

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077501.D
 Acq On : 28 Apr 2023 13:34
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 28 13:53:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 28 13:31:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.825	128	63732	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	453298	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	441072	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	165096	30.544	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.800%
60) 4-Bromofluorobenzene	12.854	95	203909	26.736	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.133%
63) Toluene-d8	10.572	98	483734	31.197	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	3107	0.513	ug/l	91
3) Chloromethane	2.372	50	2604	0.324	ug/l	95
5) Bromomethane	2.984	94	10623	1.223	ug/l	81
13) Acrolein	4.190	56	1492	1.201	ug/l #	1
14) Acrylonitrile	5.731	53	2990	0.874	ug/l #	31
15) Acetone	4.449	58	626	0.505	ug/l #	21
16) Carbon Disulfide	4.719	76	16544	0.933	ug/l #	91
19) trans-1,2-Dichloroethene	5.790	96	2447	0.335	ug/l #	10
22) cis-1,2-Dichloroethene	7.489	96	1783	0.200	ug/l #	83
29) 1,1-Dichloropropene	8.384	75	2278	0.232	ug/l	77
30) 2-Butanone	7.489	43	1839	0.396	ug/l #	77
37) Trichloroethene	9.366	130	4253	0.572	ug/l #	71
38) Methylcyclohexane	9.613	83	4198	0.315	ug/l #	54
40) Dibromomethane	9.719	93	2361	0.434	ug/l	72
45) 1,4-Dioxane	9.707	88	439	2.706	ug/l #	34
46) Methyl methacrylate	9.689	41	1795	0.271	ug/l	56
48) t-1,3-Dichloropropene	10.842	75	3481	0.287	ug/l	90
54) 1,2-Dibromoethane	11.472	107	2070	0.261	ug/l #	77
55) 2-Chloroethyl vinyl ether	10.166	63	1642	0.439	ug/l #	63
58) 4-Methyl-2-Pentanone	10.448	43	7097	0.859	ug/l #	69
59) 2-Hexanone	11.201	43	12732	1.995	ug/l #	90
61) Tetrachloroethene	11.107	164	3049	0.581	ug/l	83
62) Toluene	10.630	91	8875	0.288	ug/l	94
64) Chlorobenzene	11.895	112	10767	0.576	ug/l	96
66) Ethyl Benzene	12.407	91	9425	0.276	ug/l	100
67) m/p-Xylenes	12.077	106	12051	0.902	ug/l	88
68) o-Xylene	12.401	106	4001	0.299	ug/l	80
69) Styrene	12.413	104	10896	0.509	ug/l	99
70) Isopropylbenzene	12.695	105	10902	0.321	ug/l	94
71) 1,1,2,2-Tetrachloroethane	12.930	83	3552	0.342	ug/l #	83
72) 1,2,3-Trichloropropane	13.001	75	2195	0.311	ug/l #	1
73) Bromobenzene	12.989	156	6204	0.900	ug/l	71
74) n-propylbenzene	13.042	91	22024	0.587	ug/l	95
75) 2-Chlorotoluene	13.130	91	12673	0.564	ug/l	96
76) 1,3,5-Trimethylbenzene	13.177	105	8835	0.320	ug/l	94
78) 4-Chlorotoluene	13.224	91	20797	0.979	ug/l	93
79) tert-butylbenzene	13.436	119	9490	0.395	ug/l	98
80) 1,2,4-Trimethylbenzene	13.489	105	10914	0.405	ug/l	83
81) sec-Butylbenzene	13.618	105	17365	0.506	ug/l	96

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

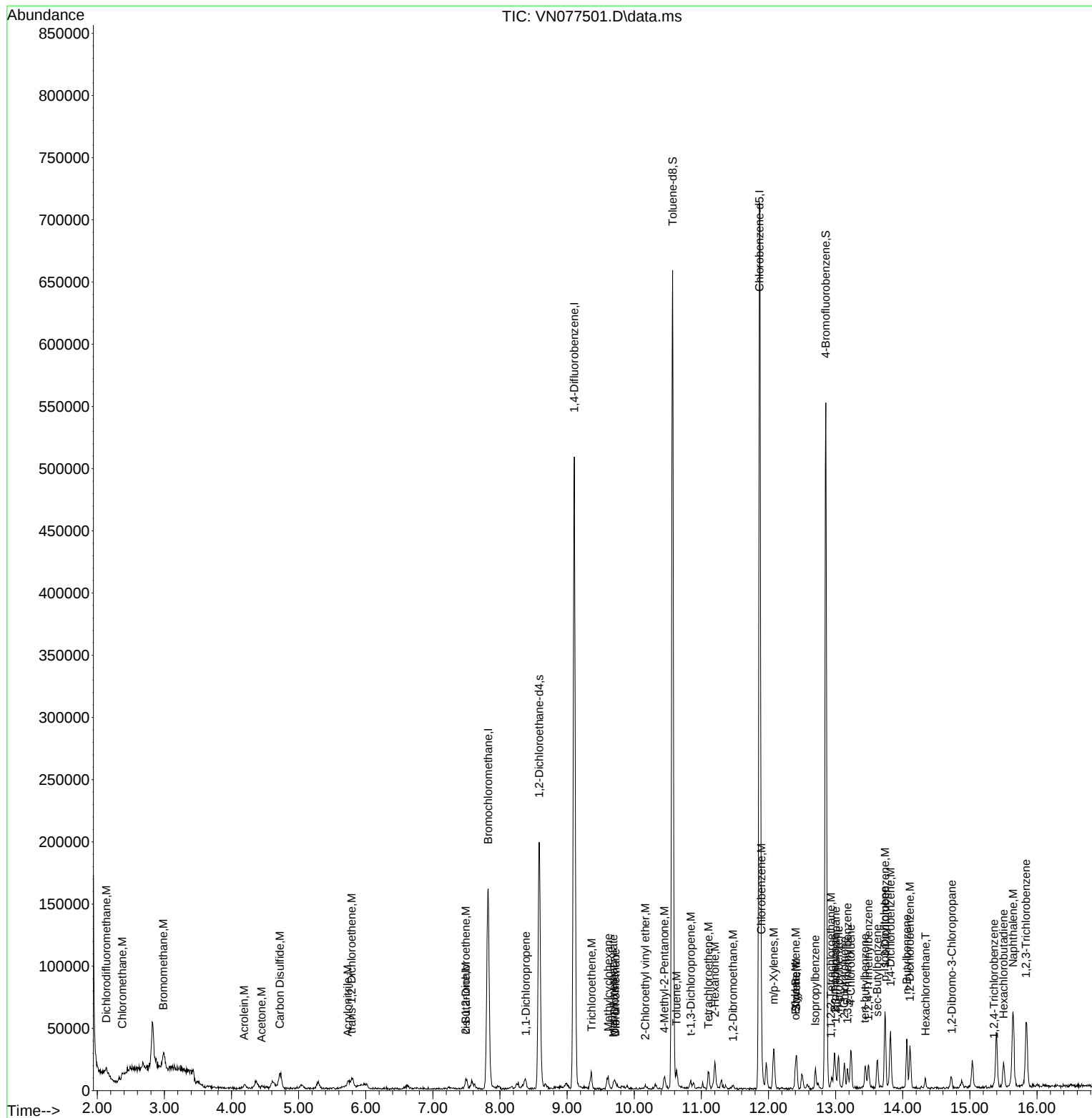
82) p-Isopropyltoluene	13.730	119	14274	0.519	ug/l	92
83) 1,3-Dichlorobenzene	13.736	146	16417	1.256	ug/l	97
84) 1,4-Dichlorobenzene	13.819	146	19736	1.556	ug/l	95
85) n-Butylbenzene	14.060	91	20799	0.915	ug/l	90
86) Hexachloroethane	14.342	117	1220	0.209	ug/l	94
87) 1,2-Dichlorobenzene	14.107	146	13710	1.071	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.730	75	3758	1.887	ug/l #	60
89) 1,2,4-Trichlorobenzene	15.360	180	1100	0.218	ug/l #	13
90) Hexachlorobutadiene	15.501	225	3043	1.178	ug/l	88
91) Naphthalene	15.642	128	66530	3.457	ug/l	99
92) 1,2,3-Trichlorobenzene	15.836	180	19861	4.041	ug/l	69

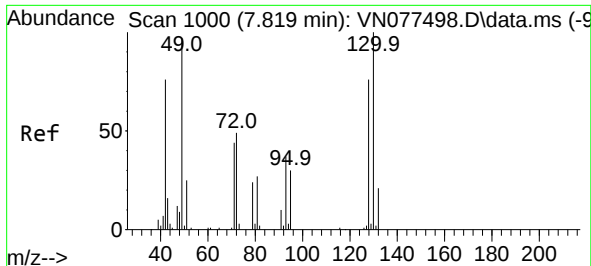
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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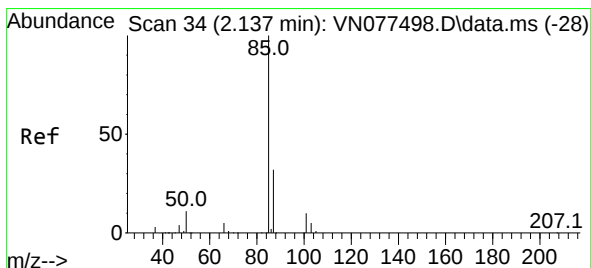
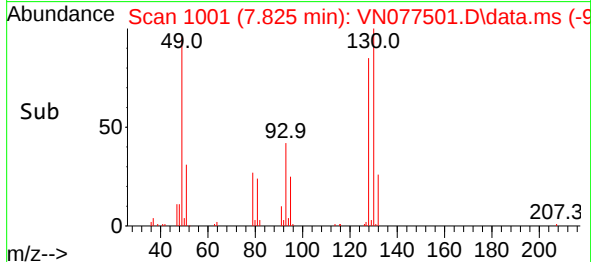
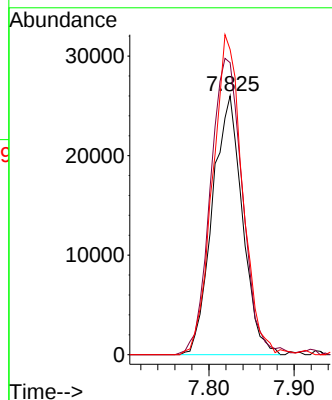
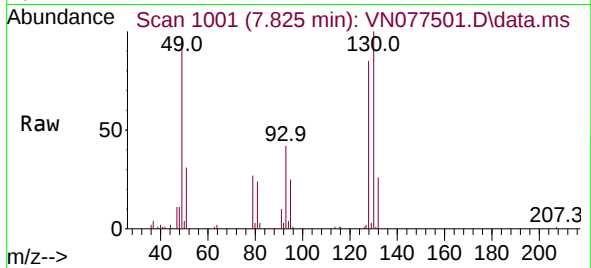




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

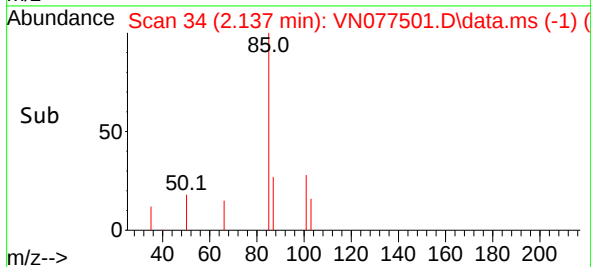
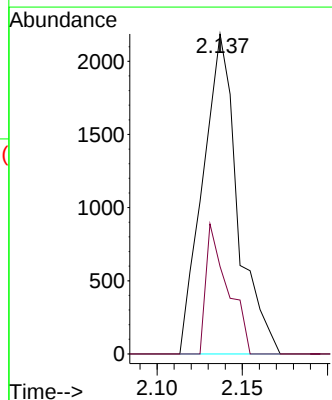
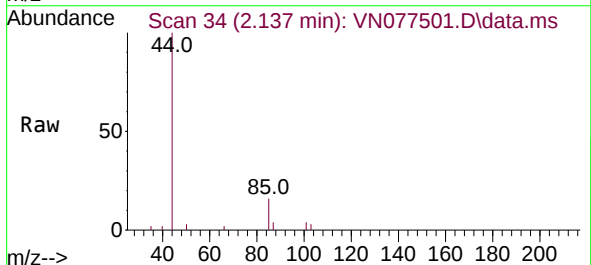
Instrument :
MSVOA_N
ClientSampleId :
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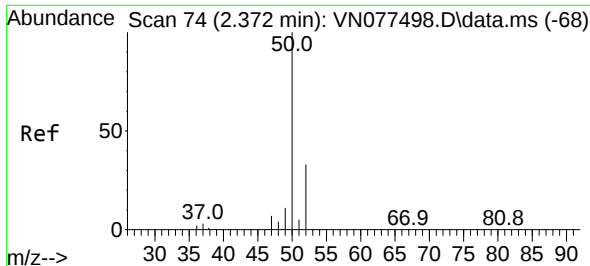
Tgt Ion:128 Resp: 63732
Ion Ratio Lower Upper
128 100
49 122.4 0.0 379.5
130 122.0 0.0 322.8



#2
Dichlorodifluoromethane
Concen: 0.513 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 85 Resp: 3107
Ion Ratio Lower Upper
85 100
87 27.3 16.2 48.6

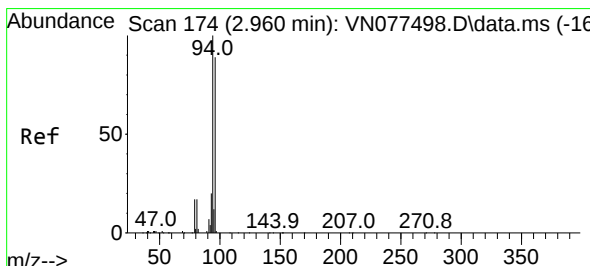
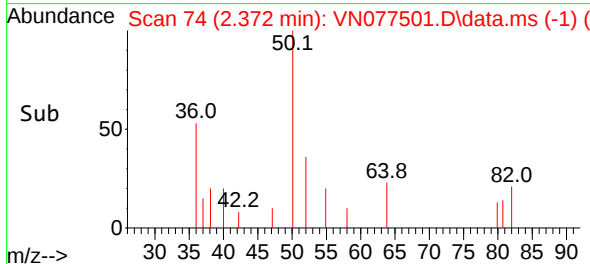
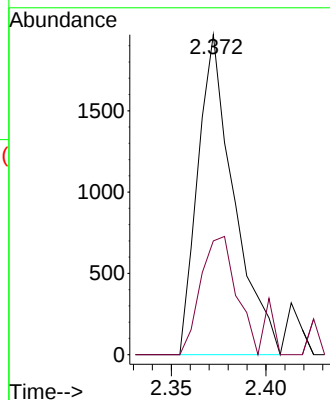
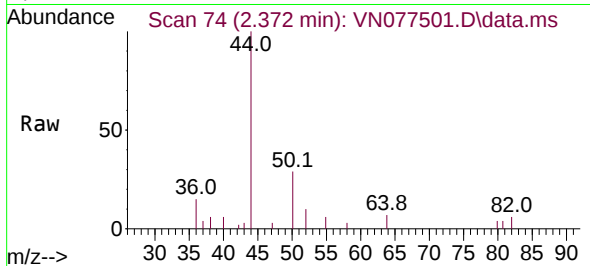




#3
Chloromethane
Concen: 0.324 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

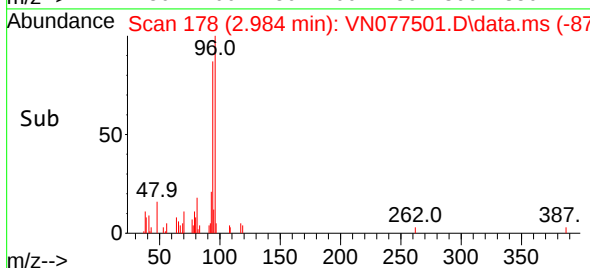
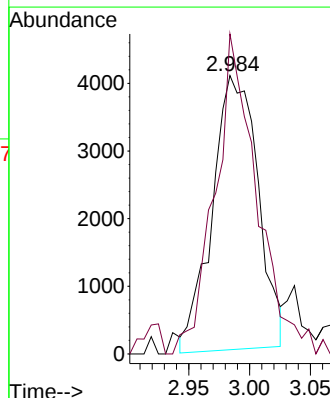
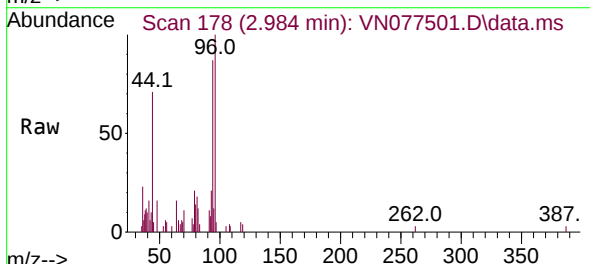
Instrument :
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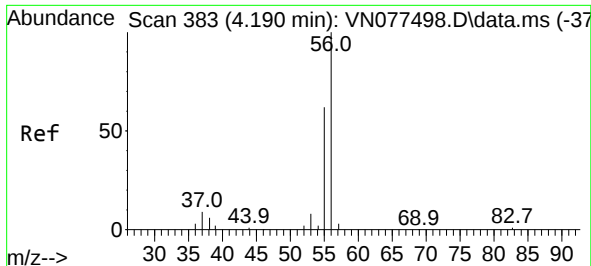
Tgt Ion: 50 Resp: 2604
Ion Ratio Lower Upper
50 100
52 35.6 26.4 39.6



