

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077830.D
 Acq On : 23 May 2023 23:53
 Operator : JC\MD
 Sample : VN0523WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523WBL02

Quant Time: May 24 02:57:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

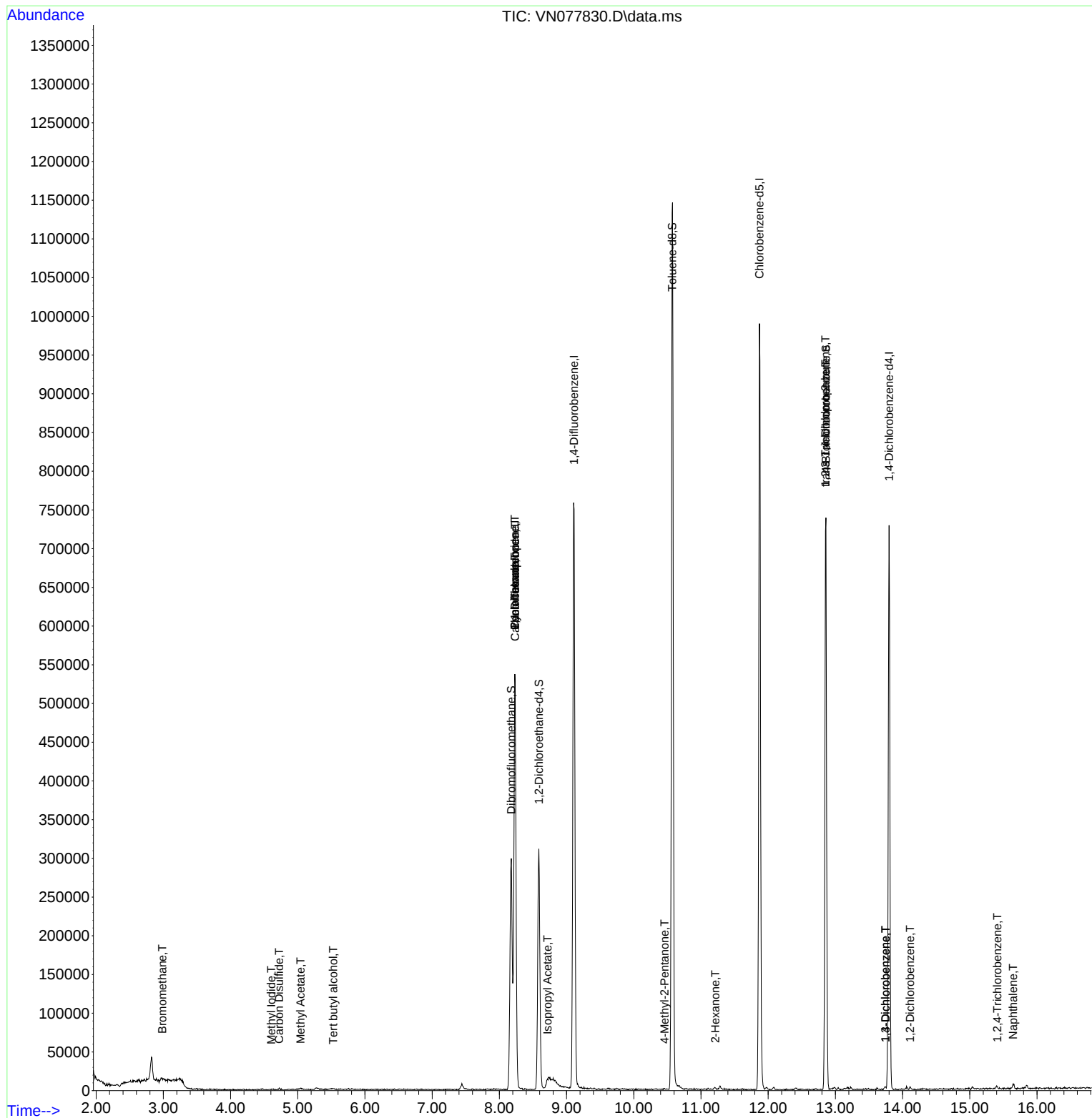
Internal Standards						
1) Pentafluorobenzene	8.230	168	383945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	693251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	603194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	195257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	252204	43.901	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.800%
35) Dibromofluoromethane	8.177	113	221627	49.026	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.060%
50) Toluene-d8	10.571	98	845295	48.580	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.160%
62) 4-Bromofluorobenzene	12.859	95	267118	43.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1473	Below Cal	#	86
5) Bromomethane	2.983	94	3114	0.764	ug/l #	69
10) Methyl Iodide	4.606	142	1267	0.250	ug/l #	76
11) Tert butyl alcohol	5.530	59	378	0.477	ug/l #	72
13) Acrolein	4.194	56	408	Below Cal	#	77
17) Carbon Disulfide	4.724	76	2841	0.261	ug/l #	86
18) Methyl Acetate	5.041	43	2484	0.328	ug/l #	62
20) Methylene Chloride	5.271	84	1323	Below Cal	#	50
31) Cyclohexane	8.230	56	8275	1.060	ug/l #	25
36) 1,1-Dichloropropene	8.230	75	32478	4.912	ug/l #	49
38) Carbon Tetrachloride	8.235	117	41812	6.262	ug/l #	16
43) Isopropyl Acetate	8.718	43	8478	0.881	ug/l #	49
51) 4-Methyl-2-Pentanone	10.459	43	1370	0.239	ug/l #	31
59) 2-Hexanone	11.212	43	1749	0.413	ug/l	65
76) 1,2,3-Trichloropropane	12.853	75	140714	28.776	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	140714	91.984	ug/l #	15
87) 1,3-Dichlorobenzene	13.747	146	1629	0.229	ug/l	84
88) 1,4-Dichlorobenzene	13.747	146	1629	0.231	ug/l	85
91) 1,2-Dichlorobenzene	14.111	146	1430	0.215	ug/l #	74
93) 1,2,4-Trichlorobenzene	15.411	180	1350	0.348	ug/l	69
95) Naphthalene	15.647	128	5467	0.410	ug/l	95

