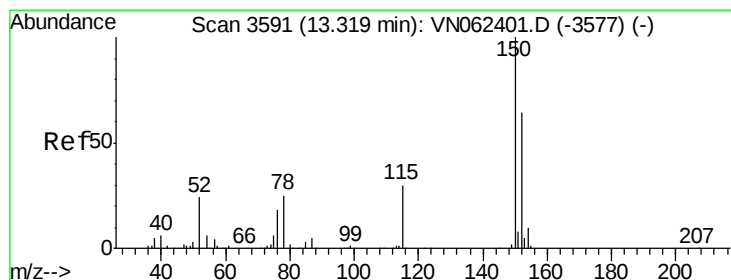
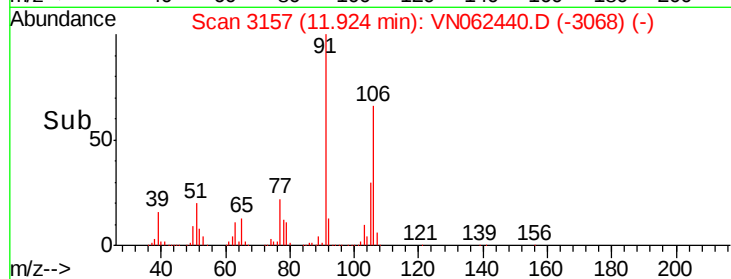
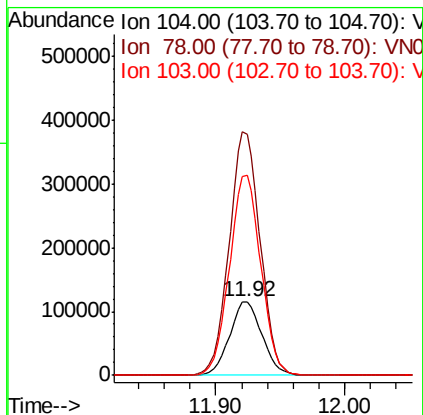
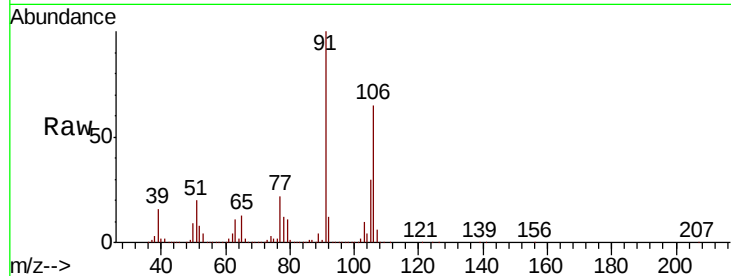




#70
Stvrene
Concen: 27.613 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.01 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

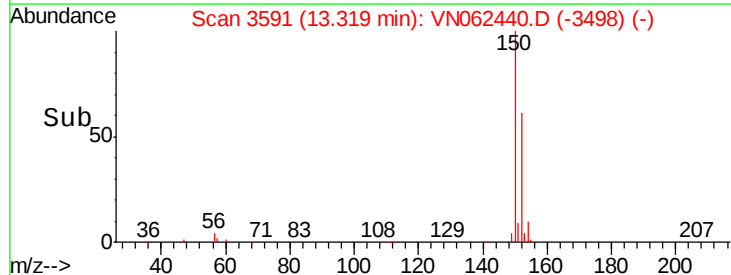
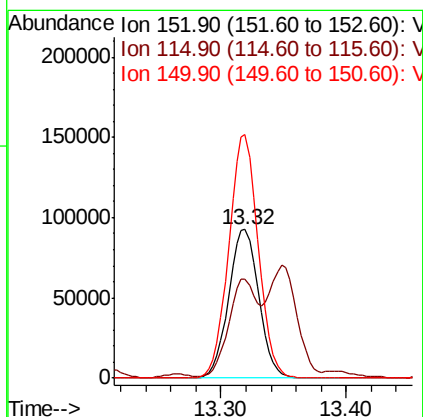
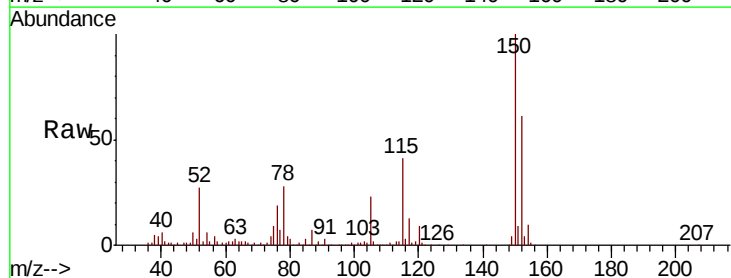
Instrument :
MSVOA_N
ClientSampled :
MW-6

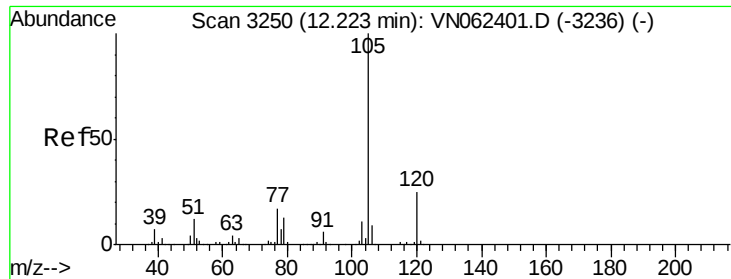
Tot Ion:104 Resp: 201272
Ion Ratio Lower Upper
104 100
78 315.4 44.2 66.4#
103 263.3 44.4 66.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion:152 Resp: 154364
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.2
150 159.4 0.0 347.4