#5
Bromomethane
Concen: 1.223 ug/l
RT: 2.984 min Scan# 178
Delta R.T. 0.035 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 94 Resp: 10623
Ion Ratio Lower Upper
94 100
96 115.1 77.0 115.6

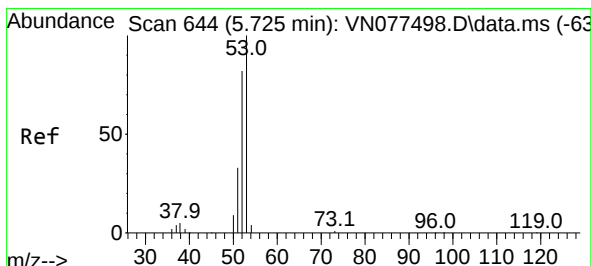
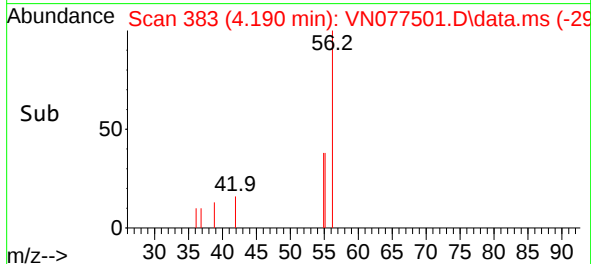
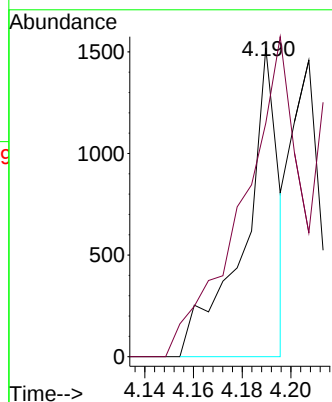
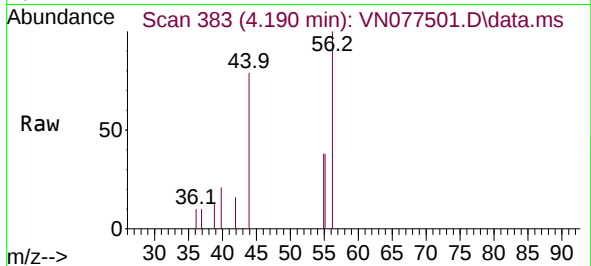




#13
Acrolein
Concen: 1.201 ug/l
RT: 4.190 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

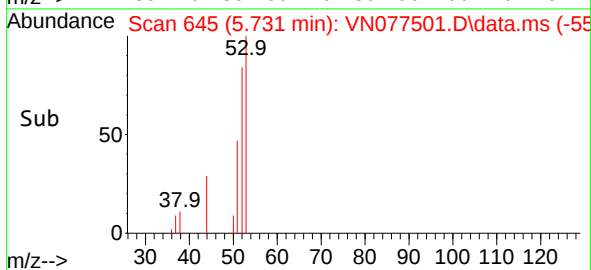
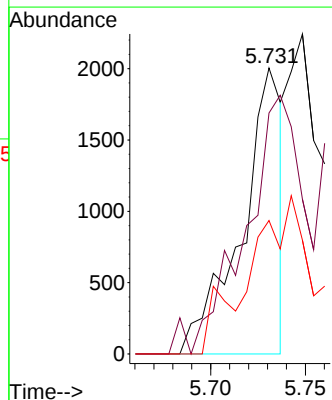
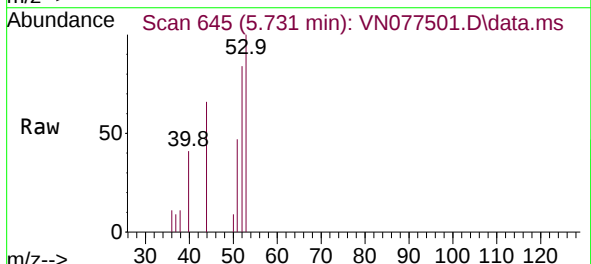
Instrument :
MSVOA_N
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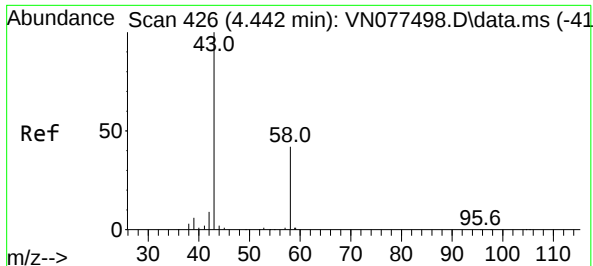
Tgt Ion: 56 Resp: 1492
Ion Ratio Lower Upper
56 100
55 168.1 55.2 82.8#



#14
Acrylonitrile
Concen: 0.874 ug/l
RT: 5.731 min Scan# 645
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 53 Resp: 2990
Ion Ratio Lower Upper
53 100
52 0.0 41.0 123.0#
51 24.9 17.7 53.1





#15

Acetone

Concen: 0.505 ug/l

RT: 4.449 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

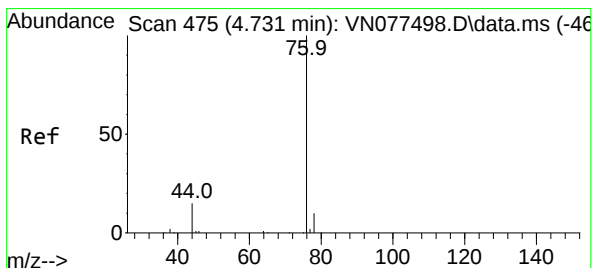
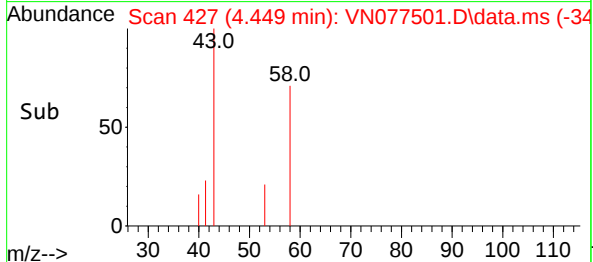
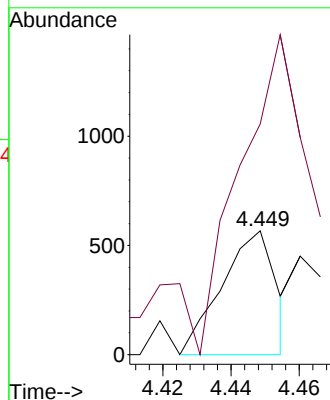
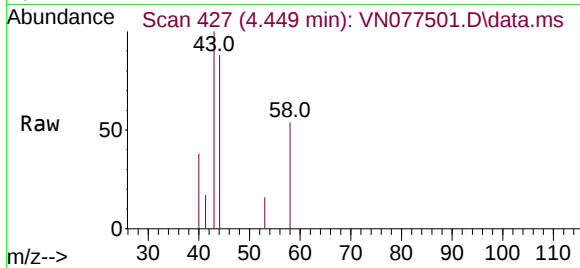
IBLK

Tgt Ion: 58 Resp: 626

Ion Ratio Lower Upper

58 100

43 128.9 220.9 331.3#



#16

Carbon Disulfide

Concen: 0.933 ug/l

RT: 4.719 min Scan# 473

Delta R.T. 0.000 min

Lab File: VN077501.D

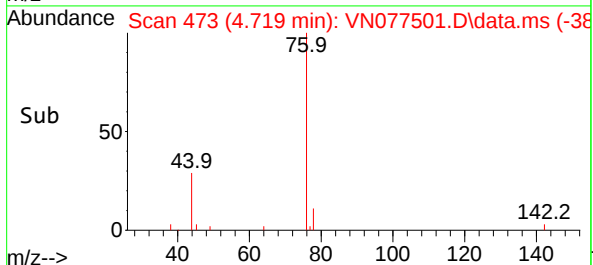
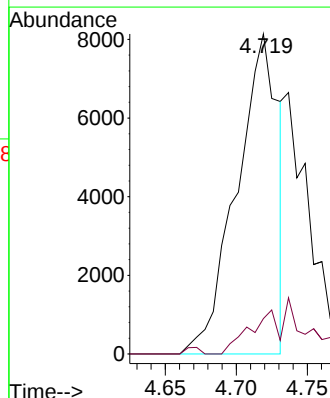
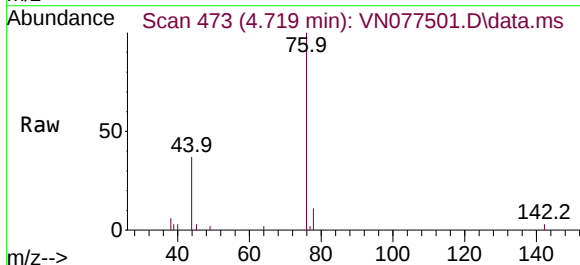
Acq: 28 Apr 2023 13:34

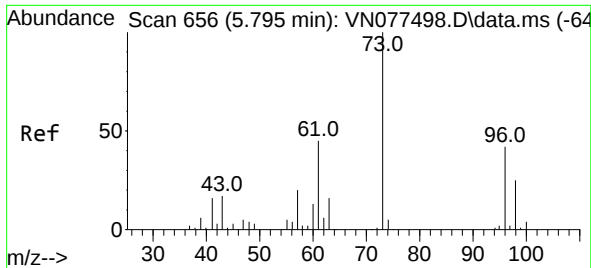
Tgt Ion: 76 Resp: 16544

Ion Ratio Lower Upper

76 100

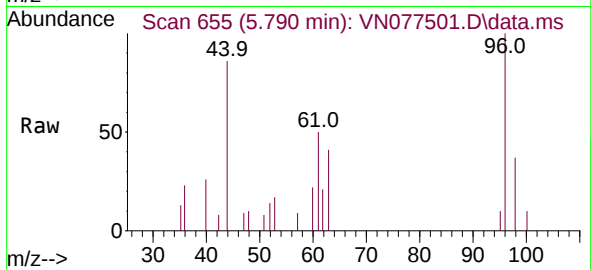
78 11.0 6.3 9.5#



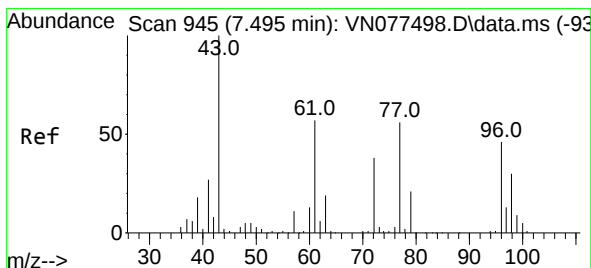
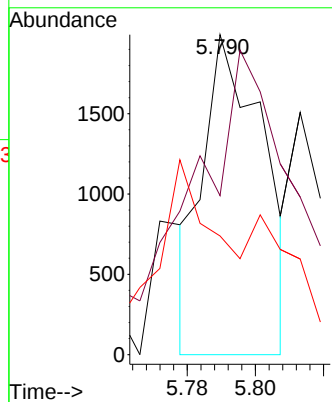
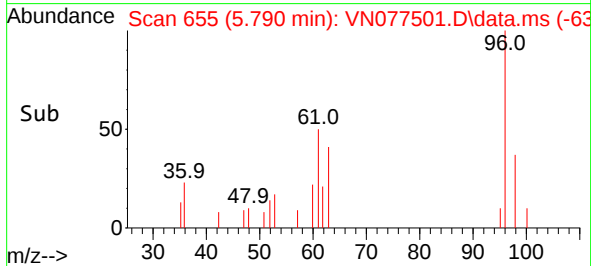


#19
trans-1,2-Dichloroethene
Concen: 0.335 ug/l
RT: 5.790 min Scan# 61
Delta R.T. -0.000 min
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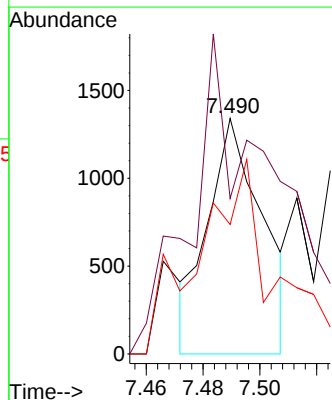
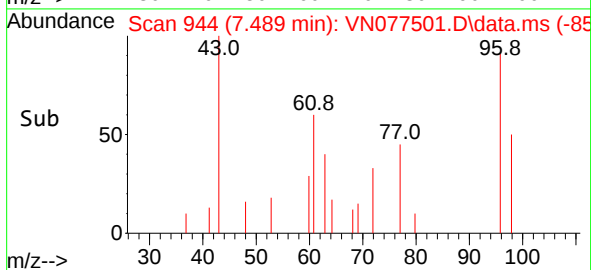
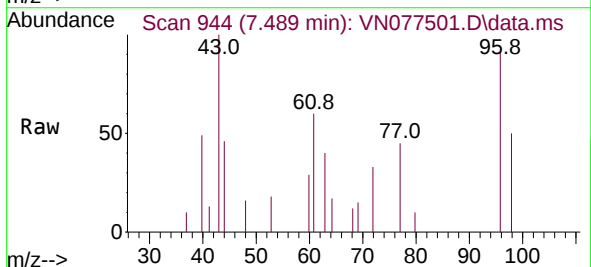


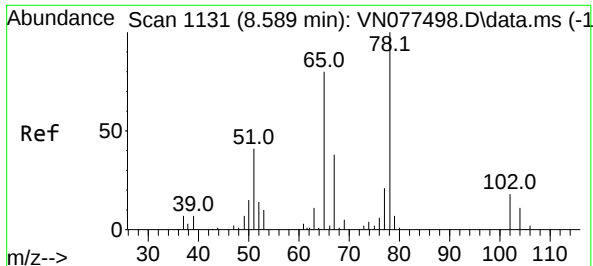
Tgt Ion: 96 Resp: 2447
Ion Ratio Lower Upper
96 100
61 8.2 94.5 141.7#
98 7.1 49.8 74.8#



#22
cis-1,2-Dichloroethene
Concen: 0.200 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.001 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 96 Resp: 1783
Ion Ratio Lower Upper
96 100
61 104.0 105.5 158.3#
98 68.3 51.8 77.6

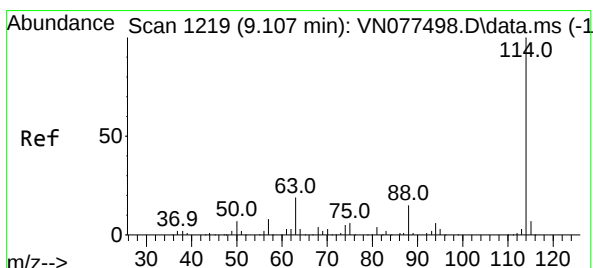
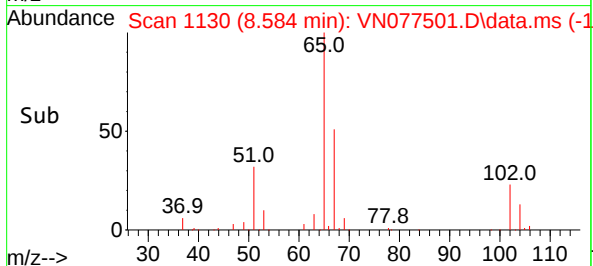
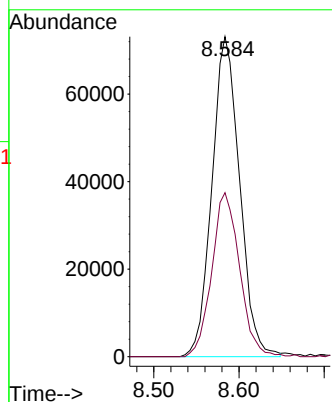
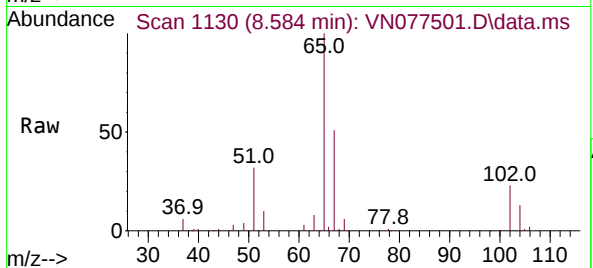




