

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111423\
 Data File : VN080088.D
 Acq On : 14 Nov 2023 14:51
 Operator : JC\MD
 Sample : 05386-01 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 03:56:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	170597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	328289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	346420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154193	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	152484	58.668	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.340%
35) Dibromofluoromethane	8.171	113	119141	51.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.560%
50) Toluene-d8	10.571	98	417370	48.795	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.580%
62) 4-Bromofluorobenzene	12.853	95	164102	57.847	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.700%

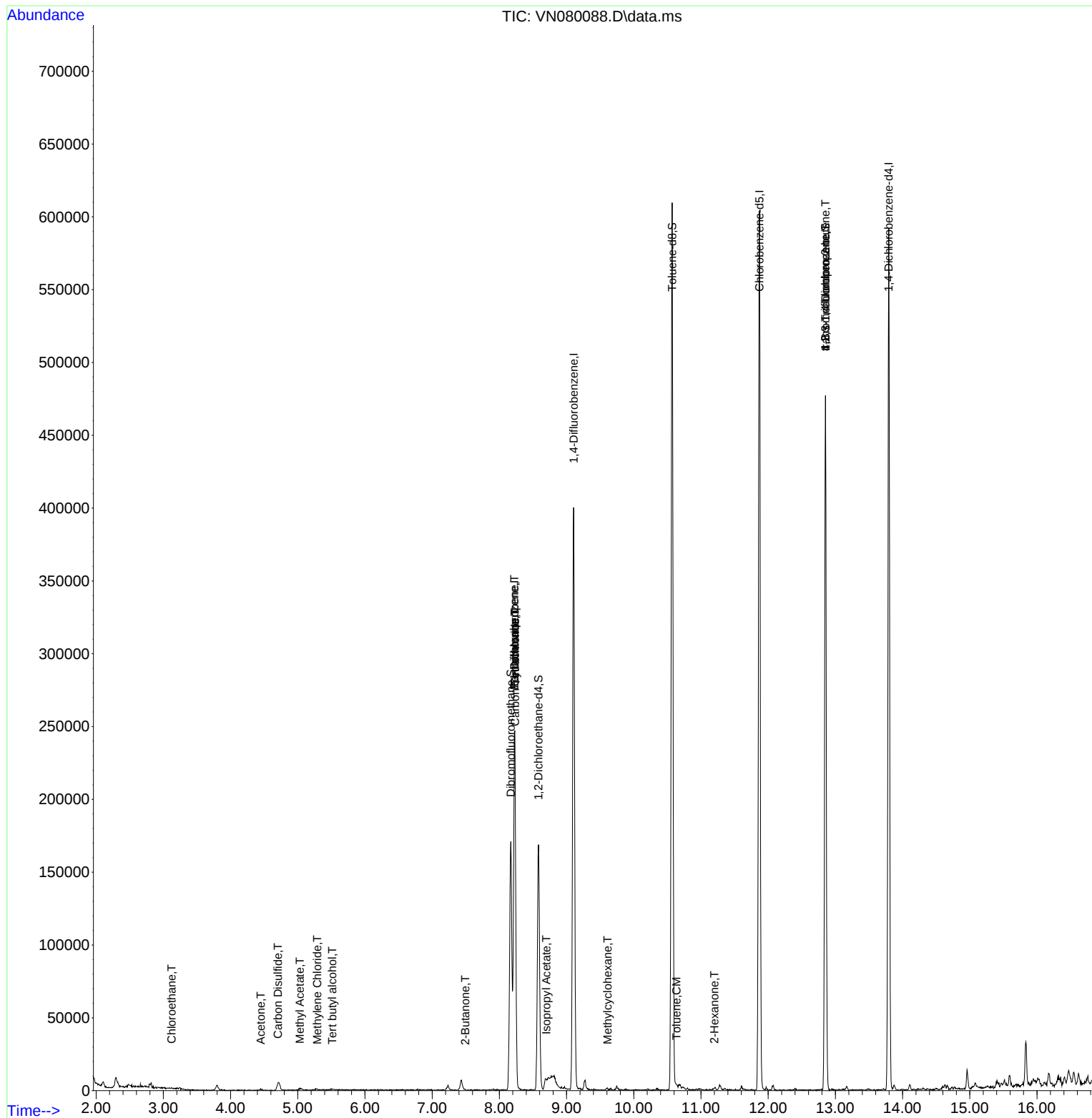
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.365	50	477	Below Cal	#	42
6) Chloroethane	3.124	64	820	0.386	ug/l #	43
11) Tert butyl alcohol	5.512	59	341	1.028	ug/l #	72
16) Acetone	4.447	43	1741	1.907	ug/l #	40
17) Carbon Disulfide	4.706	76	13530	2.554	ug/l #	95
18) Methyl Acetate	5.030	43	1736	0.397	ug/l #	42
20) Methylene Chloride	5.289	84	501	0.217	ug/l #	38
25) 2-Butanone	7.494	43	321	0.240	ug/l #	37
31) Cyclohexane	8.230	56	4896	1.426	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	14935	4.502	ug/l #	49
38) Carbon Tetrachloride	8.235	117	20191	6.039	ug/l #	16
39) Methylcyclohexane	9.612	83	663	0.212	ug/l #	23
43) Isopropyl Acetate	8.700	43	5562	1.042	ug/l #	49
52) Toluene	10.635	92	1420	0.241	ug/l	96
59) 2-Hexanone	11.200	43	520	0.226	ug/l #	19
76) 1,2,3-Trichloropropane	12.853	75	91149	25.179	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	91149	68.507	ug/l #	15

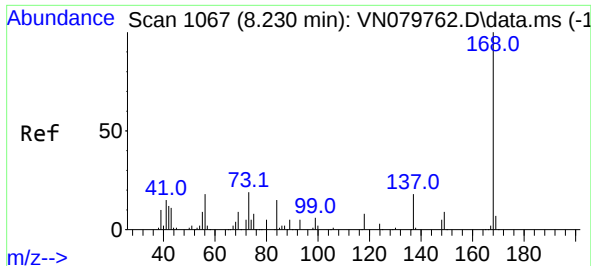
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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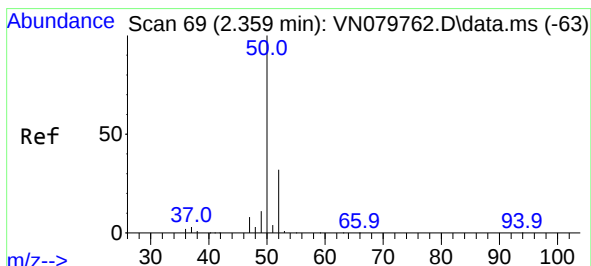
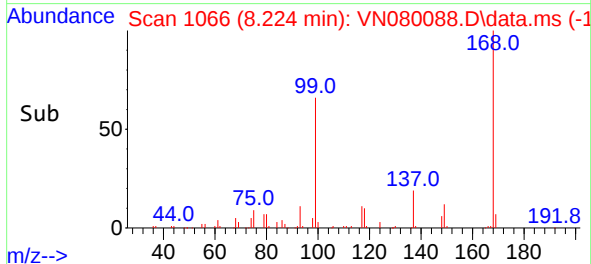
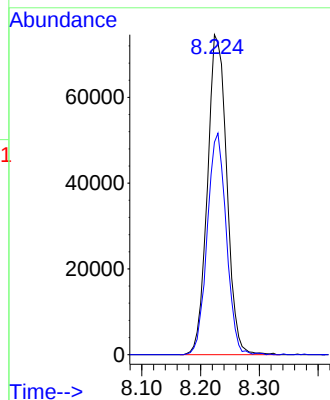
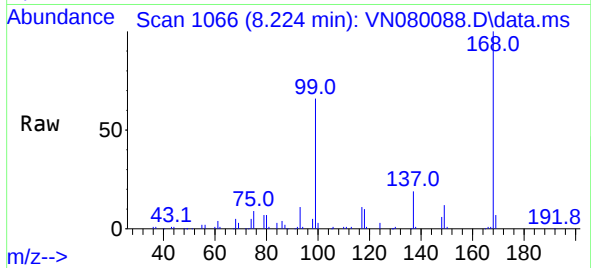