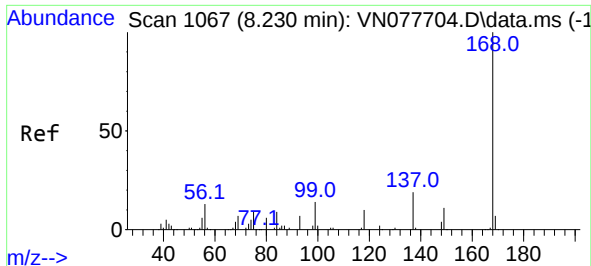
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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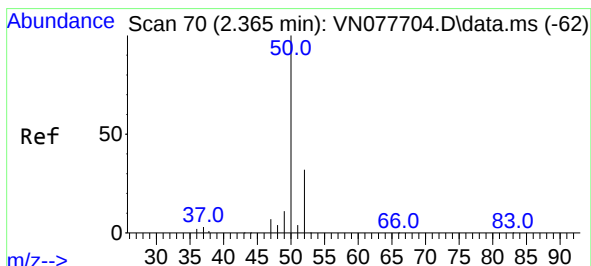
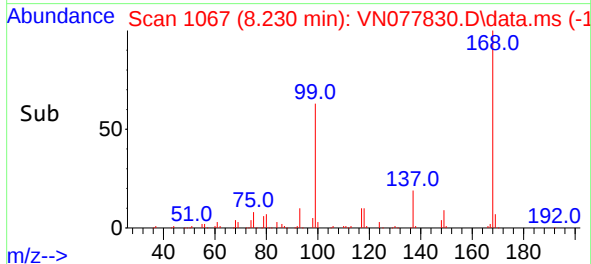
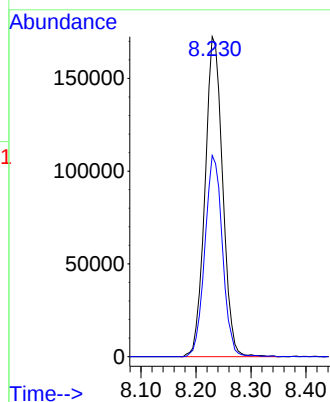
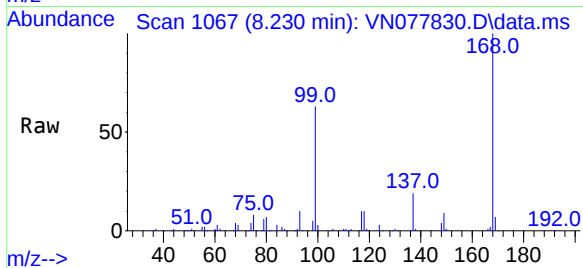




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

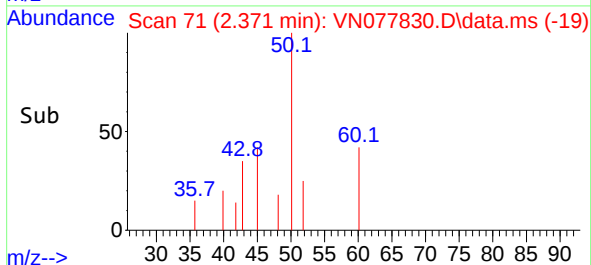
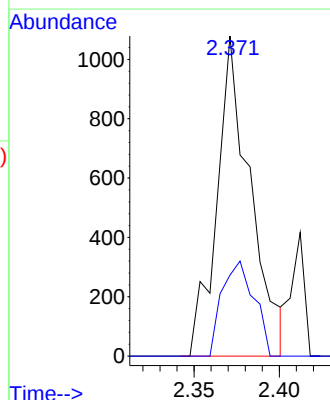
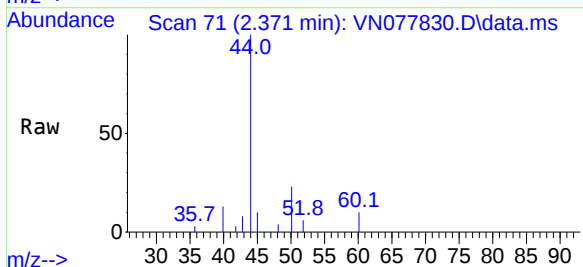
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

