

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071123\
 Data File : VN078460.D
 Acq On : 11 Jul 2023 12:56
 Operator : JC\MD
 Sample : VN0711WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0711WBL02

Quant Time: Jul 12 01:32:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	457936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	811585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	755454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	257894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	301281	49.076	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.160%
35) Dibromofluoromethane	8.171	113	296502	53.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.640%
50) Toluene-d8	10.570	98	935994	44.973	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.940%
62) 4-Bromofluorobenzene	12.859	95	324511	50.620	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	108	0.019	ug/l #	43
4) Vinyl Chloride	2.530	62	274	0.035	ug/l #	42
7) Trichlorofluoromethane	3.289	101	56	0.006	ug/l #	19
9) 1,1,2-Trichlorotrifluo...	4.371	101	60	0.012	ug/l #	1
10) Methyl Iodide	4.600	142	928	0.135	ug/l #	73
11) Tert butyl alcohol	5.559	59	67	0.071	ug/l #	72
12) 1,1-Dichloroethene	4.341	96	83	0.017	ug/l #	1
14) Allyl chloride	5.024	41	180	0.027	ug/l #	46
15) Acrylonitrile	5.736	53	176	0.074	ug/l #	70
18) Methyl Acetate	5.041	43	718	0.089	ug/l #	42
21) trans-1,2-Dichloroethene	5.800	96	578	0.106	ug/l #	49
22) Diisopropyl ether	6.694	45	56	0.004	ug/l #	33
23) Vinyl Acetate	6.630	43	341	0.036	ug/l #	62
25) 2-Butanone	7.506	43	545	0.181	ug/l #	37
26) 2,2-Dichloropropane	7.553	77	57	0.007	ug/l #	53
27) cis-1,2-Dichloroethene	7.488	96	62	0.010	ug/l #	50
28) Bromochloromethane	7.835	49	79	0.017	ug/l #	5
29) Tetrahydrofuran	7.859	42	286	0.145	ug/l #	36
30) Chloroform	7.959	83	308	0.030	ug/l #	15
32) 1,1,1-Trichloroethane	8.235	97	310	0.033	ug/l #	1
37) Ethyl Acetate	7.559	43	132	0.020	ug/l #	63
39) Methylcyclohexane	9.612	83	209	0.029	ug/l #	23
40) Benzene	8.600	78	829	0.035	ug/l #	52
41) Methacrylonitrile	7.771	41	59	0.017	ug/l #	8
42) 1,2-Dichloroethane	8.665	62	511	0.064	ug/l #	73
43) Isopropyl Acetate	8.653	43	77	0.007	ug/l #	49
44) Trichloroethene	9.353	130	324	0.051	ug/l	67
45) 1,2-Dichloropropane	9.606	63	69	0.012	ug/l #	45
46) Dibromomethane	9.718	93	210	0.050	ug/l #	35
47) Bromodichloromethane	9.888	83	204	0.024	ug/l #	26
48) Methyl methacrylate	9.688	41	180	0.036	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	1106	0.170	ug/l #	31
52) Toluene	10.641	92	587	0.040	ug/l #	52
53) t-1,3-Dichloropropene	10.847	75	329	0.038	ug/l #	84
54) cis-1,3-Dichloropropene	10.318	75	185	0.020	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	71	0.012	ug/l #	16

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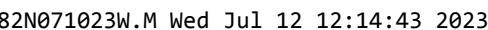
Quant Time: Jul 12 01:32:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
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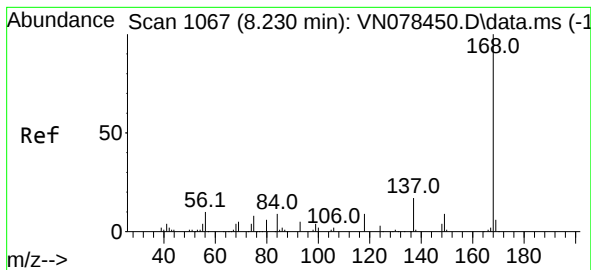
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

56) Ethyl methacrylate	10.870	69	56	0.007	ug/l #	1
57) 1,3-Dichloropropane	11.159	76	132	0.013	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.165	63	128	0.045	ug/l #	42
60) Dibromochloromethane	11.365	129	229	0.036	ug/l #	38
64) Tetrachloroethene	11.118	164	361	0.064	ug/l #	38
65) Chlorobenzene	11.900	112	1430	0.085	ug/l #	77
67) Ethyl Benzene	11.976	91	2124	0.074	ug/l #	77
68) m/p-Xylenes	12.082	106	1087	0.103	ug/l #	56
69) o-Xylene	12.394	106	231	0.022	ug/l #	1
70) Styrene	12.423	104	1371	0.082	ug/l #	38
73) Isopropylbenzene	12.706	105	1039	0.043	ug/l #	66
74) N-amyl acetate	12.500	43	829	0.099	ug/l #	40
78) n-propylbenzene	13.041	91	1825	0.070	ug/l	99
79) 2-Chlorotoluene	13.229	91	1430	0.084	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	1940	0.101	ug/l	97
82) 4-Chlorotoluene	13.229	91	1430	0.090	ug/l	100
83) tert-Butylbenzene	13.447	119	595	0.037	ug/l #	57
84) 1,2,4-Trimethylbenzene	13.488	105	2265	0.122	ug/l	82
85) sec-Butylbenzene	13.623	105	1327	0.065	ug/l	93
86) p-Isopropyltoluene	13.729	119	936	0.057	ug/l #	82
87) 1,3-Dichlorobenzene	13.729	146	1443	0.155	ug/l #	76
88) 1,4-Dichlorobenzene	13.729	146	1443	0.154	ug/l	77
89) n-Butylbenzene	14.059	91	1858	0.157	ug/l #	88
91) 1,2-Dichlorobenzene	14.111	146	1028	0.111	ug/l	85

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

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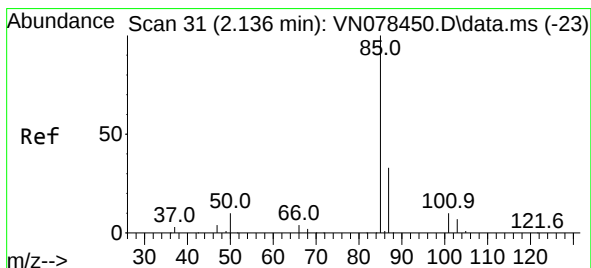
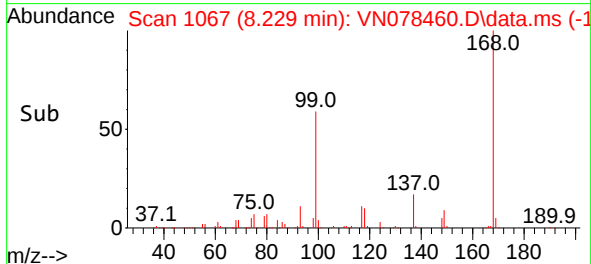
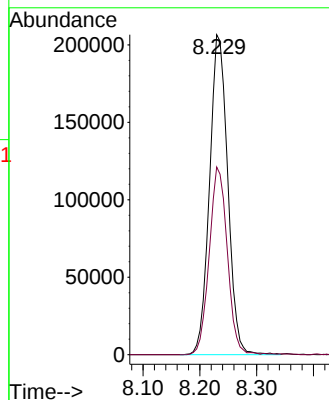
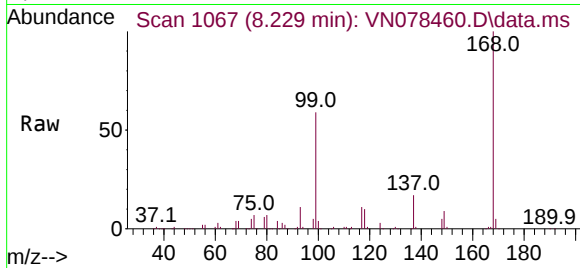




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

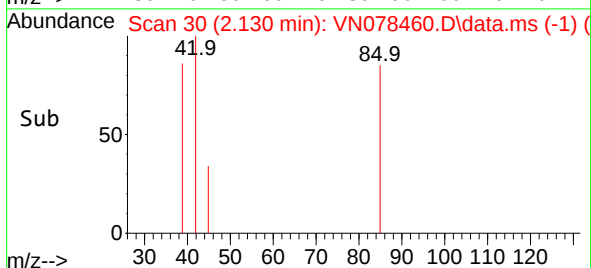
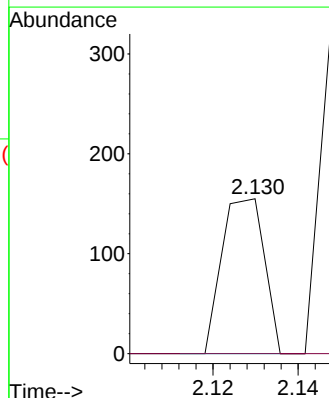
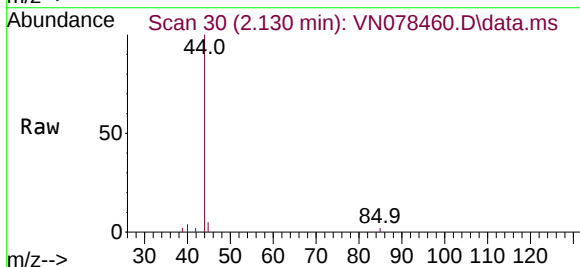
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

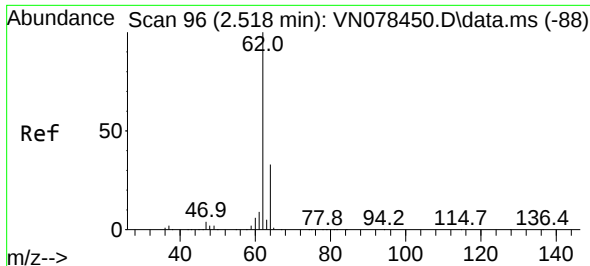
Tgt Ion:168 Resp: 457936
Ion Ratio Lower Upper
168 100
99 58.6 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.019 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 85 Resp: 108
Ion Ratio Lower Upper
85 100
87 0.0 15.8 47.4#

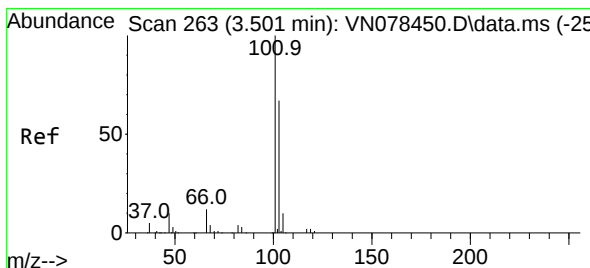
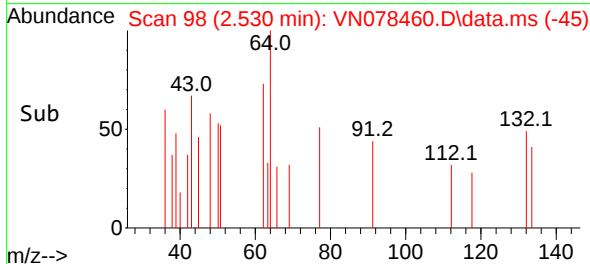
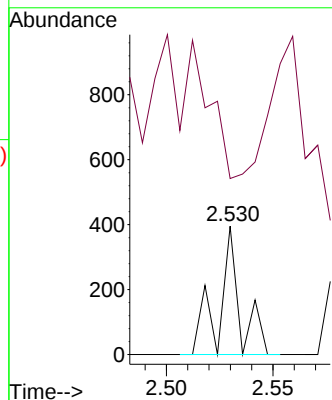
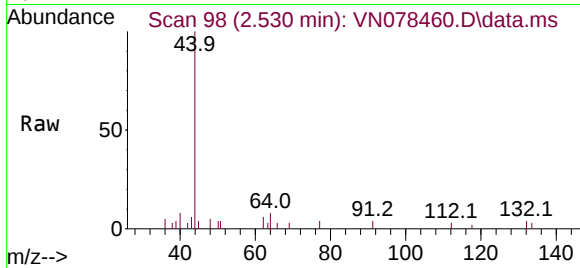




#4
 Vinyl Chloride
 Concen: 0.035 ug/l
 RT: 2.530 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56

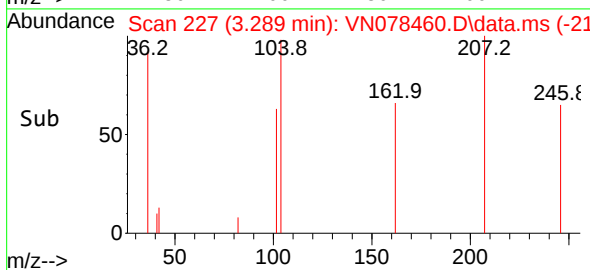
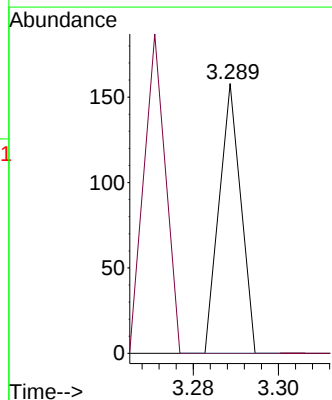
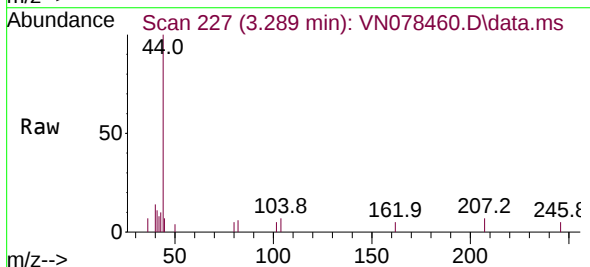
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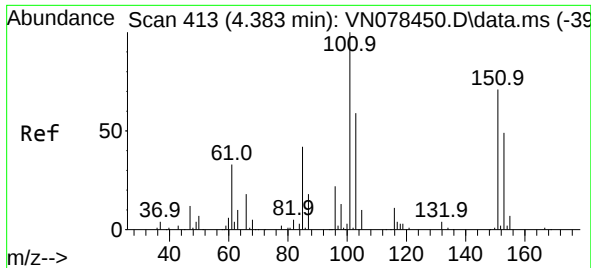
Tgt Ion: 62 Resp: 274
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.2 39.2#



#7
 Trichlorofluoromethane
 Concen: 0.006 ug/l
 RT: 3.289 min Scan# 227
 Delta R.T. -0.212 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56

Tgt Ion: 101 Resp: 56
 Ion Ratio Lower Upper
 101 100
 103 0.0 50.7 76.1#

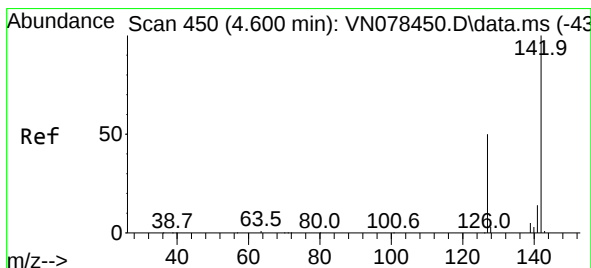
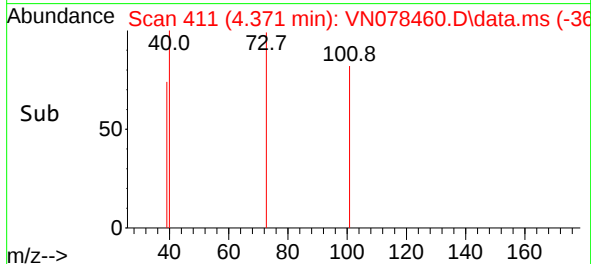
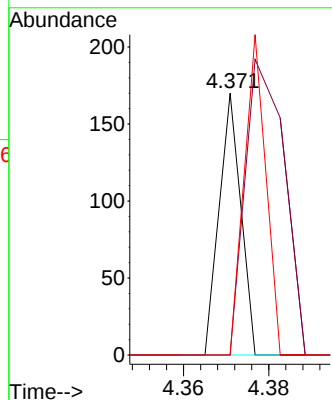
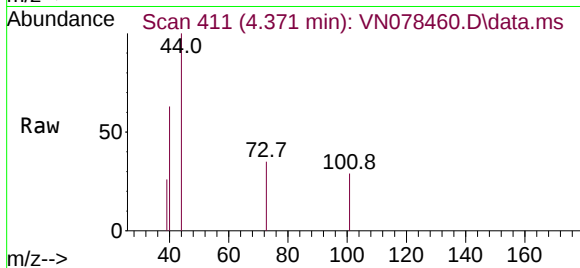




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.012 ug/l
RT: 4.371 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

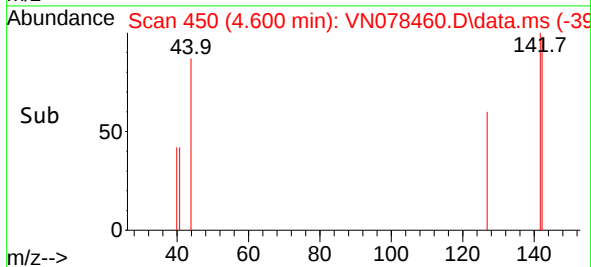
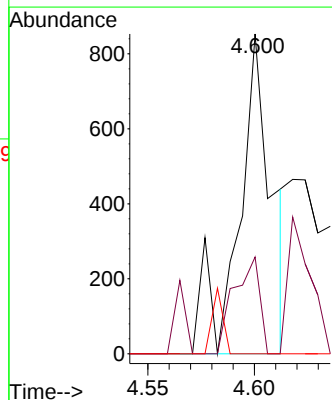
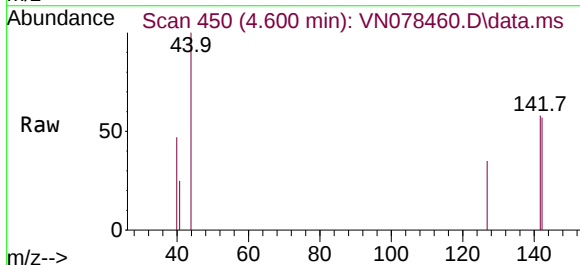
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

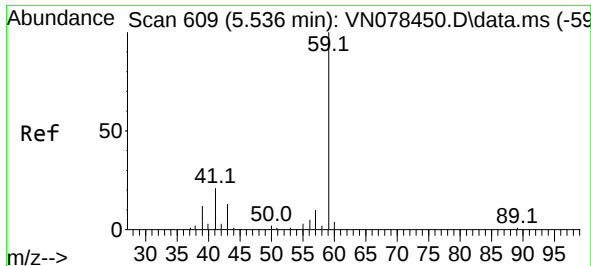
Tgt Ion:101 Resp: 60
Ion Ratio Lower Upper
101 100
85 203.3 36.6 55.0#
151 121.7 57.6 86.4#



#10
Methyl Iodide
Concen: 0.135 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.000 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion:142 Resp: 928
Ion Ratio Lower Upper
142 100
127 30.2 37.6 56.4#
141 0.0 11.4 17.0#