#73

Isopropylbenzene

Concen: 25.485 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

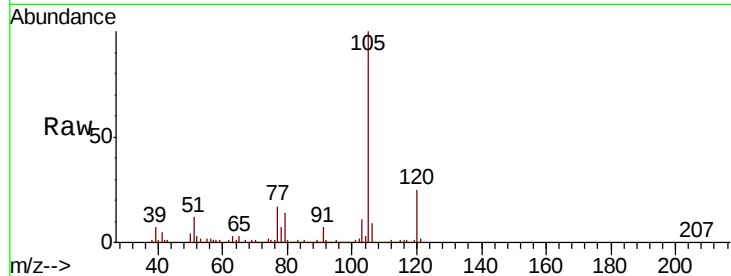
MW-6

Tot Ion:105 Resp: 304414

Ion Ratio Lower Upper

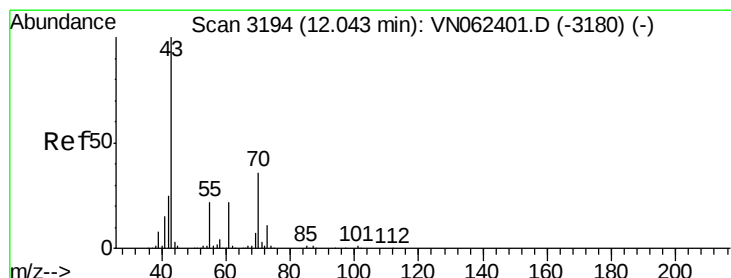
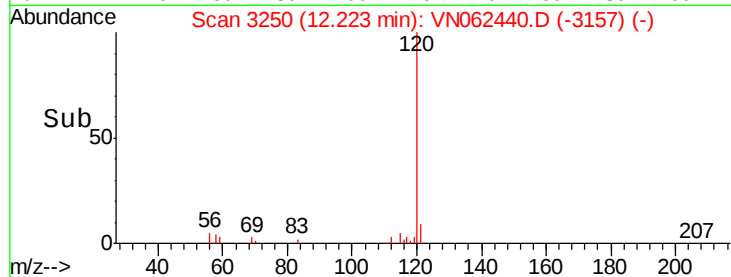
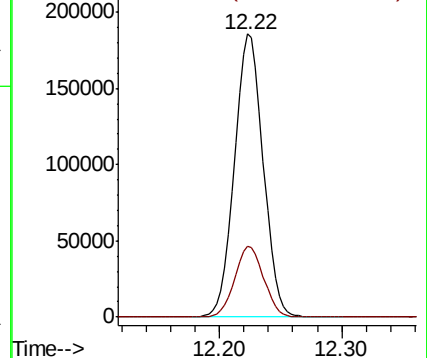
105 100

120 25.1 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.215 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Tgt Ion: 43 Resp: 1248

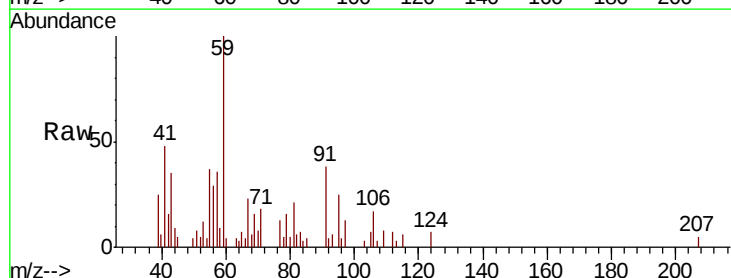
Ion Ratio Lower Upper

43 100

70 10.3 30.0 45.0#

55 34.1 18.2 27.4#

61 0.0 17.7 26.5#

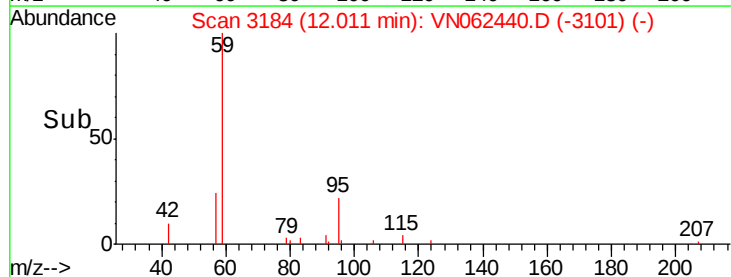
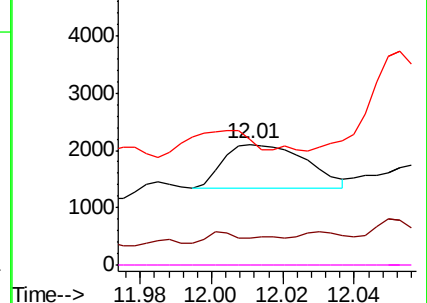


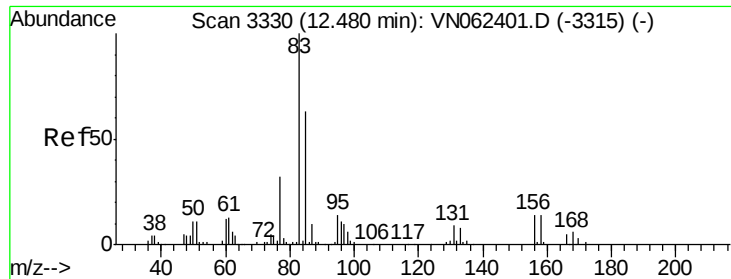
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.590 ug/l