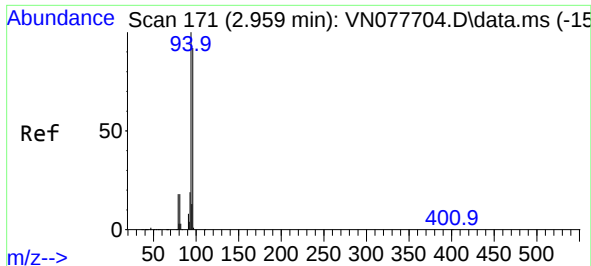
Tgt Ion:168 Resp: 383945
Ion Ratio Lower Upper
168 100
99 62.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion: 50 Resp: 1473
Ion Ratio Lower Upper
50 100
52 25.3 26.5 39.7#

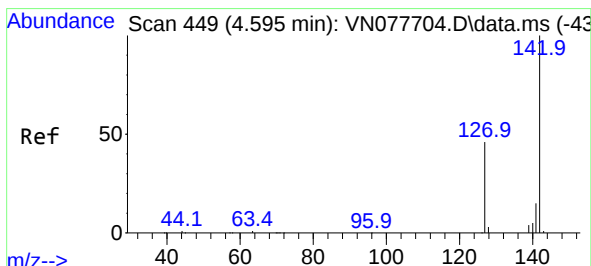
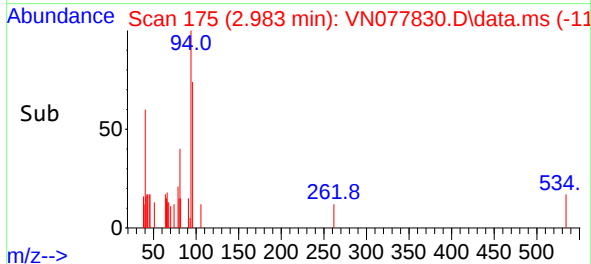
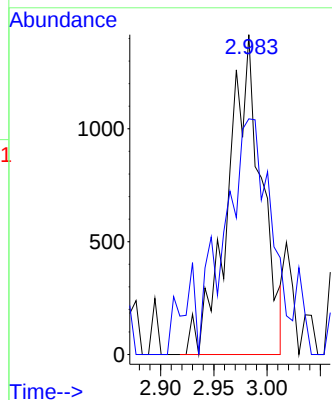
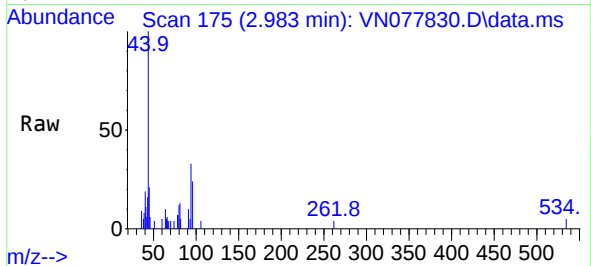




#5
Bromomethane
Concen: 0.764 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

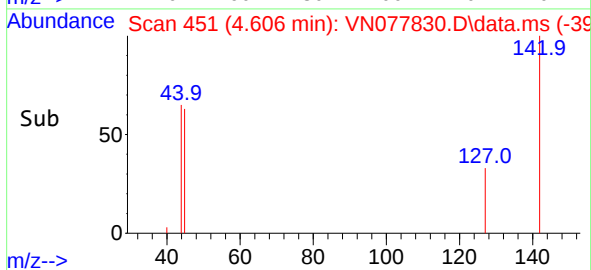
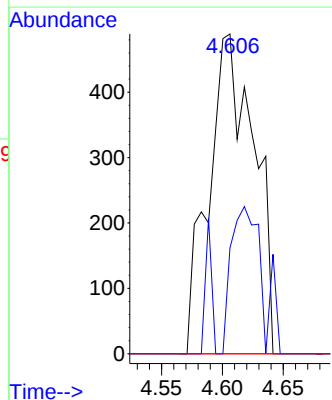
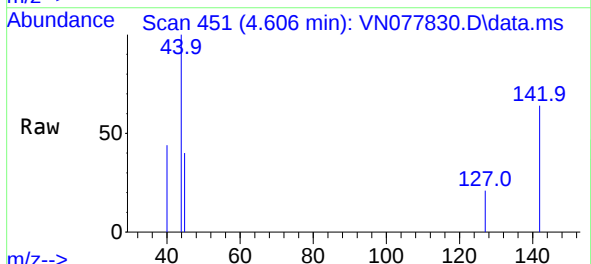
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