#27
1,2-Dichloroethane-d4
Concen: 30.544 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077501.D
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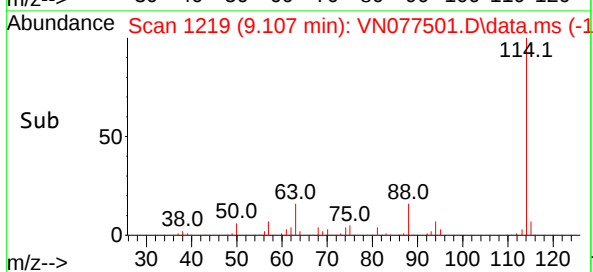
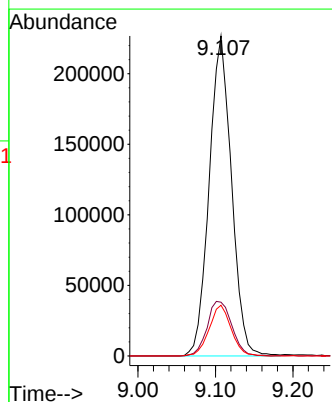
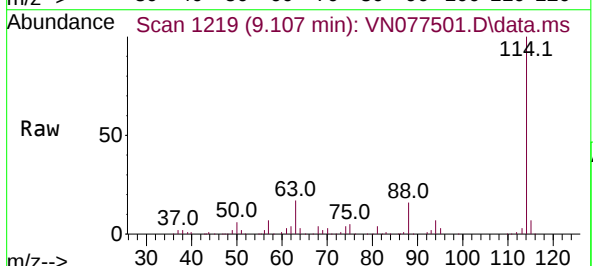
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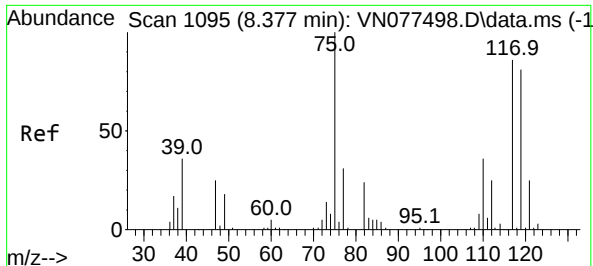
Tgt Ion: 65 Resp: 165096
Ion Ratio Lower Upper
65 100
67 51.5 41.8 62.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 114 Resp: 453298
Ion Ratio Lower Upper
114 100
63 18.8 15.0 22.4
88 15.6 11.9 17.9

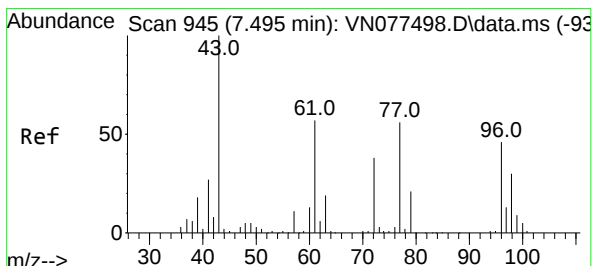
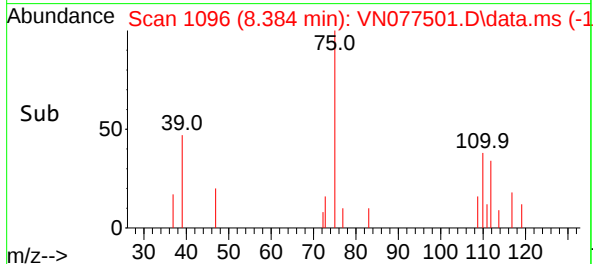
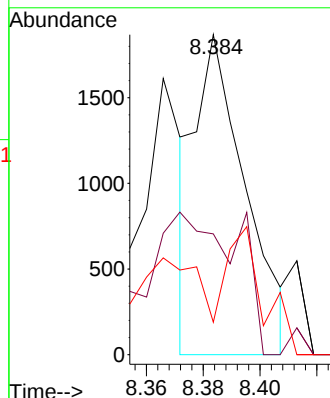
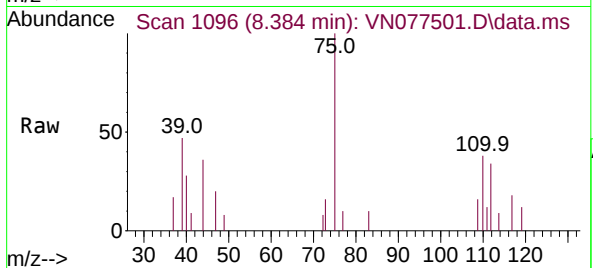




#29
1,1-Dichloropropene
Concen: 0.232 ug/l
RT: 8.384 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

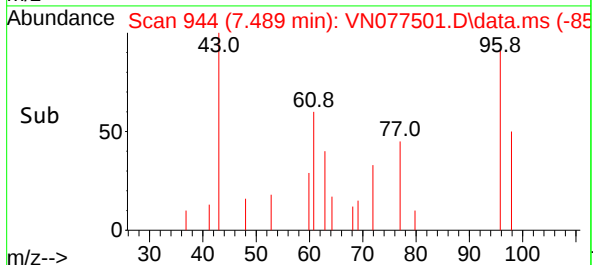
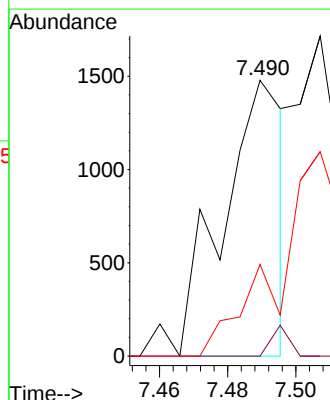
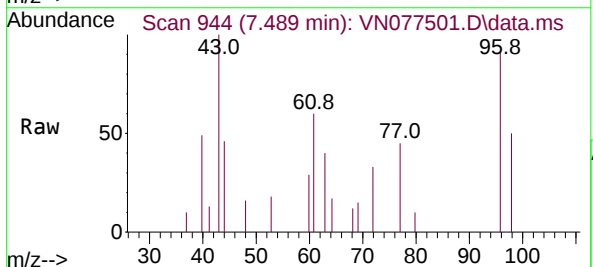
Instrument :
MSVOA_N
ClientSampleId :
IBLK

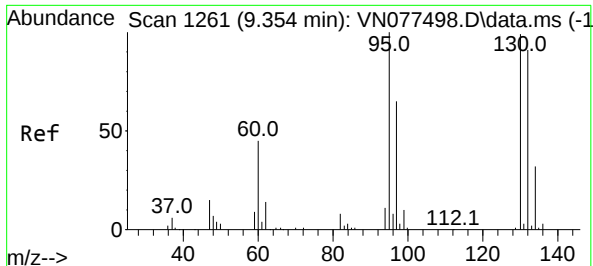
Tgt Ion: 75 Resp: 2278
Ion Ratio Lower Upper
75 100
110 12.9 0.0 72.4
77 29.4 0.0 61.4



#30
2-Butanone
Concen: 0.396 ug/l
RT: 7.489 min Scan# 944
Delta R.T. -0.001 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
57 0.0 7.5 11.3#
72 21.3 26.9 40.3#





#37

Trichloroethene

Concen: 0.572 ug/l

RT: 9.366 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

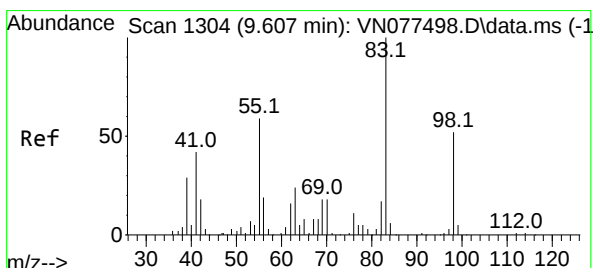
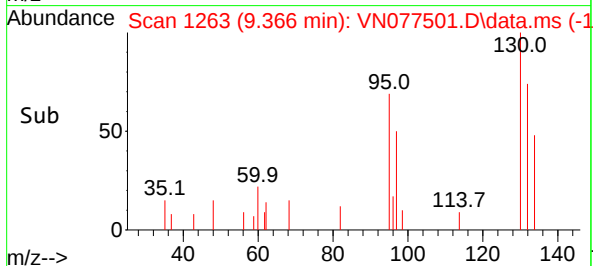
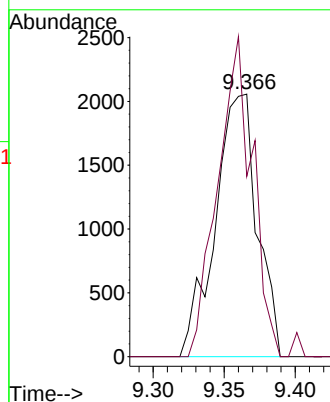
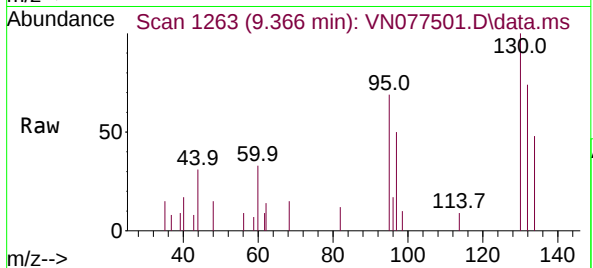
IBLK

Tgt Ion:130 Resp: 4253

Ion Ratio Lower Upper

130 100

95 68.7 77.5 116.3#



#38

Methylcyclohexane

Concen: 0.315 ug/l

RT: 9.613 min Scan# 1305

Delta R.T. 0.012 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

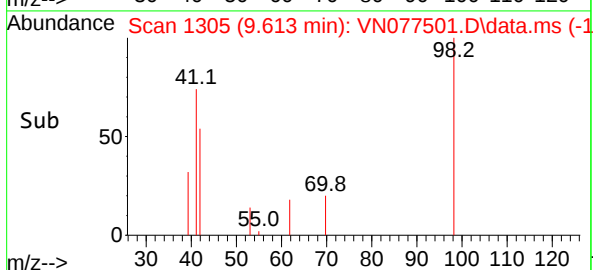
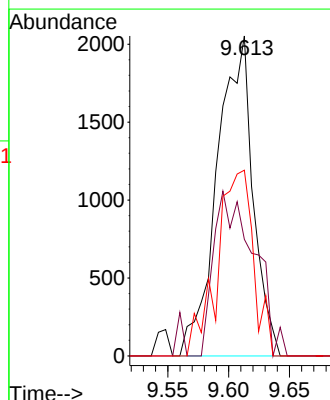
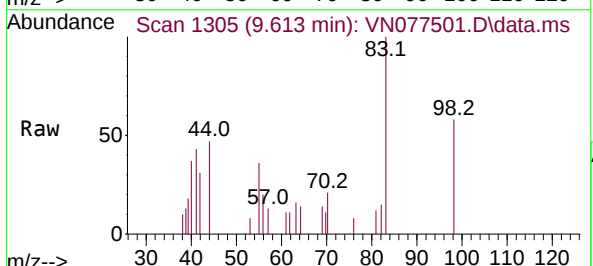
Tgt Ion: 83 Resp: 4198

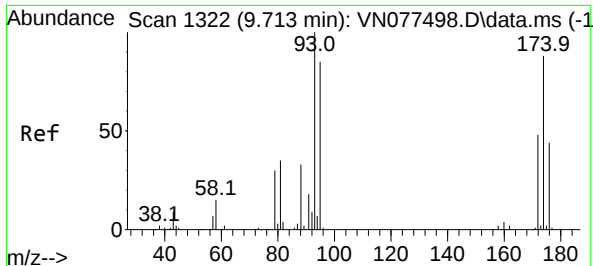
Ion Ratio Lower Upper

83 100

55 1.5 32.0 96.2#

98 48.8 25.3 75.9

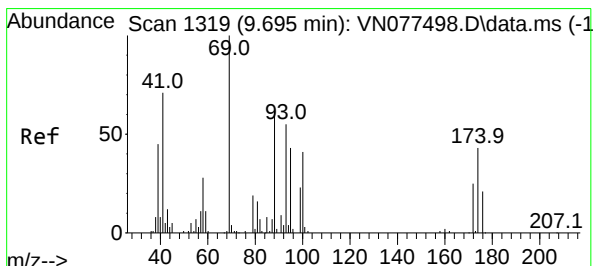
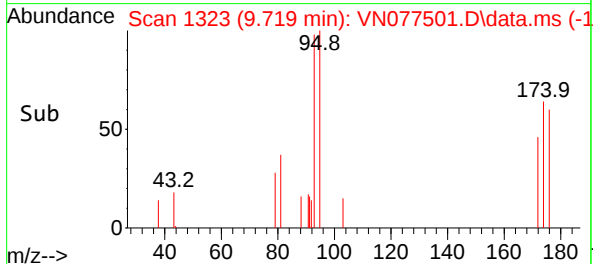
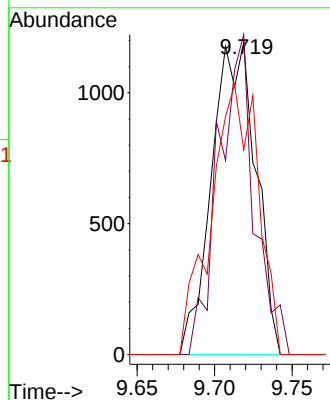
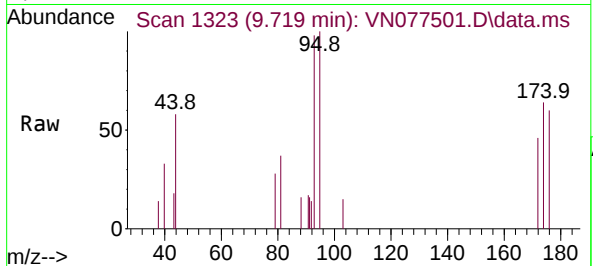




#40
Dibromomethane
Concen: 0.434 ug/l
RT: 9.719 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

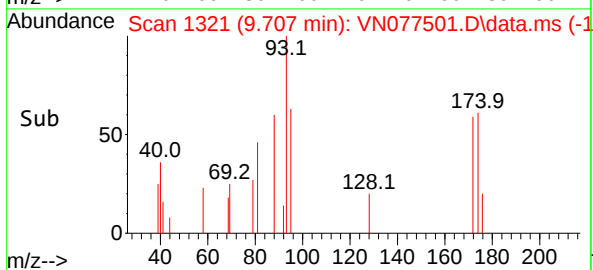
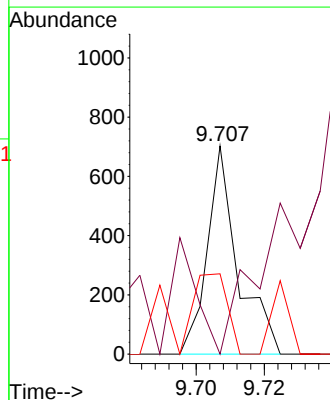
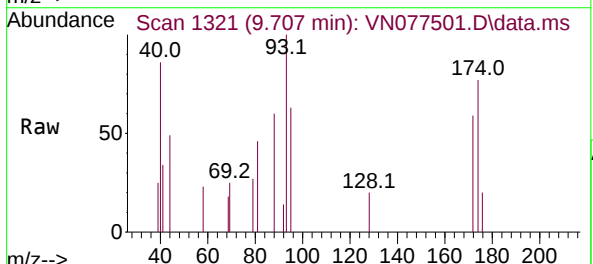
Instrument :
MSVOA_N
ClientSampleId :
IBLK

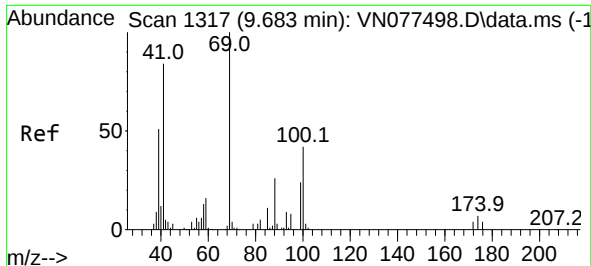
Tgt Ion: 93 Resp: 2361
Ion Ratio Lower Upper
93 100
95 83.4 0.0 166.4
174 33.0 0.0 164.8



#45
1,4-Dioxane
Concen: 2.706 ug/l
RT: 9.707 min Scan# 1321
Delta R.T. 0.012 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 88 Resp: 439
Ion Ratio Lower Upper
88 100
43 110.3 17.4 26.0#
58 43.3 48.2 72.4#