RT: 12.49 min Scan# 3334

Delta R.T. 0.01 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

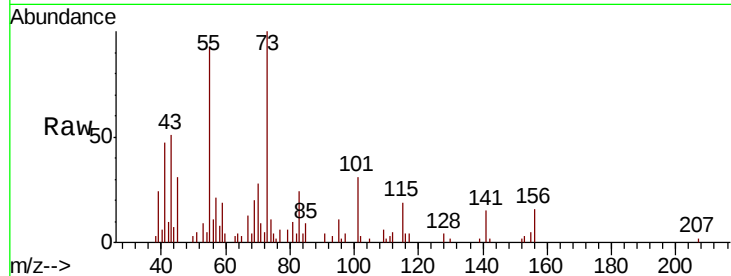
Tot Ion: 83 Resp: 2371

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

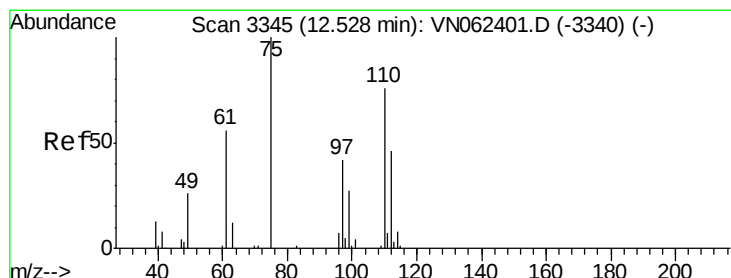
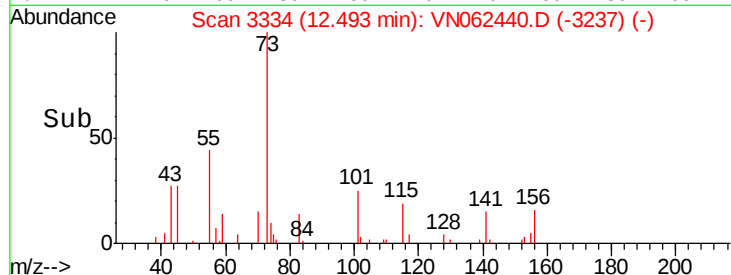
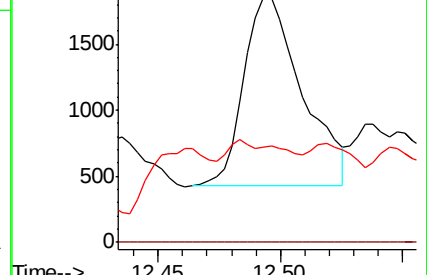
85 0.0 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): VN062440.D (-3330) (-)

Ion 130.80 (130.50 to 131.50): VN062440.D (-3330) (-)

Ion 84.90 (84.60 to 85.60): VN062440.D (-3330) (-)



#76

1,2,3-Trichloropropane

Concen: 0.901 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.04 min

Lab File: VN062440.D

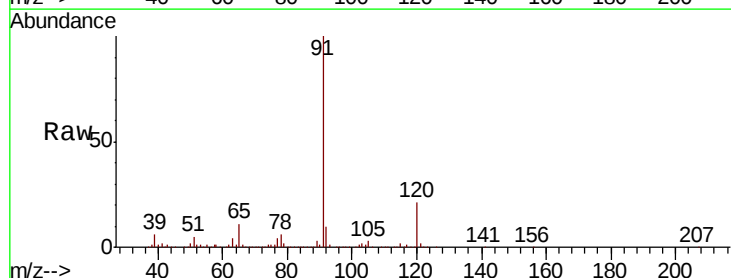
Acq: 9 Jul 2020 5:35

Tgt Ion: 75 Resp: 3412

Ion Ratio Lower Upper

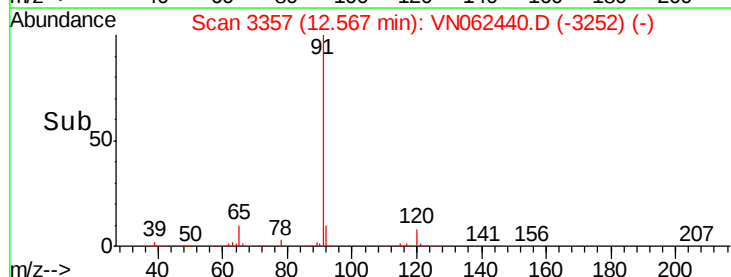
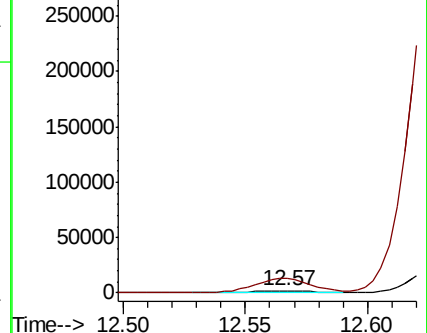
75 100

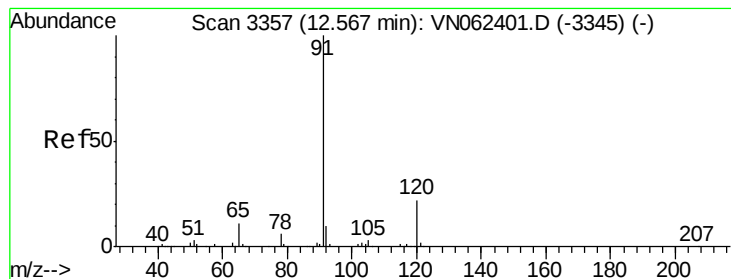
77 594.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062440.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN062440.D (-3345) (-)





#78

n-propylbenzene

Concen: 35.598 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

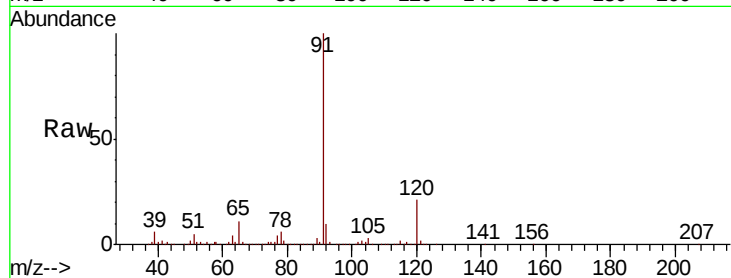
MW-6

Tot Ion: 91 Resp: 496707

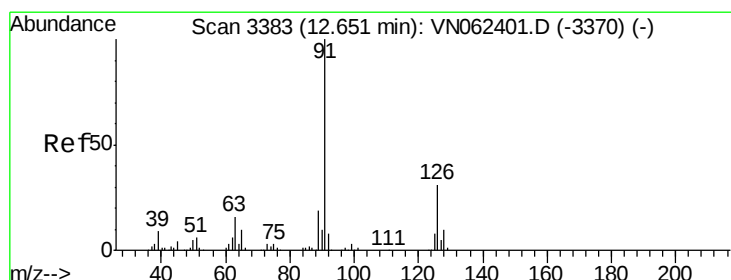
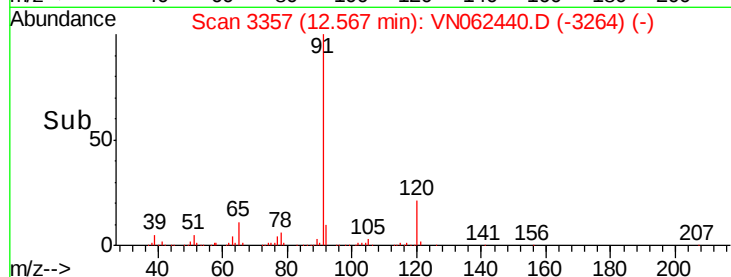
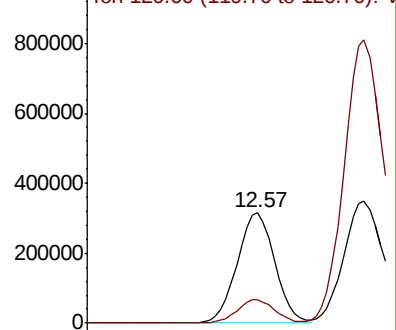
Ion Ratio Lower Upper