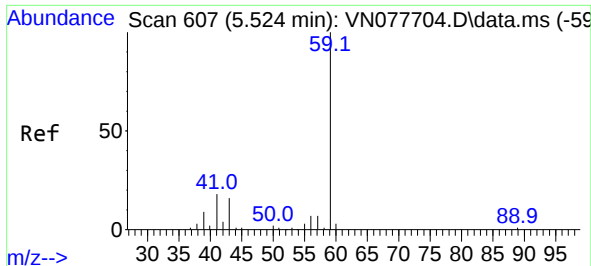
Tgt Ion: 94 Resp: 3114
Ion Ratio Lower Upper
94 100
96 61.7 73.1 109.7#



#10
Methyl Iodide
Concen: 0.250 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion: 142 Resp: 1267
Ion Ratio Lower Upper
142 100
127 33.1 37.6 56.4#
141 0.0 11.4 17.0#

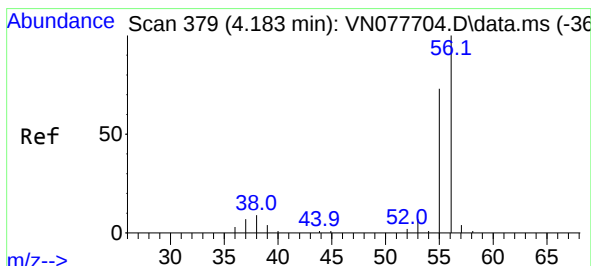
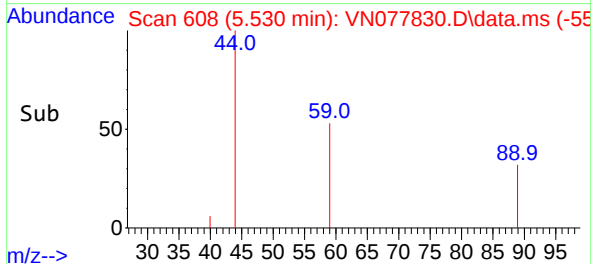
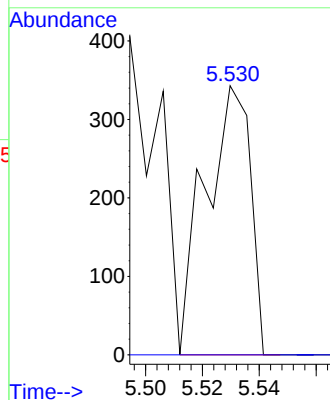
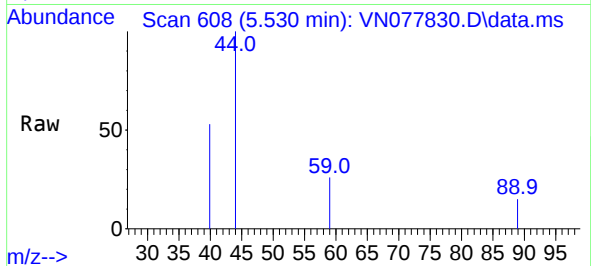




#11
Tert butyl alcohol
Concen: 0.477 ug/l
RT: 5.530 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

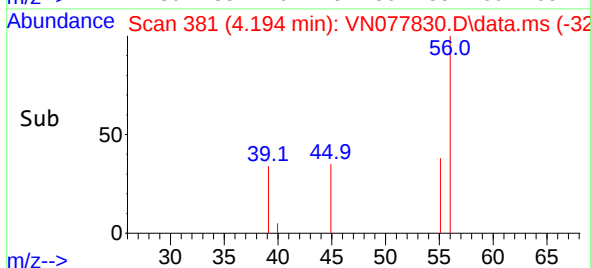
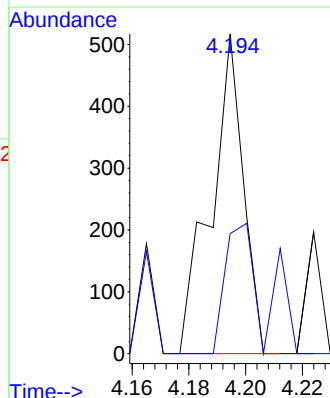
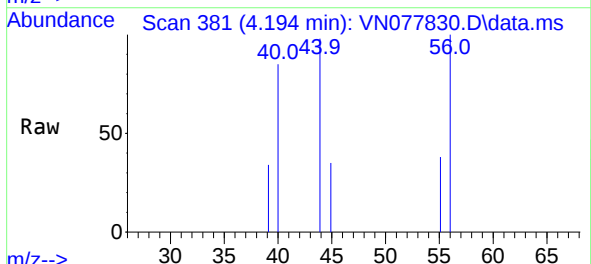
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