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

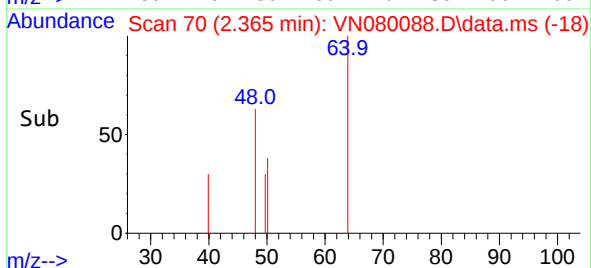
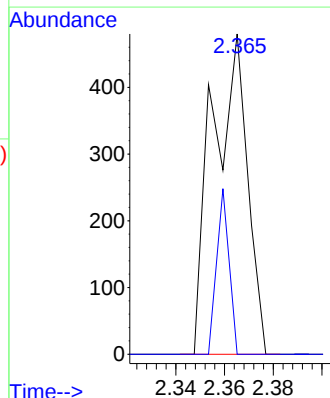
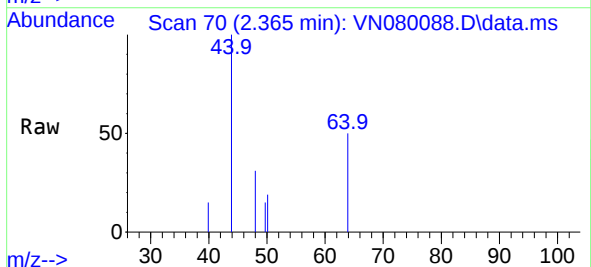
Instrument :
MSVOA_N
ClientSampleId :

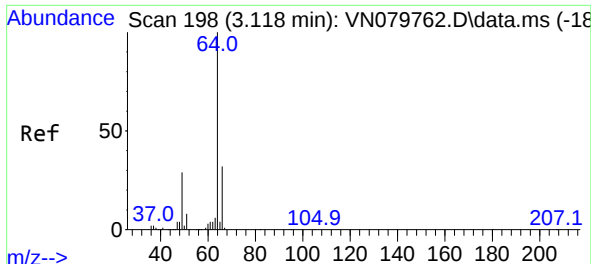
Tgt Ion:168 Resp: 170597
Ion Ratio Lower Upper
168 100
99 66.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Tgt Ion: 50 Resp: 477
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

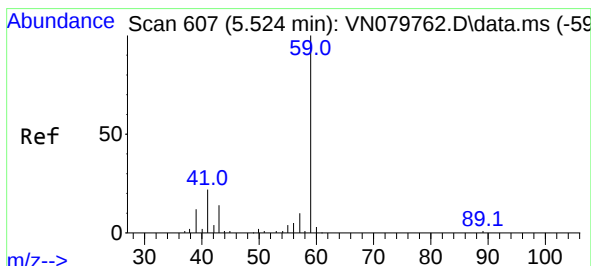
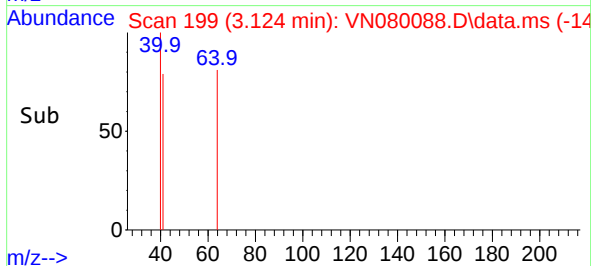
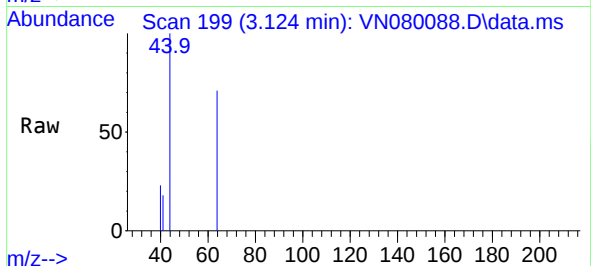




#6
Chloroethane
Concen: 0.386 ug/l
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

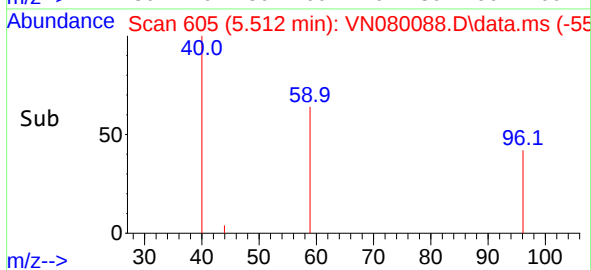
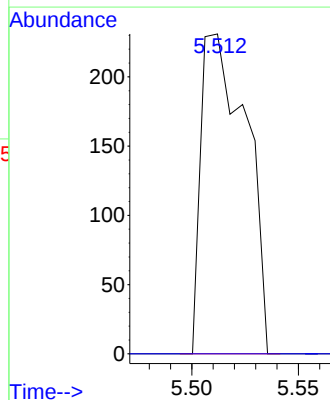
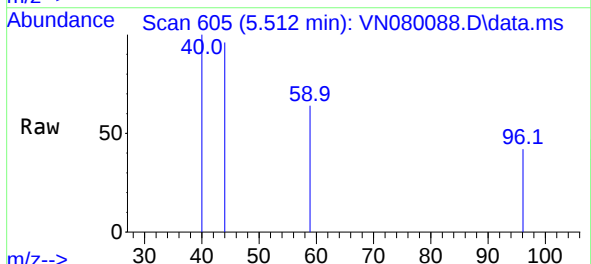
Instrument :
MSVOA_N
ClientSampleId :

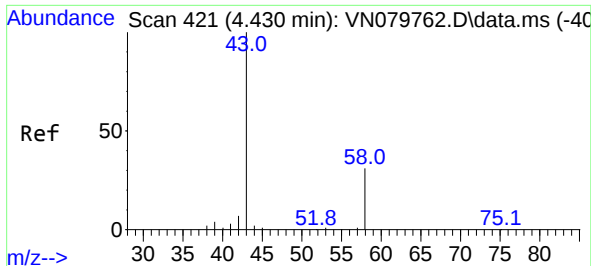
Tgt Ion: 64 Resp: 820
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.028 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