91 100

120 21.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN062440.D (-3345) (-)



#79

2-Chlorotoluene

Concen: 26.057 ug/l

RT: 12.66 min Scan# 3387

Delta R.T. 0.01 min

Lab File: VN062440.D

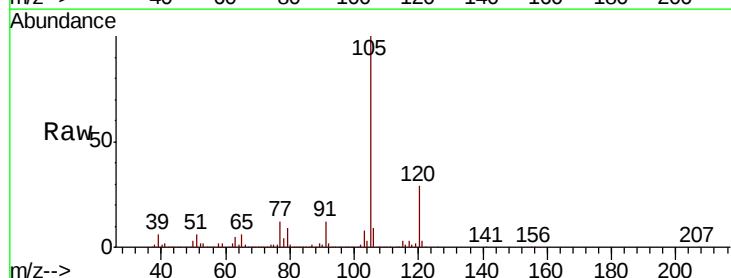
Acq: 9 Jul 2020 5:35

Tgt Ion: 91 Resp: 220667

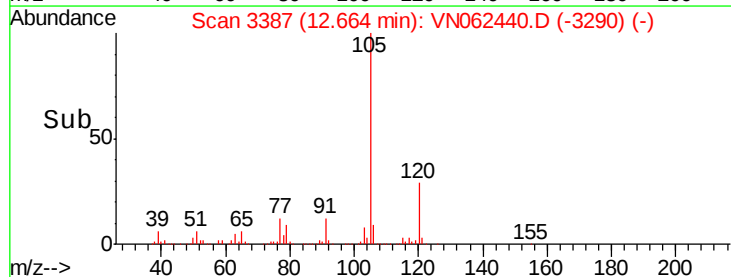
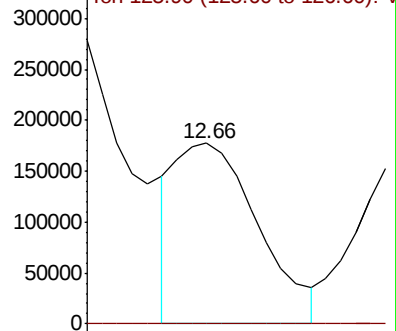
Ion Ratio Lower Upper

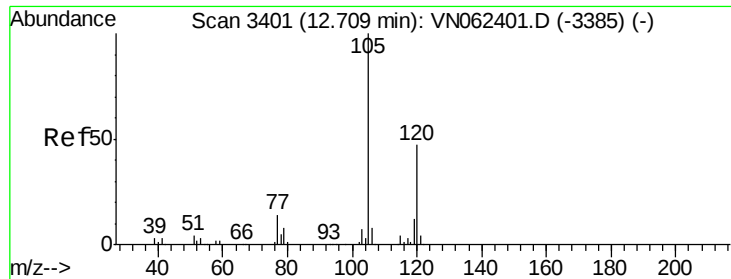
91 100

126 0.0 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VN062440.D (-3370) (-)

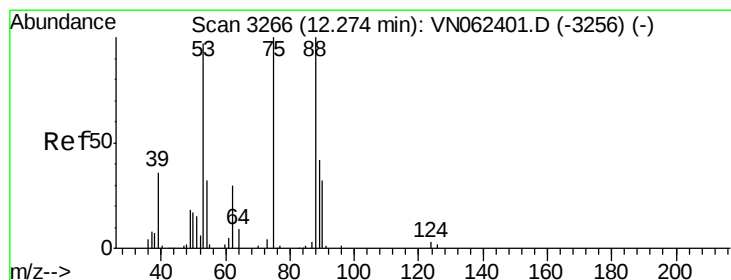
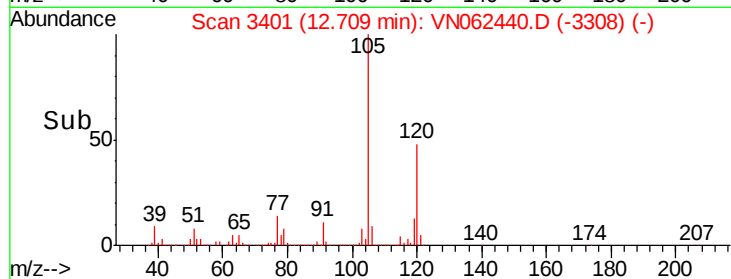
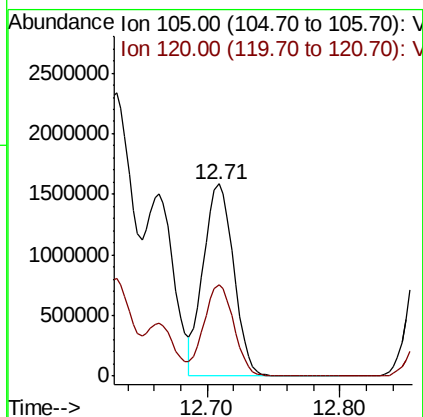
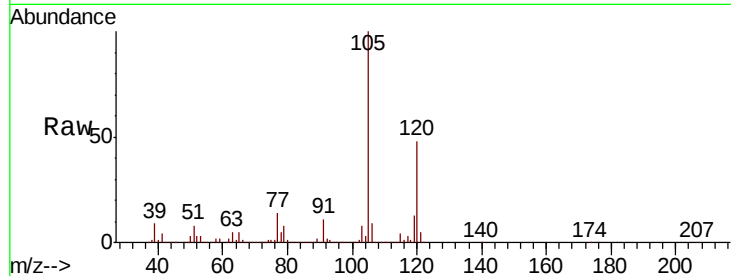




#80
 1,3,5-Trimethylbenzene
 Concen: 256.919 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