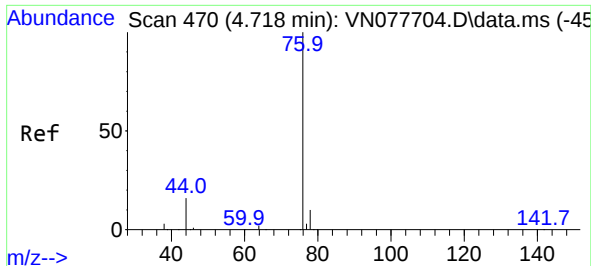
Tgt Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.194 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion: 56 Resp: 408
Ion Ratio Lower Upper
56 100
55 49.8 54.5 81.7#

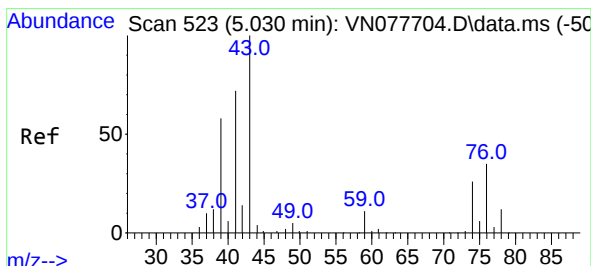
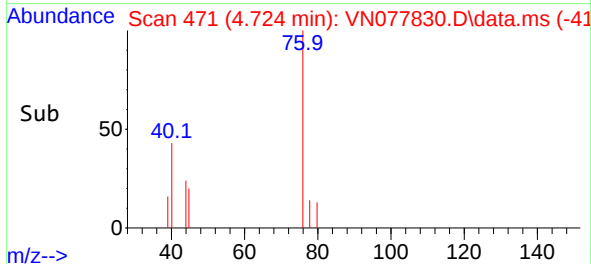
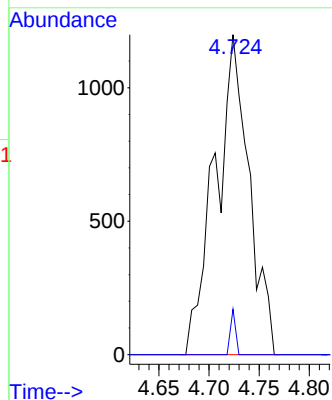
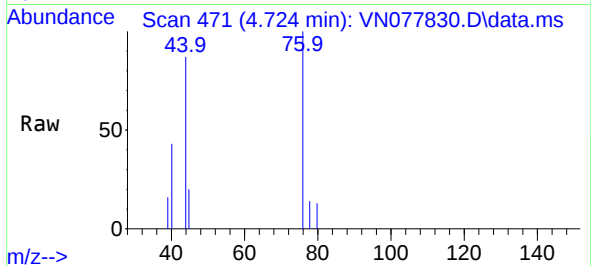




#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

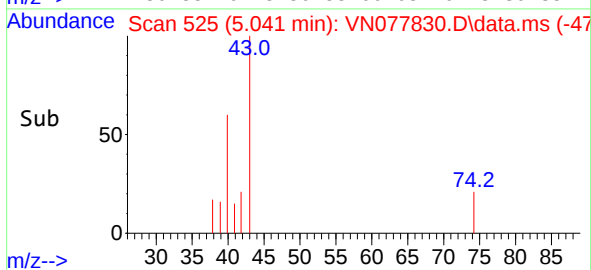
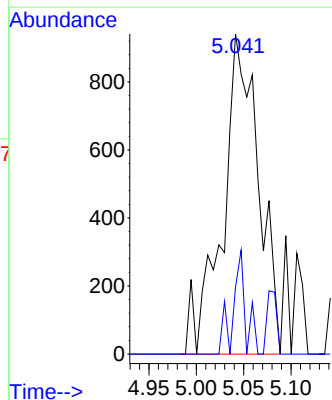
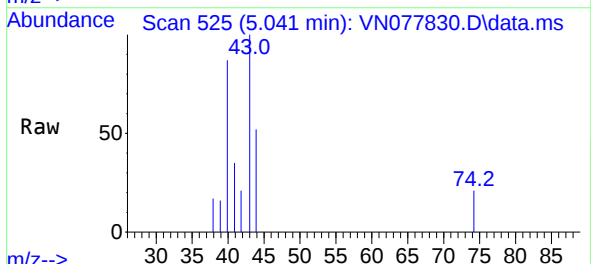
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