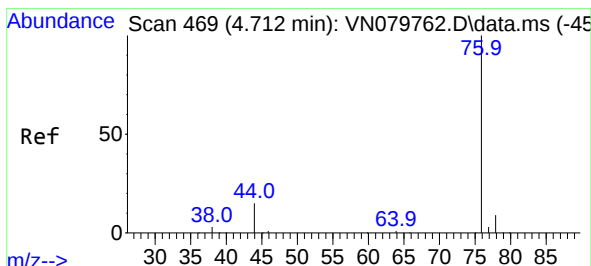
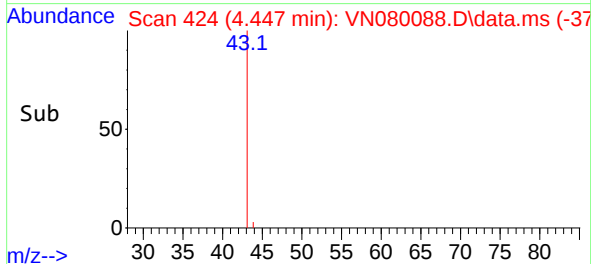
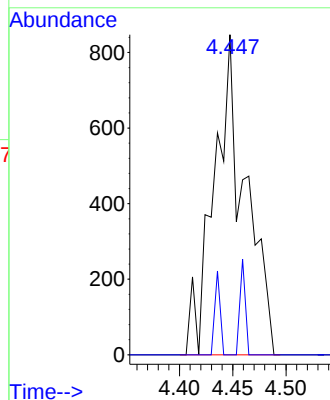
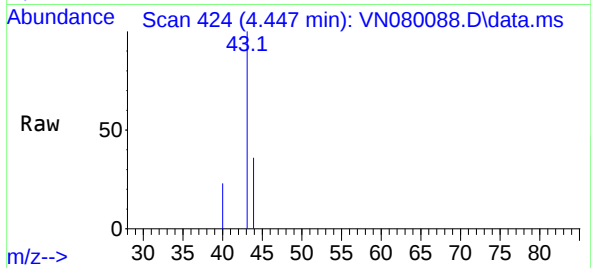




#16
Acetone
Concen: 1.907 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

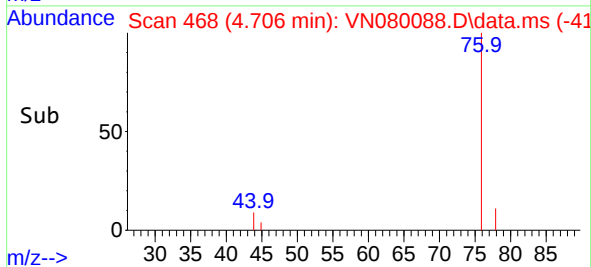
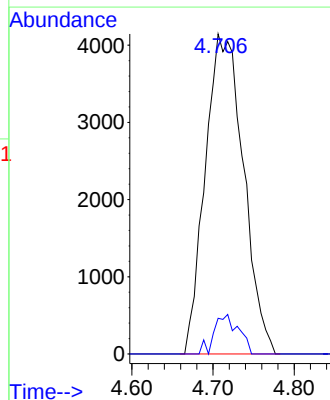
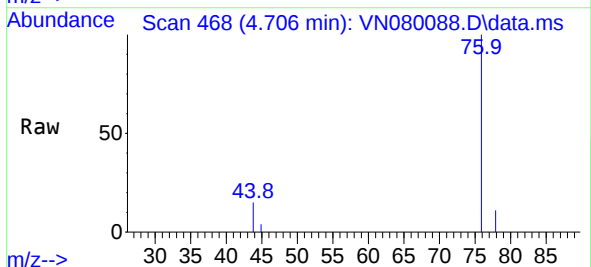
Instrument :
MSVOA_N
ClientSampleId :

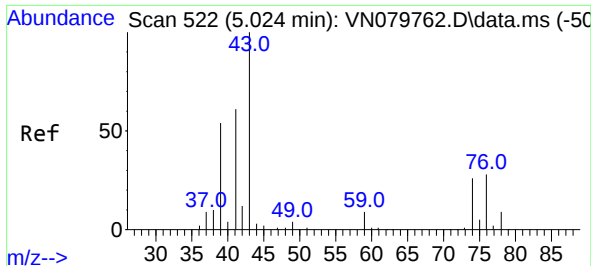
Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 2.554 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

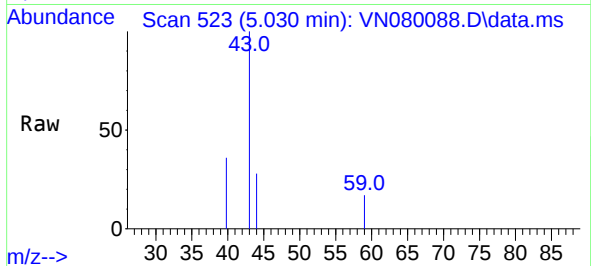
Tgt Ion: 76 Resp: 13530
Ion Ratio Lower Upper
76 100
78 11.2 7.4 11.0#



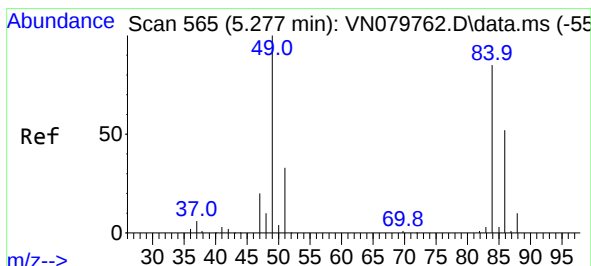
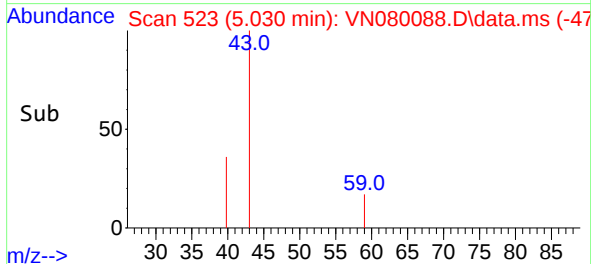
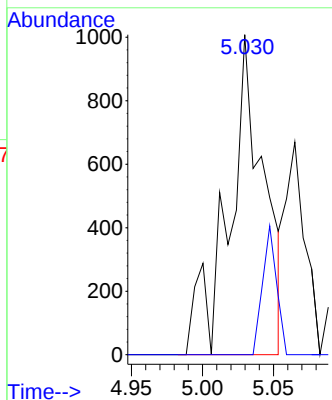


#18
Methyl Acetate
Concen: 0.397 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Instrument :
MSVOA_N
ClientSampleId :

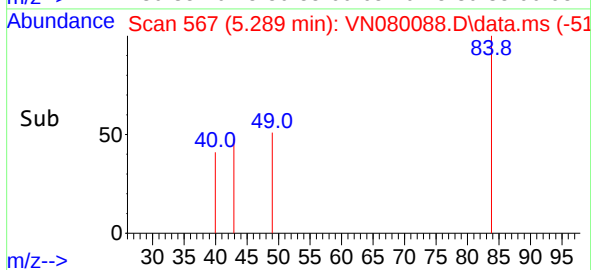
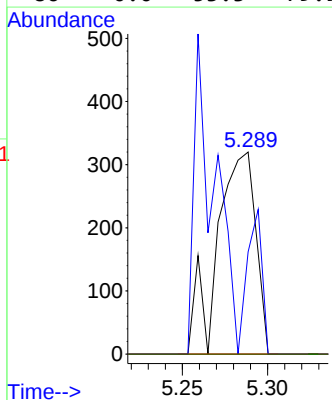
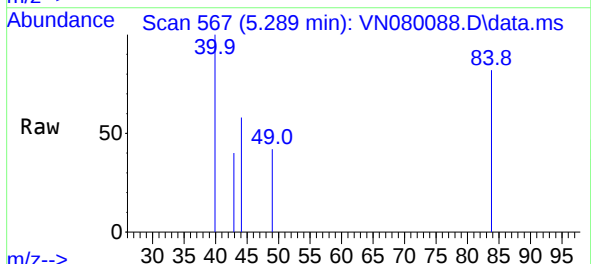