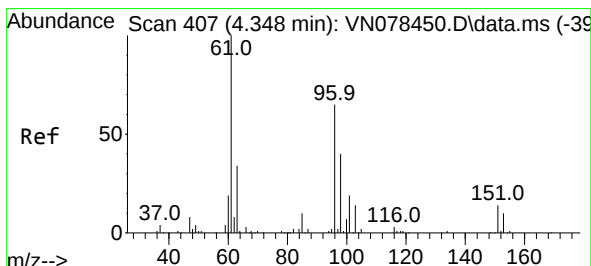
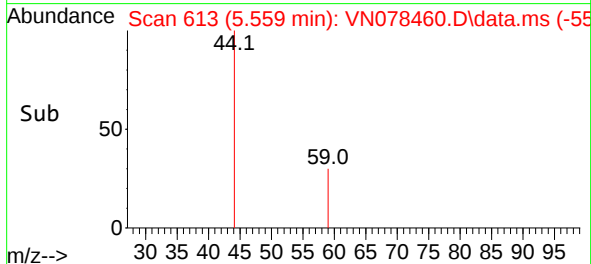
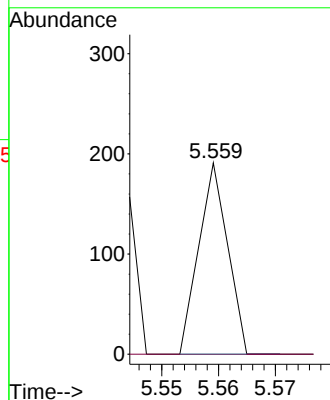
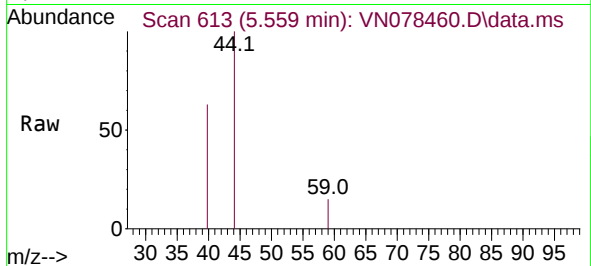




#11
Tert butyl alcohol
Concen: 0.071 ug/l
RT: 5.559 min Scan# 61
Delta R.T. 0.023 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

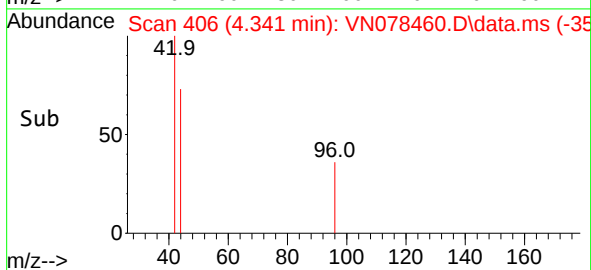
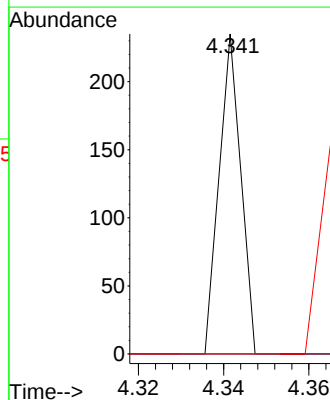
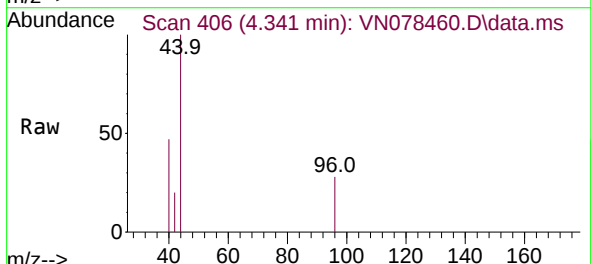
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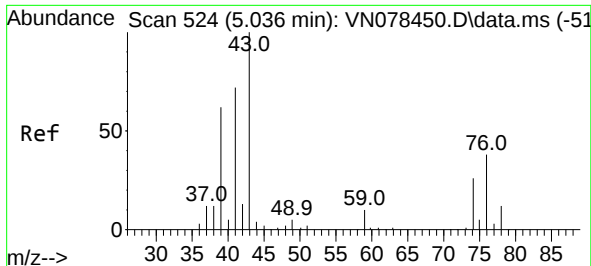
Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.017 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 96 Resp: 83
Ion Ratio Lower Upper
96 100
61 0.0 112.7 169.1#
98 0.0 51.2 76.8#

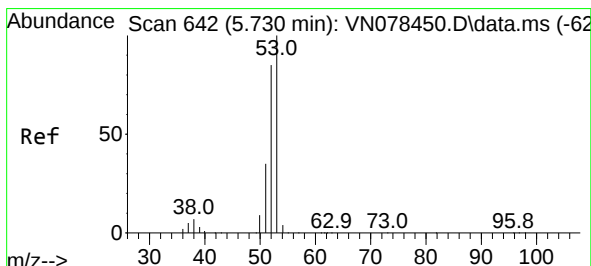
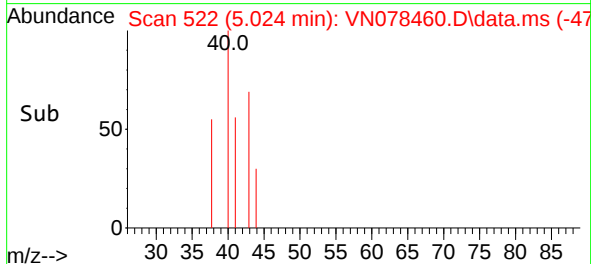
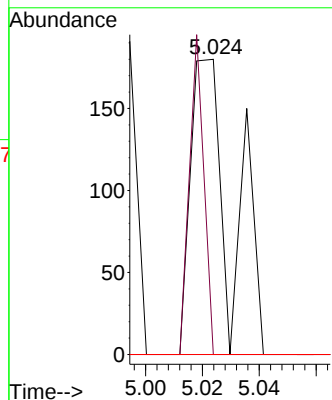
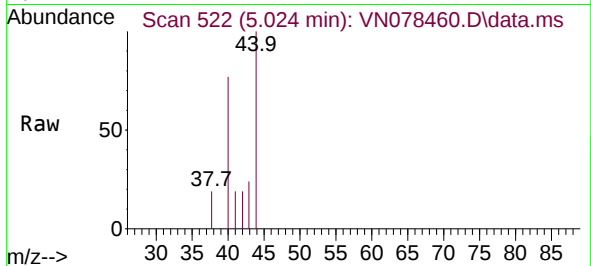




#14
 Allyl chloride
 Concen: 0.027 ug/l
 RT: 5.024 min Scan# 511
 Delta R.T. -0.012 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56

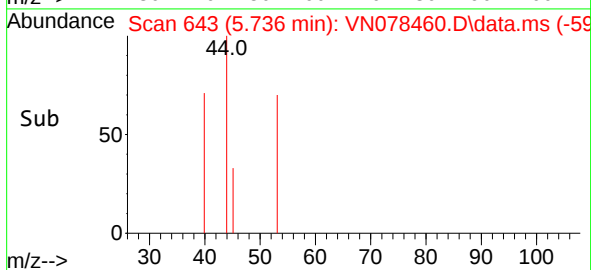
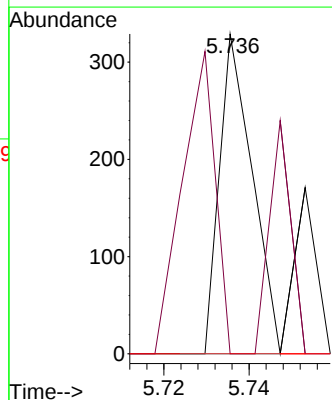
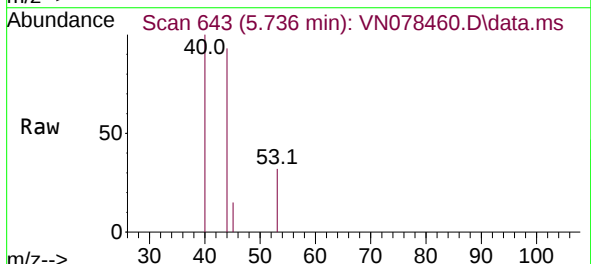
Instrument :
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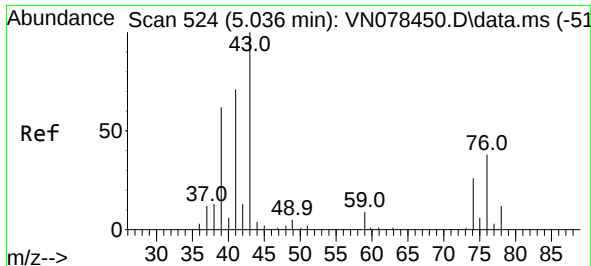
Tgt Ion: 41	Resp:	180
Ion	Ratio	Lower Upper
41	100	
39	38.3	58.8 88.2#
76	0.0	39.1 58.7#



#15
 Acrylonitrile
 Concen: 0.074 ug/l
 RT: 5.736 min Scan# 643
 Delta R.T. 0.006 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56

Tgt Ion: 53	Resp:	176
Ion	Ratio	Lower Upper
53	100	
52	95.5	65.3 97.9
51	0.0	28.9 43.3#

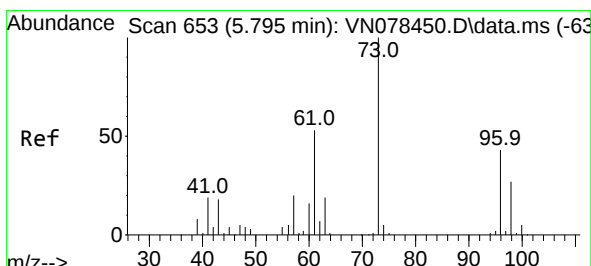
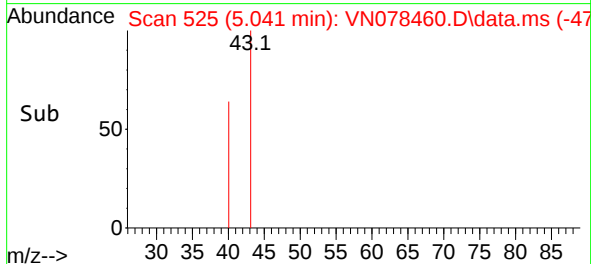
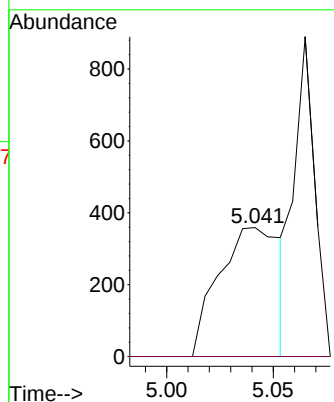
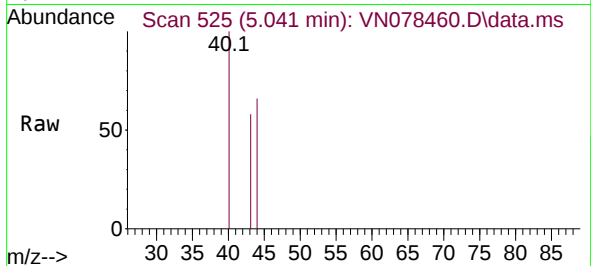




#18
Methyl Acetate
Concen: 0.089 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

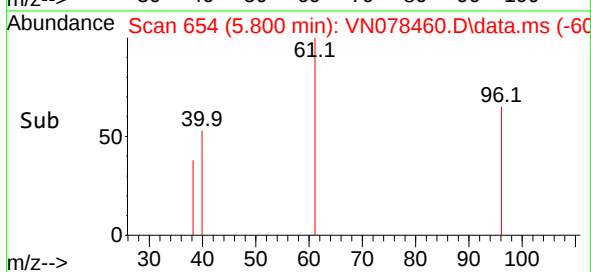
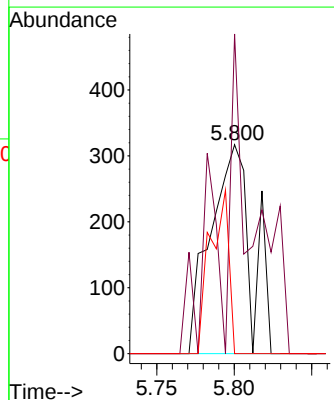
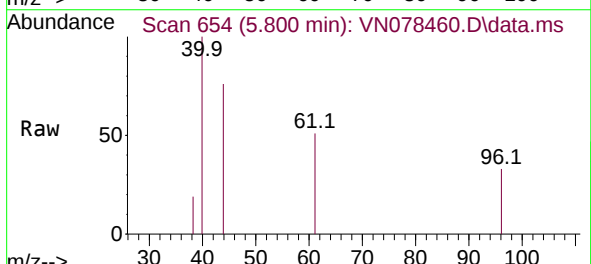
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

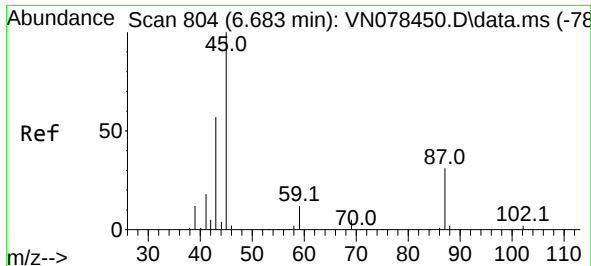
Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#21
trans-1,2-Dichloroethene
Concen: 0.106 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.005 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 96 Resp: 578
Ion Ratio Lower Upper
96 100
61 153.0 90.1 135.1#
98 0.0 46.4 69.6#

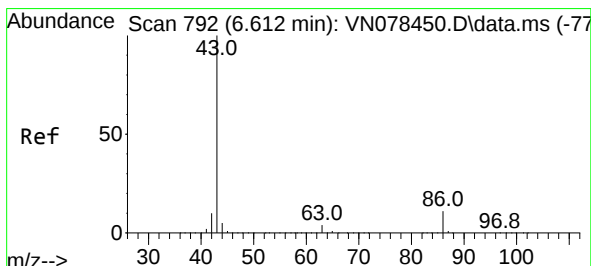
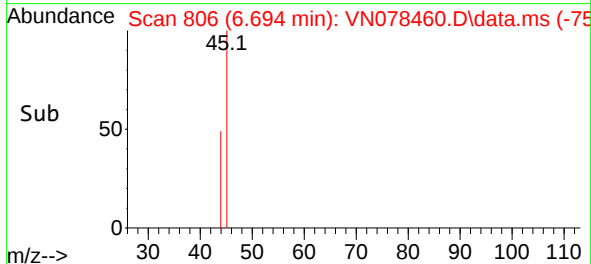
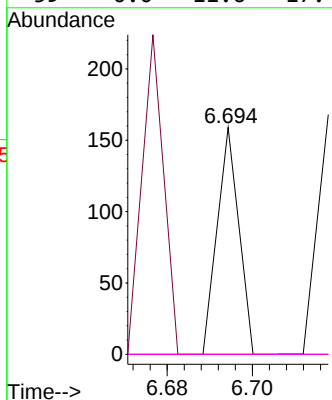
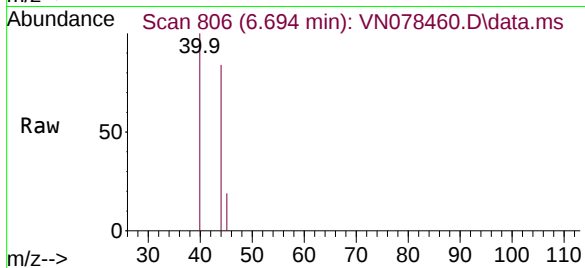




#22
Diisopropyl ether
Concen: 0.004 ug/l
RT: 6.694 min Scan# 806
Delta R.T. 0.011 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

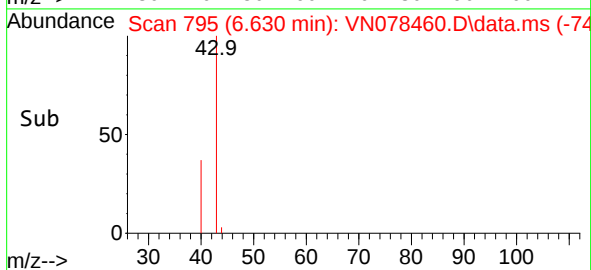
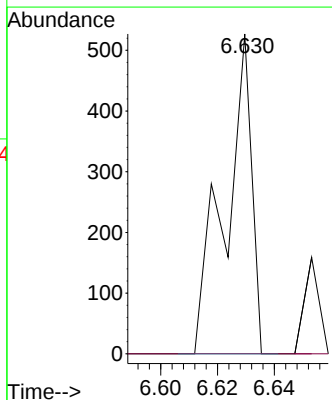
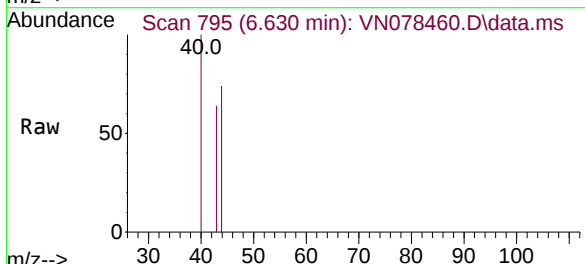
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

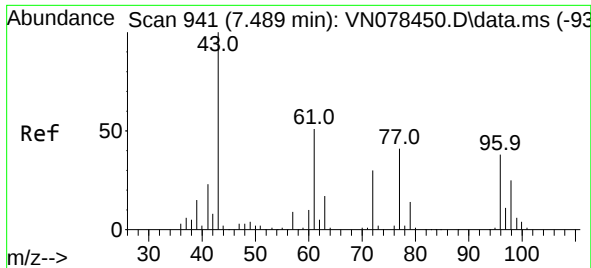
Tgt Ion:	45	Resp:	56
Ion	Ratio	Lower	Upper
45	100		
43	0.0	45.5	68.3#
87	0.0	31.8	47.8#
59	0.0	11.6	17.4#



#23
Vinyl Acetate
Concen: 0.036 ug/l
RT: 6.630 min Scan# 795
Delta R.T. 0.018 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion:	43	Resp:	341
Ion	Ratio	Lower	Upper
43	100		
86	0.0	13.0	19.6#

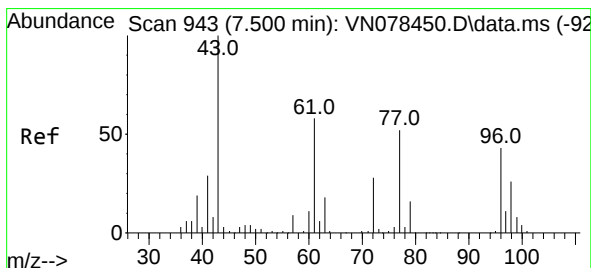
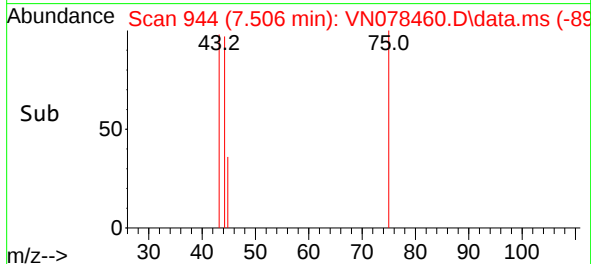
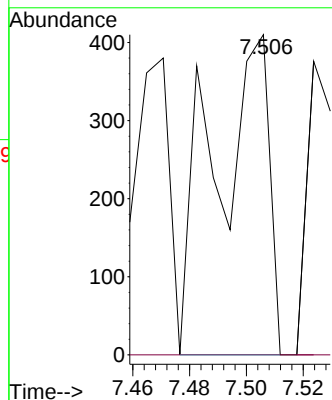
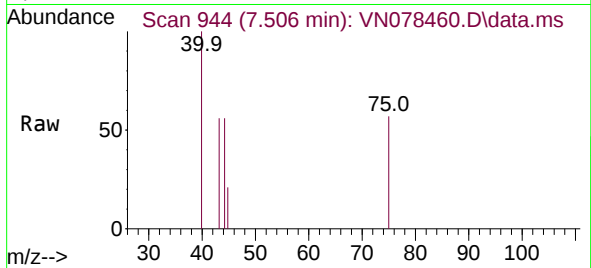