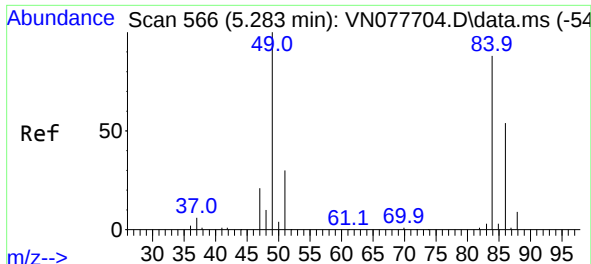
Tgt Ion: 76 Resp: 2841
Ion Ratio Lower Upper
76 100
78 14.2 7.4 11.0#



#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.005 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion: 43 Resp: 2484
Ion Ratio Lower Upper
43 100
74 11.5 26.2 39.4#



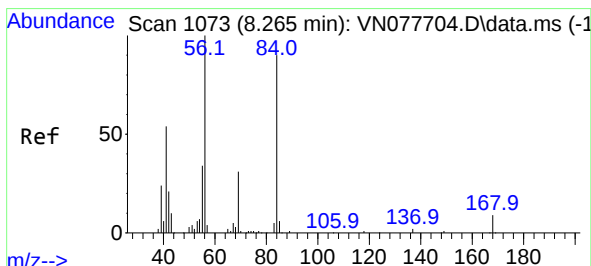
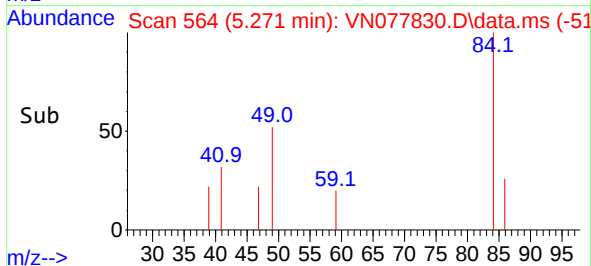
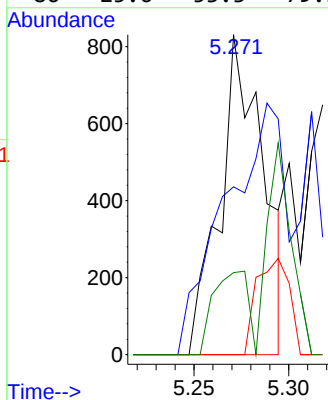
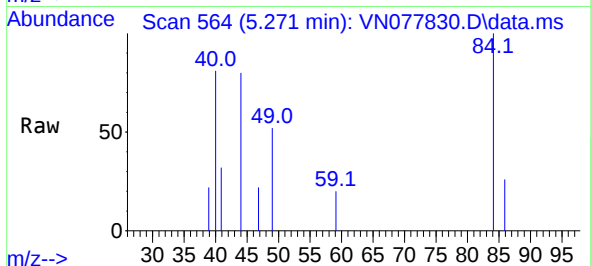


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

Tgt Ion: 84 Resp: 1323

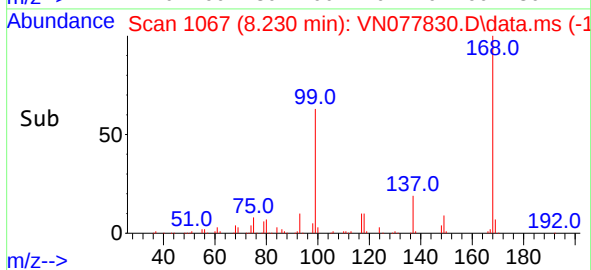
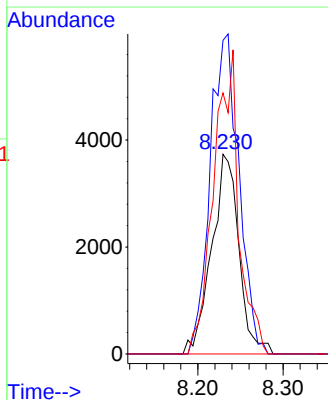
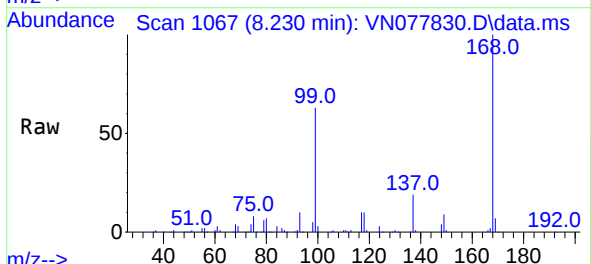
Ion	Ratio	Lower	Upper
84	100		
49	52.5	79.7	119.5#
51	0.0	25.2	37.8#
86	25.6	53.3	79.9#