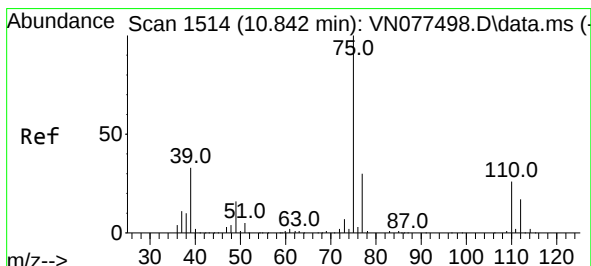
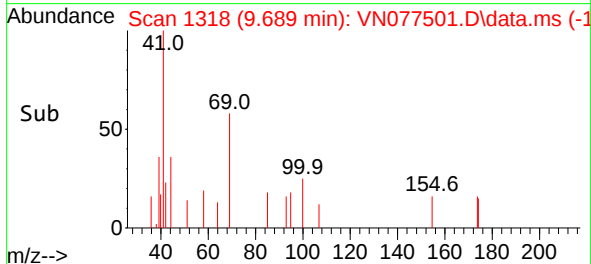
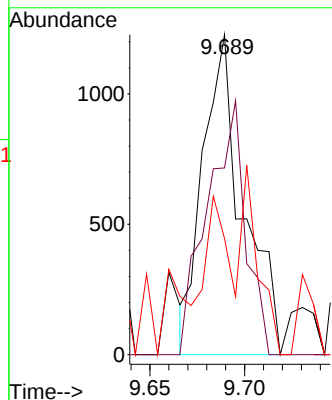
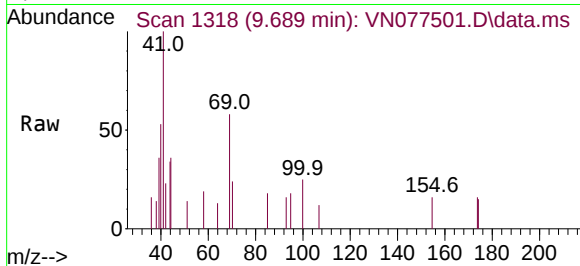




#46
Methyl methacrylate
Concen: 0.271 ug/l
RT: 9.689 min Scan# 1317
Delta R.T. 0.005 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

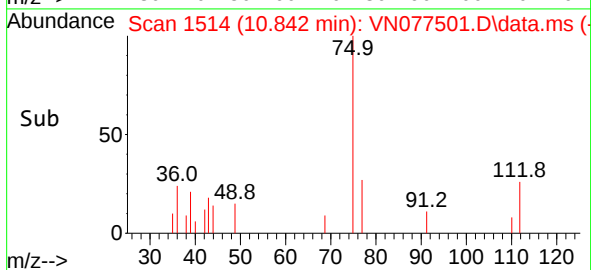
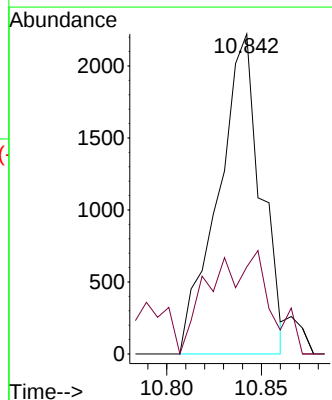
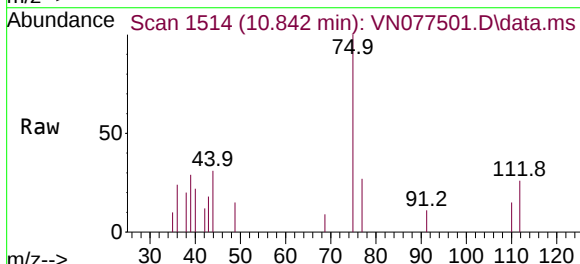
Instrument :
MSVOA_N
ClientSampleId :
IBLK

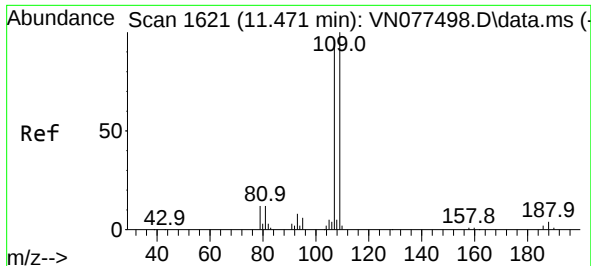
Tgt Ion:	41	Resp:	1795
Ion	Ratio	Lower	Upper
41	100		
69	58.4	54.5	163.5
39	36.3	33.4	100.2



#48
t-1,3-Dichloropropene
Concen: 0.287 ug/l
RT: 10.842 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion:	75	Resp:	3481
Ion	Ratio	Lower	Upper
75	100		
77	27.2	26.5	39.7

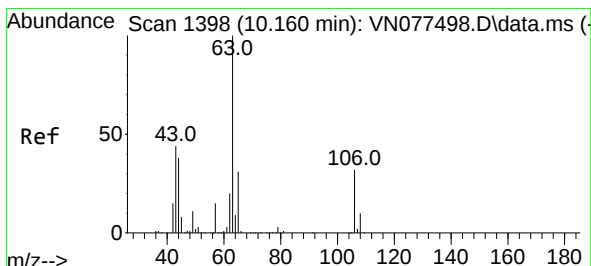
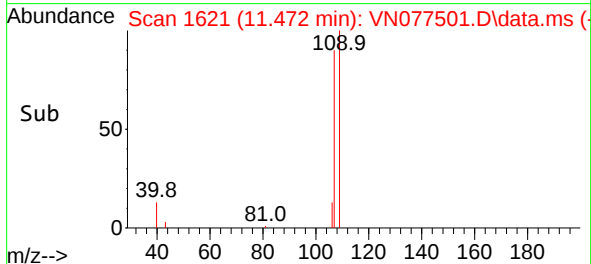
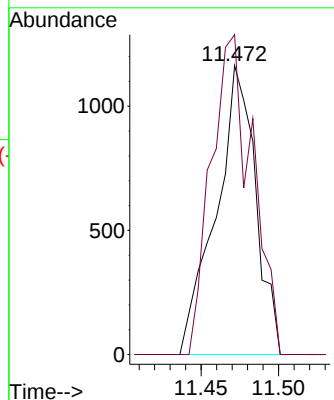
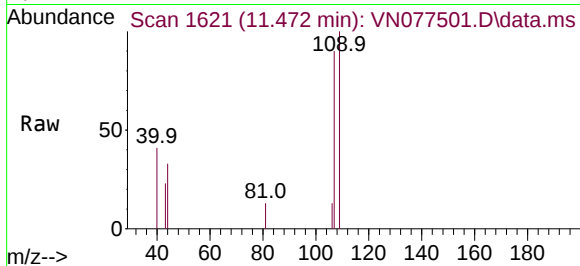




#54
1,2-Dibromoethane
Concen: 0.261 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

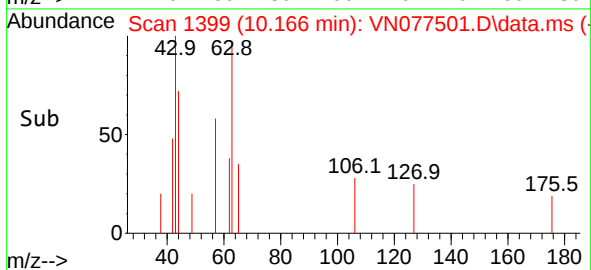
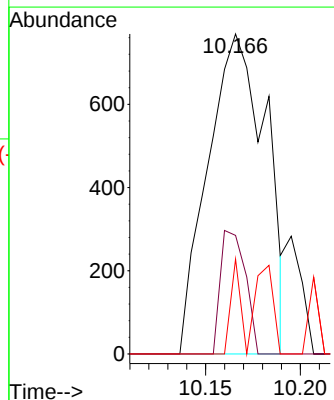
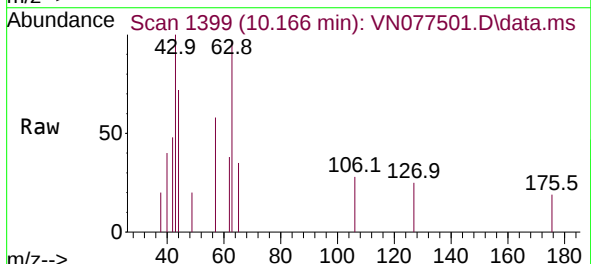
Instrument :
MSVOA_N
ClientSampleId :
IBLK

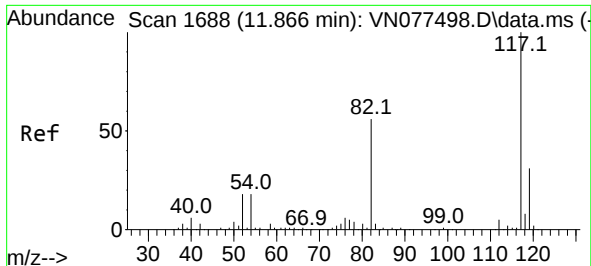
Tgt Ion:107 Resp: 2070
Ion Ratio Lower Upper
107 100
109 115.1 74.1 111.1#



#55
2-Chloroethyl vinyl ether
Concen: 0.439 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 63 Resp: 1642
Ion Ratio Lower Upper
63 100
65 16.5 25.7 38.5#
106 4.9 24.0 36.0#

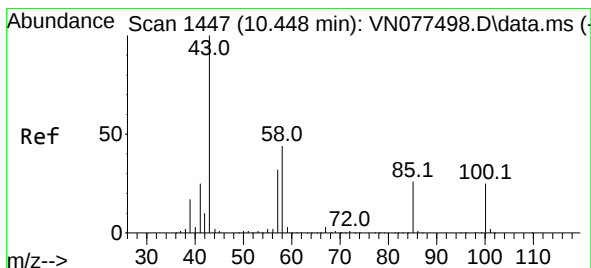
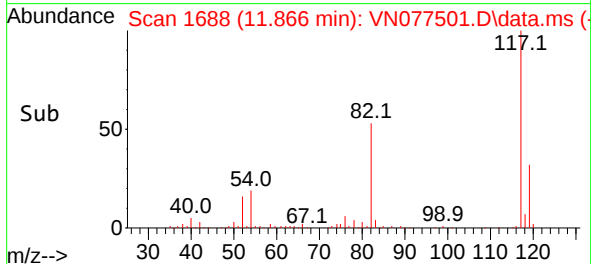
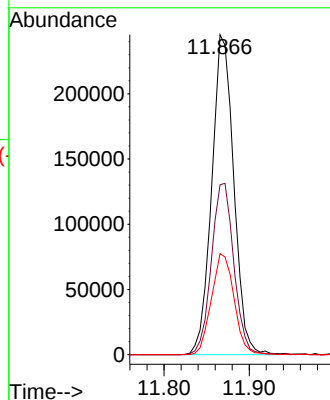
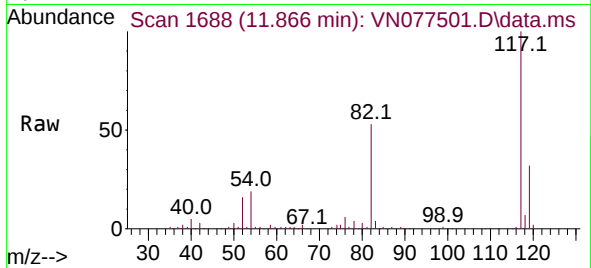




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

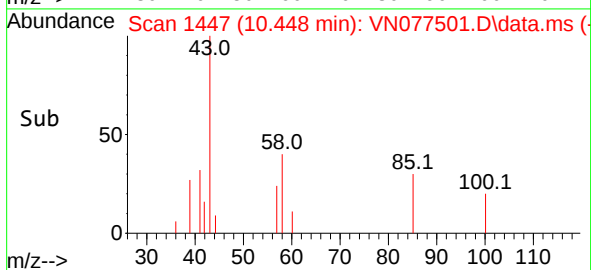
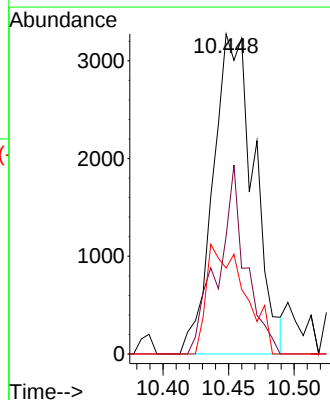
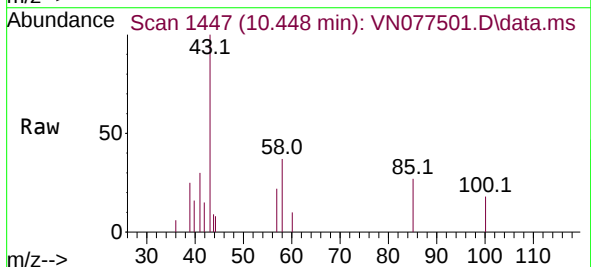
Instrument :
MSVOA_N
ClientSampleId :
IBLK

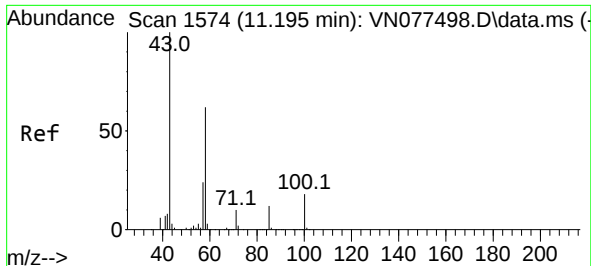
Tgt Ion:117 Resp: 441072
Ion Ratio Lower Upper
117 100
82 54.7 43.8 65.8
119 32.5 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 0.859 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 43 Resp: 7097
Ion Ratio Lower Upper
43 100
58 28.6 34.7 52.1#
85 0.0 17.8 26.8#

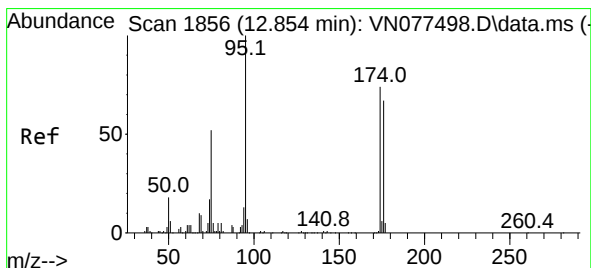
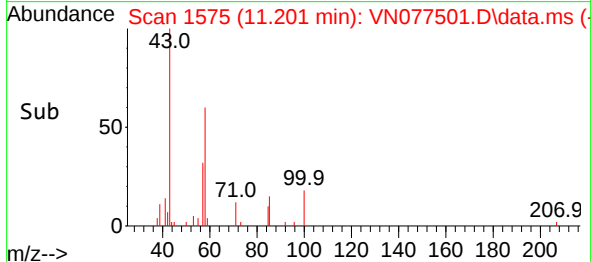
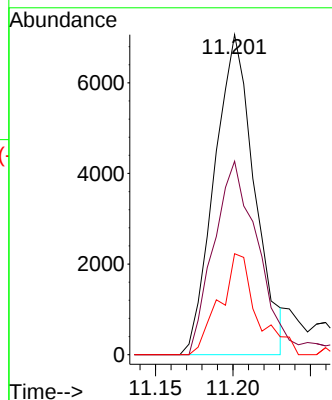
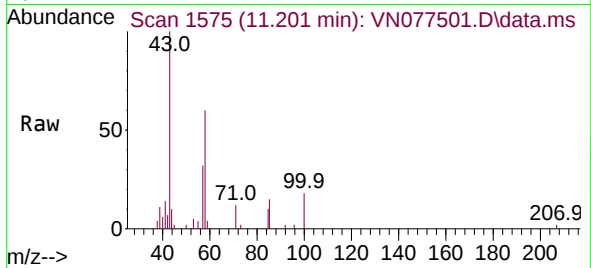




#59
2-Hexanone
Concen: 1.995 ug/l
RT: 11.201 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

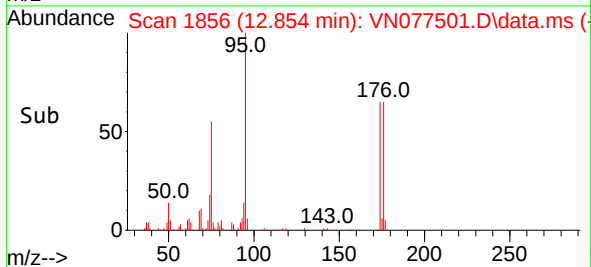
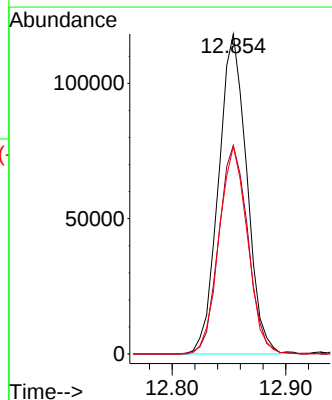
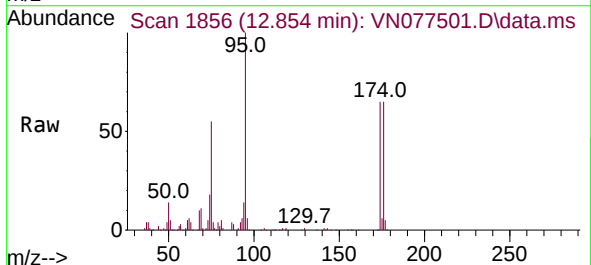
Instrument :
MSVOA_N
ClientSampleId :
IBLK