#25
2-Butanone
Concen: 0.181 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.017 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

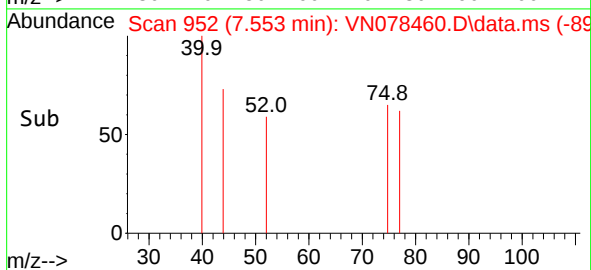
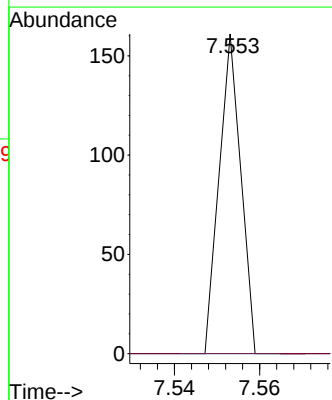
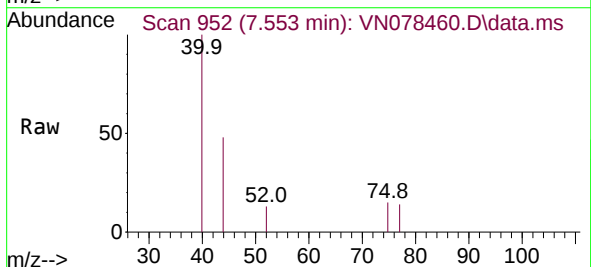
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

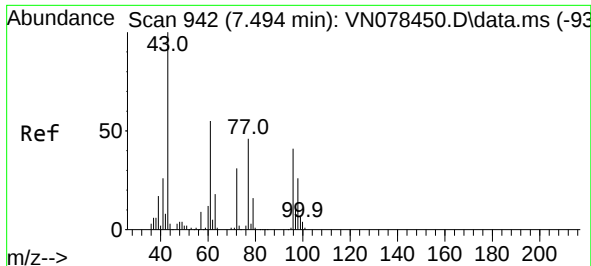
Tgt Ion: 43 Resp: 545
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#26
2,2-Dichloropropane
Concen: 0.007 ug/l
RT: 7.553 min Scan# 952
Delta R.T. 0.053 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

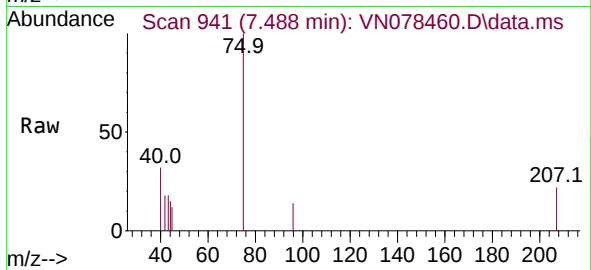
Tgt Ion: 77 Resp: 57
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



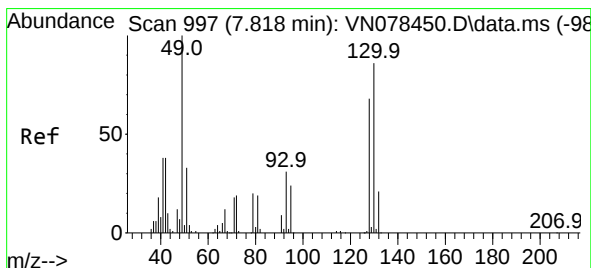
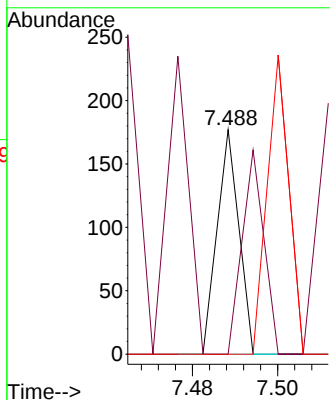
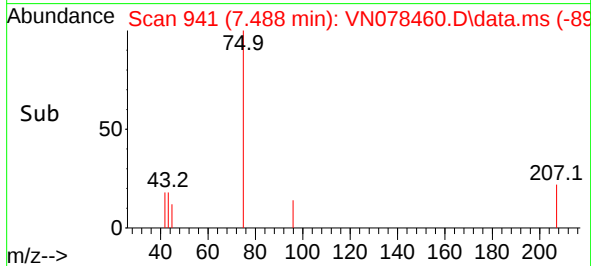


#27
 cis-1,2-Dichloroethene
 Concen: 0.010 ug/l
 RT: 7.488 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56

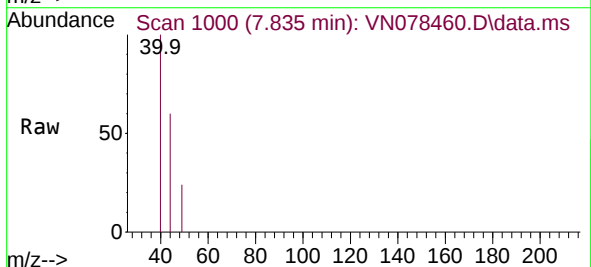
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0711WBL02



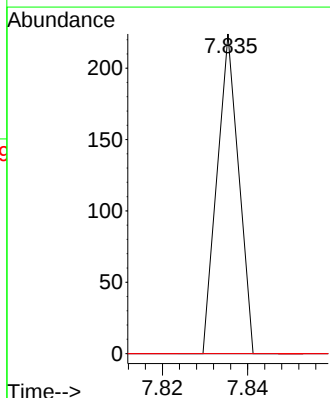
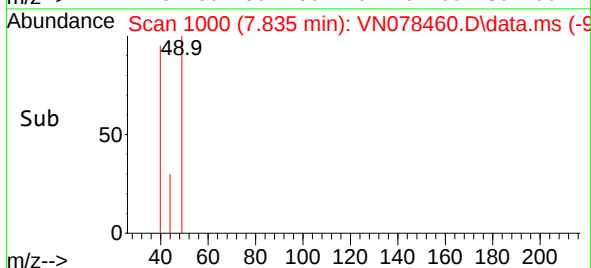
Tgt Ion: 96 Resp: 62
 Ion Ratio Lower Upper
 96 100
 61 91.9 0.0 255.2
 98 133.9 0.0 128.8#

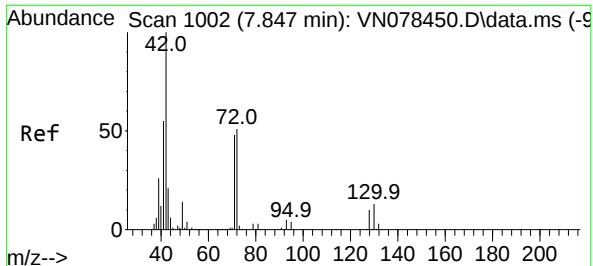


#28
 Bromochloromethane
 Concen: 0.017 ug/l
 RT: 7.835 min Scan# 1000
 Delta R.T. 0.017 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56



Tgt Ion: 49 Resp: 79
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 0.0 75.3 112.9#





#29

Tetrahydrofuran

Concen: 0.145 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.012 min

Lab File: VN078460.D

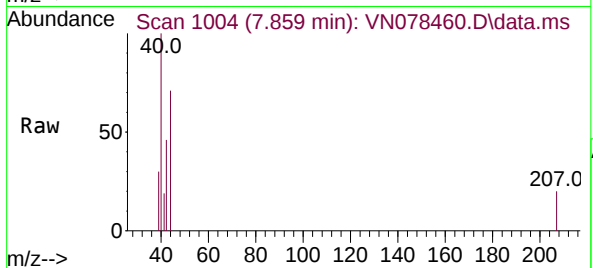
Acq: 11 Jul 2023 12:56

Instrument :

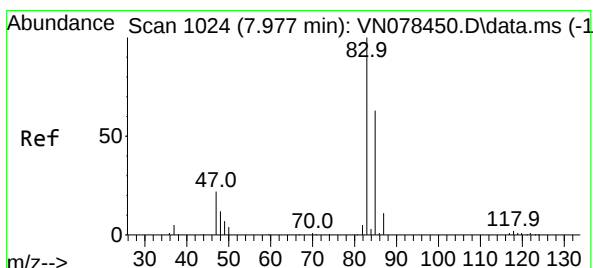
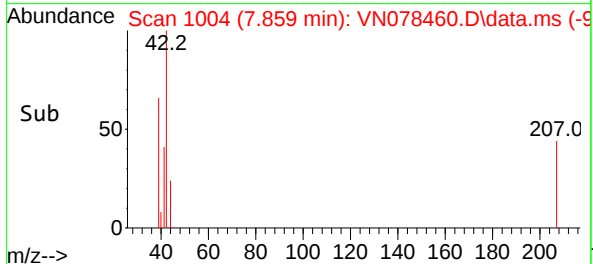
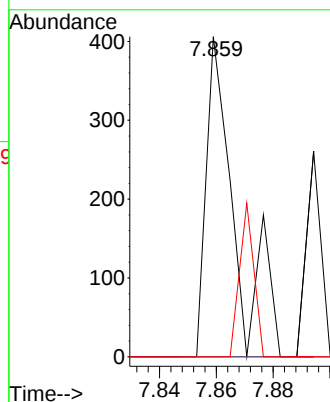
MSVOA_N

ClientSampleId :

VN0711WBL02



Tgt Ion:	42	Resp:	286
Ion Ratio	Lower	Upper	
42	100		
72	0.0	49.8	74.6#
71	24.1	47.4	71.2#



#30

Chloroform

Concen: 0.030 ug/l

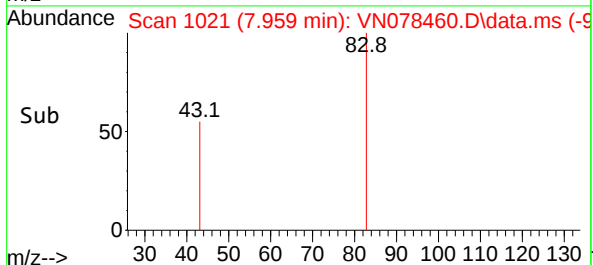
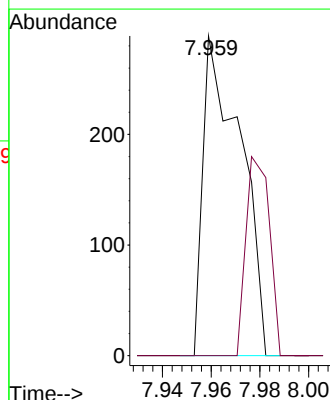
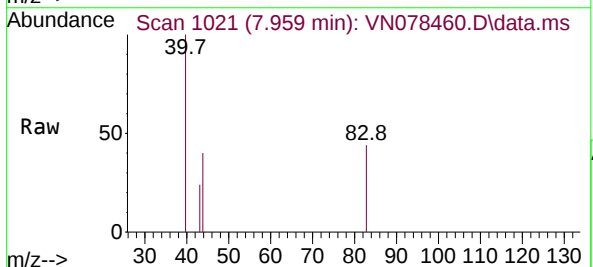
RT: 7.959 min Scan# 1021

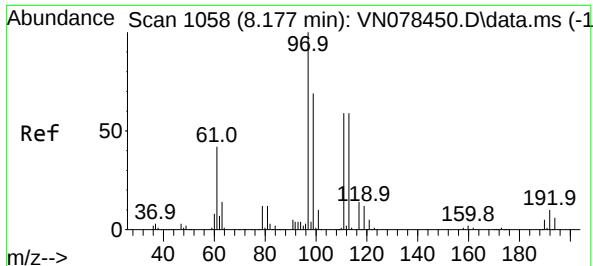
Delta R.T. -0.018 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Tgt Ion:	83	Resp:	308
Ion Ratio	Lower	Upper	
83	100		
85	0.0	55.4	83.0#





#32

1,1,1-Trichloroethane

Concen: 0.033 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.058 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0711WBL02

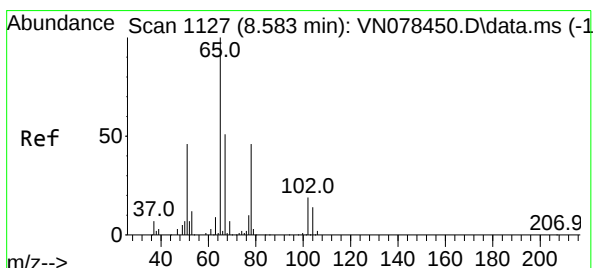
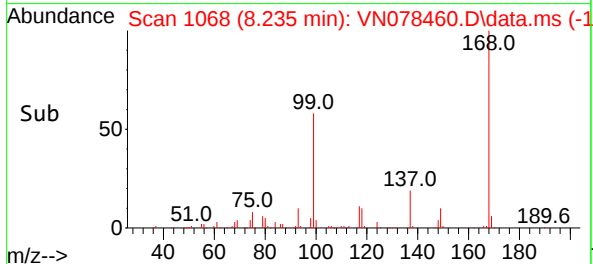
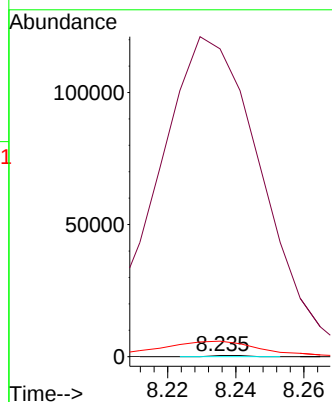
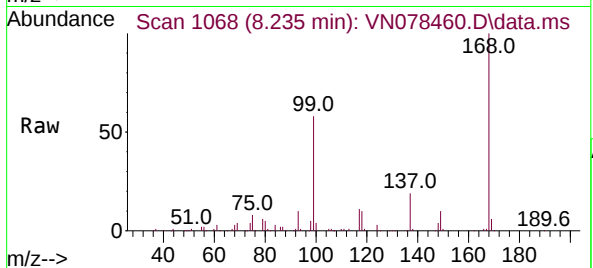
Tgt Ion: 97 Resp: 310

Ion Ratio Lower Upper

97 100

99 85965.5 50.3 75.5#

61 4070.3 34.7 52.1#



#33

1,2-Dichloroethane-d4

Concen: 49.076 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN078460.D

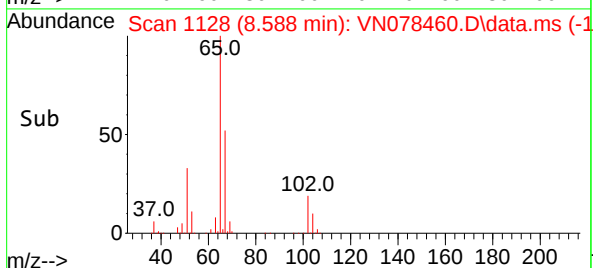
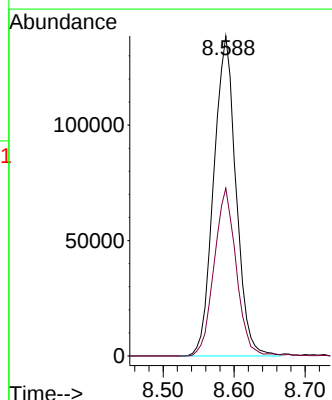
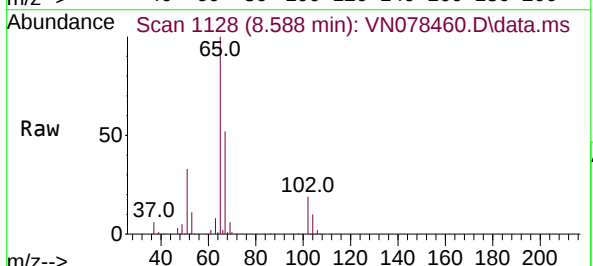
Acq: 11 Jul 2023 12:56

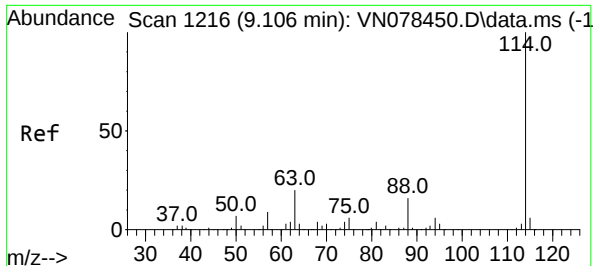
Tgt Ion: 65 Resp: 301281

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0711WBL02

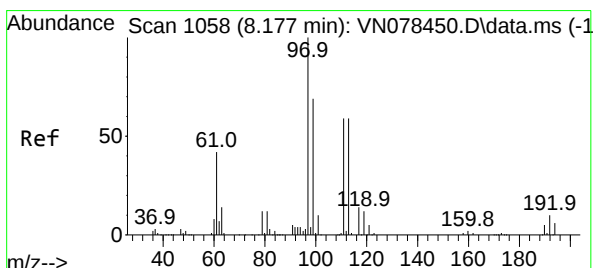
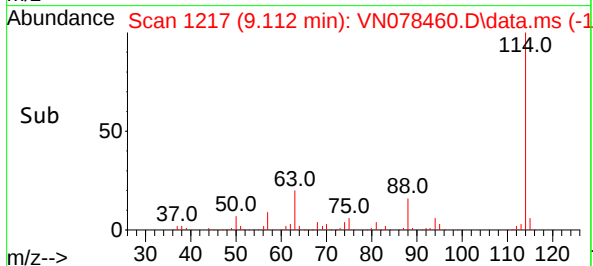
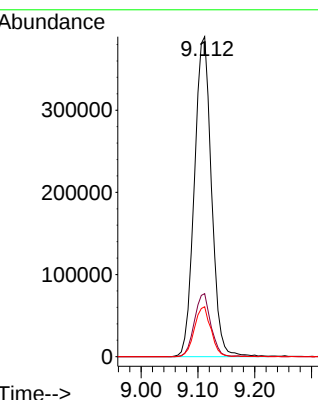
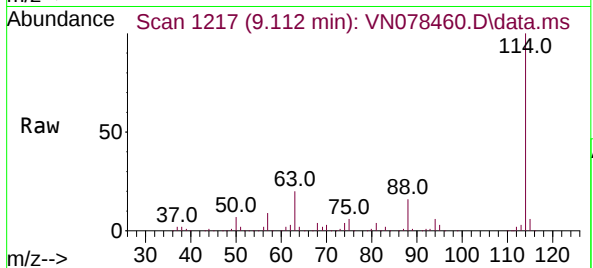
Tgt Ion:114 Resp: 811585

Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.819 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

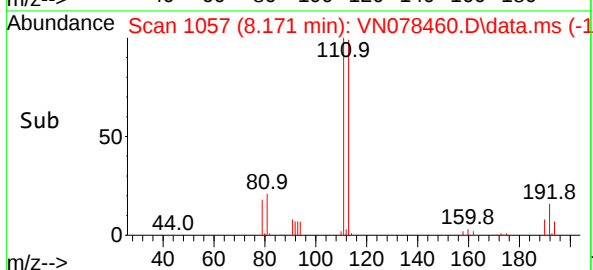
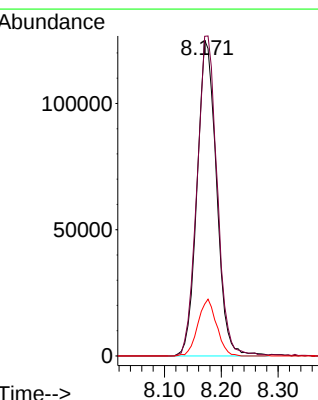
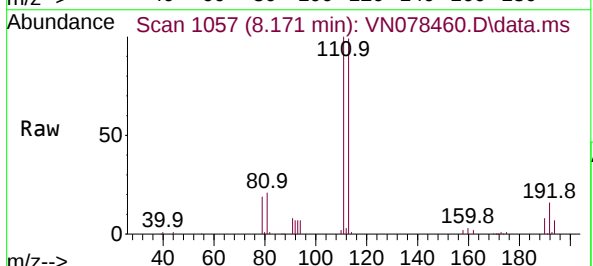
Tgt Ion:113 Resp: 296502