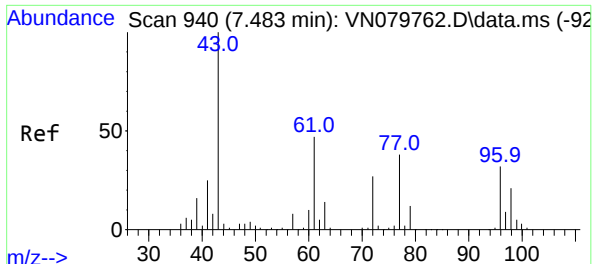
Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Tgt Ion: 84 Resp: 501
Ion Ratio Lower Upper
84 100
49 50.6 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#

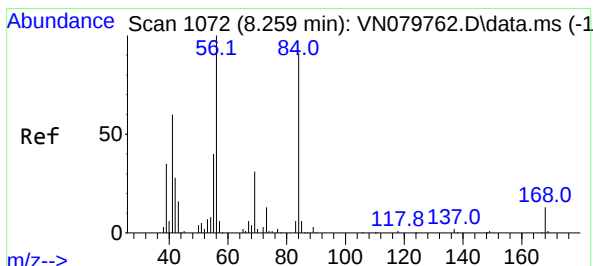
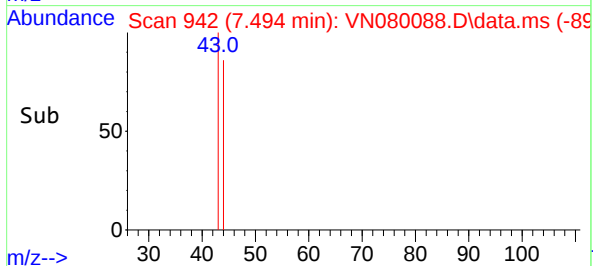
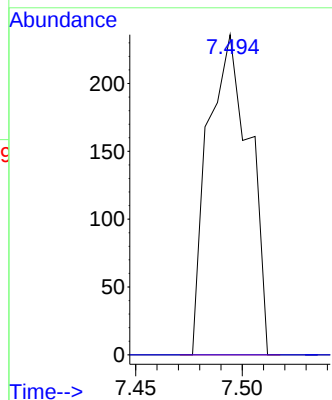
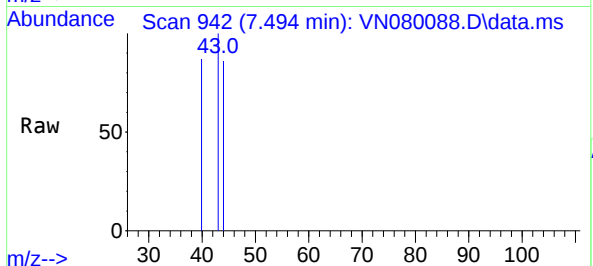




#25
2-Butanone
Concen: 0.240 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

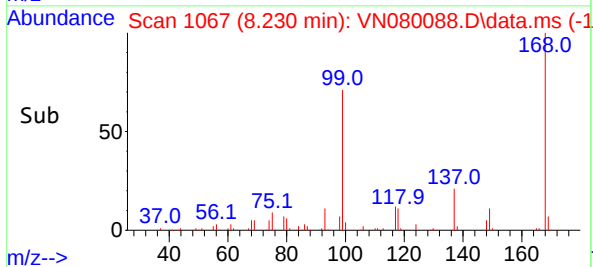
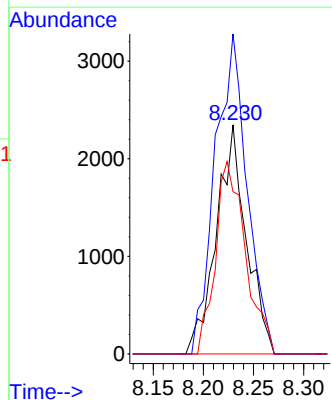
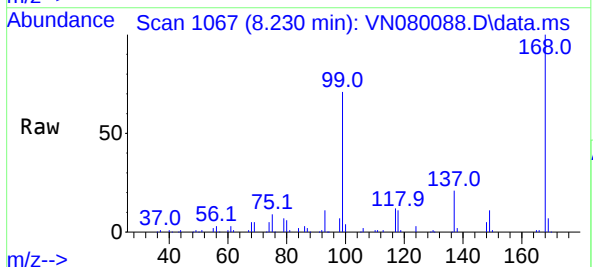
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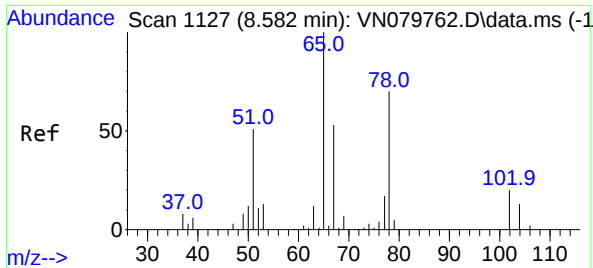
Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.426 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Tgt Ion: 56 Resp: 4896
Ion Ratio Lower Upper
56 100
69 139.7 26.8 40.2#
84 70.9 81.8 122.6#

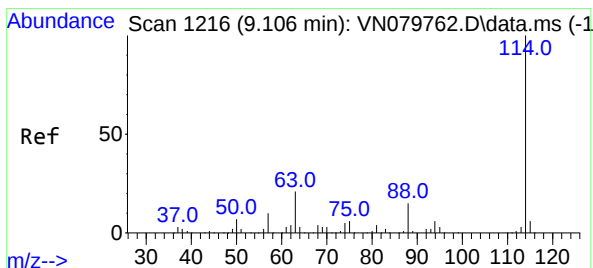
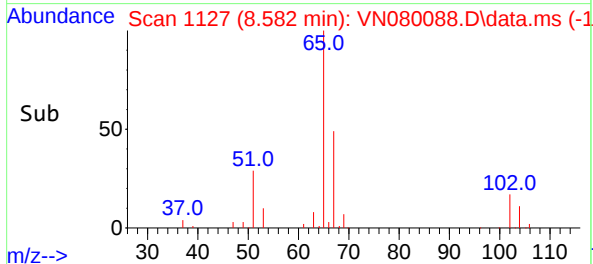
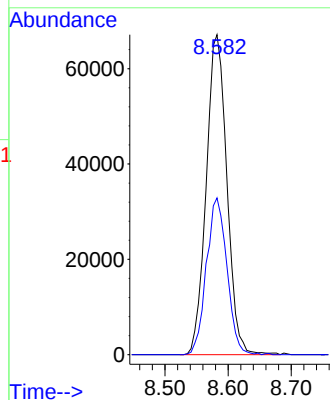
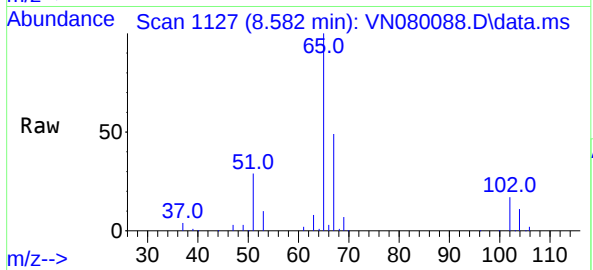




#33
1,2-Dichloroethane-d4
Concen: 58.668 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