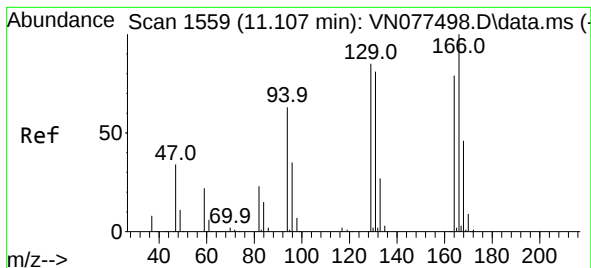
Tgt Ion: 43 Resp: 12732
Ion Ratio Lower Upper
43 100
58 66.2 48.6 73.0
57 29.1 16.7 25.1#



#60
4-Bromofluorobenzene
Concen: 26.736 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 95 Resp: 203909
Ion Ratio Lower Upper
95 100
174 67.3 57.8 86.8
176 65.5 54.6 81.8





#61

Tetrachloroethene

Concen: 0.581 ug/l

RT: 11.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:164 Resp: 3049

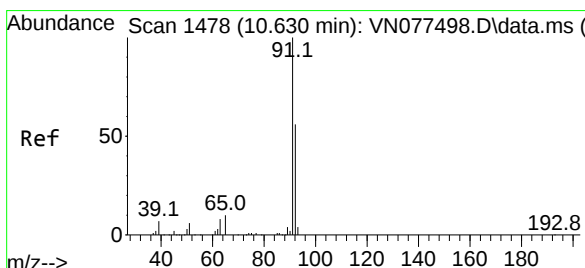
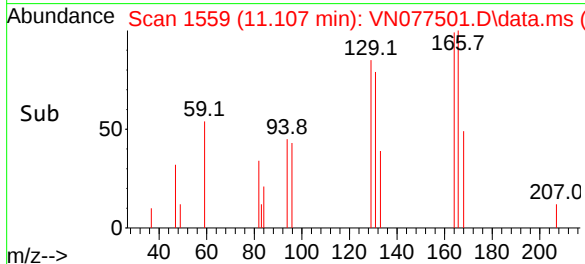
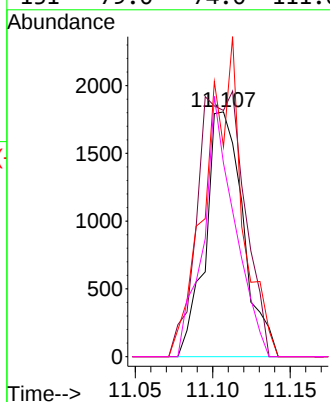
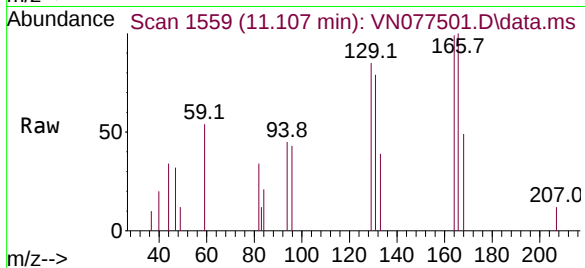
Ion Ratio Lower Upper

164 100

166 100.6 97.9 146.9

129 85.8 82.5 123.7

131 79.0 74.0 111.0



#62

Toluene

Concen: 0.288 ug/l

RT: 10.630 min Scan# 1478

Delta R.T. -0.001 min

Lab File: VN077501.D

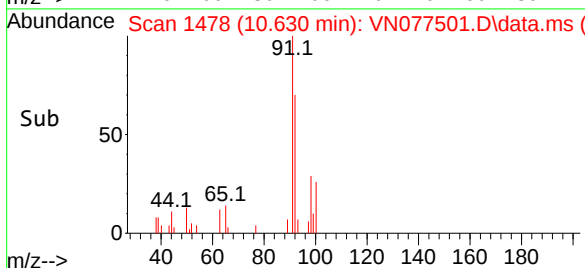
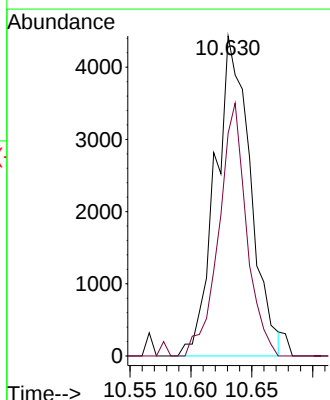
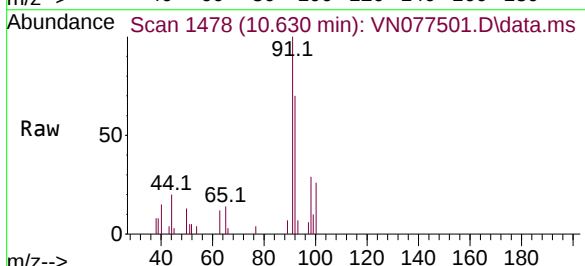
Acq: 28 Apr 2023 13:34

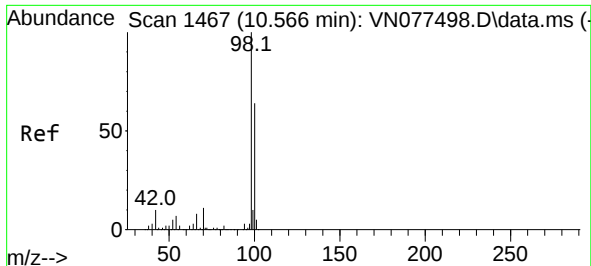
Tgt Ion: 91 Resp: 8875

Ion Ratio Lower Upper

91 100

92 62.7 46.6 70.0

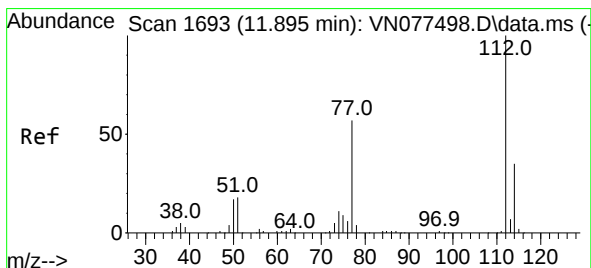
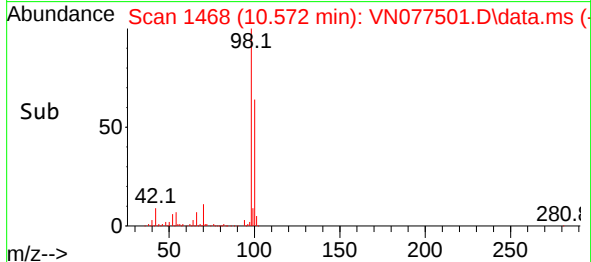
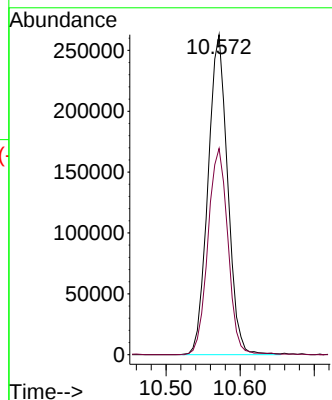
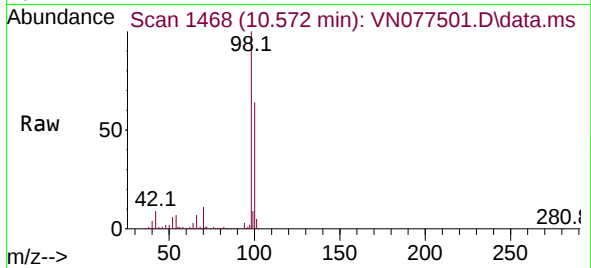




#63
Toluene-d8
Concen: 31.197 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

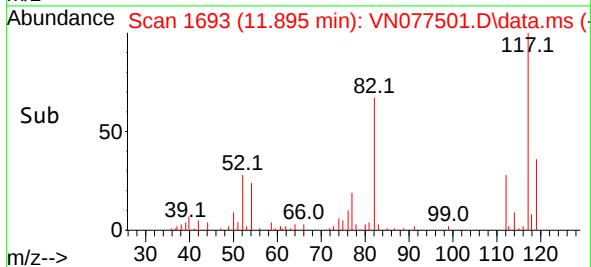
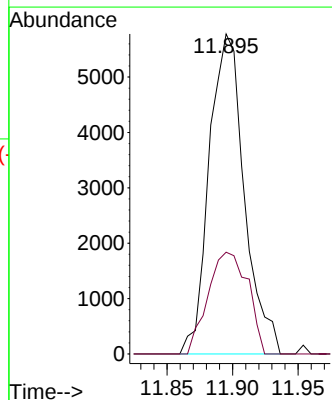
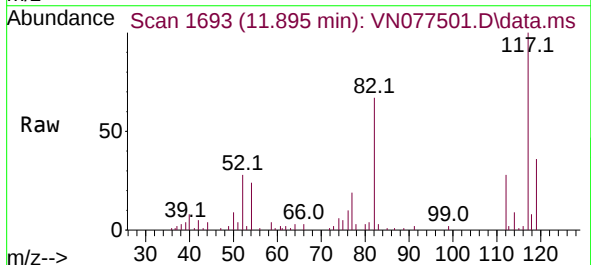
Instrument :
MSVOA_N
ClientSampleId :
IBLK

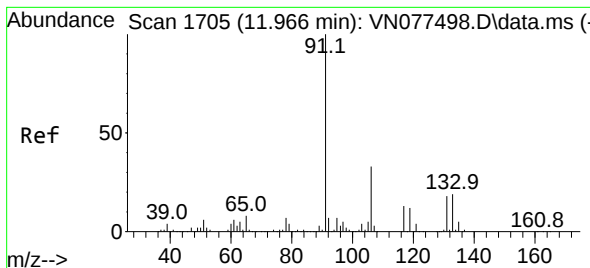
Tgt Ion: 98 Resp: 483734
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2



#64
Chlorobenzene
Concen: 0.576 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 112 Resp: 10767
Ion Ratio Lower Upper
112 100
114 29.8 25.6 38.4





#66

Ethyl Benzene

Concen: 0.276 ug/l

RT: 12.407 min Scan# 1705

Delta R.T. 0.441 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

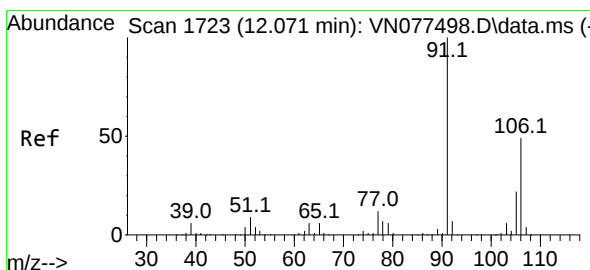
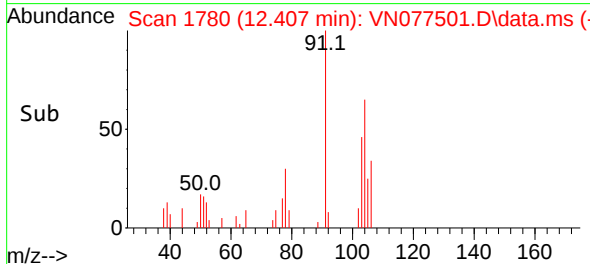
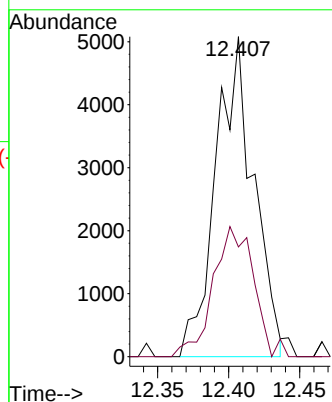
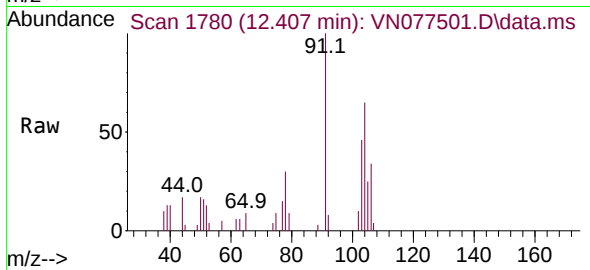
IBLK

Tgt Ion: 91 Resp: 9425

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.6



#67

m/p-Xylenes

Concen: 0.902 ug/l

RT: 12.077 min Scan# 1724

Delta R.T. 0.005 min

Lab File: VN077501.D

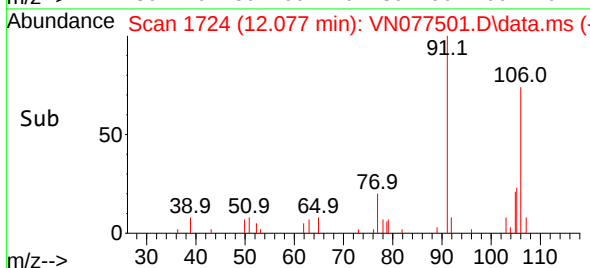
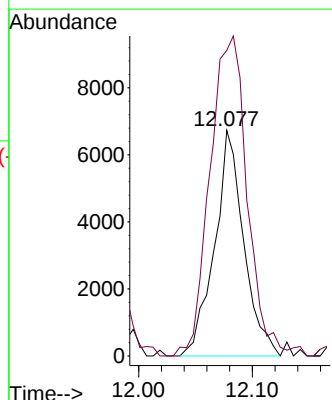
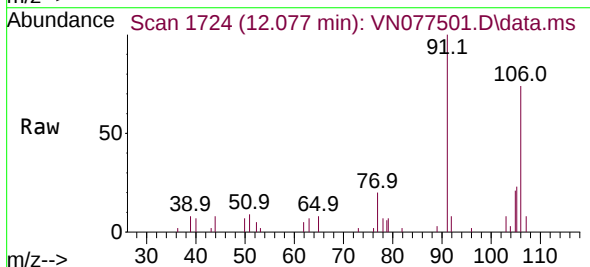
Acq: 28 Apr 2023 13:34

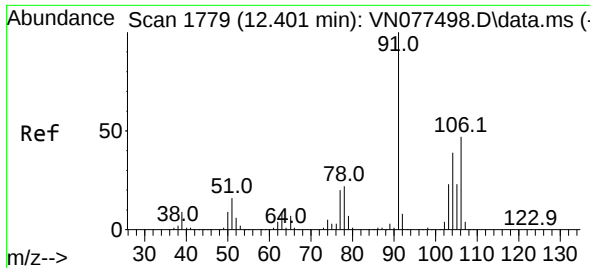
Tgt Ion: 106 Resp: 12051

Ion Ratio Lower Upper

106 100

91 179.5 158.0 237.0

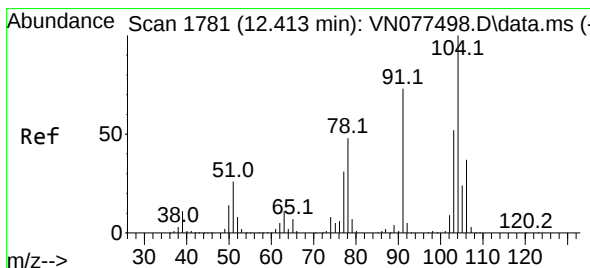
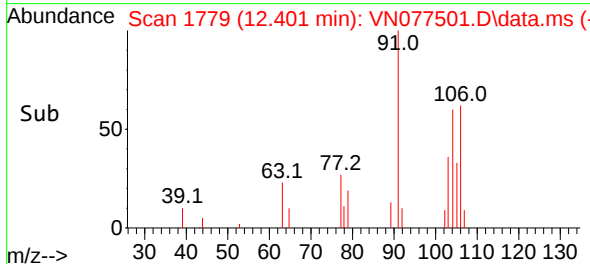
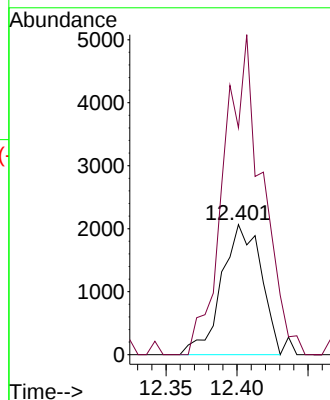
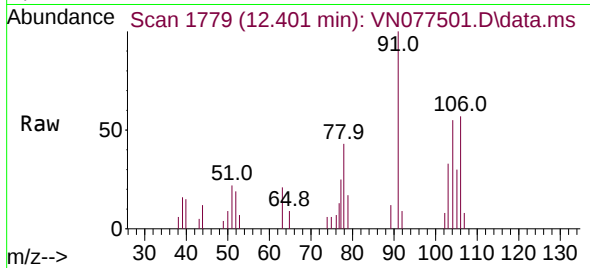