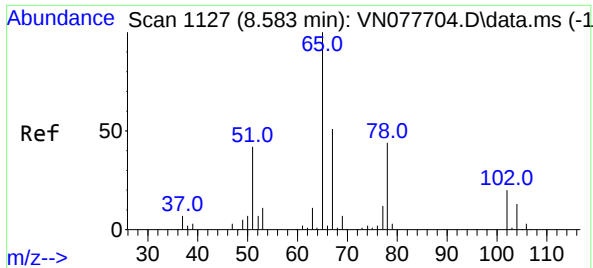


#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion: 56 Resp: 8275

Ion	Ratio	Lower	Upper
56	100		
69	157.0	26.8	40.2#
84	130.7	81.8	122.6#

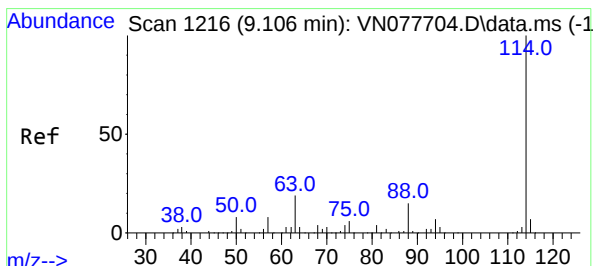
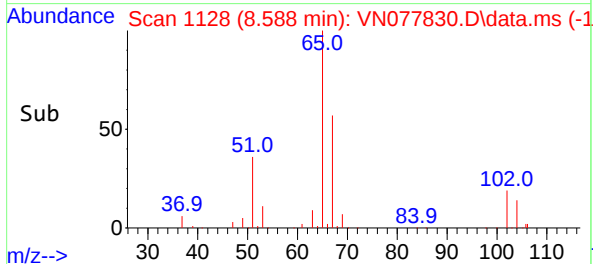
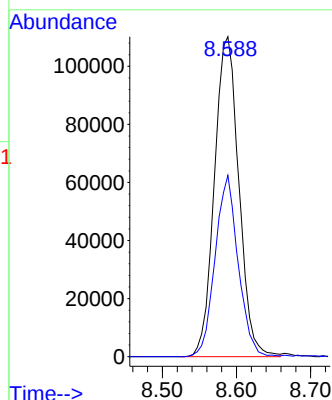
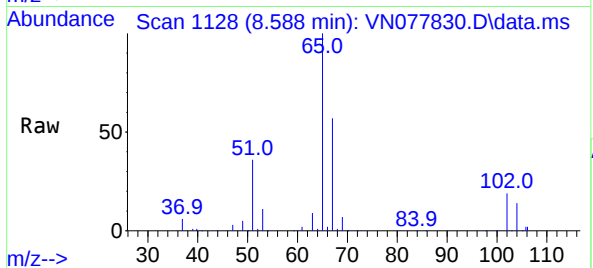




#33
1,2-Dichloroethane-d4
Concen: 43.901 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

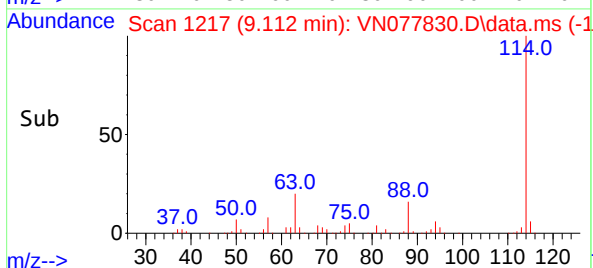
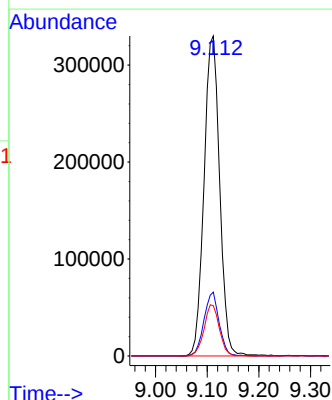
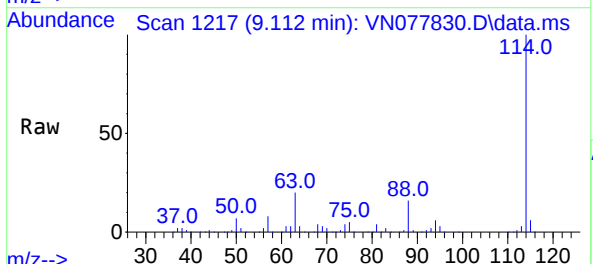
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