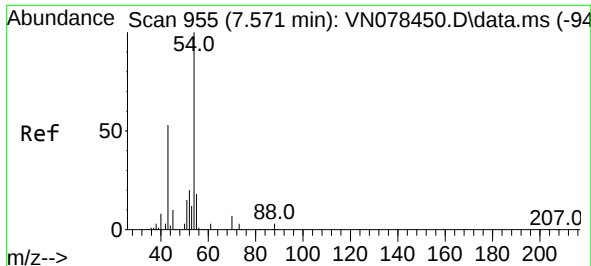
Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

192 17.3 12.7 19.1

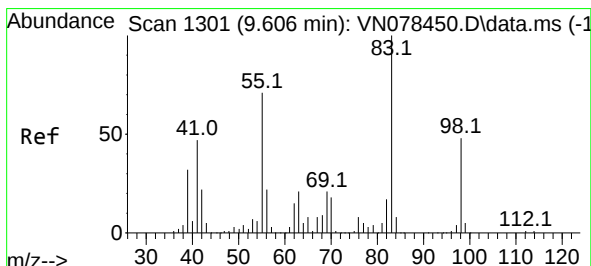
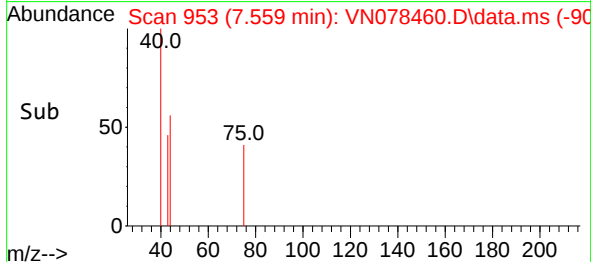
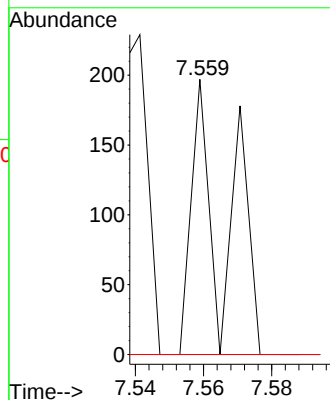
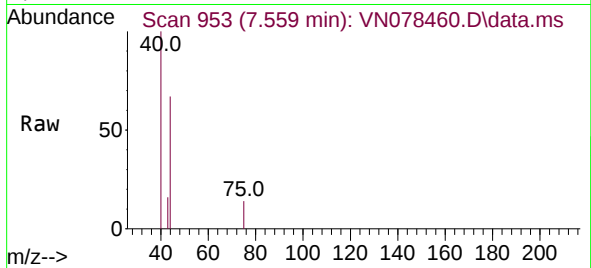




#37
Ethyl Acetate
Concen: 0.020 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

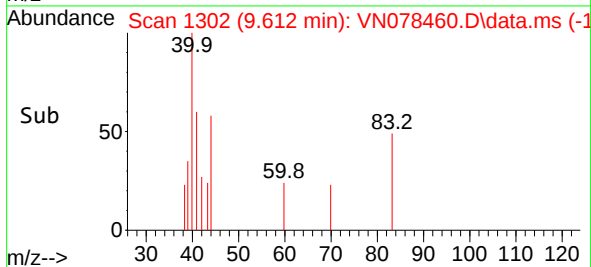
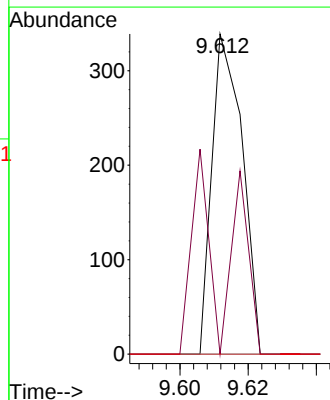
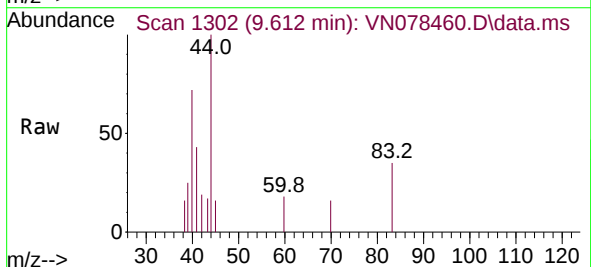
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

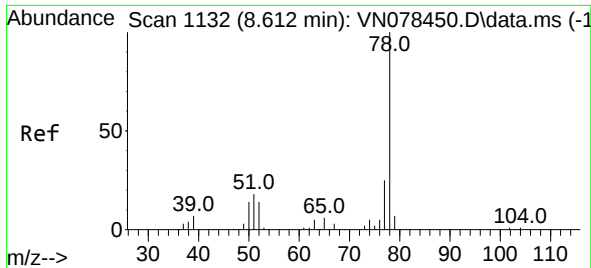
Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



#39
Methylcyclohexane
Concen: 0.029 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 83 Resp: 209
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 0.0 40.6 61.0#

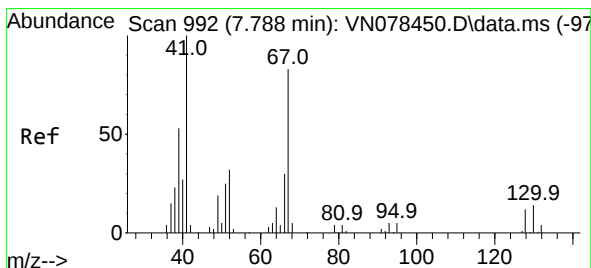
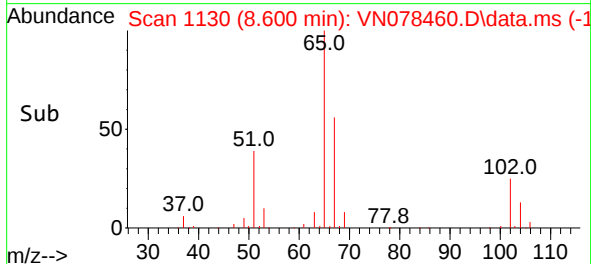
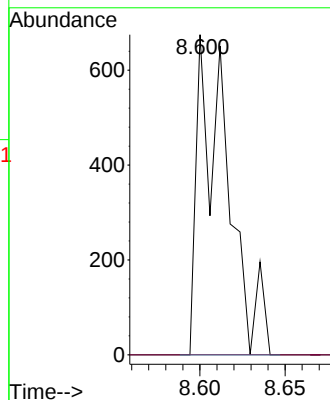
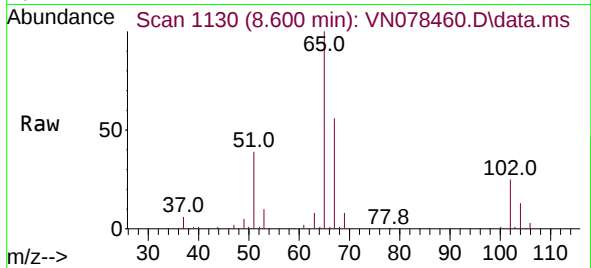




#40
Benzene
Concen: 0.035 ug/l
RT: 8.600 min Scan# 1132
Delta R.T. -0.012 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

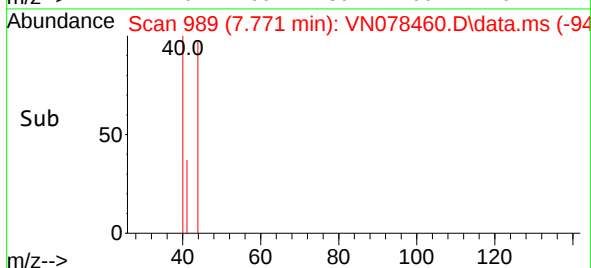
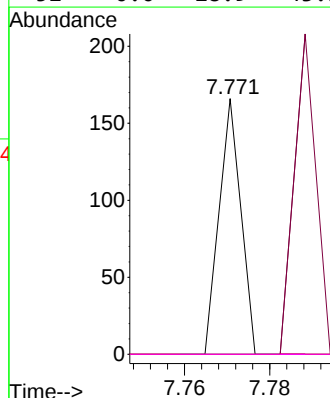
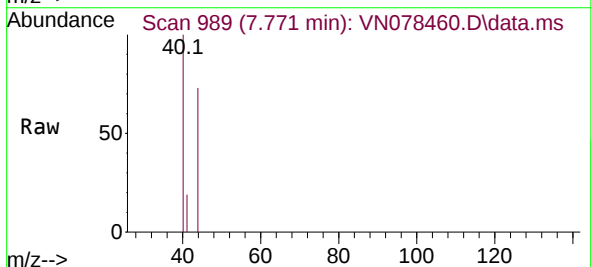
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

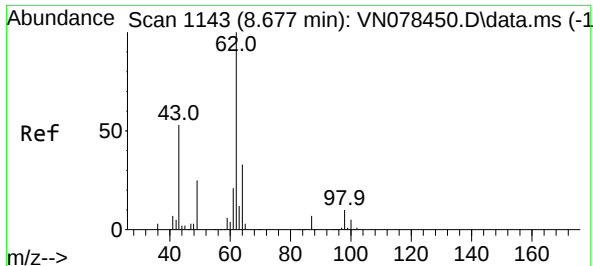
Tgt Ion: 78 Resp: 829
Ion Ratio Lower Upper
78 100
77 0.0 19.0 28.6#



#41
Methacrylonitrile
Concen: 0.017 ug/l
RT: 7.771 min Scan# 989
Delta R.T. -0.017 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
39 123.7 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#





#42

1,2-Dichloroethane

Concen: 0.064 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.012 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

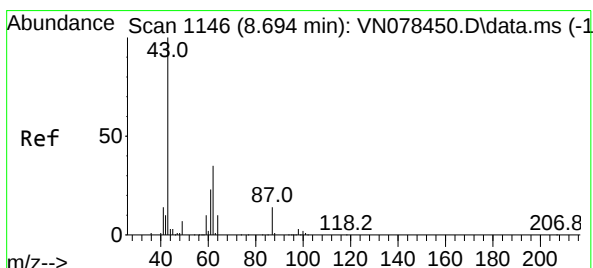
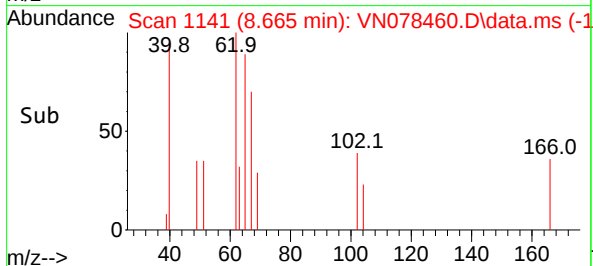
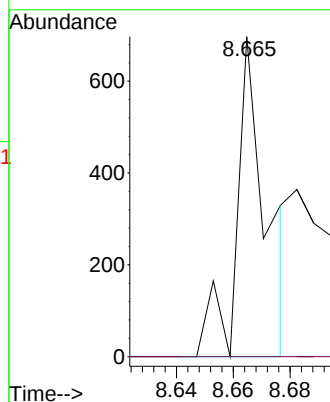
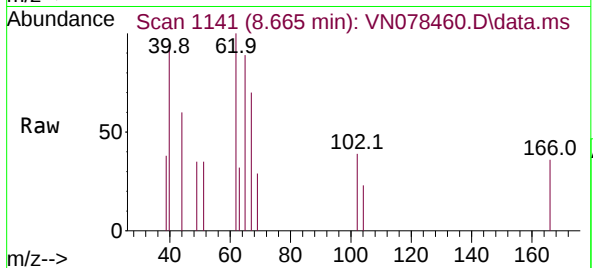
VN0711WBL02

Tgt Ion: 62 Resp: 511

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 0.007 ug/l

RT: 8.653 min Scan# 1139

Delta R.T. -0.041 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

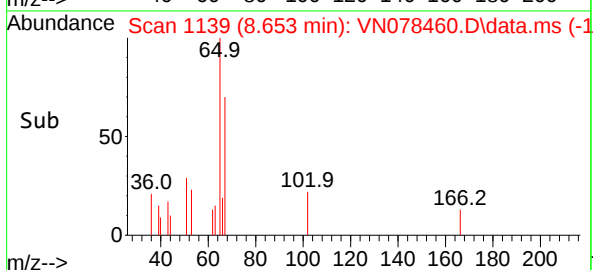
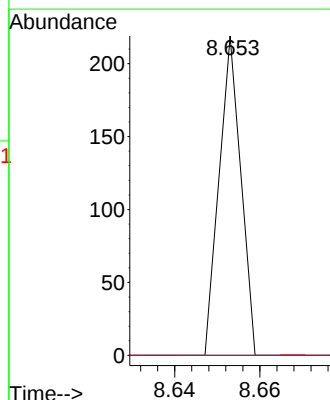
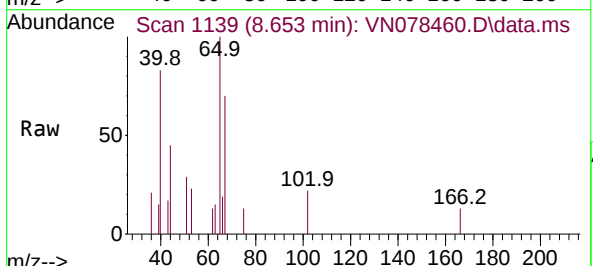
Tgt Ion: 43 Resp: 77

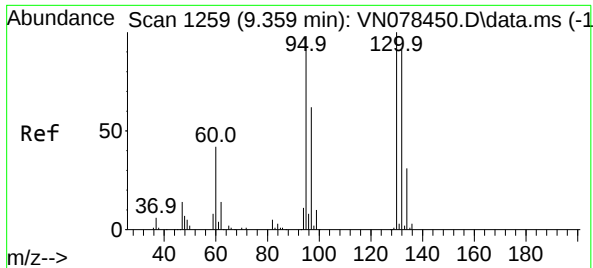
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 0.051 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

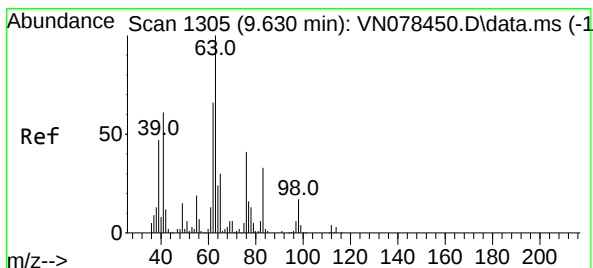
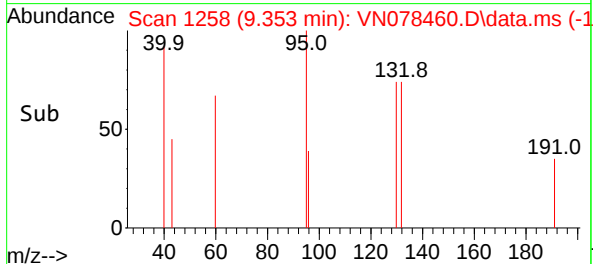
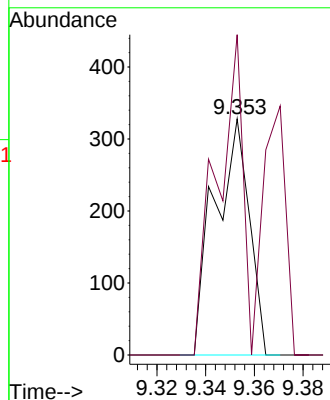
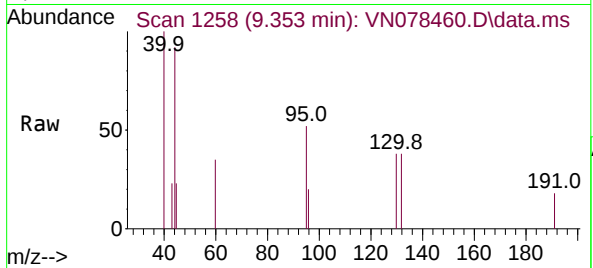
VN0711WBL02

Tgt Ion:130 Resp: 324

Ion Ratio Lower Upper

130 100

95 135.7 0.0 204.6



#45

1,2-Dichloropropane

Concen: 0.012 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.024 min

Lab File: VN078460.D

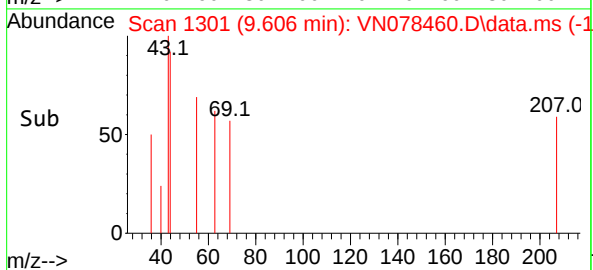
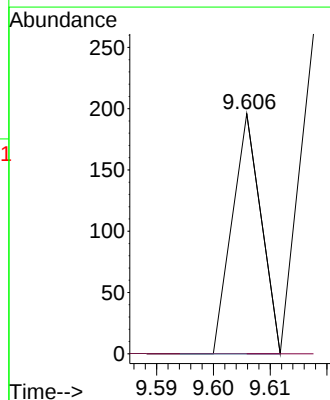
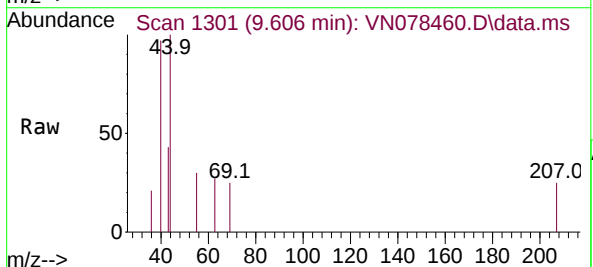
Acq: 11 Jul 2023 12:56

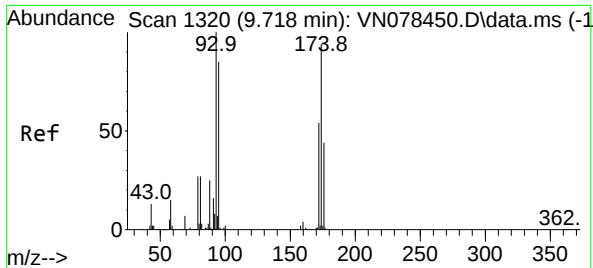
Tgt Ion: 63 Resp: 69

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#

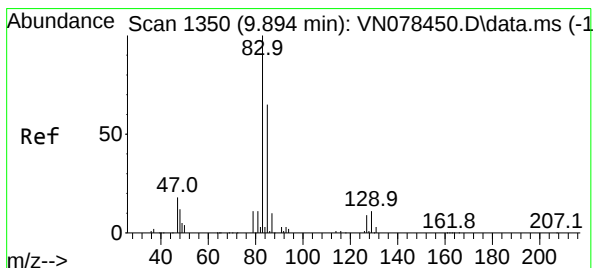
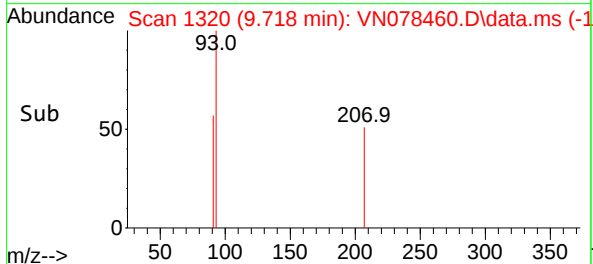
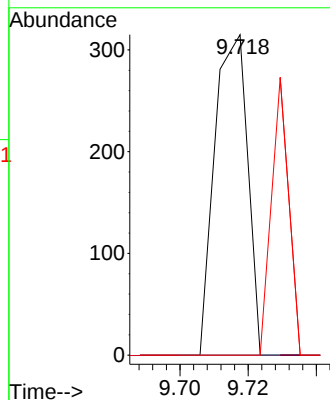
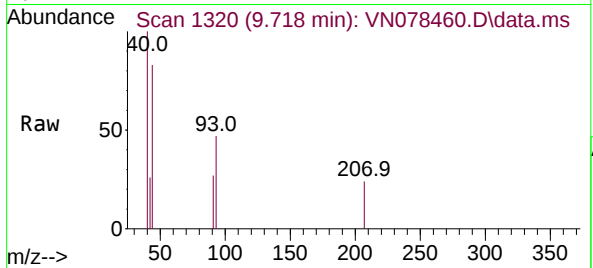