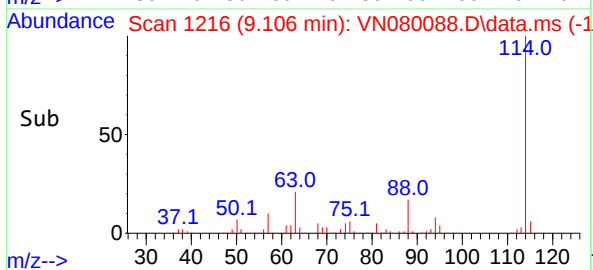
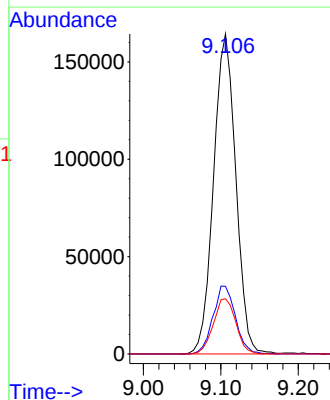
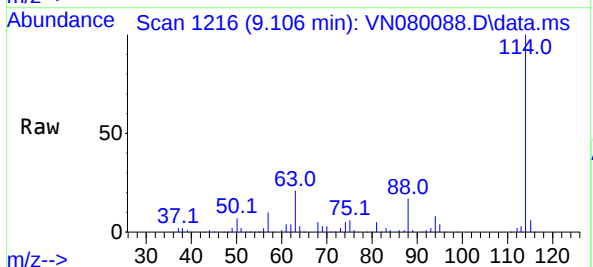
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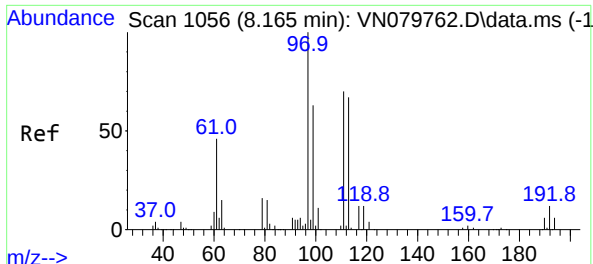
Tgt Ion: 65 Resp: 152484
Ion Ratio Lower Upper
65 100
67 48.7 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

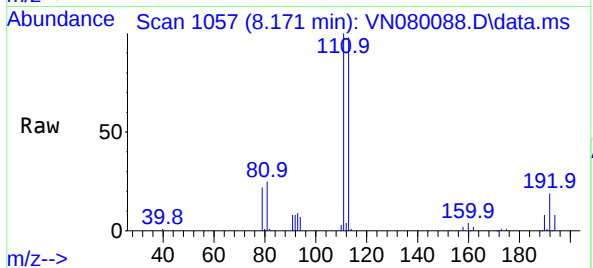
Tgt Ion: 114 Resp: 328289
Ion Ratio Lower Upper
114 100
63 21.1 0.0 36.4
88 17.3 0.0 30.6



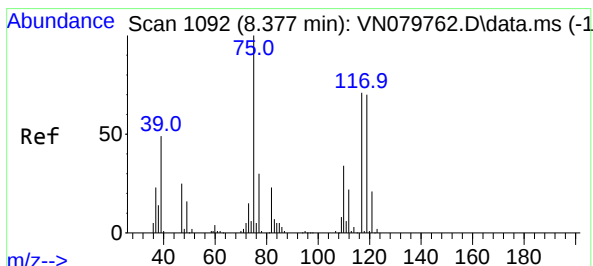
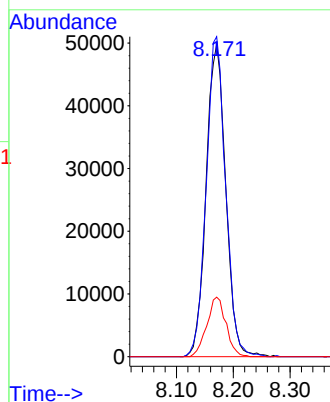
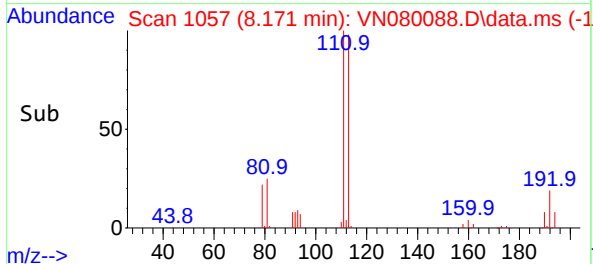


#35
Dibromofluoromethane
Concen: 51.277 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Instrument :
MSVOA_N
ClientSampleId :

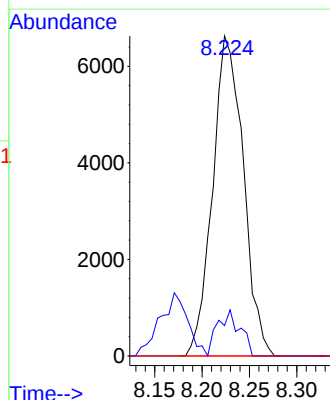
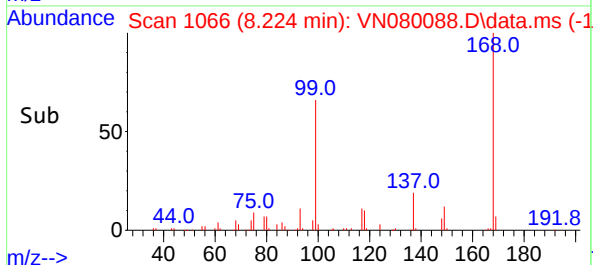
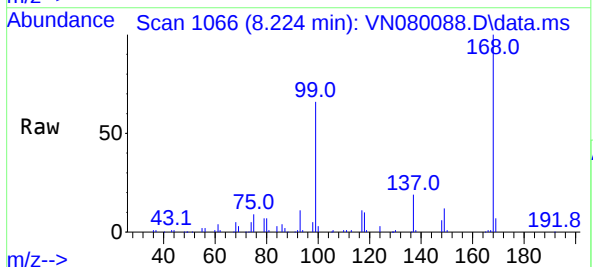


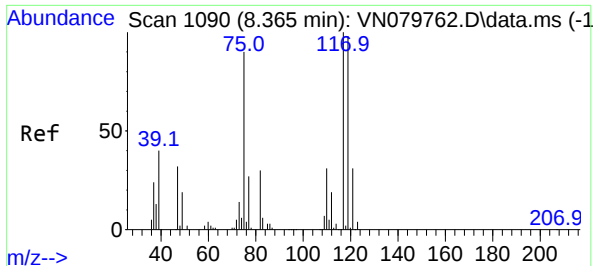
Tgt Ion:113 Resp: 119141
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 18.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.502 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

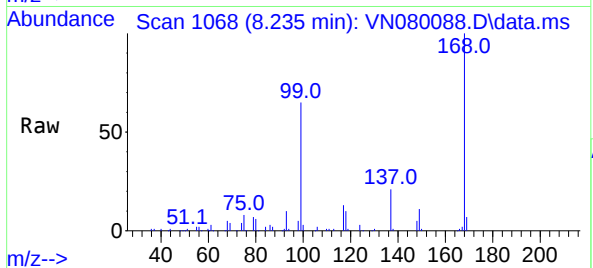
Tgt Ion: 75 Resp: 14935
Ion Ratio Lower Upper
75 100
110 10.5 19.1 57.3#
77 0.0 25.0 37.4#