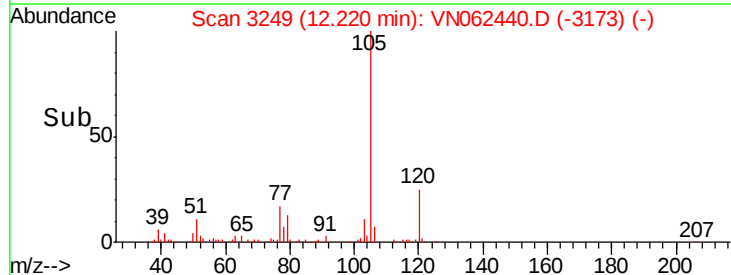
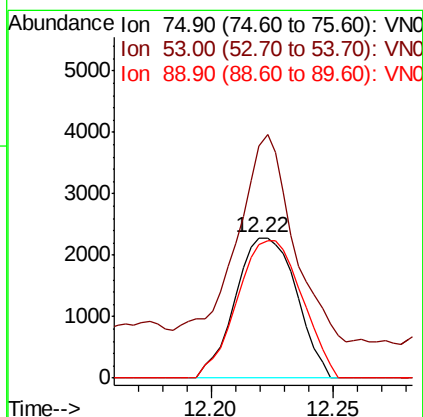
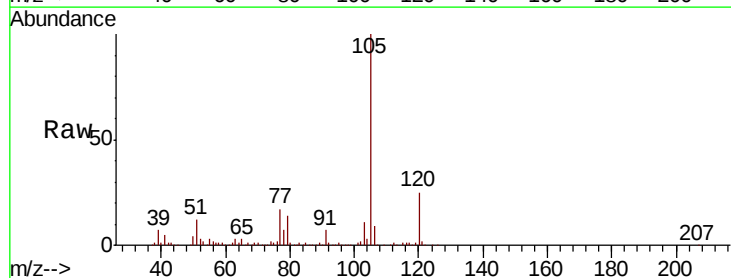
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

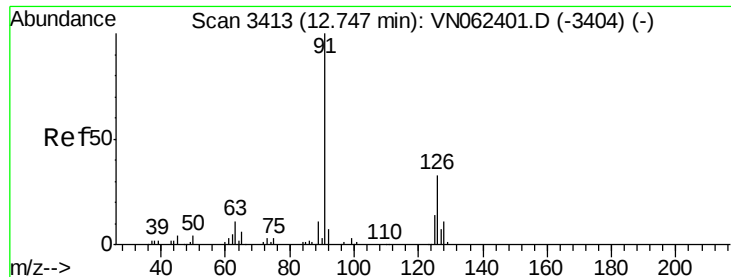
Tot Ion:105 Resp: 2515823
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.4 70.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 2.803 ug/l
 RT: 12.22 min Scan# 3249
 Delta R.T. -0.05 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Tgt Ion: 75 Resp: 3967
 Ion Ratio Lower Upper
 75 100
 53 133.4 79.2 118.8#
 89 103.5 34.6 52.0#





#82

4-Chlorotoluene

Concen: 32.169 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.04 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

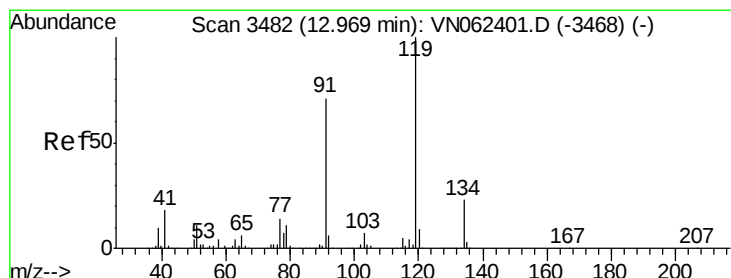
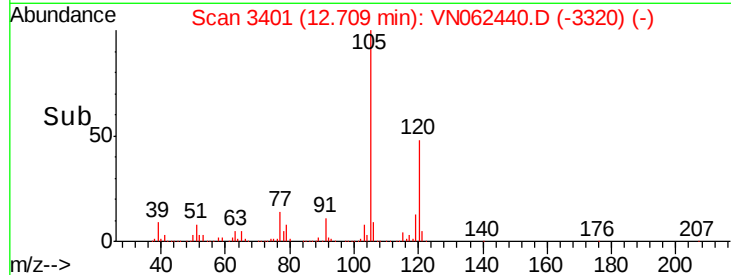
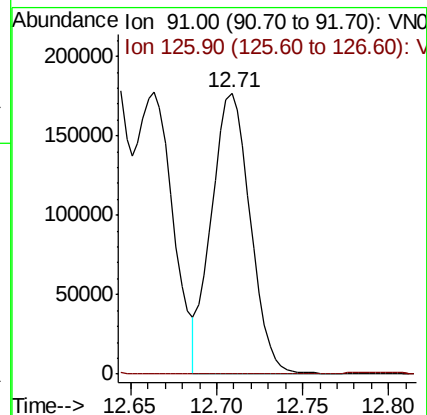
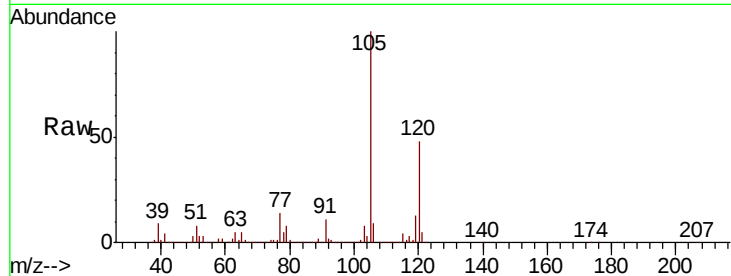
MW-6

Tot Ion: 91 Resp: 276570

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.6#



#83

tert-Butylbenzene

Concen: 134.873 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.05 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

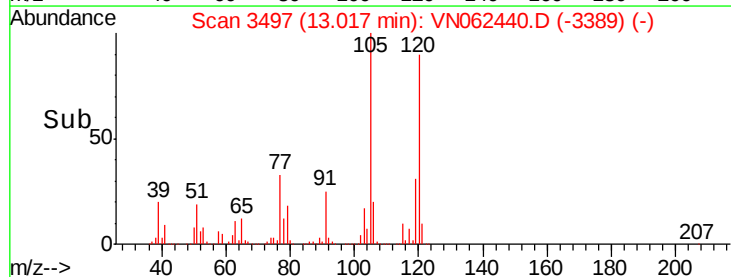
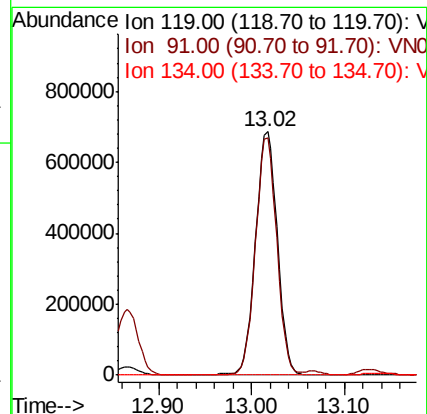
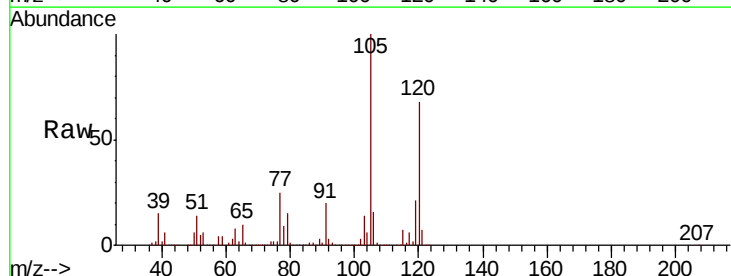
Tgt Ion: 119 Resp: 1120784