#46
Dibromomethane
Concen: 0.050 ug/l
RT: 9.718 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

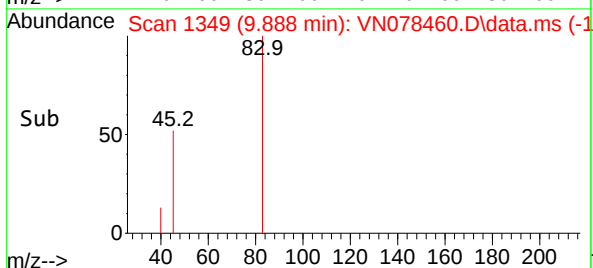
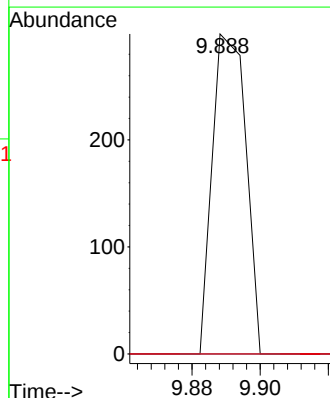
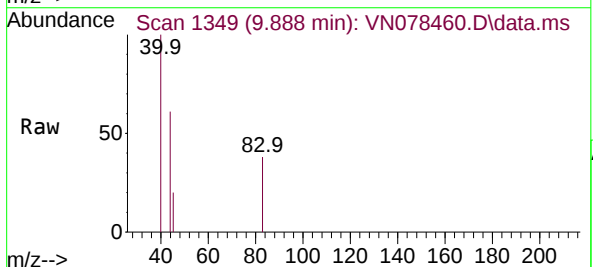
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

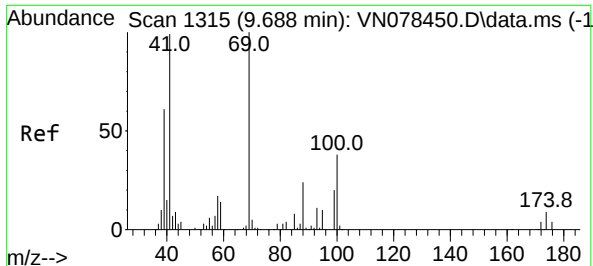
Tgt Ion: 93 Resp: 210
Ion Ratio Lower Upper
93 100
95 0.0 63.8 95.8#
174 45.7 65.6 98.4#



#47
Bromodichloromethane
Concen: 0.024 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 83 Resp: 204
Ion Ratio Lower Upper
83 100
85 0.0 49.6 74.4#
127 0.0 7.0 10.6#

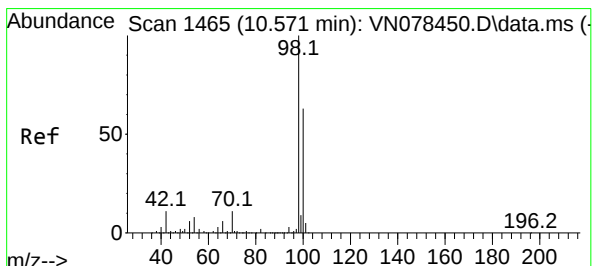
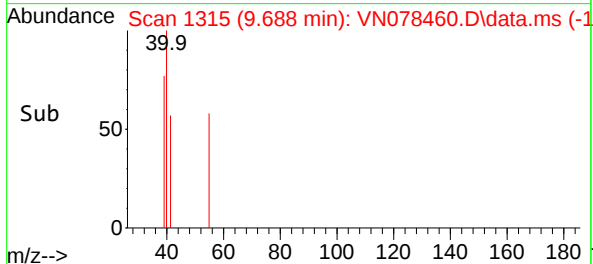
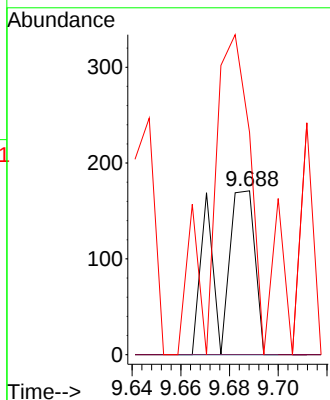
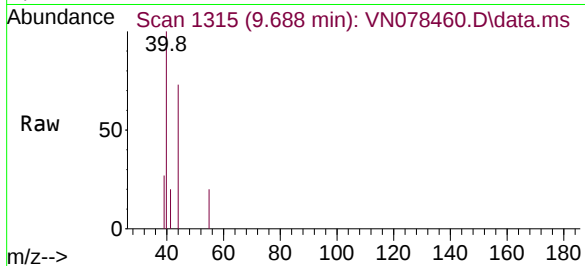




#48
Methyl methacrylate
Concen: 0.036 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

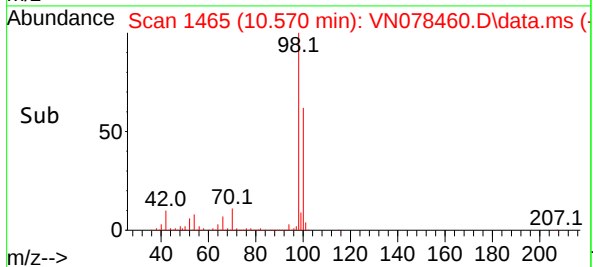
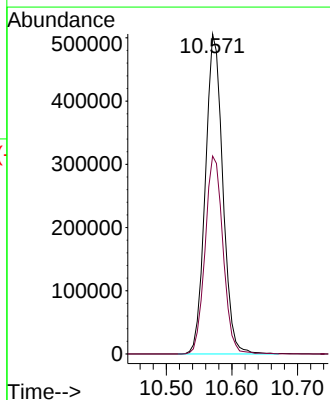
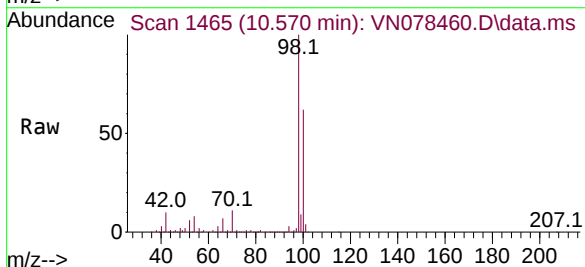
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

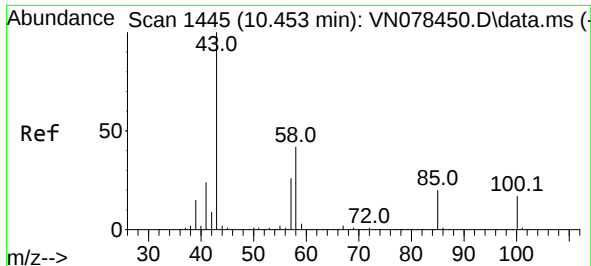
Tgt Ion: 41 Resp: 180
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 201.1 54.6 81.8#



#50
Toluene-d8
Concen: 44.973 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 98 Resp: 935994
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

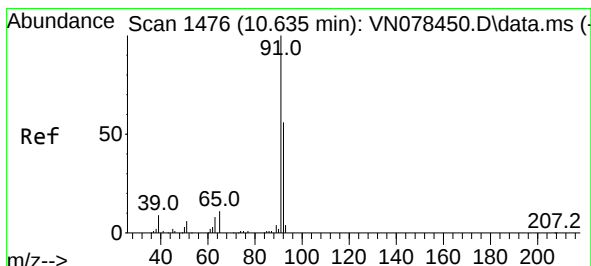
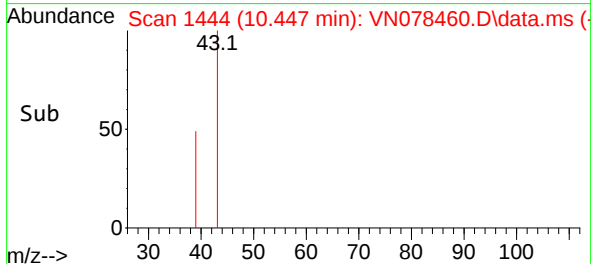
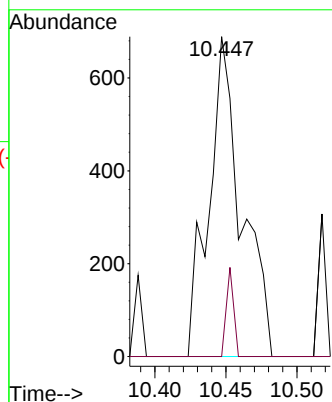
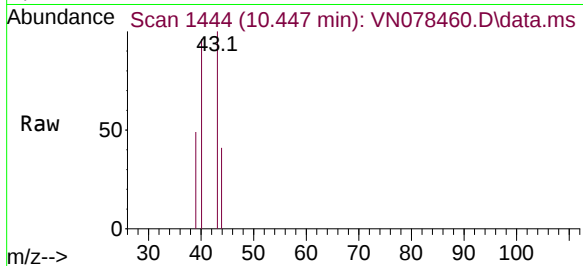




#51
4-Methyl-2-Pentanone
Concen: 0.170 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

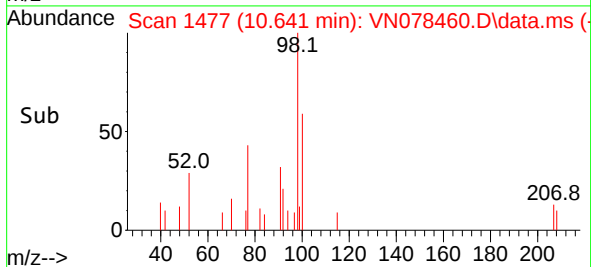
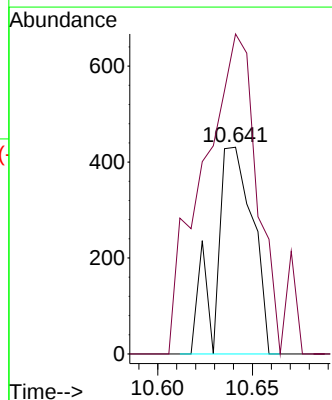
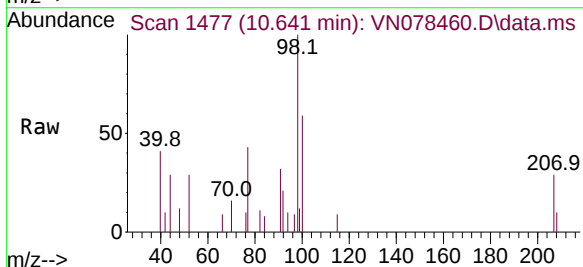
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

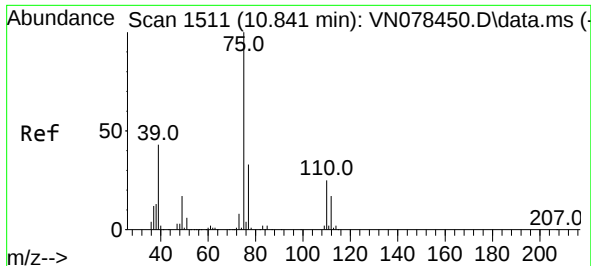
Tgt Ion: 43 Resp: 1106
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#



#52
Toluene
Concen: 0.040 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 92 Resp: 587
Ion Ratio Lower Upper
92 100
91 238.2 137.4 206.0#

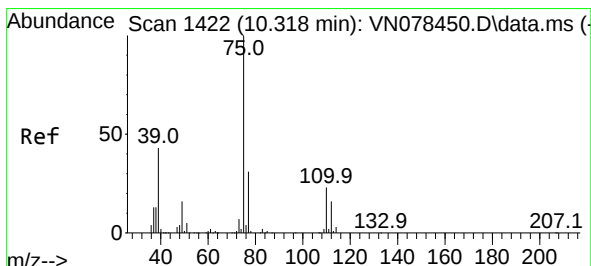
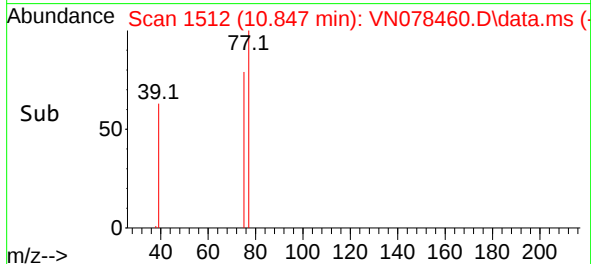
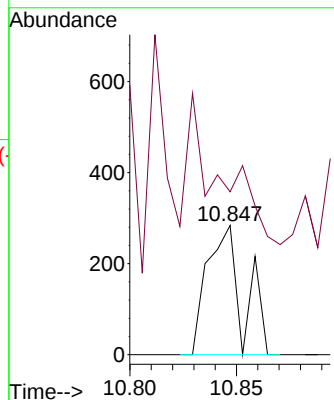
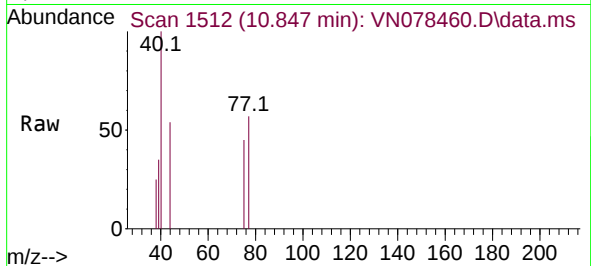




#53
t-1,3-Dichloropropene
Concen: 0.038 ug/l
RT: 10.847 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

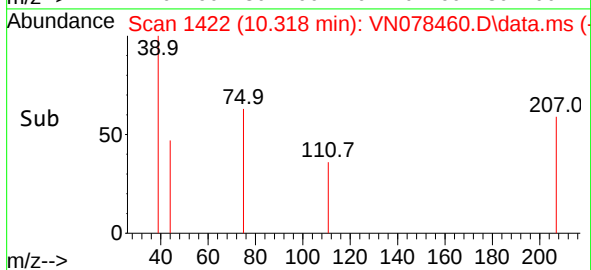
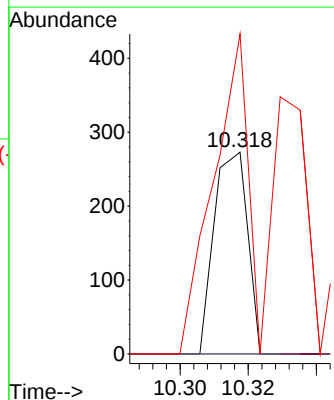
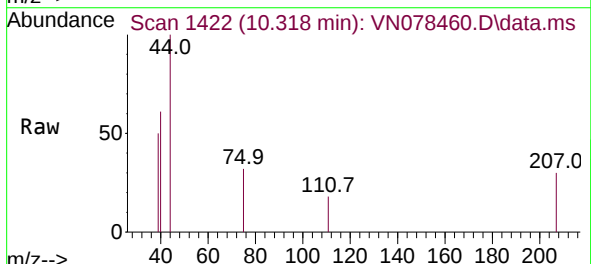
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

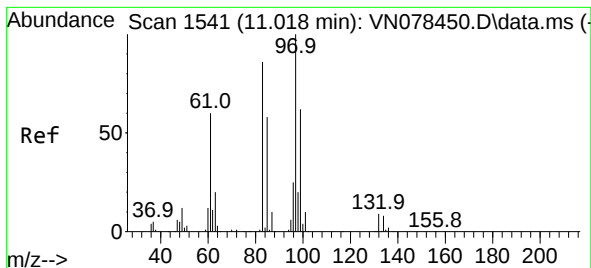
Tgt Ion: 75 Resp: 329
Ion Ratio Lower Upper
75 100
77 40.8 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 0.020 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 75 Resp: 185
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 158.6 31.6 47.4#





#55

1,1,2-Trichloroethane

Concen: 0.012 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN078460.D

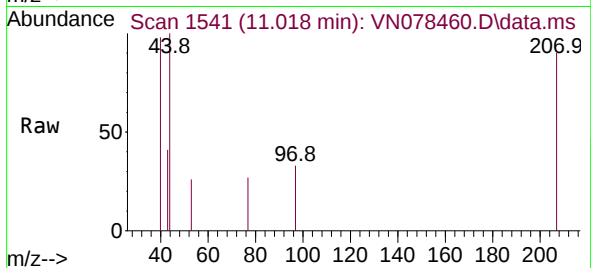
Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0711WBL02



Tgt Ion: 97 Resp: 71

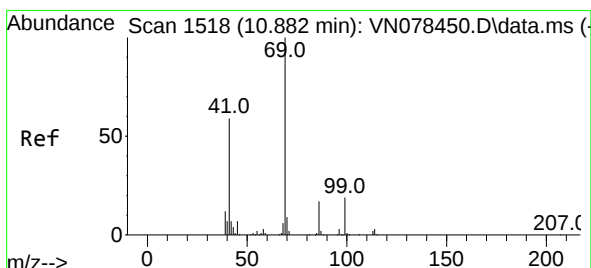
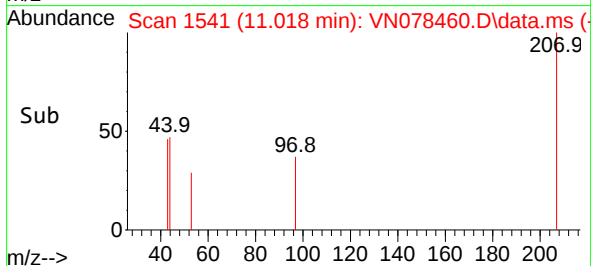
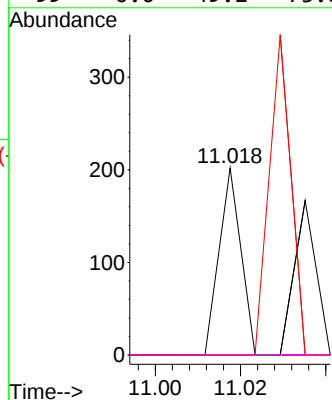
Ion Ratio Lower Upper