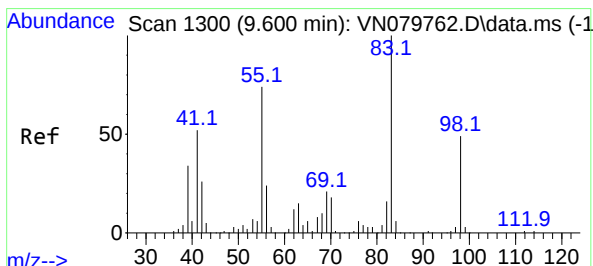
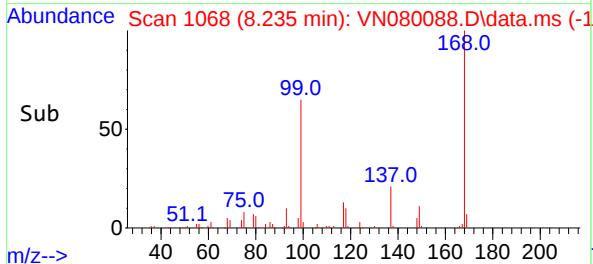
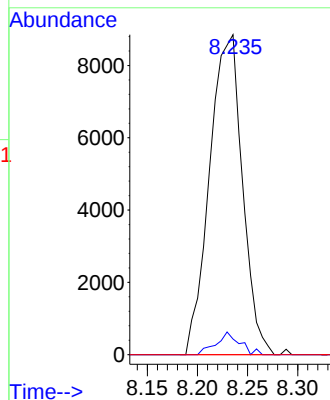


#38
Carbon Tetrachloride
Concen: 6.039 ug/l
RT: 8.235 min Scan# 11
Delta R.T. -0.123 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Instrument :
MSVOA_N
ClientSampleId :

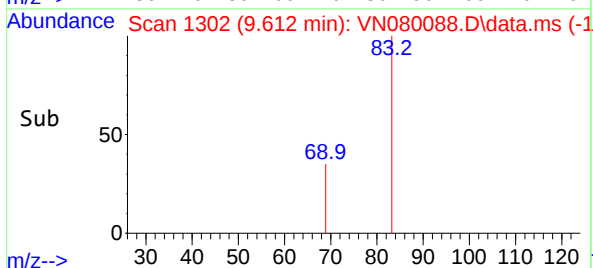
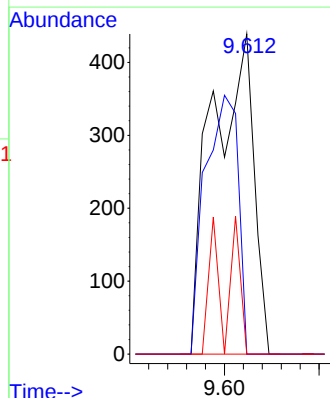
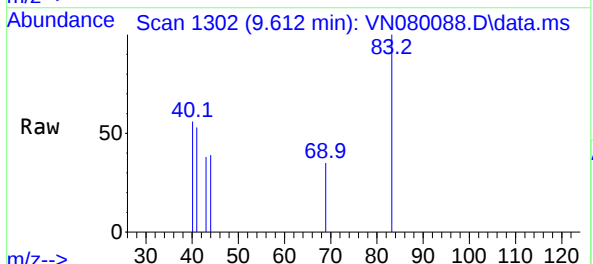


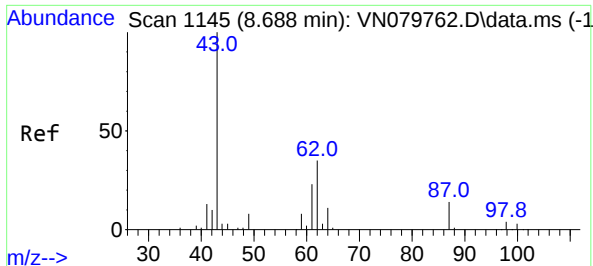
Tgt Ion:117 Resp: 20191
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 0.212 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Tgt Ion: 83 Resp: 663
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 0.0 40.6 61.0#

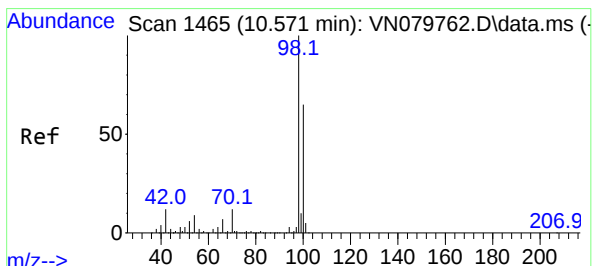
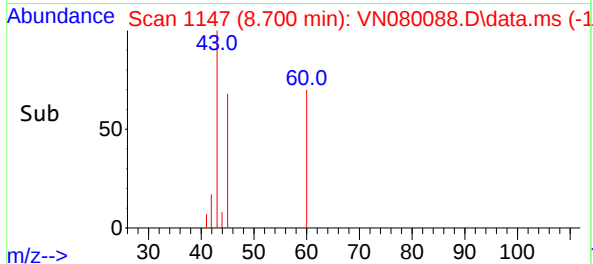
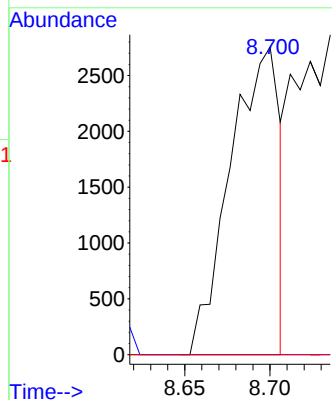
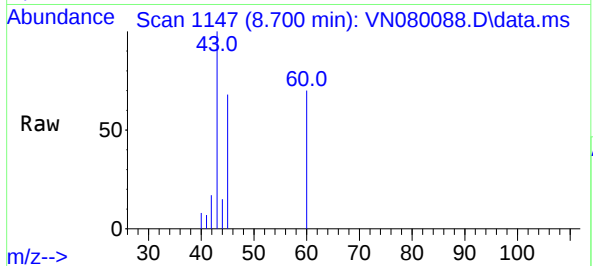




#43
Isopropyl Acetate
Concen: 1.042 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

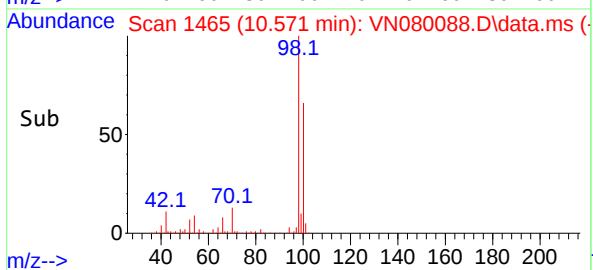
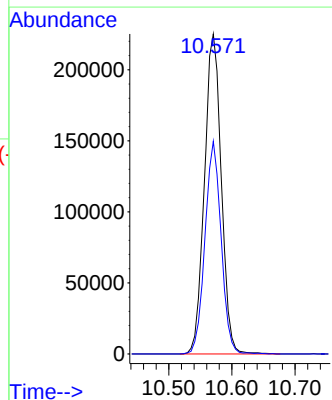
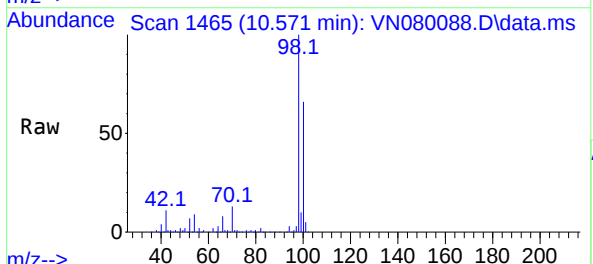
Instrument :
MSVOA_N
ClientSampleId :