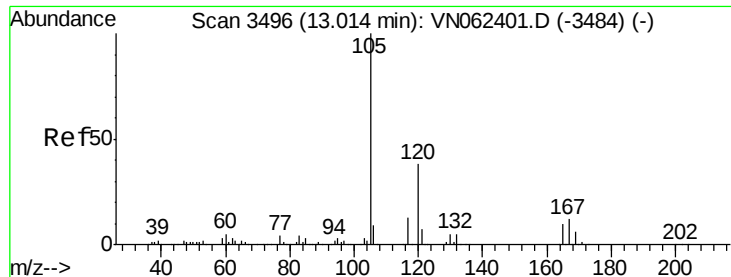
Ion Ratio Lower Upper

119 100

91 95.2 34.8 104.3

134 0.0 11.7 35.0#





#84

1,2,4-Trimethylbenzene

Concen: 680.647 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

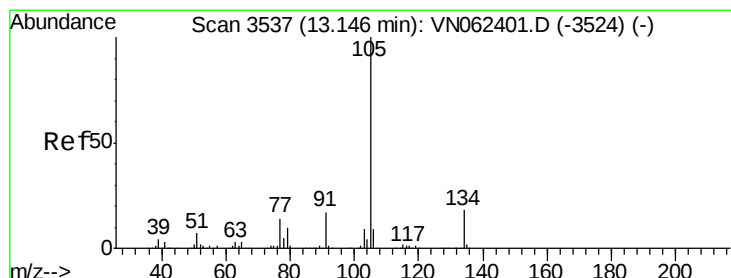
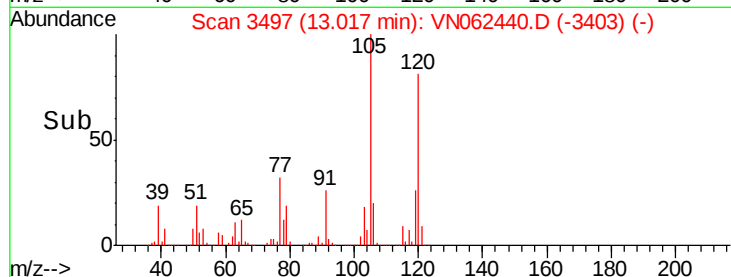
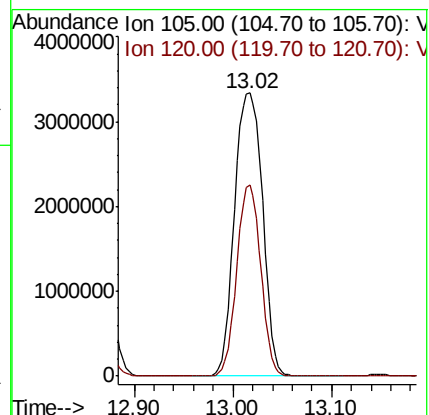
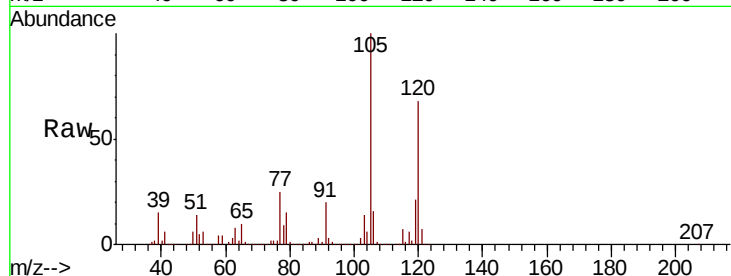
MW-6

Tot Ion:105 Resp: 6624950

Ion Ratio Lower Upper

105 100

120 57.7 21.6 64.8



#85

sec-Butylbenzene

Concen: 601.632 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. -0.13 min

Lab File: VN062440.D

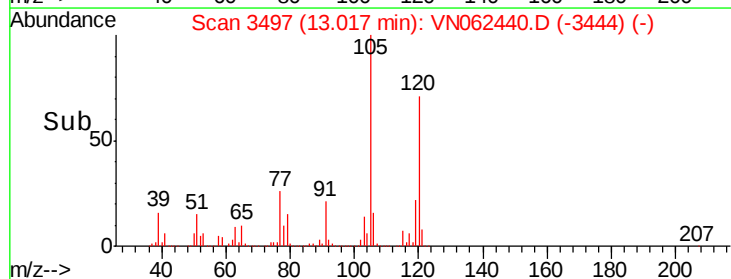
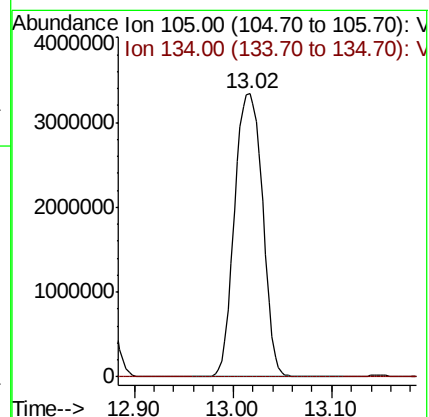
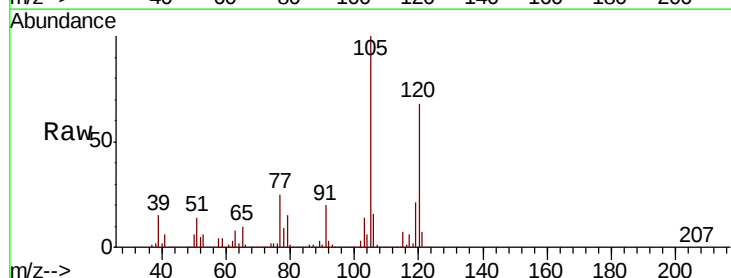
Acq: 9 Jul 2020 5:35