97 100

83 0.0 65.1 97.7#

85 0.0 43.4 65.2#

99 0.0 49.2 73.8#



#56

Ethyl methacrylate

Concen: 0.007 ug/l

RT: 10.870 min Scan# 1516

Delta R.T. -0.012 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

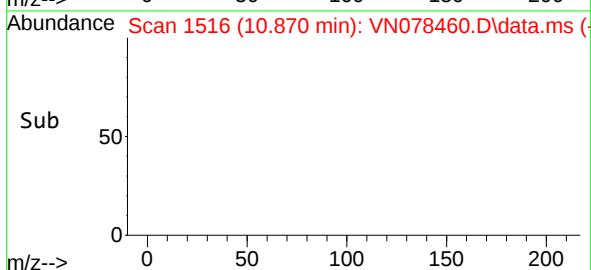
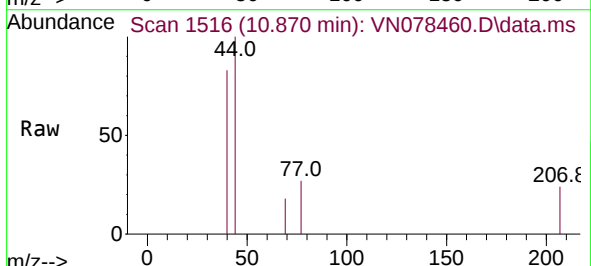
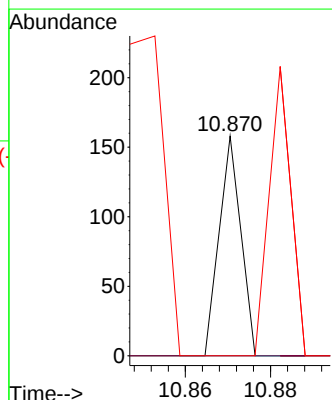
Tgt Ion: 69 Resp: 56

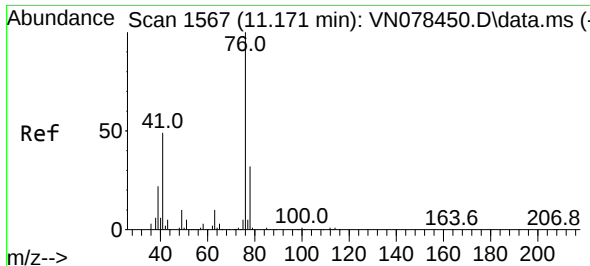
Ion Ratio Lower Upper

69 100

41 0.0 39.6 59.4#

39 130.4 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.013 ug/l

RT: 11.159 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

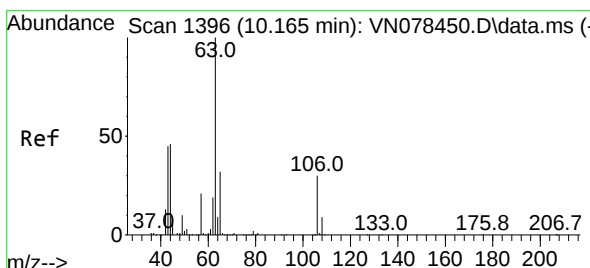
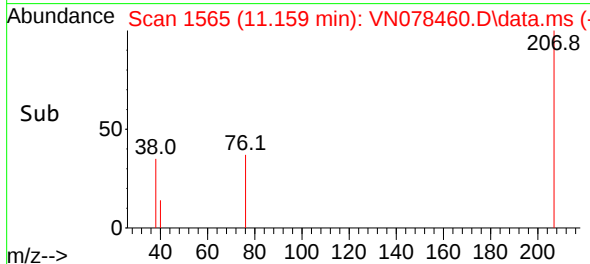
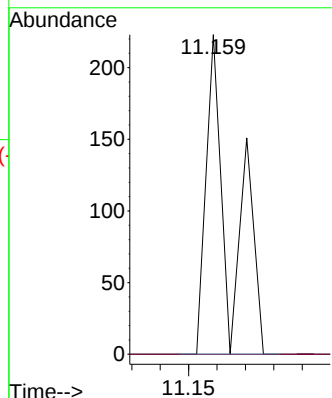
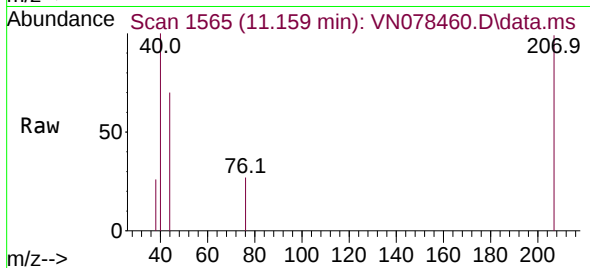
VN0711WBL02

Tgt Ion: 76 Resp: 132

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#58

2-Chloroethyl Vinyl ether

Concen: 0.045 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN078460.D

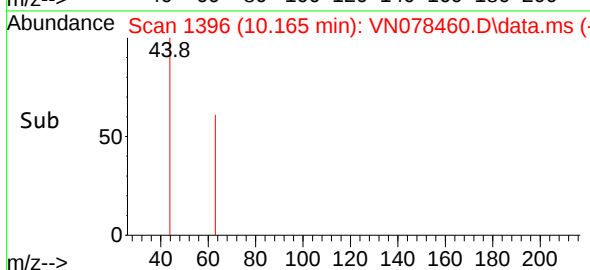
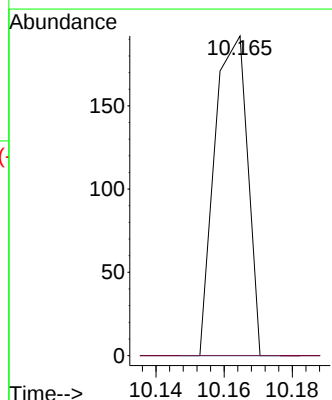
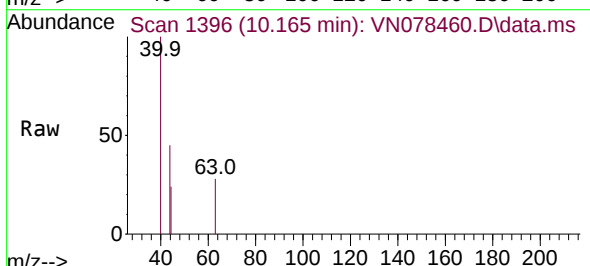
Acq: 11 Jul 2023 12:56

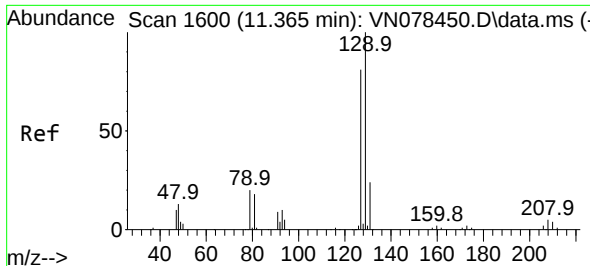
Tgt Ion: 63 Resp: 128

Ion Ratio Lower Upper

63 100

106 0.0 26.2 39.4#

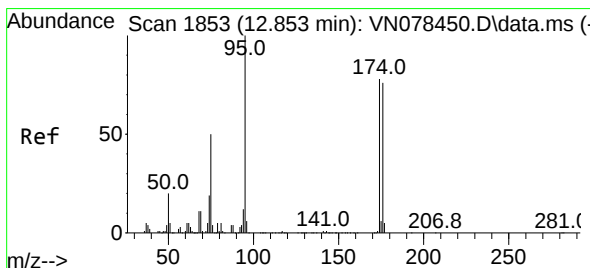
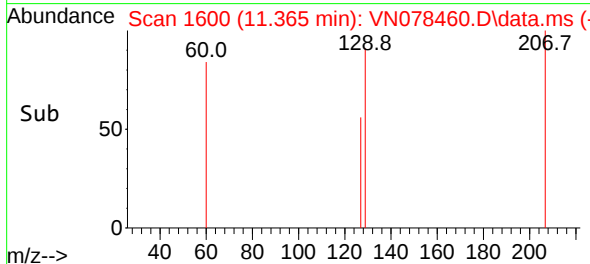
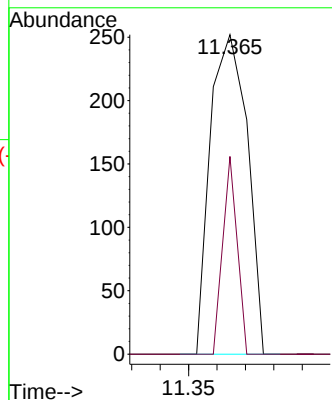
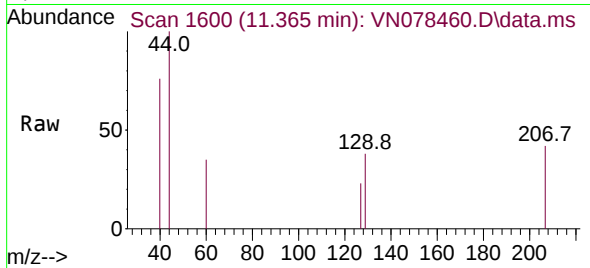




#60
Dibromochloromethane
Concen: 0.036 ug/l
RT: 11.365 min Scan# 1136
Delta R.T. -0.000 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

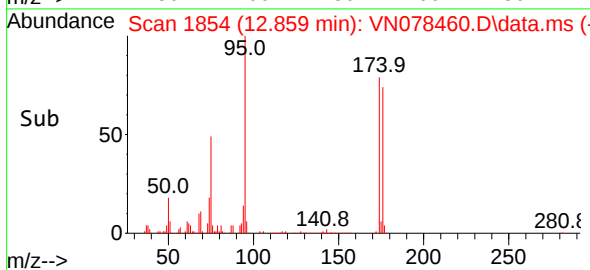
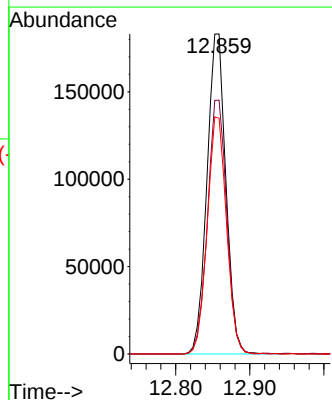
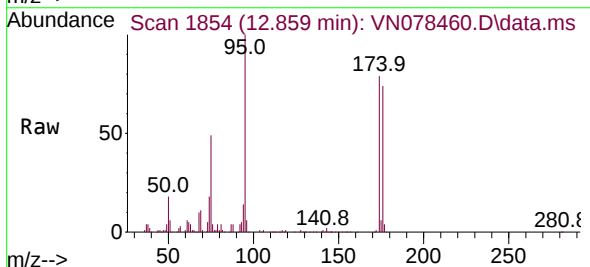
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

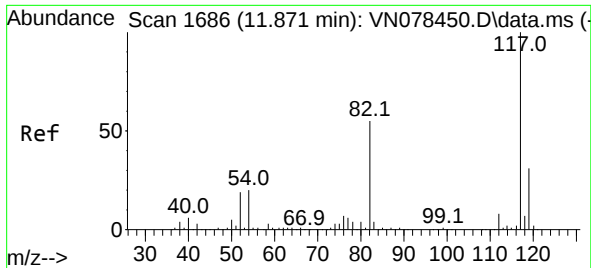
Tgt Ion:129 Resp: 229
Ion Ratio Lower Upper
129 100
127 24.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 50.620 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 95 Resp: 324511
Ion Ratio Lower Upper
95 100
174 80.5 0.0 143.8
176 75.3 0.0 135.8

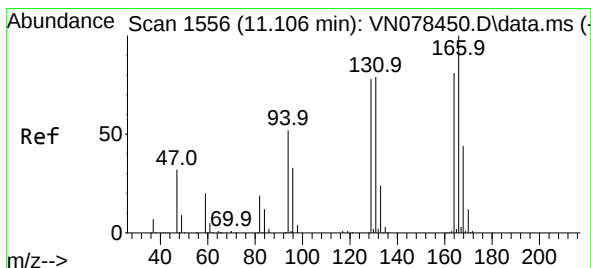
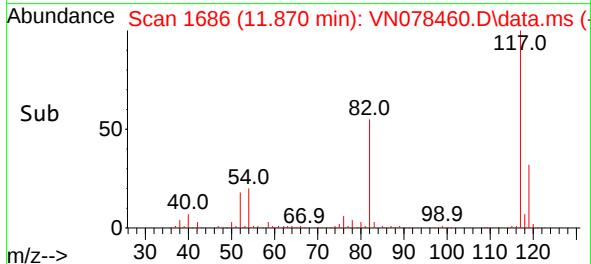
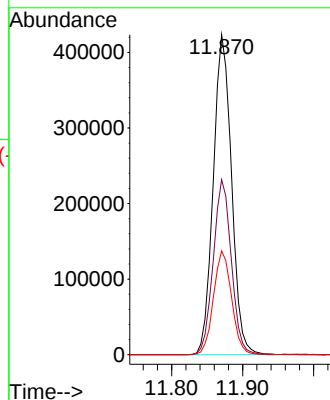
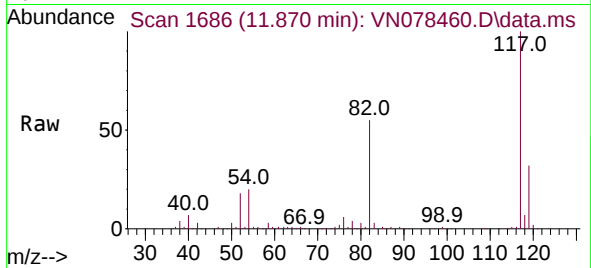




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

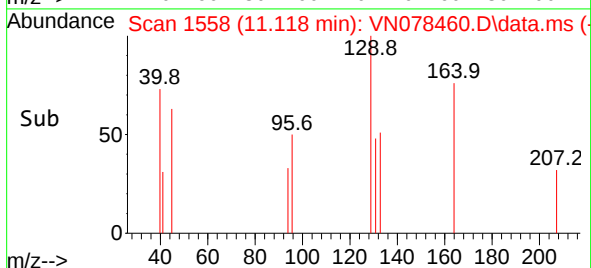
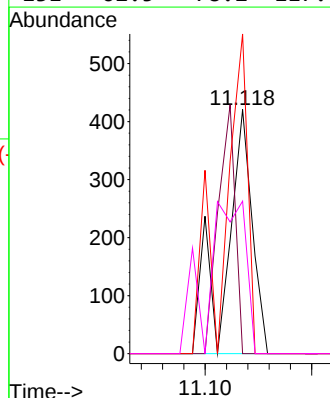
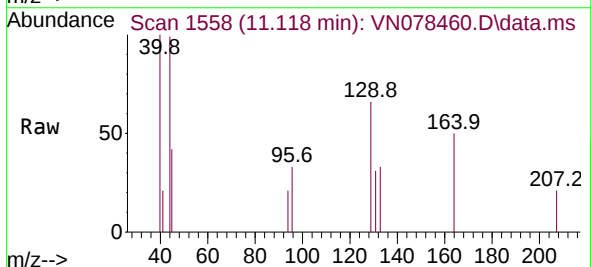
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

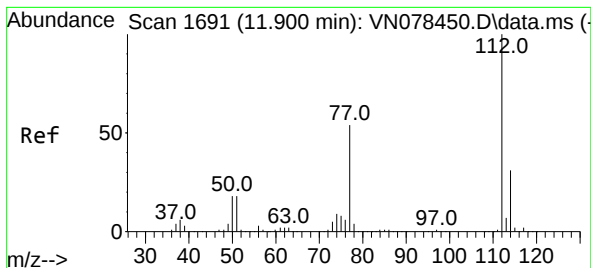
Tgt Ion:117 Resp: 755454
Ion Ratio Lower Upper
117 100
82 54.7 44.0 66.0
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 0.064 ug/l
RT: 11.118 min Scan# 1558
Delta R.T. 0.012 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion:164 Resp: 361
Ion Ratio Lower Upper
164 100
166 0.0 101.4 152.0#
129 130.9 82.4 123.6#
131 62.5 78.2 117.4#

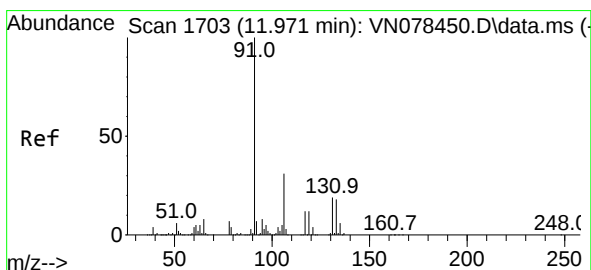
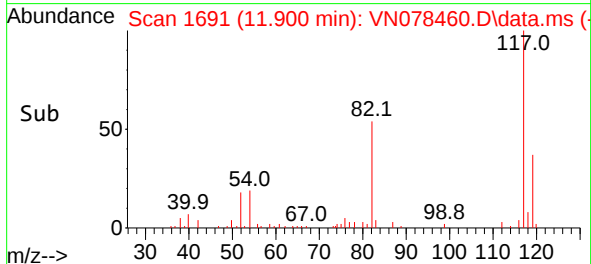
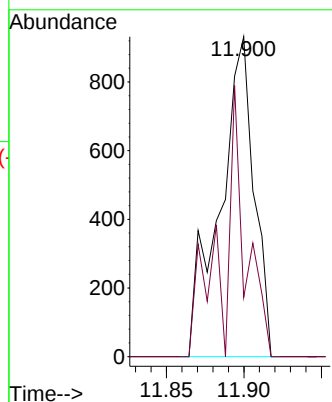
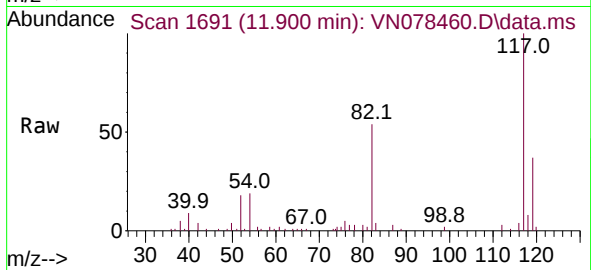




#65
Chlorobenzene
Concen: 0.085 ug/l
RT: 11.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

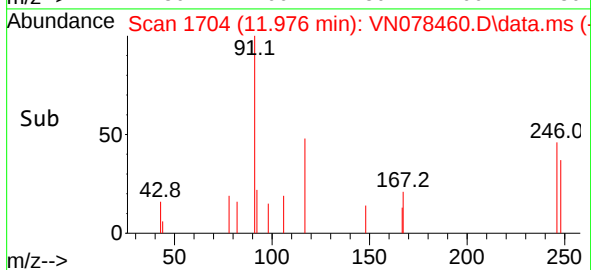
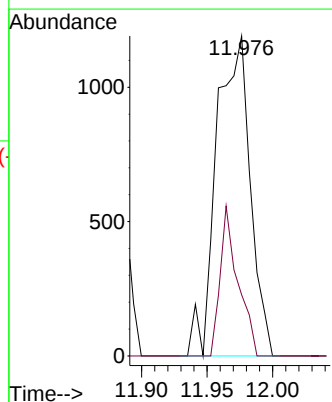
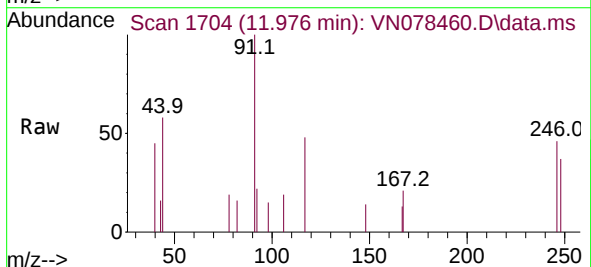
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

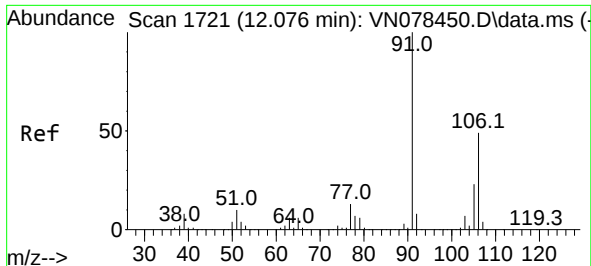
Tgt Ion:112 Resp: 1430
Ion Ratio Lower Upper
112 100
114 18.6 25.0 37.4#