#68
o-Xylene
Concen: 0.299 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

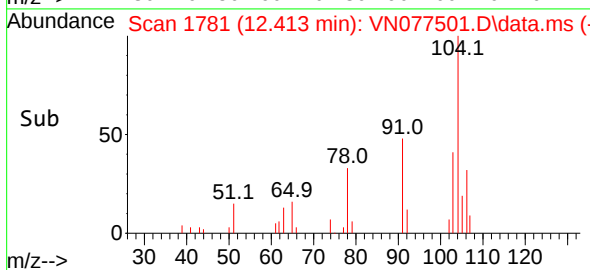
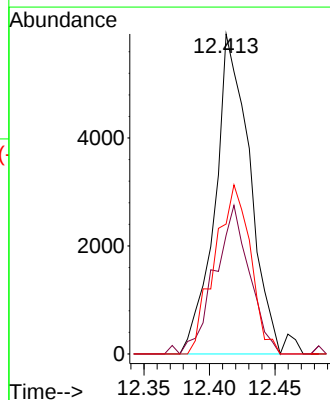
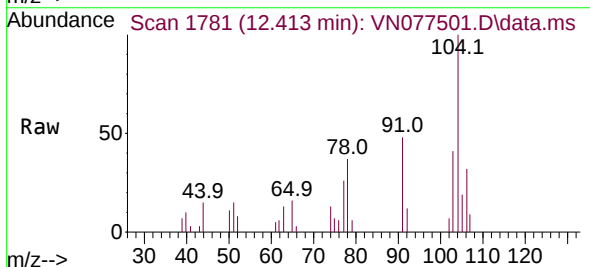
Instrument :
MSVOA_N
ClientSampleId :
IBLK

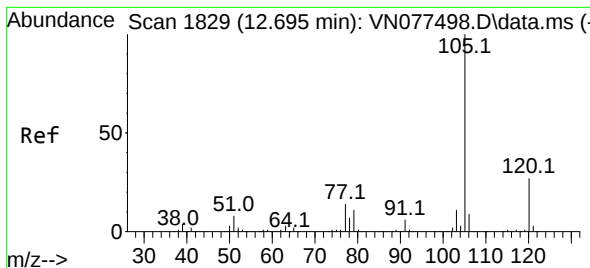
Tgt Ion:106 Resp: 4001
Ion Ratio Lower Upper
106 100
91 238.2 103.6 310.8



#69
Styrene
Concen: 0.509 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion:104 Resp: 10896
Ion Ratio Lower Upper
104 100
78 46.4 38.2 57.4
103 54.7 43.6 65.4





#70

Isopropylbenzene

Concen: 0.321 ug/l

RT: 12.695 min Scan# 1829

Delta R.T. 0.000 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

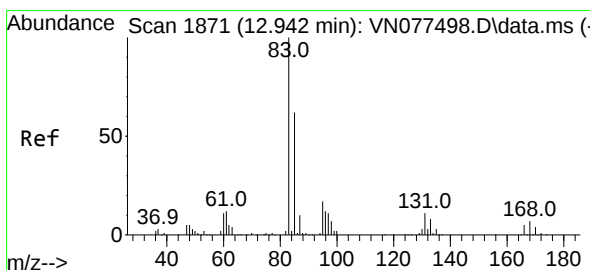
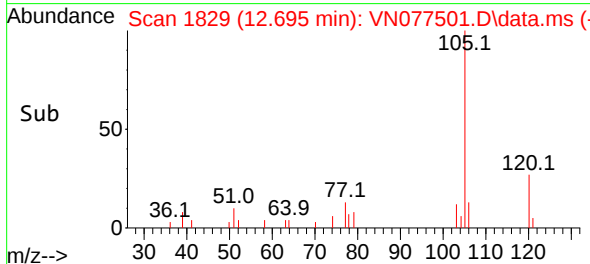
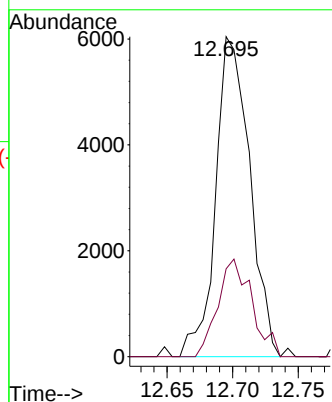
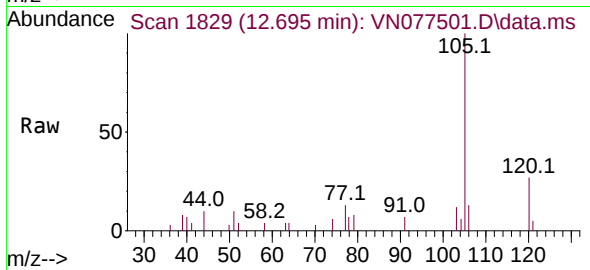
IBLK

Tgt Ion:105 Resp: 10902

Ion Ratio Lower Upper

105 100

120 29.0 18.3 34.1



#71

1,1,2,2-Tetrachloroethane

Concen: 0.342 ug/l

RT: 12.930 min Scan# 1869

Delta R.T. -0.012 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

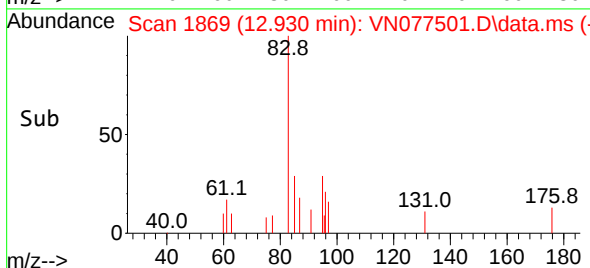
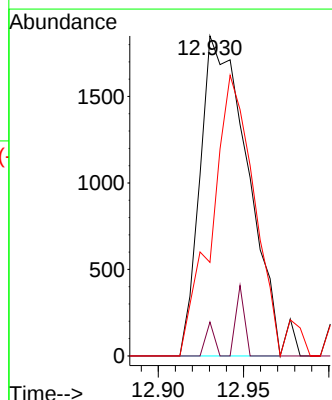
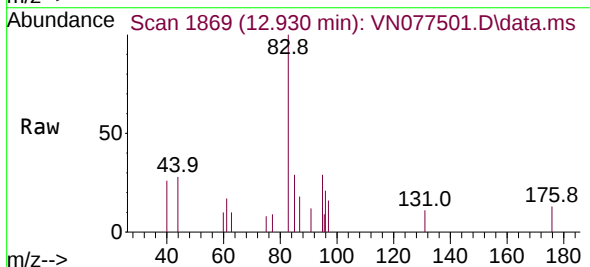
Tgt Ion: 83 Resp: 3552

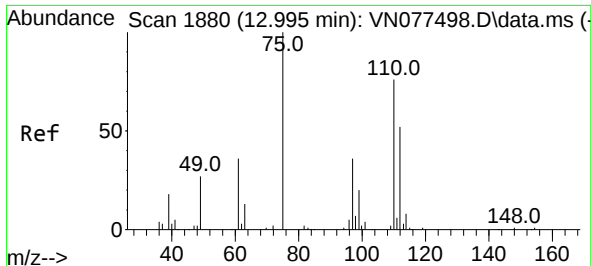
Ion Ratio Lower Upper

83 100

131 3.5 4.7 14.0#

85 78.0 32.3 96.8

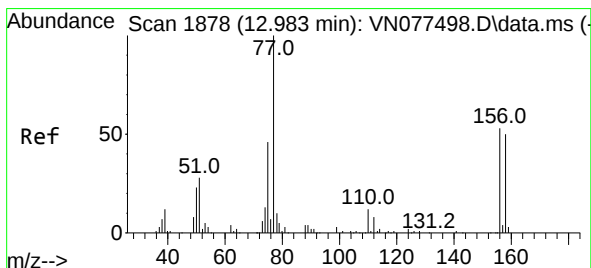
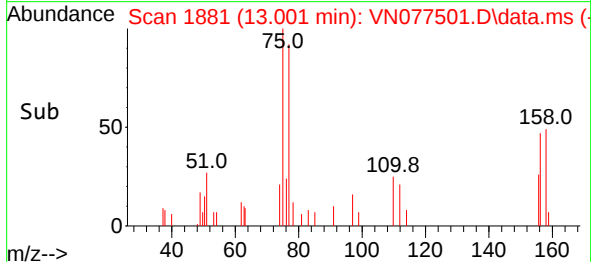
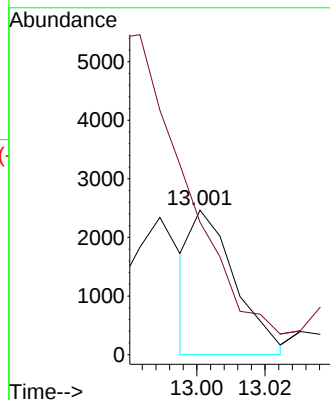
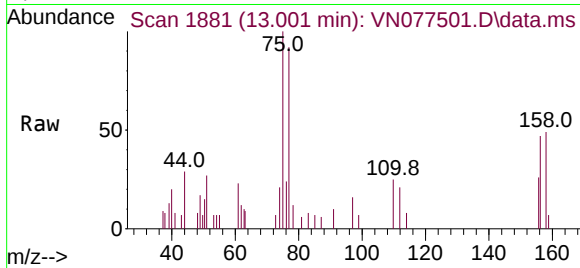




#72
1,2,3-Trichloropropane
Concen: 0.311 ug/l
RT: 13.001 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

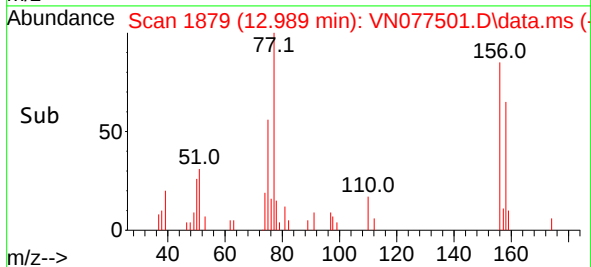
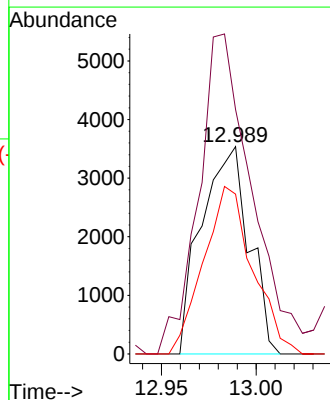
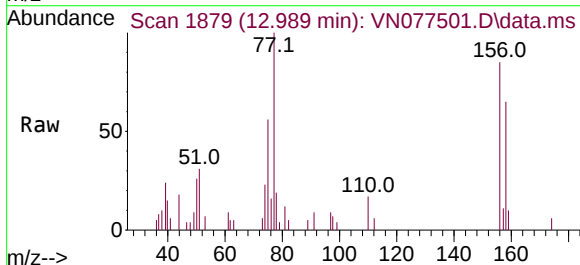
Instrument :
MSVOA_N
ClientSampleId :
IBLK

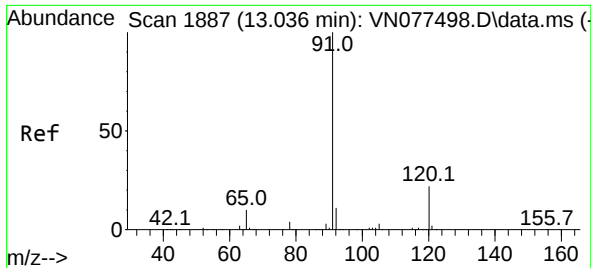
Tgt Ion: 75 Resp: 2195
Ion Ratio Lower Upper
75 100
77 0.0 0.0 434.2



#73
Bromobenzene
Concen: 0.900 ug/l
RT: 12.989 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 156 Resp: 6204
Ion Ratio Lower Upper
156 100
77 171.7 0.0 456.6
158 83.2 0.0 195.6

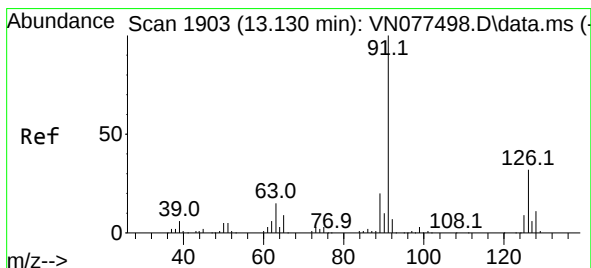
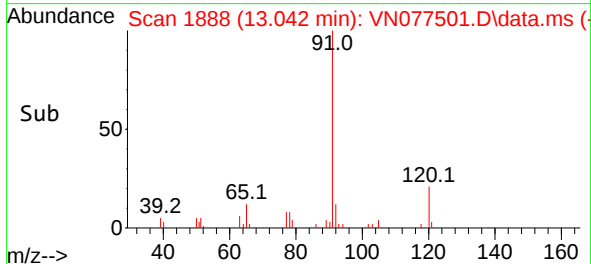
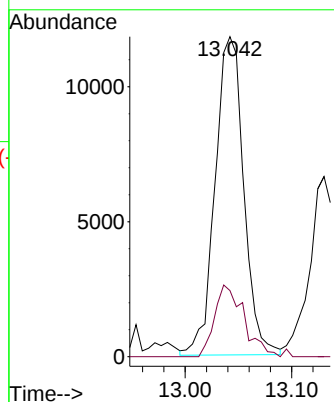
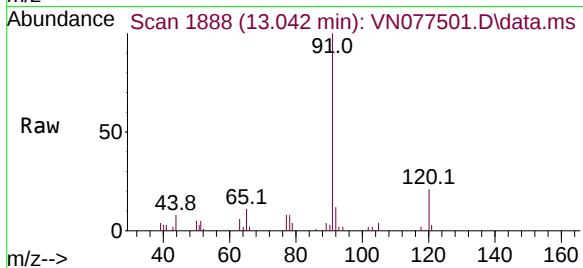




#74
n-propylbenzene
Concen: 0.587 ug/l
RT: 13.042 min Scan# 1887
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

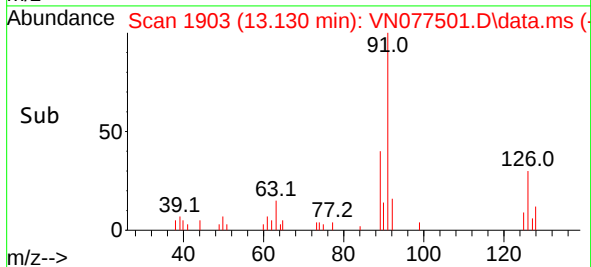
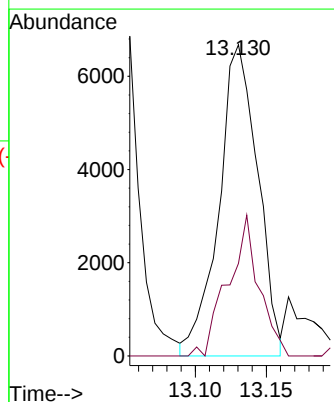
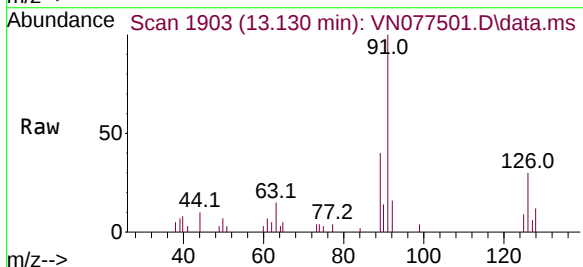
Instrument :
MSVOA_N
ClientSampleId :
IBLK

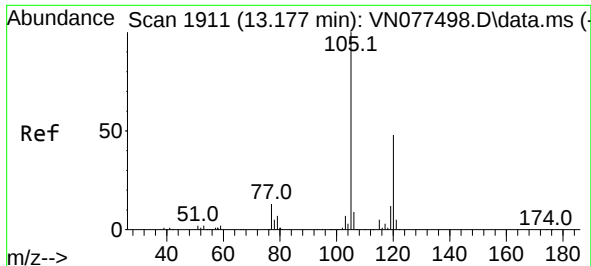
Tgt Ion: 91 Resp: 22024
Ion Ratio Lower Upper
91 100
120 20.6 0.0 45.6



#75
2-Chlorotoluene
Concen: 0.564 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 91 Resp: 12673
Ion Ratio Lower Upper
91 100
126 35.7 0.0 67.0