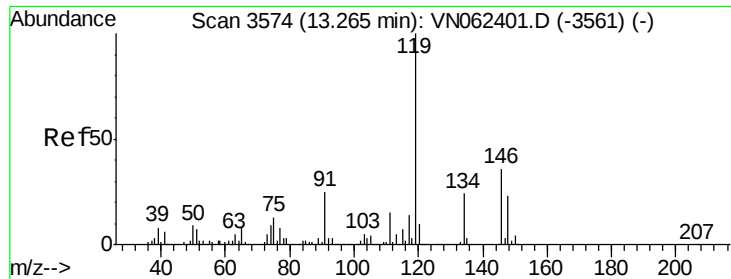
Tgt Ion:105 Resp: 6624950

Ion Ratio Lower Upper

105 100

134 0.0 9.3 28.0#

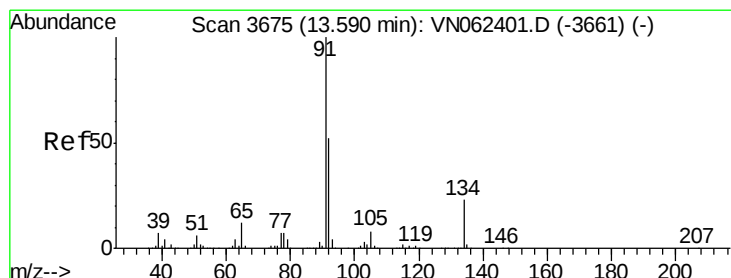
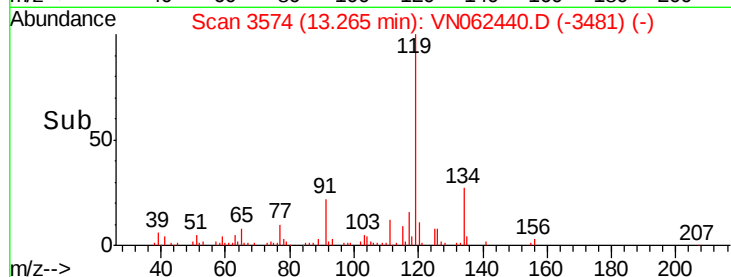
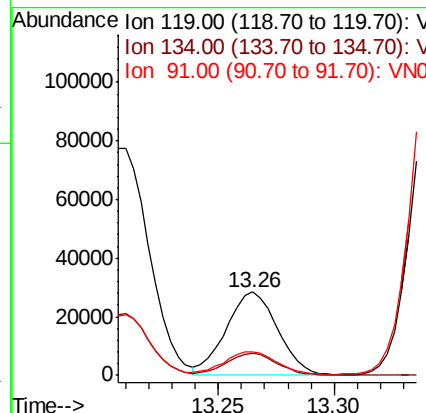
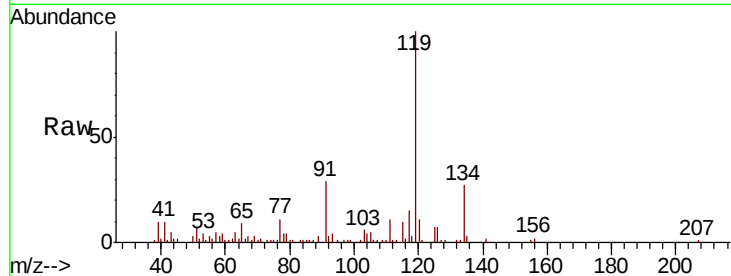




#86
p-Isopropyltoluene
Concen: 4.550 ug/l
RT: 13.26 min Scan# 3574
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

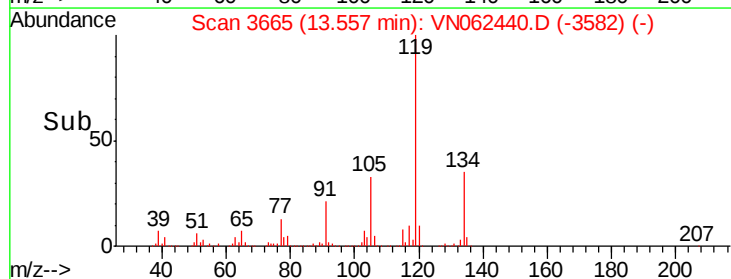
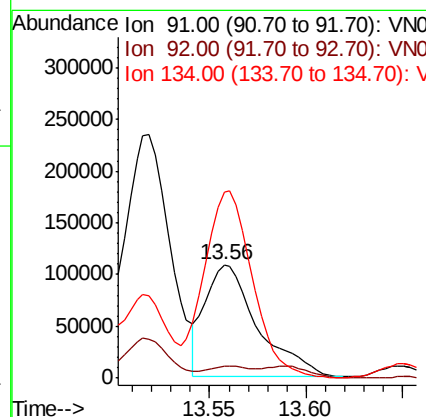
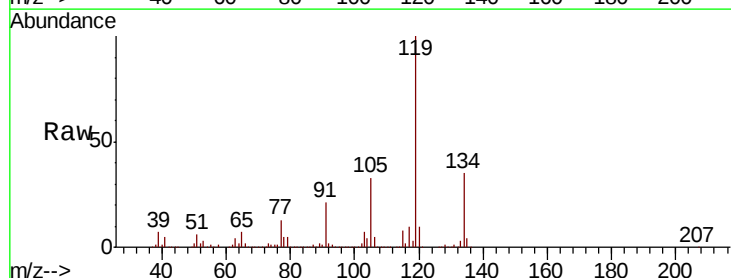
Instrument :
MSVOA_N
ClientSampled :
MW-6

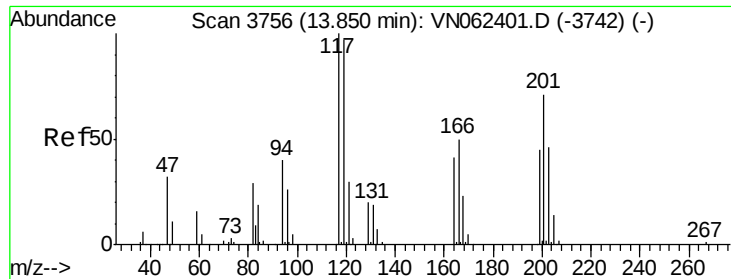
Tot Ion:119 Resp: 43244
Ion Ratio Lower Upper
119 100
134 26.3 12.4 37.0
91 0.0 12.4 37.4#