#67
Ethyl Benzene
Concen: 0.074 ug/l
RT: 11.976 min Scan# 1704
Delta R.T. 0.005 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 91 Resp: 2124
Ion Ratio Lower Upper
91 100
106 19.1 25.6 38.4#

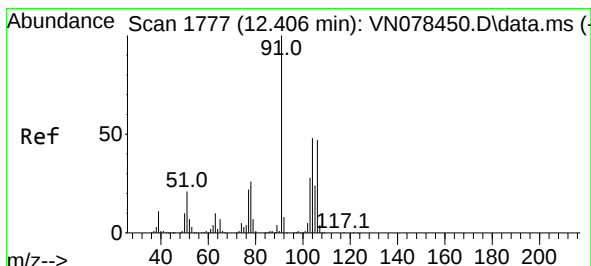
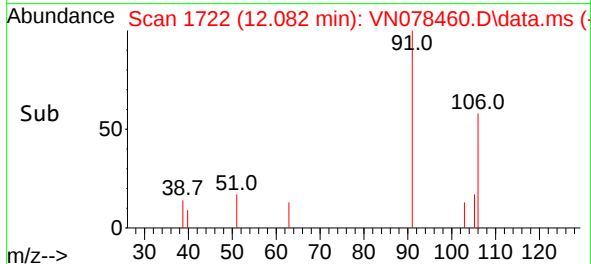
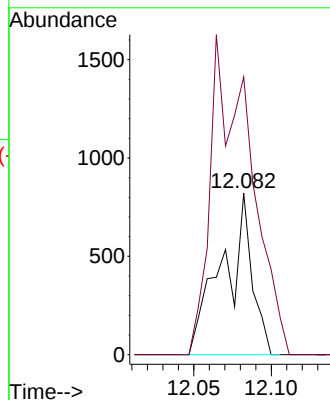
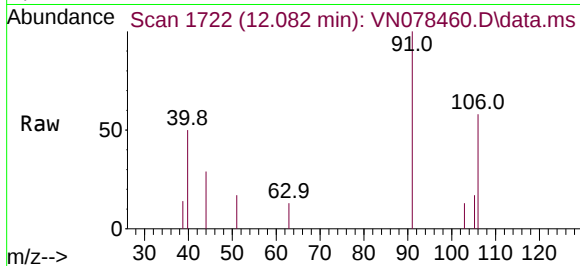




#68
m/p-Xylenes
Concen: 0.103 ug/l
RT: 12.082 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

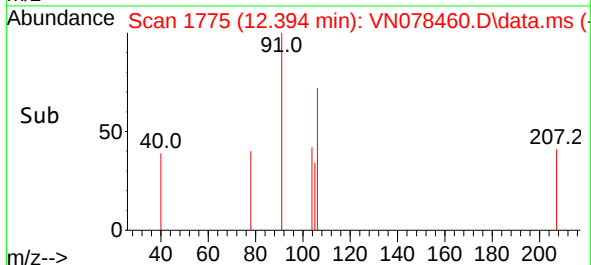
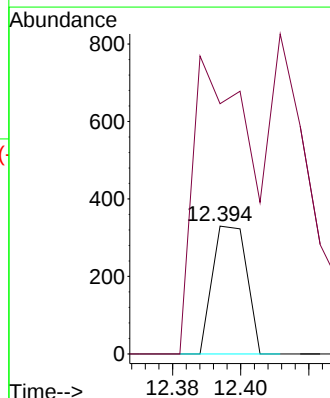
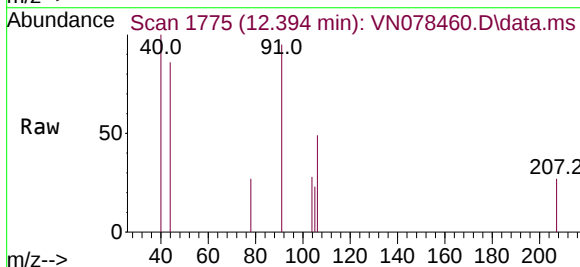
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

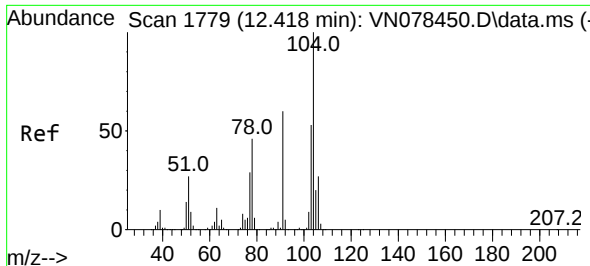
Tgt Ion:106 Resp: 1087
Ion Ratio Lower Upper
106 100
91 265.9 159.6 239.4#



#69
o-Xylene
Concen: 0.022 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.012 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion:106 Resp: 231
Ion Ratio Lower Upper
106 100
91 379.7 105.2 315.5#

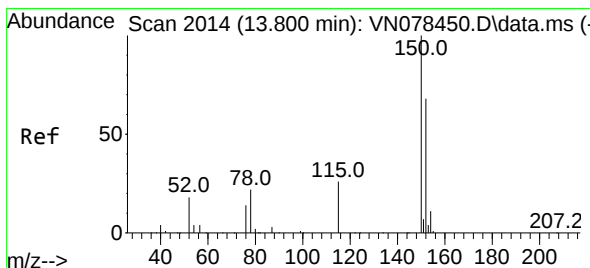
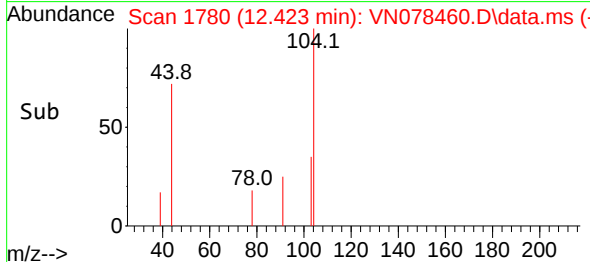
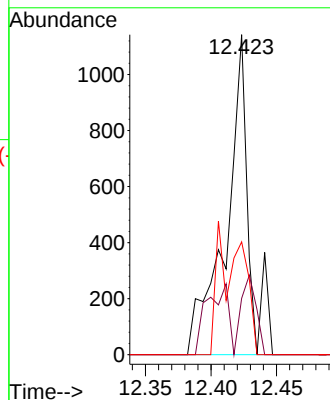
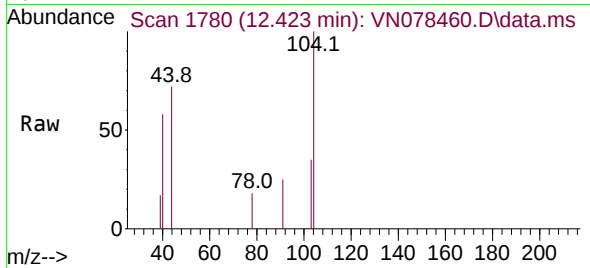




#70
 Styrene
 Concen: 0.082 ug/l
 RT: 12.423 min Scan# 11
 Delta R.T. 0.005 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56

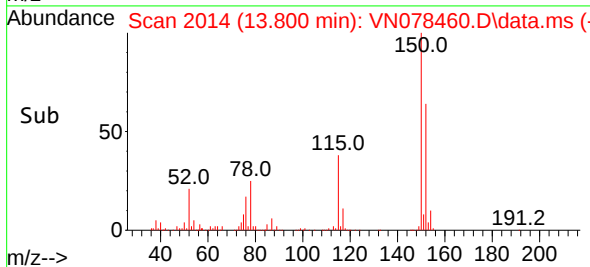
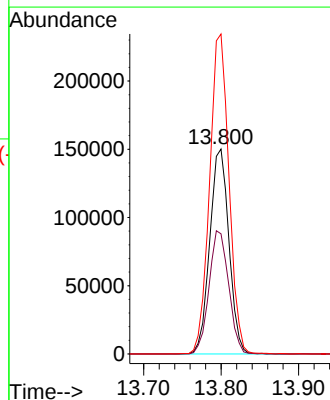
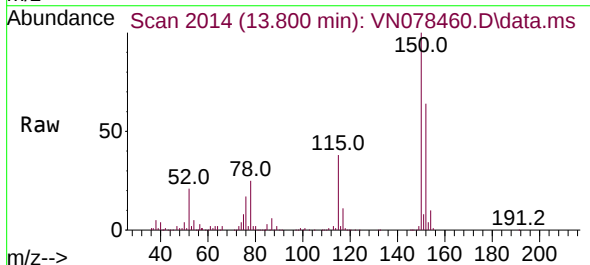
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0711WBL02

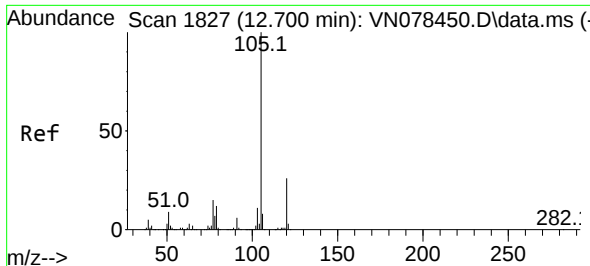
Tgt Ion:104 Resp: 1371
 Ion Ratio Lower Upper
 104 100
 78 16.6 39.5 59.3#
 103 0.0 43.2 64.8#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.000 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56

Tgt Ion:152 Resp: 257894
 Ion Ratio Lower Upper
 152 100
 115 61.5 32.3 96.8
 150 157.5 0.0 355.8

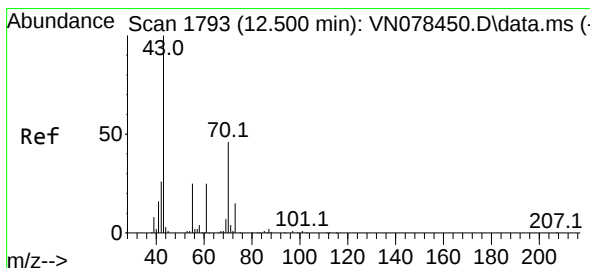
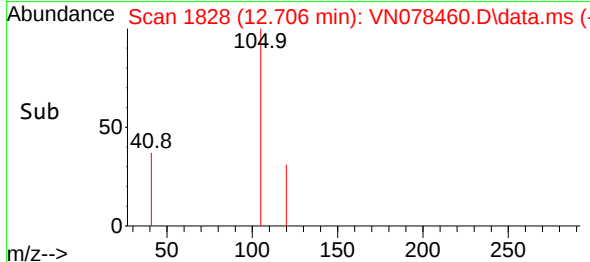
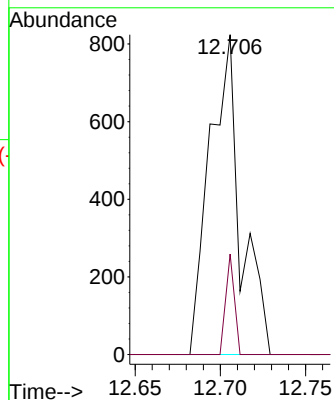
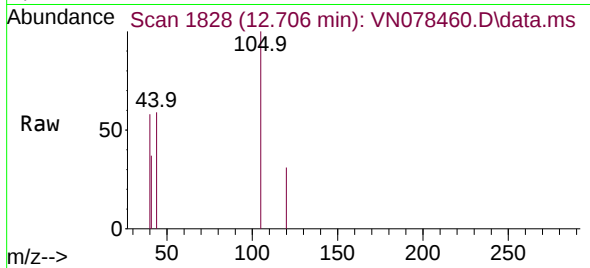




#73
Isopropylbenzene
Concen: 0.043 ug/l
RT: 12.706 min Scan# 1828
Delta R.T. 0.006 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

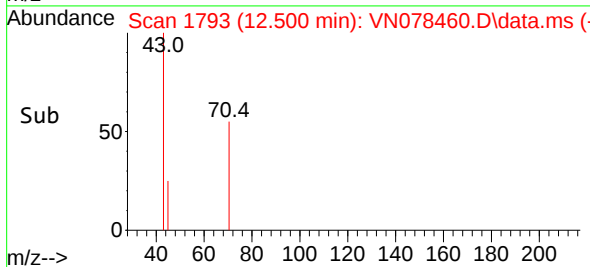
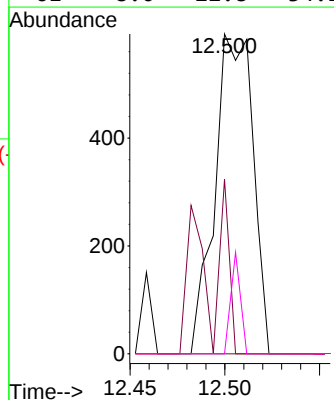
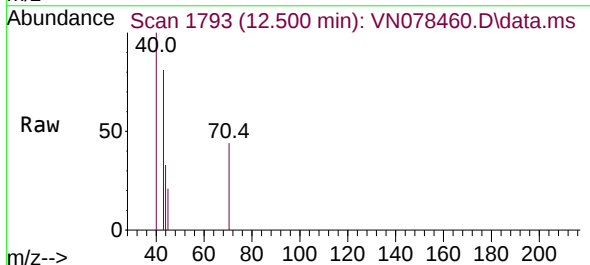
Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

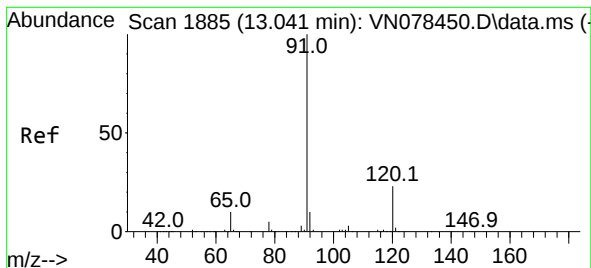
Tgt Ion:105 Resp: 1039
Ion Ratio Lower Upper
105 100
120 8.8 13.1 39.1#



#74
N-ethyl acetate
Concen: 0.099 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 8.0 22.8 34.2#





#78

n-propylbenzene

Concen: 0.070 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

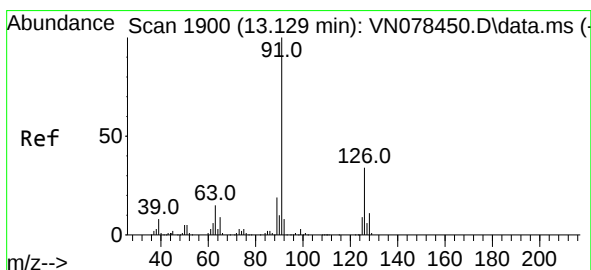
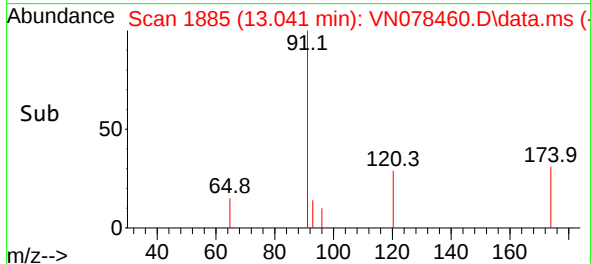
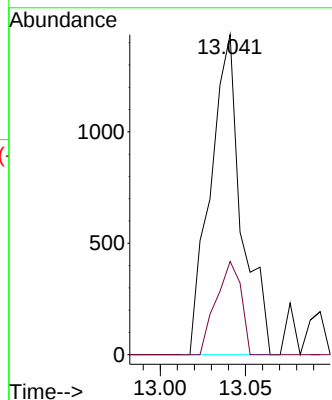
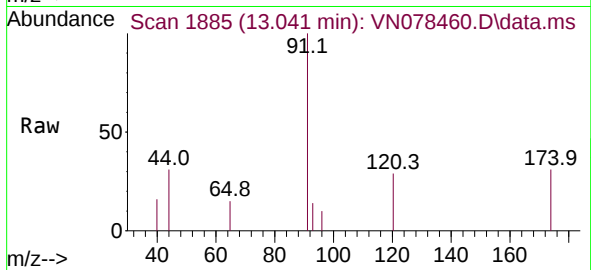
VN0711WBL02

Tgt Ion: 91 Resp: 1825

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.4



#79

2-Chlorotoluene

Concen: 0.084 ug/l

RT: 13.229 min Scan# 1917

Delta R.T. 0.100 min

Lab File: VN078460.D

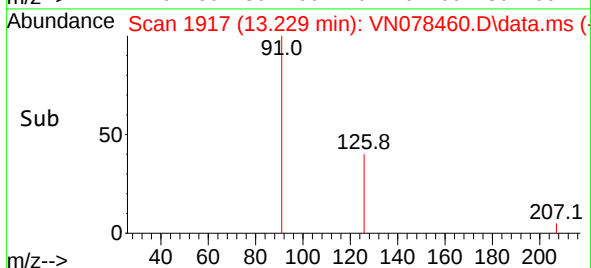
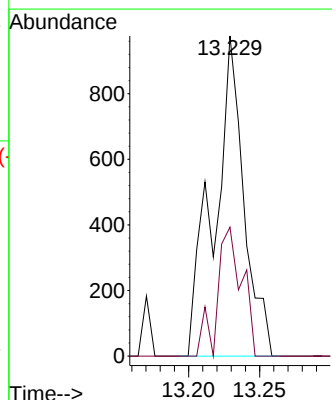
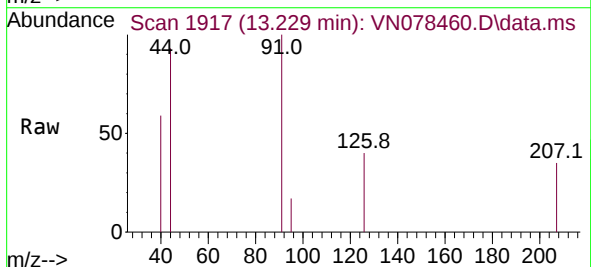
Acq: 11 Jul 2023 12:56

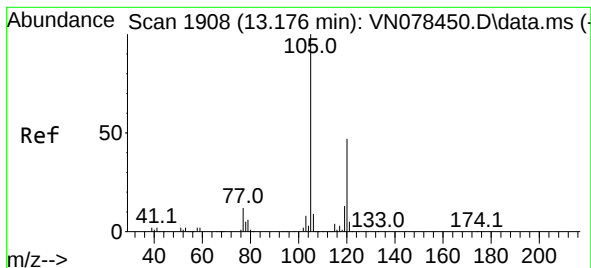
Tgt Ion: 91 Resp: 1430

Ion Ratio Lower Upper

91 100

126 33.3 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 0.101 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

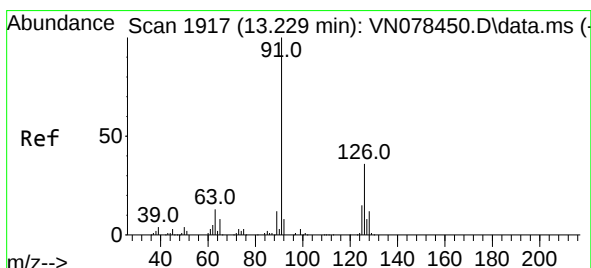
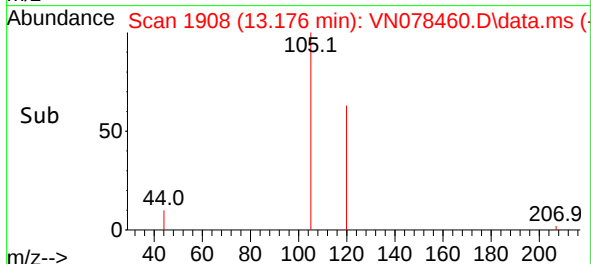
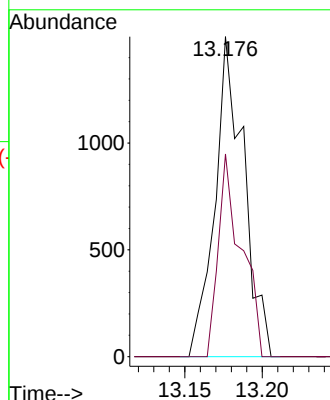
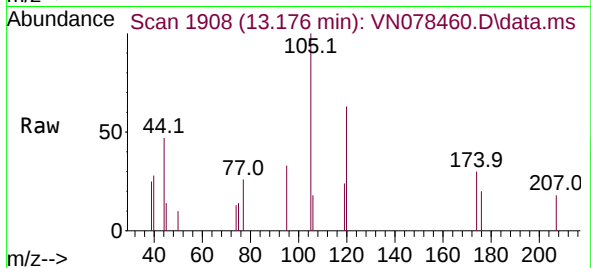
VN0711WBL02