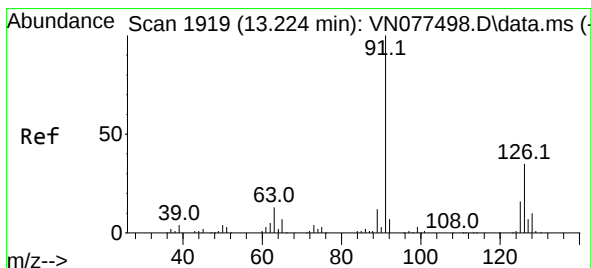
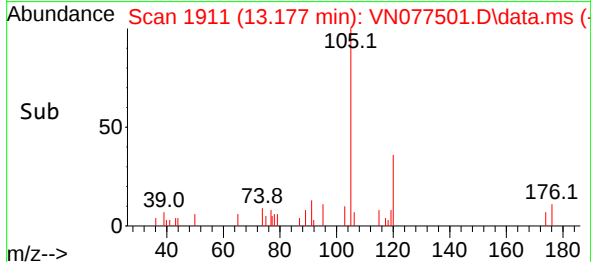
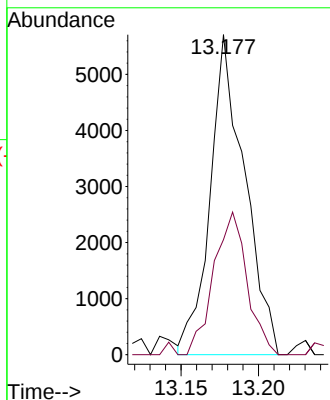
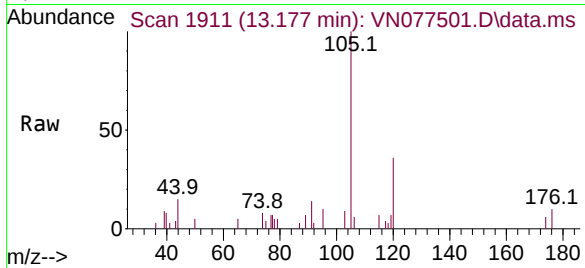




#76
1,3,5-Trimethylbenzene
Concen: 0.320 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

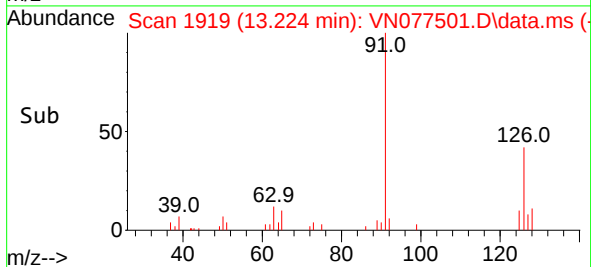
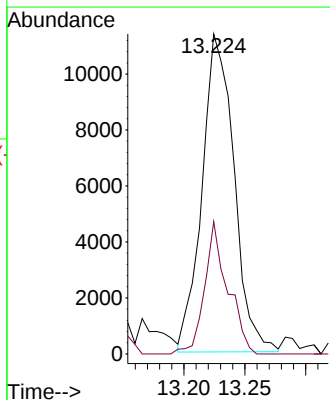
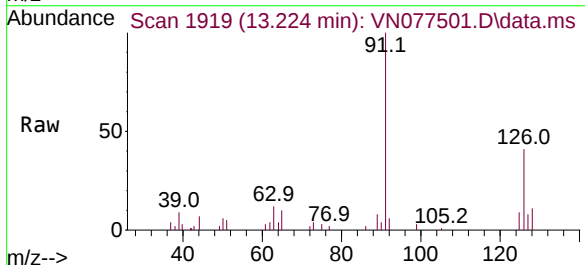
Instrument :
MSVOA_N
ClientSampleId :
IBLK

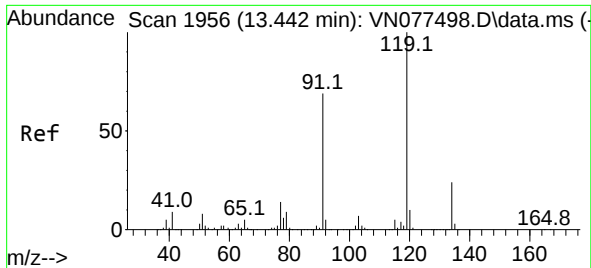
Tgt Ion:105 Resp: 8835
Ion Ratio Lower Upper
105 100
120 43.0 0.0 94.4



#78
4-Chlorotoluene
Concen: 0.979 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 91 Resp: 20797
Ion Ratio Lower Upper
91 100
126 29.5 0.0 67.4





#79

tert-butylbenzene

Concen: 0.395 ug/l

RT: 13.436 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

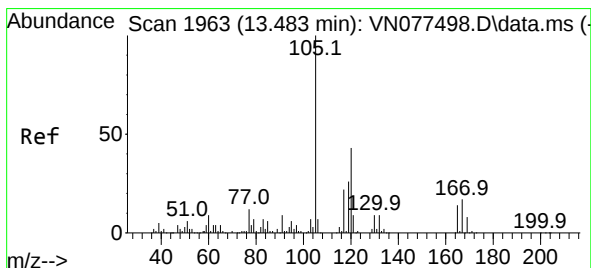
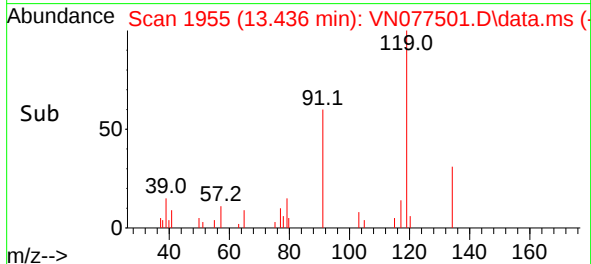
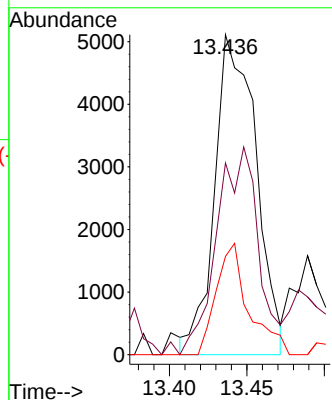
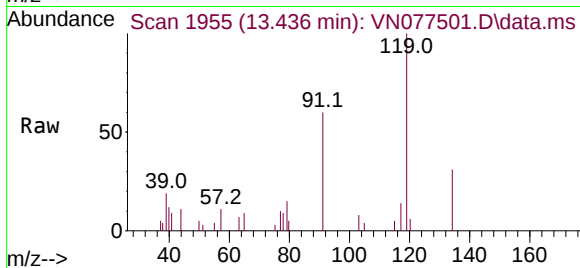
Tgt Ion:119 Resp: 9490

Ion Ratio Lower Upper

119 100

91 65.0 0.0 131.0

134 27.2 0.0 49.8



#80

1,2,4-Trimethylbenzene

Concen: 0.405 ug/l

RT: 13.489 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VN077501.D

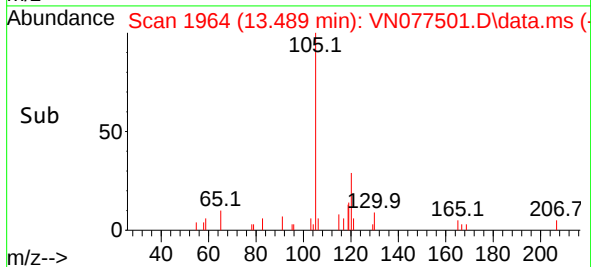
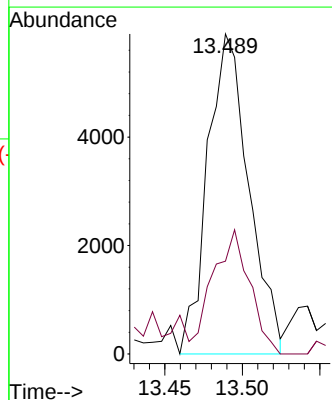
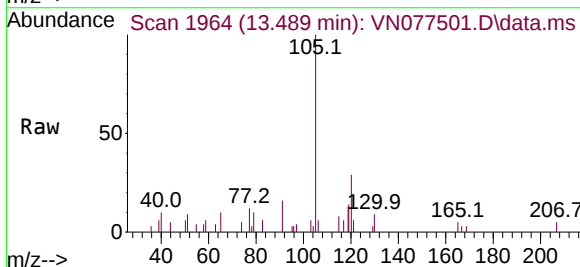
Acq: 28 Apr 2023 13:34

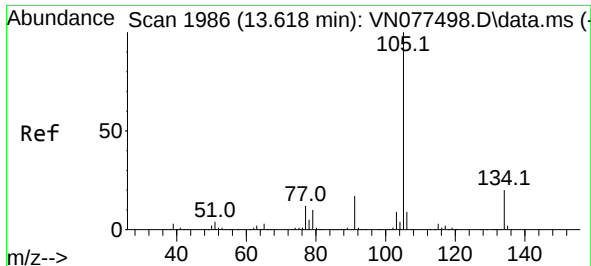
Tgt Ion:105 Resp: 10914

Ion Ratio Lower Upper

105 100

120 34.6 0.0 91.0

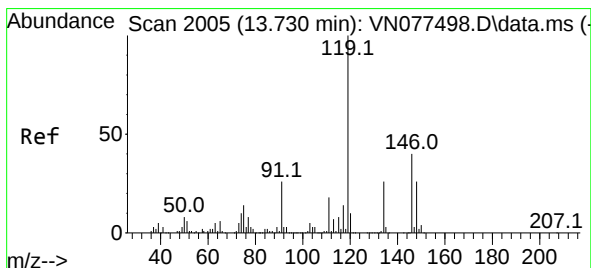
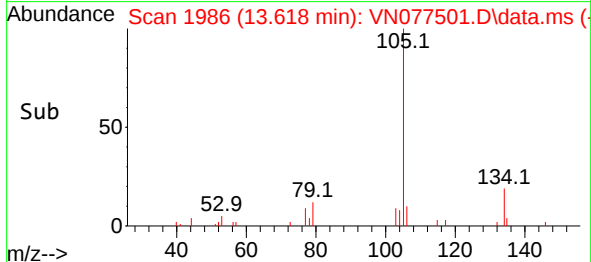
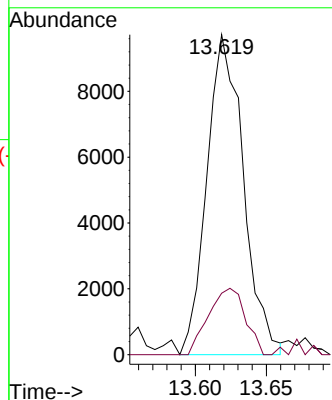
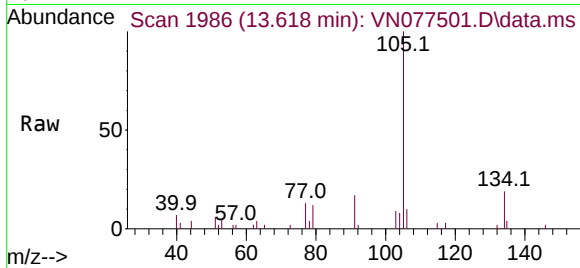




#81
 sec-Butylbenzene
 Concen: 0.506 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN077501.D
 Acq: 28 Apr 2023 13:34

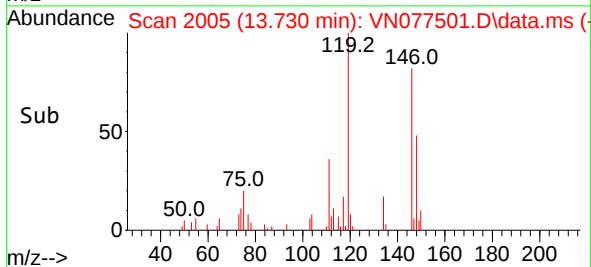
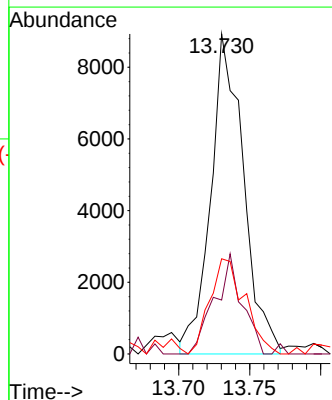
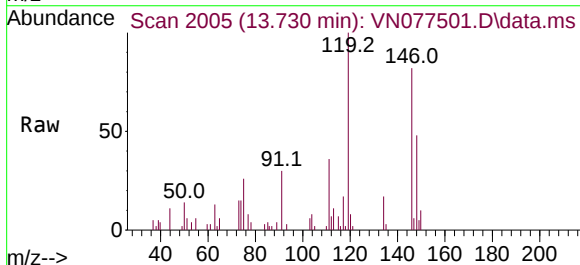
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

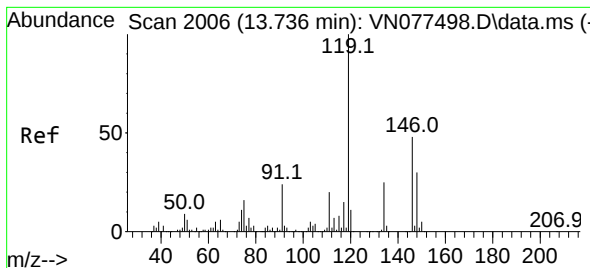
Tgt Ion:105 Resp: 17365
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 0.519 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN077501.D
 Acq: 28 Apr 2023 13:34

Tgt Ion:119 Resp: 14274
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 51.0
 91 31.8 0.0 48.0





#83

1,3-Dichlorobenzene

Concen: 1.256 ug/l

RT: 13.736 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

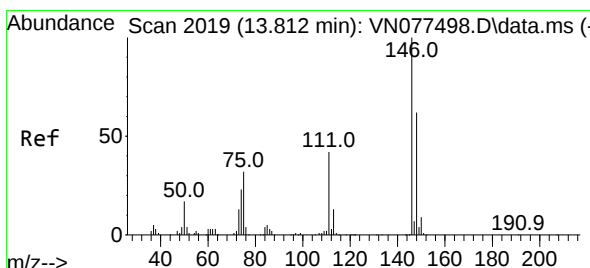
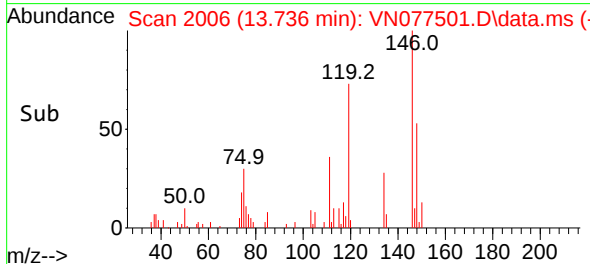
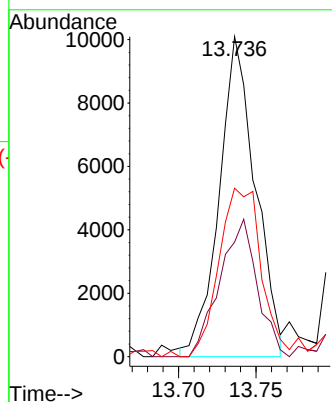
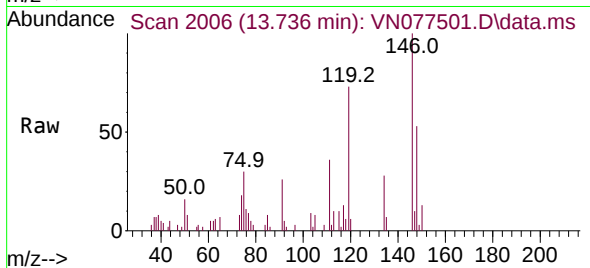
Tgt Ion:146 Resp: 16417

Ion Ratio Lower Upper

146 100

111 44.3 21.4 64.2

148 60.9 31.9 95.5



#84

1,4-Dichlorobenzene

Concen: 1.556 ug/l

RT: 13.819 min Scan# 2020

Delta R.T. 0.005 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

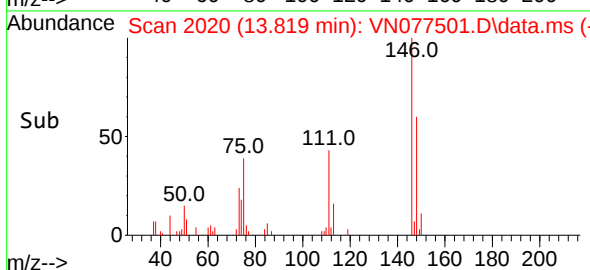
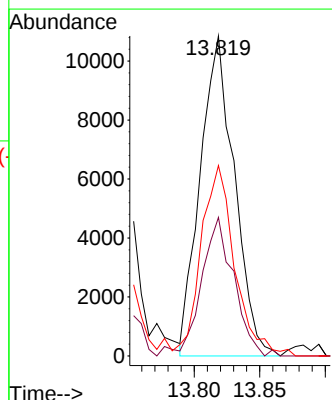
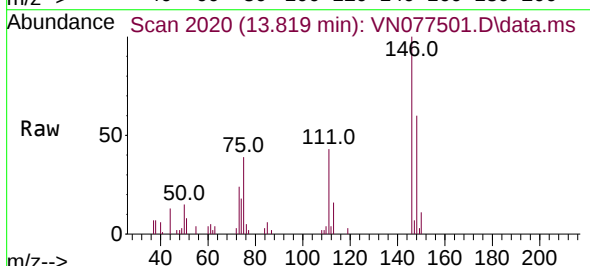
Tgt Ion:146 Resp: 19736