#89
n-Butylbenzene
Concen: 24.381 ug/l
RT: 13.56 min Scan# 3665
Delta R.T. -0.03 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion: 91 Resp: 204601
Ion Ratio Lower Upper
91 100
92 7.4 25.9 77.7#
134 152.8 11.6 34.8#





#90

Hexachloroethane

Concen: 53.069 ug/l

RT: 13.86 min Scan# 3760

Delta R.T. 0.01 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

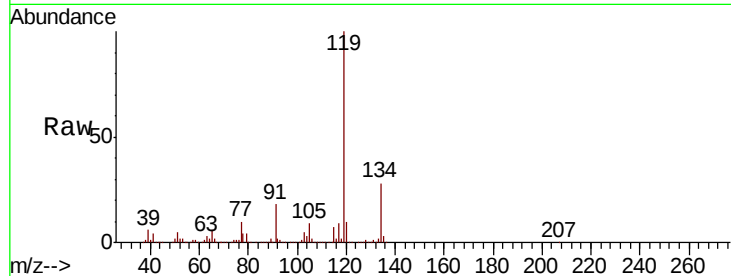
MW-6

Tot Ion:117 Resp: 99215

Ion Ratio Lower Upper

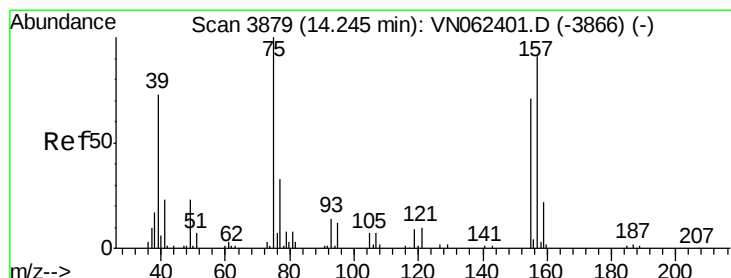
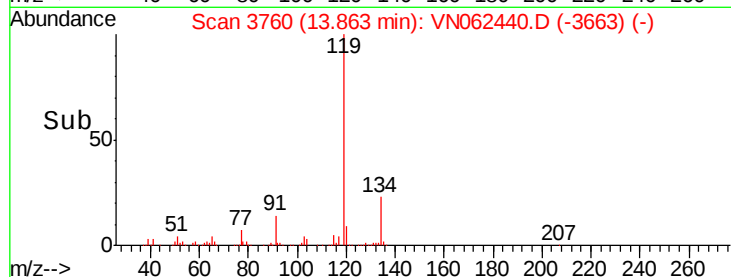
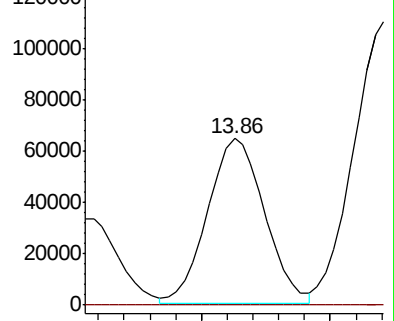
117 100

201 0.0 35.4 106.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.117 ug/l

RT: 14.22 min Scan# 3872

Delta R.T. -0.02 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

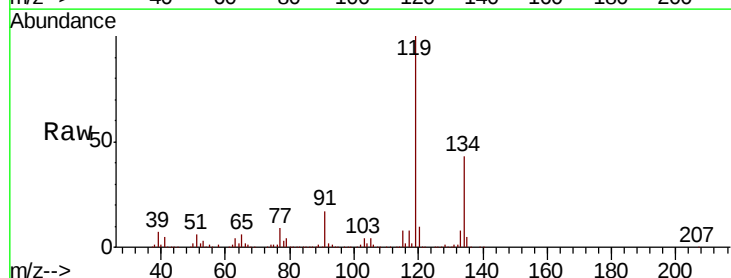
Tgt Ion: 75 Resp: 7415

Ion Ratio Lower Upper

75 100

155 0.0 35.2 105.6#

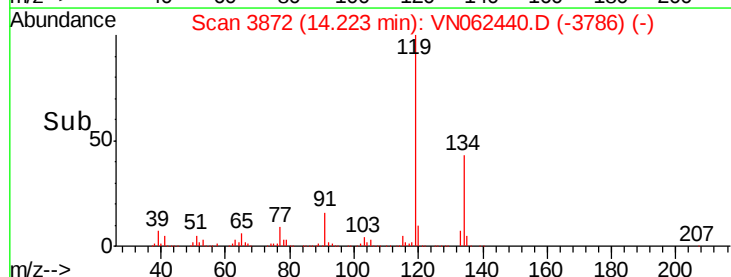
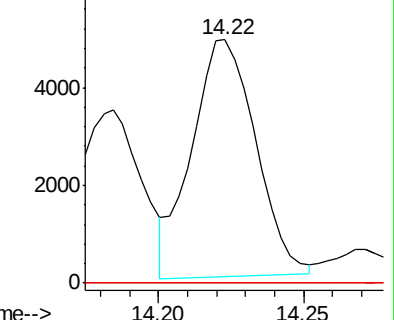
157 0.0 45.8 137.3#

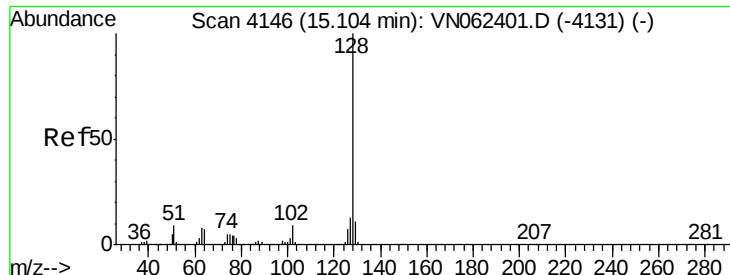


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 165.353 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Instrument :
MSVOA_N
ClientSampleId :
MW-6

Tot Ion:128 Resp: 1312191
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.0 8.6 12.8