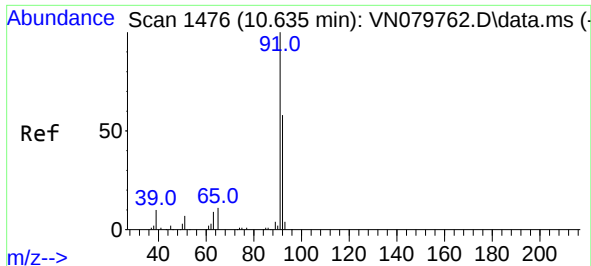
Tgt Ion: 43 Resp: 5562
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 48.795 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Tgt Ion: 98 Resp: 417370
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

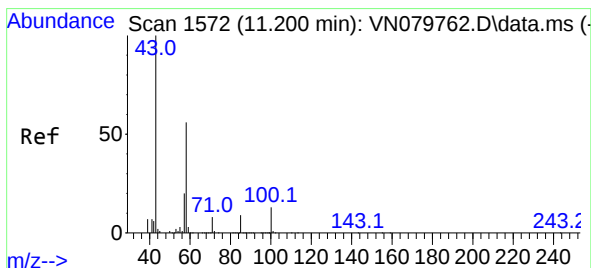
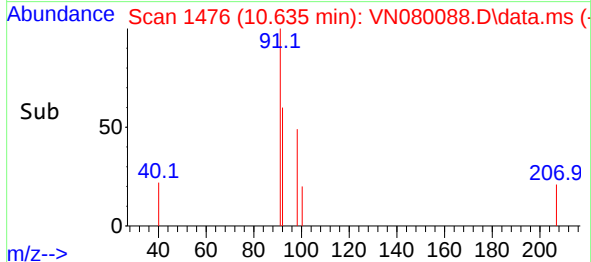
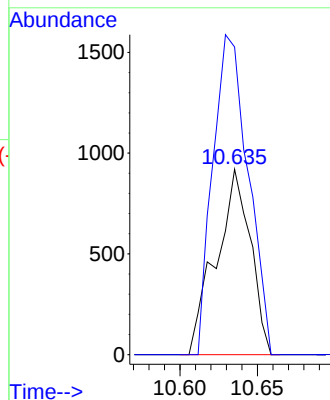
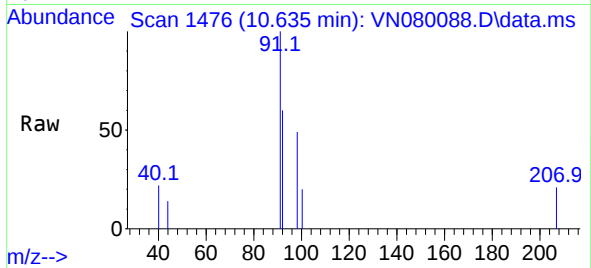




#52
Toluene
Concen: 0.241 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

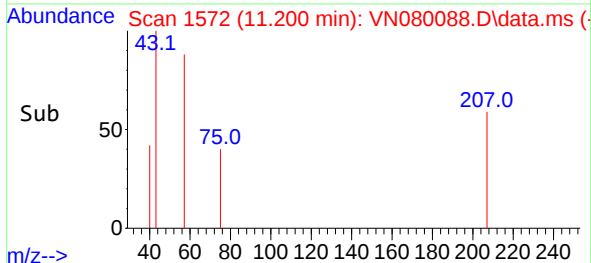
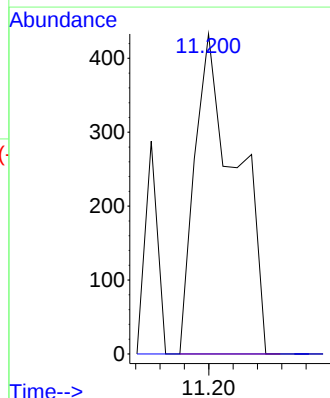
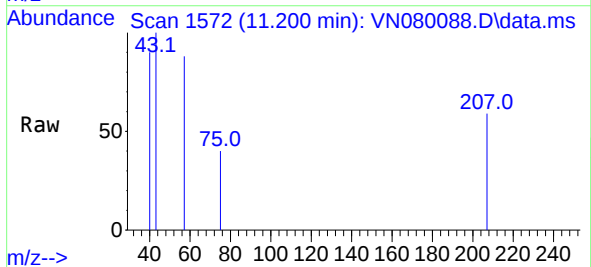
Instrument :
MSVOA_N
ClientSampleId :

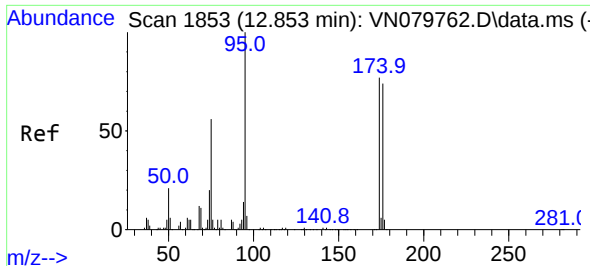
Tgt Ion: 92 Resp: 1420
Ion Ratio Lower Upper
92 100
91 176.8 137.4 206.0



#59
2-Hexanone
Concen: 0.226 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

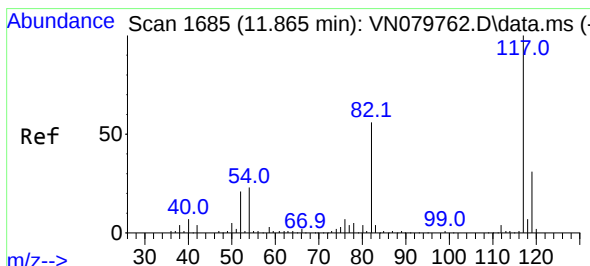
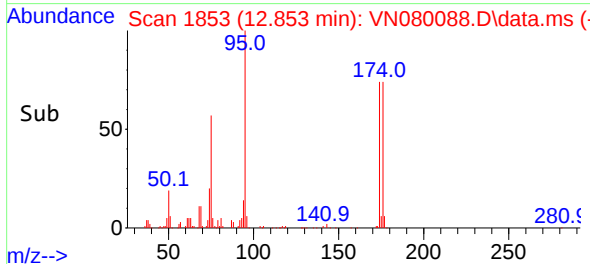
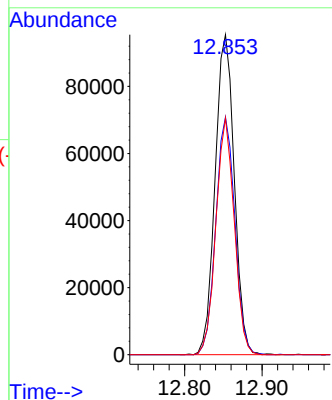
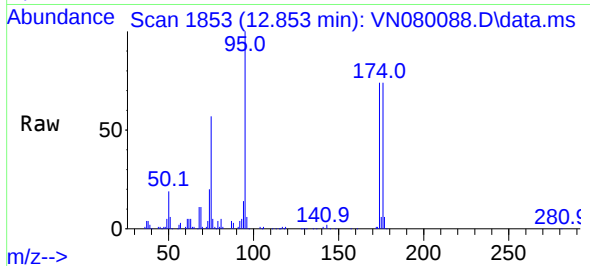




#62
4-Bromofluorobenzene
Concen: 57.847 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