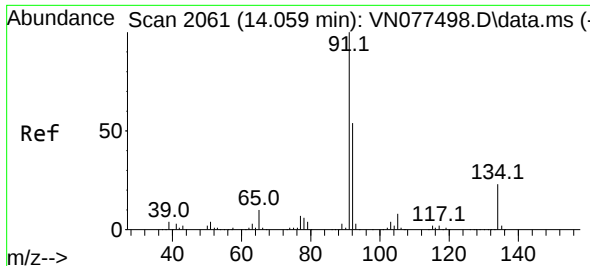
Ion Ratio Lower Upper

146 100

111 39.5 20.3 61.0

148 58.1 31.6 94.7

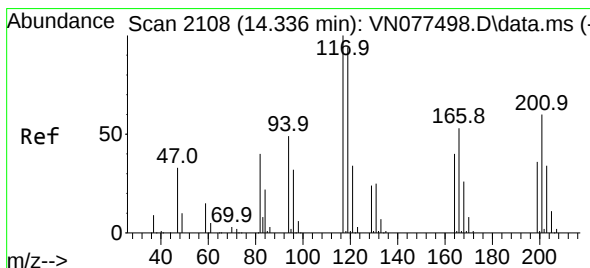
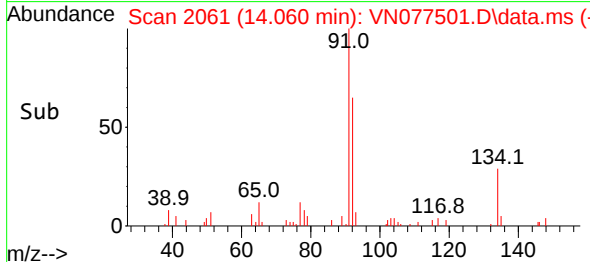
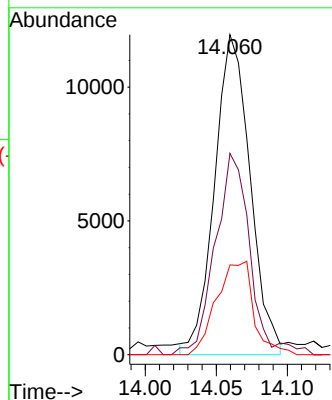
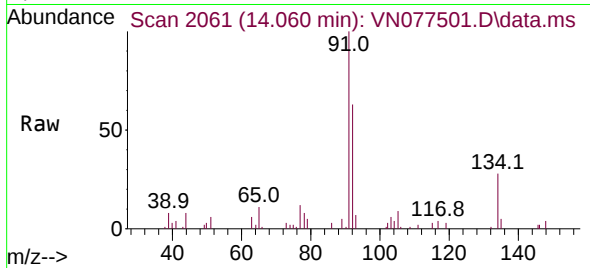




#85
n-Butylbenzene
Concen: 0.915 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

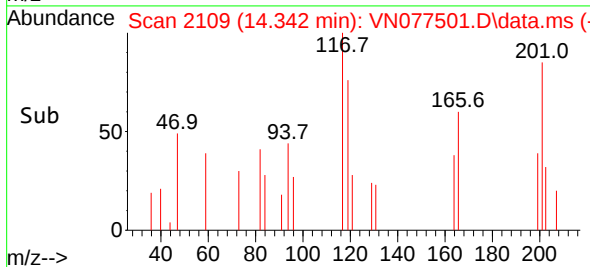
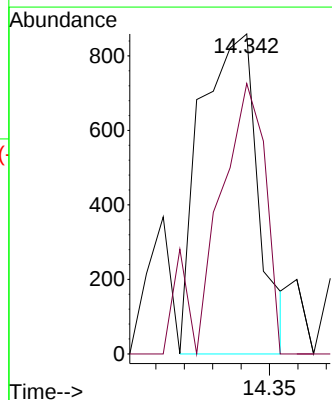
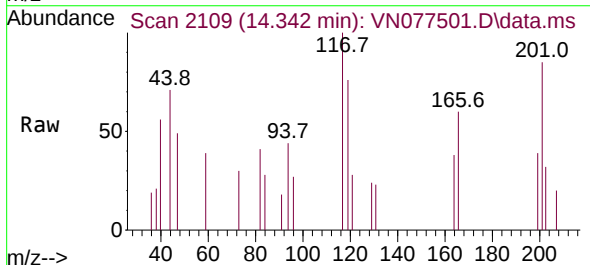
Instrument :
MSVOA_N
ClientSampleId :
IBLK

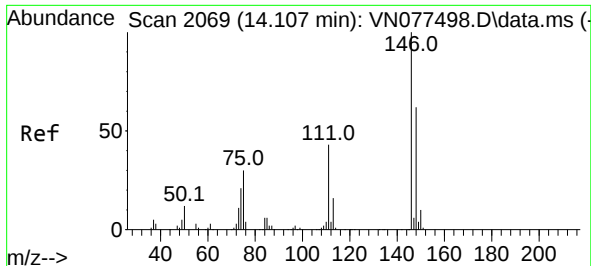
Tgt Ion: 91 Resp: 20799
Ion Ratio Lower Upper
91 100
92 59.2 0.0 105.6
134 30.4 0.0 49.4



#86
Hexachloroethane
Concen: 0.209 ug/l
RT: 14.342 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion: 117 Resp: 1220
Ion Ratio Lower Upper
117 100
201 63.0 29.1 87.4





#87

1,2-Dichlorobenzene

Concen: 1.071 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

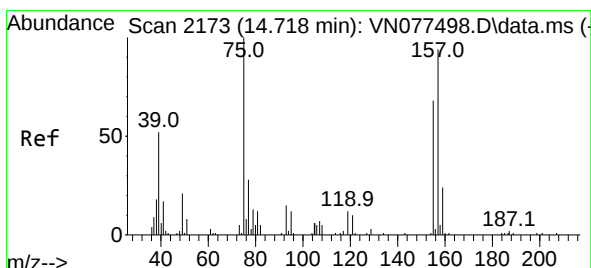
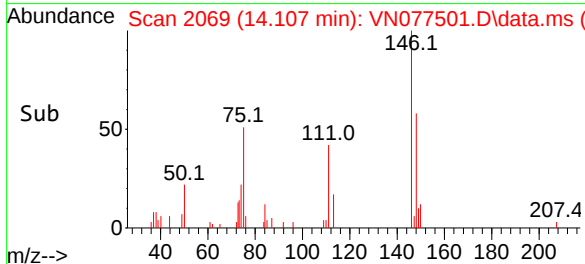
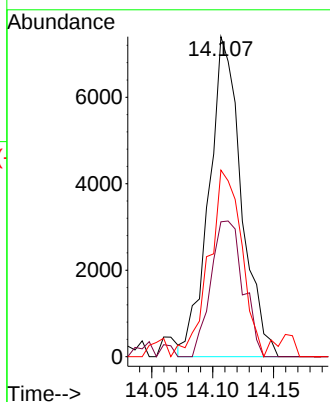
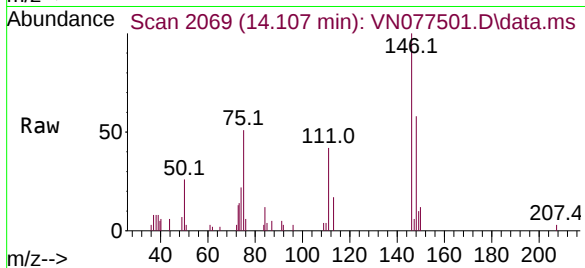
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:	146	Resp:	13710
Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.1	66.5
148	58.6	31.9	95.7



#88

1,2-Dibromo-3-Chloropropane

Concen: 1.887 ug/l

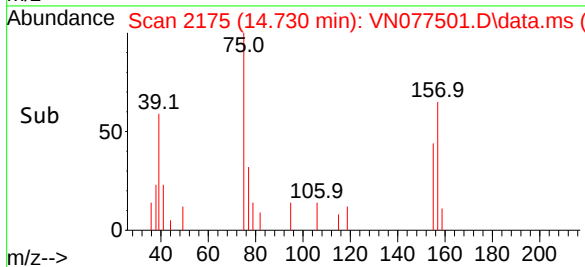
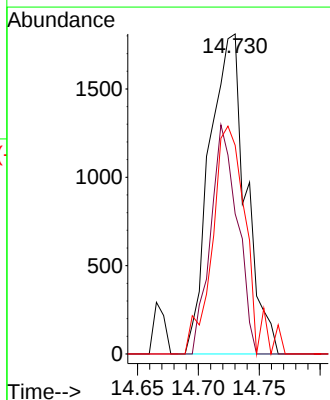
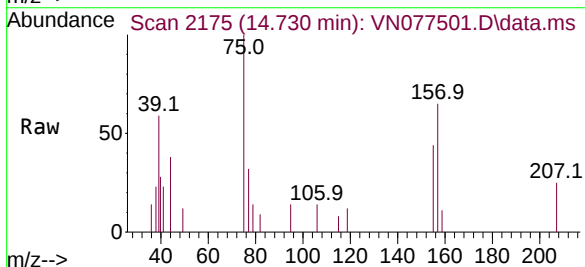
RT: 14.730 min Scan# 2175

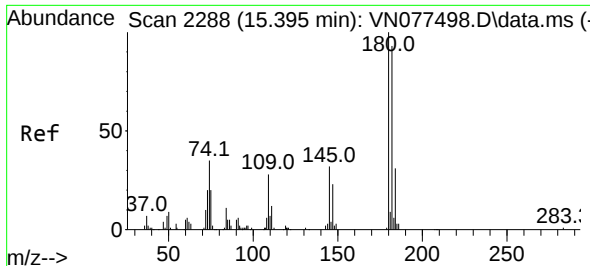
Delta R.T. 0.012 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Tgt Ion:	75	Resp:	3758
Ion	Ratio	Lower	Upper
75	100		
155	52.9	67.8	101.6#
157	61.9	86.3	129.5#

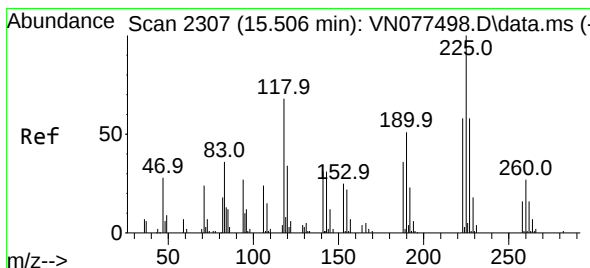
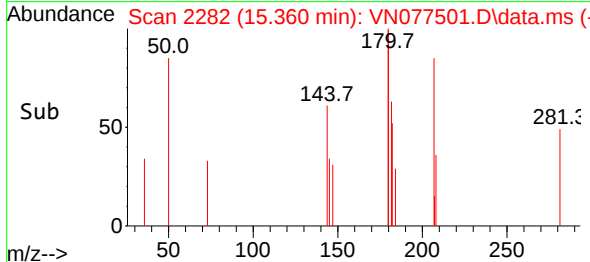
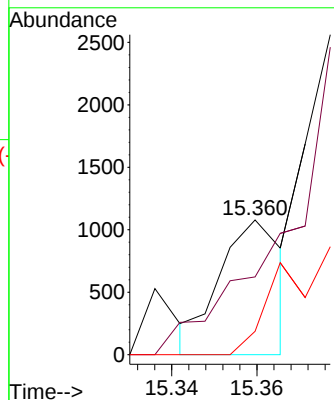
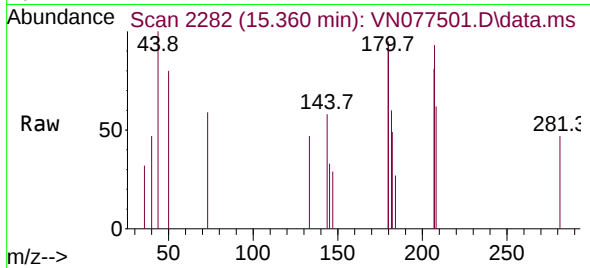




#89
1,2,4-Trichlorobenzene
Concen: 0.218 ug/l
RT: 15.360 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

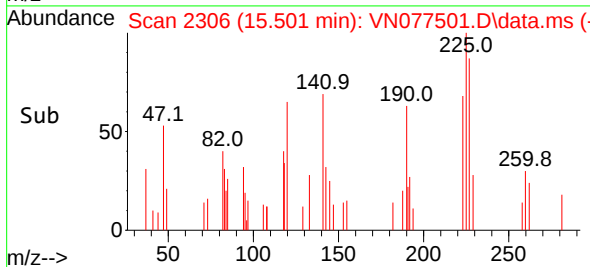
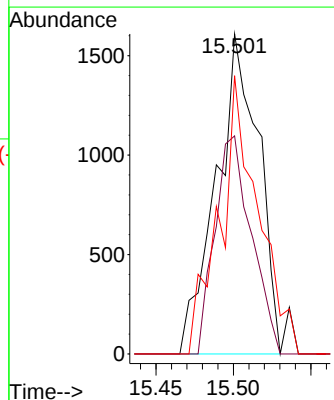
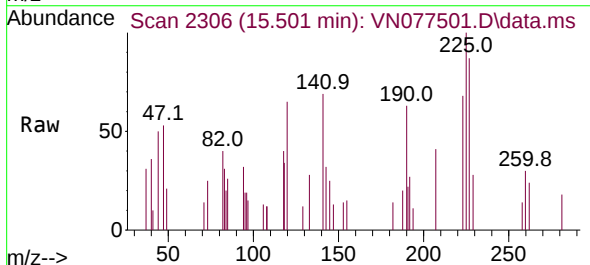
Instrument :
MSVOA_N
ClientSampleId :
IBLK

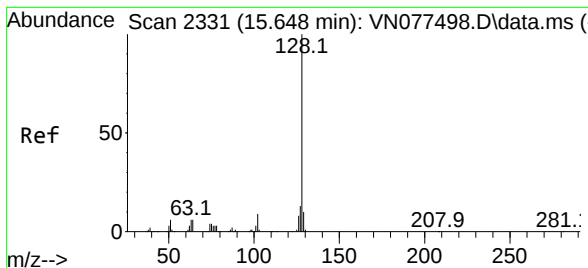
Tgt Ion:180 Resp: 1100
Ion Ratio Lower Upper
180 100
182 0.0 75.6 113.4#
145 0.0 26.7 40.1#



#90
Hexachlorobutadiene
Concen: 1.178 ug/l
RT: 15.501 min Scan# 2306
Delta R.T. 0.036 min
Lab File: VN077501.D
Acq: 28 Apr 2023 13:34

Tgt Ion:225 Resp: 3043
Ion Ratio Lower Upper
225 100
223 59.0 0.0 126.0
227 79.0 0.0 127.2





#91

Naphthalene

Concen: 3.457 ug/l

RT: 15.642 min Scan# 21

Delta R.T. 0.053 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

IBLK

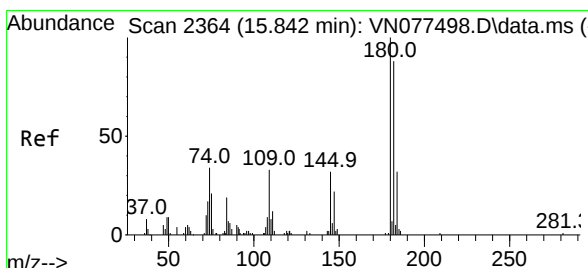
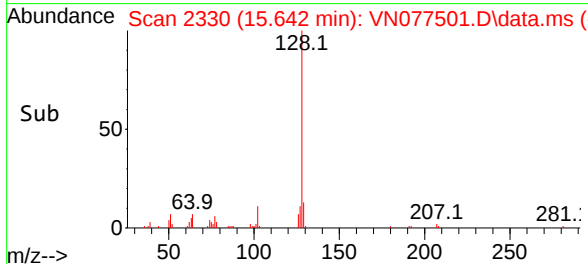
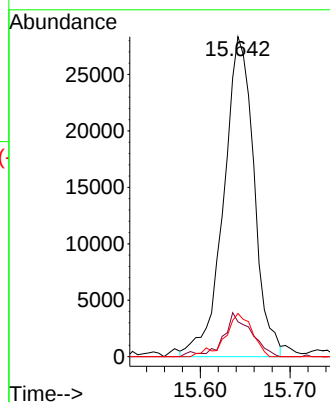
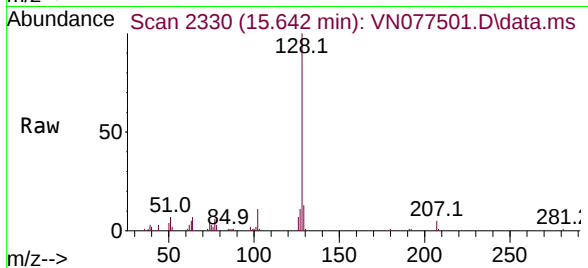
Tgt Ion:128 Resp: 66530

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

129 11.1 8.9 13.3



#92

1,2,3-Trichlorobenzene

Concen: 4.041 ug/l

RT: 15.836 min Scan# 2363

Delta R.T. 0.082 min

Lab File: VN077501.D

Acq: 28 Apr 2023 13:34

Tgt Ion:180 Resp: 19861

Ion Ratio Lower Upper

180 100

182 55.4 0.0 190.4

145 33.1 0.0 72.4