Tgt Ion:105 Resp: 1940

Ion Ratio Lower Upper

105 100

120 50.6 24.1 72.3



#82

4-Chlorotoluene

Concen: 0.090 ug/l

RT: 13.229 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VN078460.D

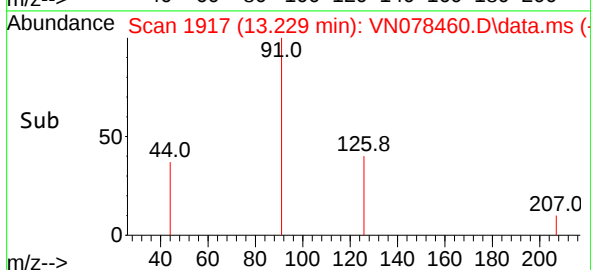
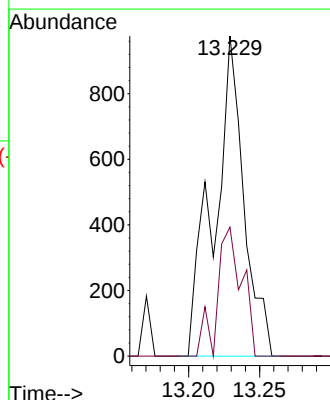
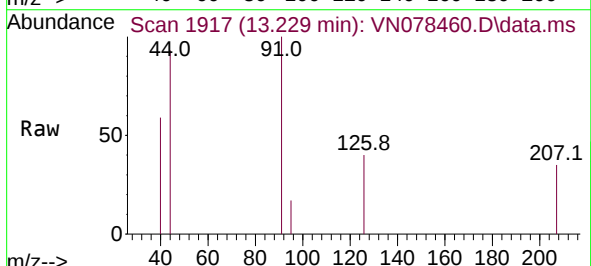
Acq: 11 Jul 2023 12:56

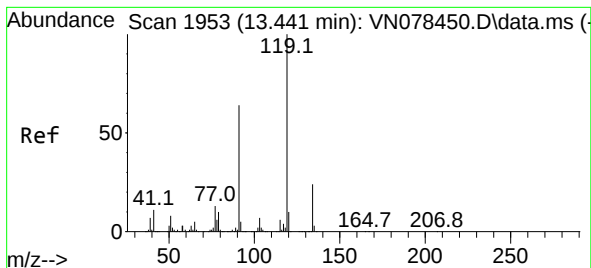
Tgt Ion: 91 Resp: 1430

Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.0





#83

tert-Butylbenzene

Concen: 0.037 ug/l

RT: 13.447 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0711WBL02

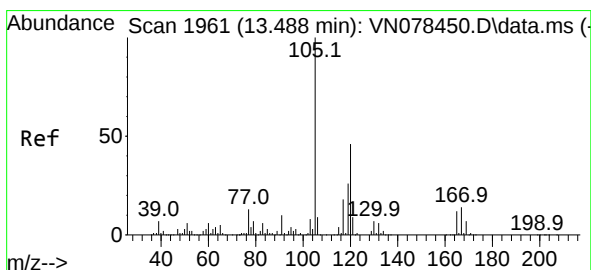
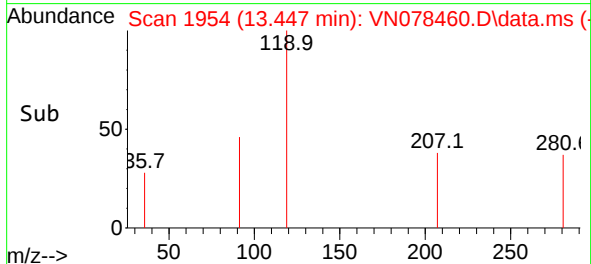
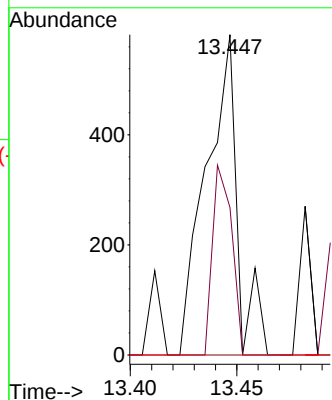
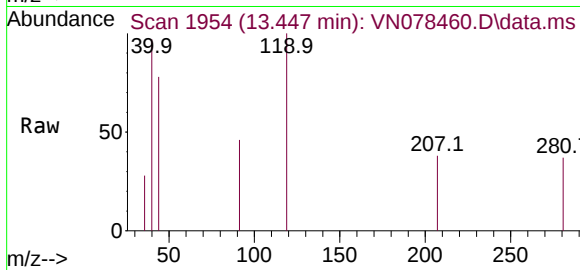
Tgt Ion:119 Resp: 595

Ion Ratio Lower Upper

119 100

91 36.3 33.9 101.7

134 0.0 13.2 39.6#



#84

1,2,4-Trimethylbenzene

Concen: 0.122 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN078460.D

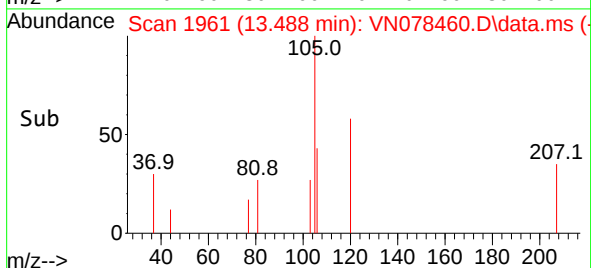
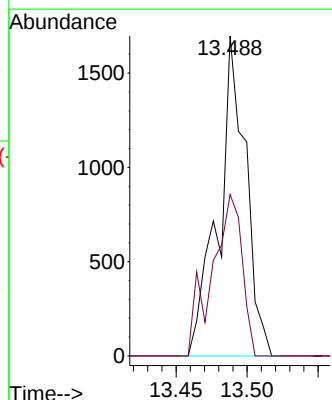
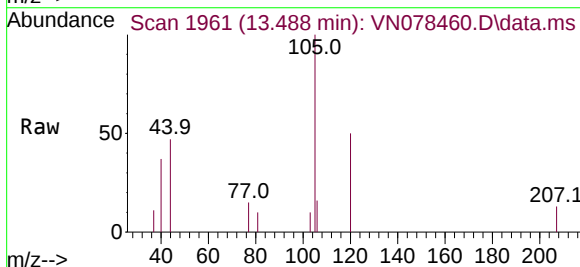
Acq: 11 Jul 2023 12:56

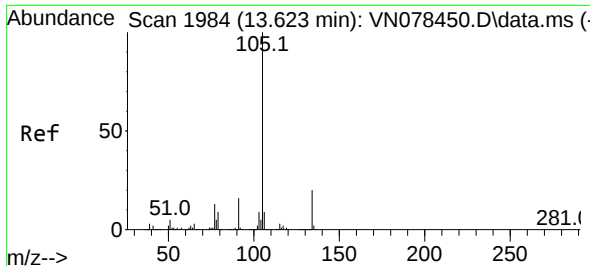
Tgt Ion:105 Resp: 2265

Ion Ratio Lower Upper

105 100

120 55.7 22.0 66.0

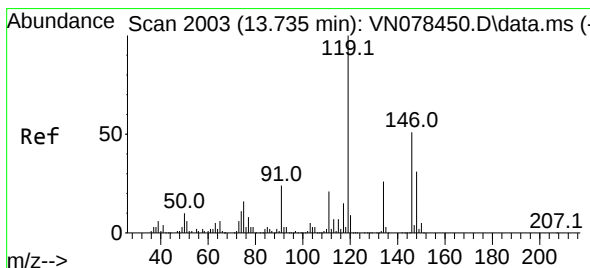
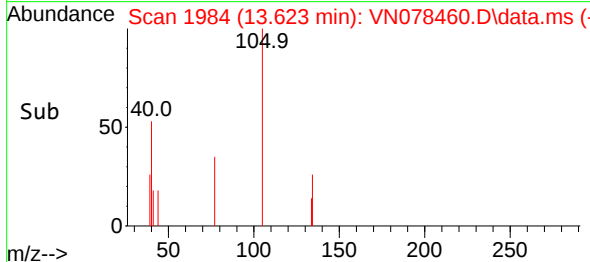
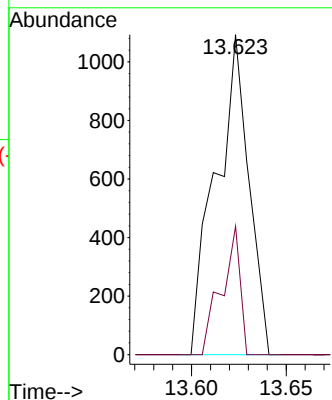
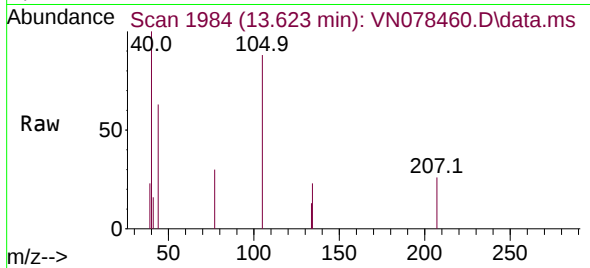




#85
 sec-Butylbenzene
 Concen: 0.065 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56

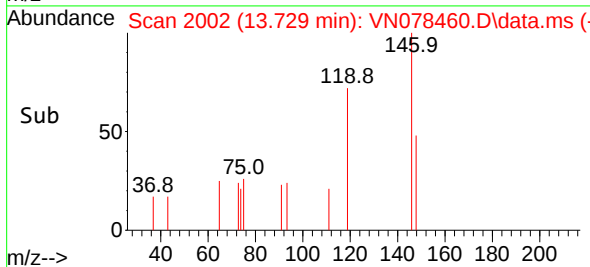
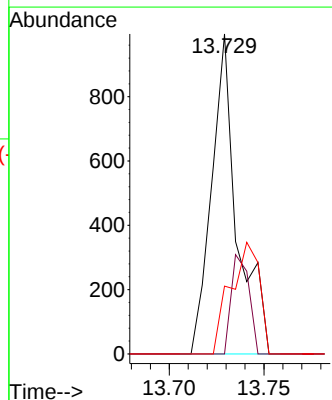
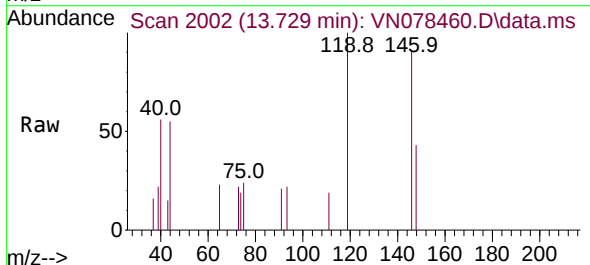
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0711WBL02

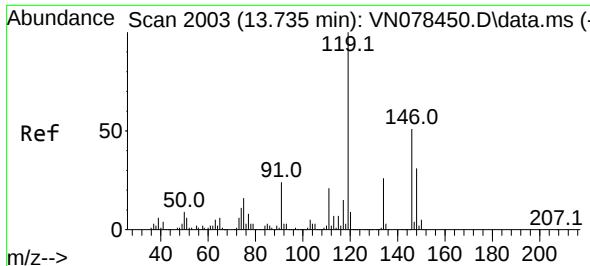
Tgt Ion:105 Resp: 1327
 Ion Ratio Lower Upper
 105 100
 134 22.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.057 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN078460.D
 Acq: 11 Jul 2023 12:56

Tgt Ion:119 Resp: 936
 Ion Ratio Lower Upper
 119 100
 134 21.4 12.6 37.8
 91 39.3 12.4 37.2#





#87

1,3-Dichlorobenzene

Concen: 0.155 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN0711WBL02

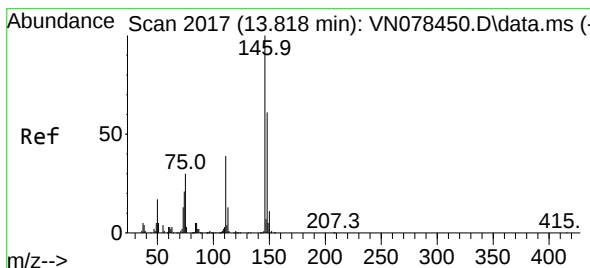
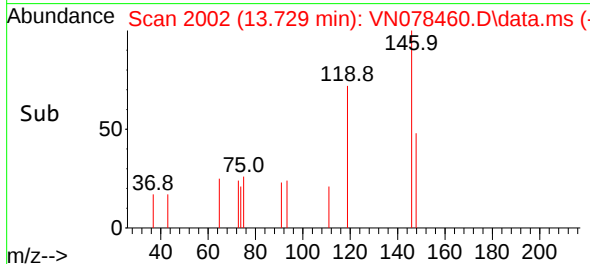
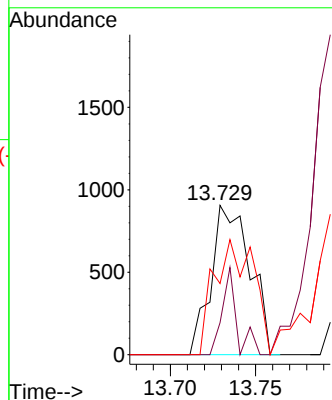
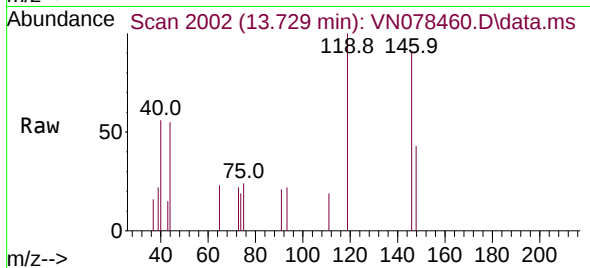
Tgt Ion:146 Resp: 1443

Ion Ratio Lower Upper

146 100

111 21.8 22.1 66.3#

148 77.5 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.154 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.089 min

Lab File: VN078460.D

Acq: 11 Jul 2023 12:56

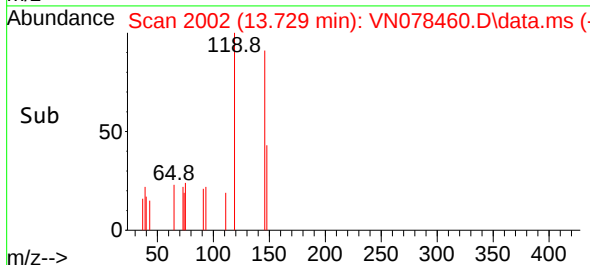
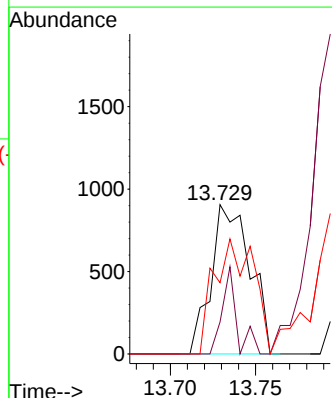
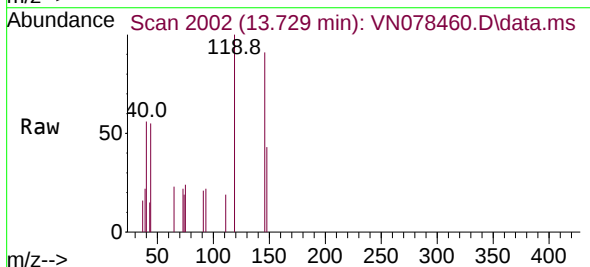
Tgt Ion:146 Resp: 1443

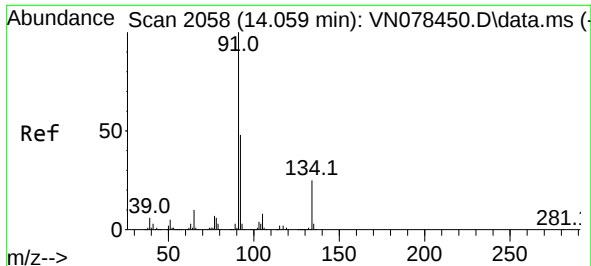
Ion Ratio Lower Upper

146 100

111 21.8 20.6 61.8

148 77.5 31.6 94.8

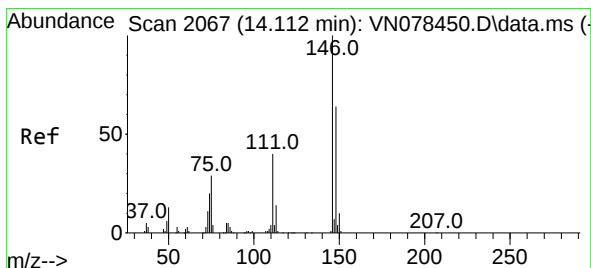
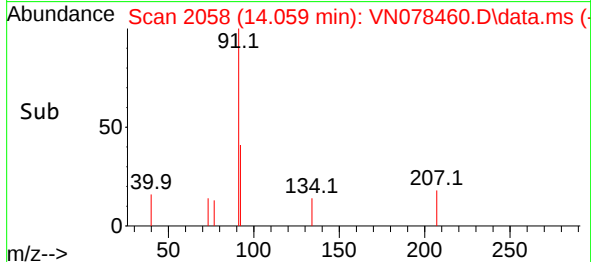
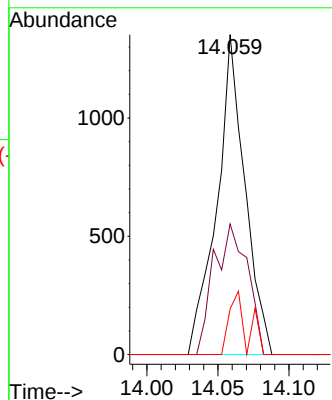
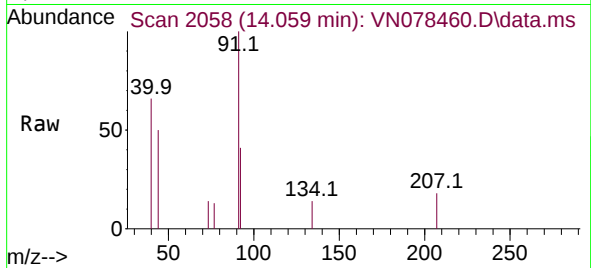




#89
n-Butylbenzene
Concen: 0.157 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN0711WBL02

Tgt Ion: 91 Resp: 1858
Ion Ratio Lower Upper
91 100
92 48.8 26.4 79.0
134 12.5 12.6 37.6#



#91
1,2-Dichlorobenzene
Concen: 0.111 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. -0.001 min
Lab File: VN078460.D
Acq: 11 Jul 2023 12:56

Tgt Ion:146 Resp: 1028
Ion Ratio Lower Upper
146 100
111 47.3 22.0 66.0
148 46.8 31.8 95.3