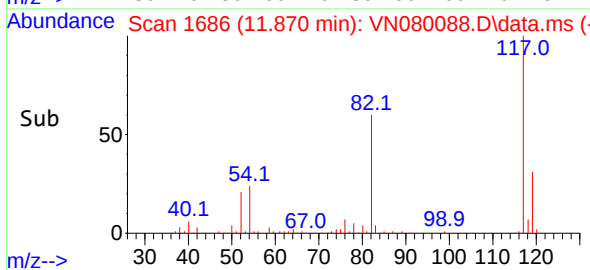
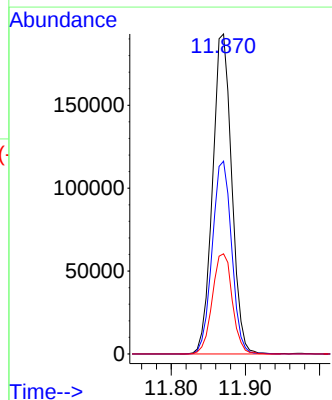
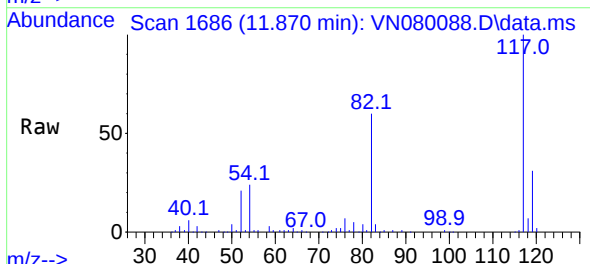
Instrument :
MSVOA_N
ClientSampleId :

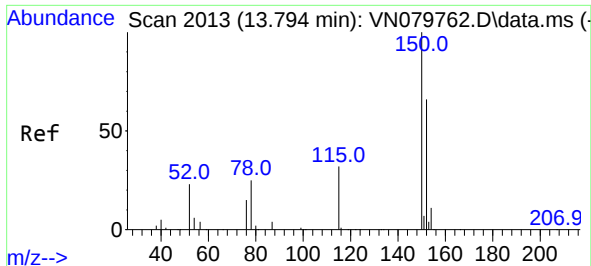
Tgt Ion: 95 Resp: 164102
Ion Ratio Lower Upper
95 100
174 74.2 0.0 143.8
176 70.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

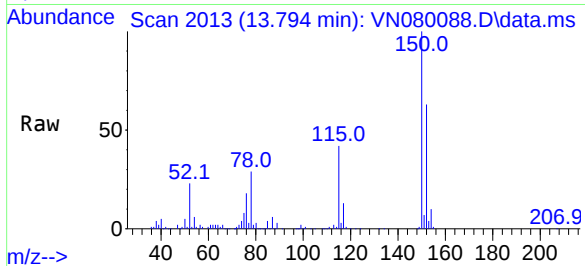
Tgt Ion: 117 Resp: 346420
Ion Ratio Lower Upper
117 100
82 60.3 44.0 66.0
119 31.3 25.6 38.4



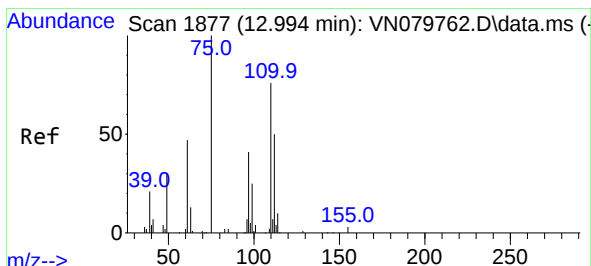
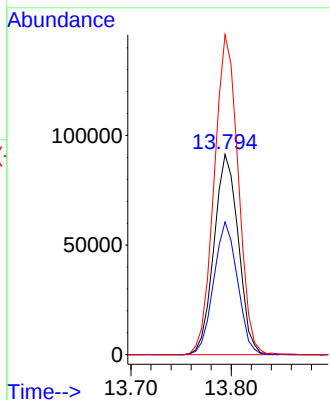
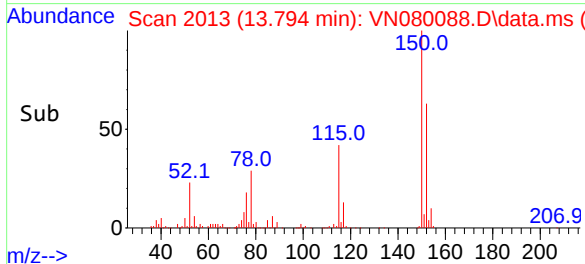


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Instrument :
MSVOA_N
ClientSampleId :

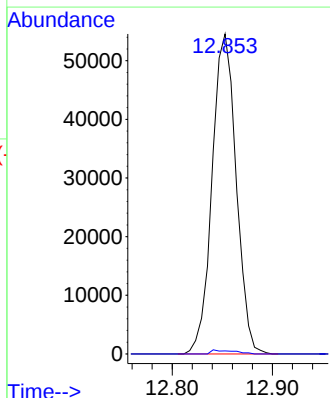
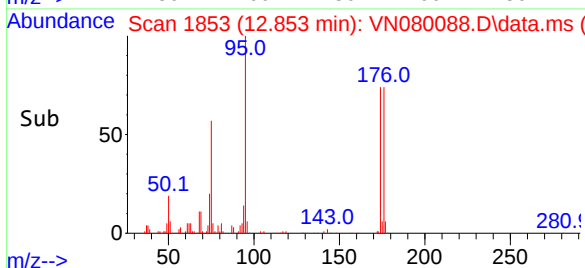
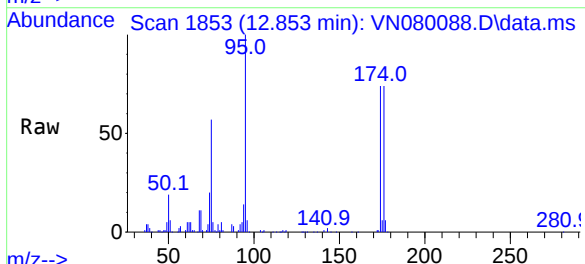


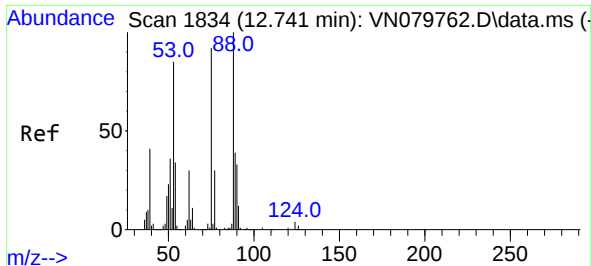
Tgt Ion:152 Resp: 154193
Ion Ratio Lower Upper
152 100
115 64.9 32.3 96.8
150 157.8 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 25.179 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

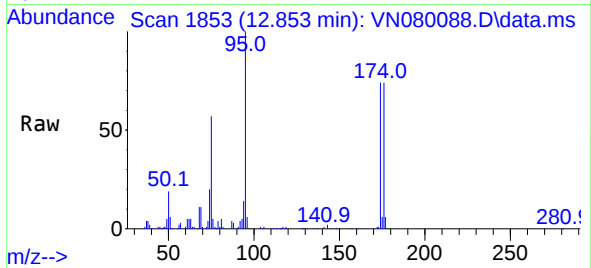
Tgt Ion: 75 Resp: 91149
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.507 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN080088.D
Acq: 14 Nov 2023 14:51

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 91149
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