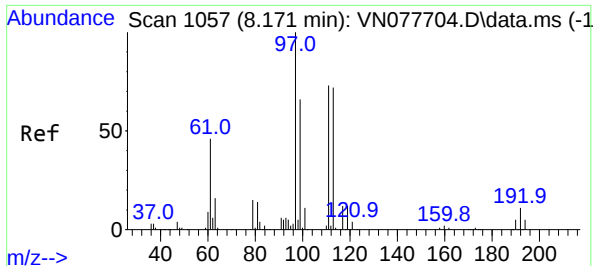
Tgt Ion: 65 Resp: 252204
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion: 114 Resp: 693251
Ion Ratio Lower Upper
114 100
63 19.9 0.0 36.4
88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.026 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077830.D

Acq: 23 May 2023 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBL02

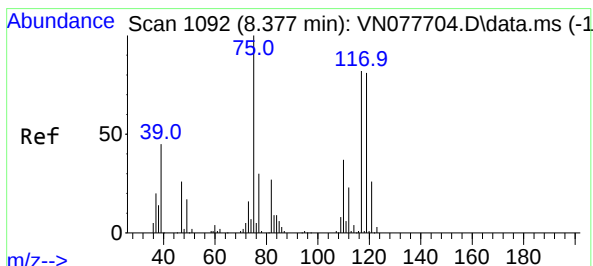
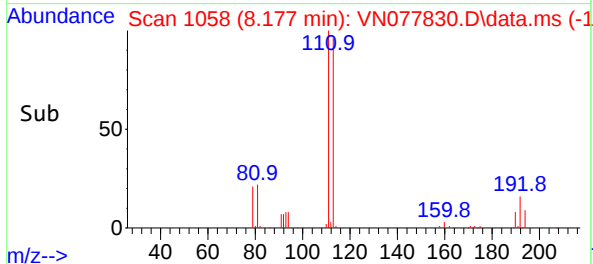
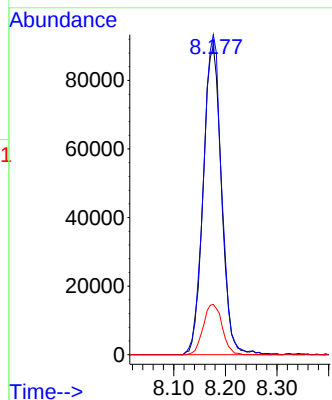
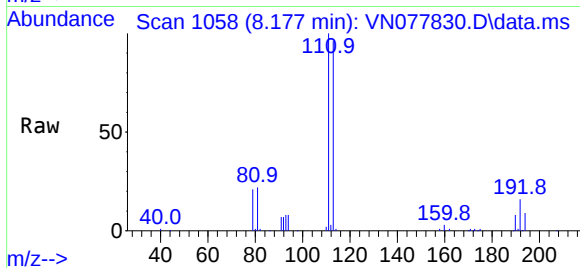
Tgt Ion:113 Resp: 221627

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 16.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077830.D

Acq: 23 May 2023 23:53

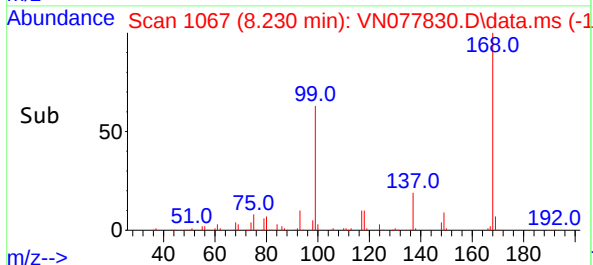
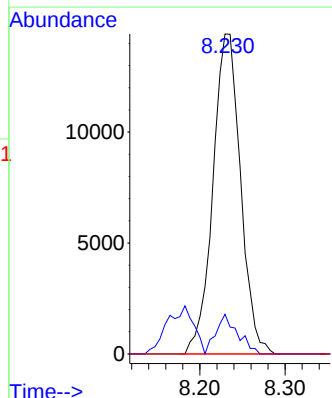
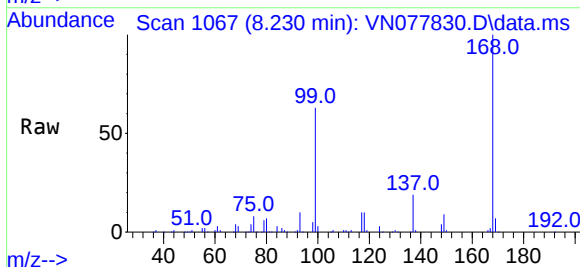
Tgt Ion: 75 Resp: 32478

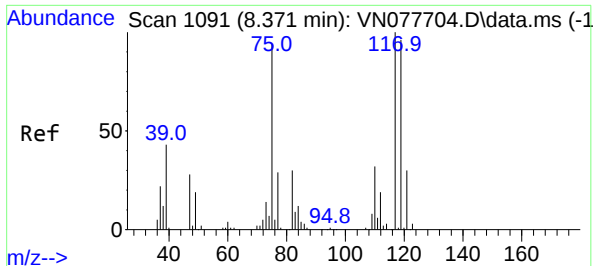
Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.3#

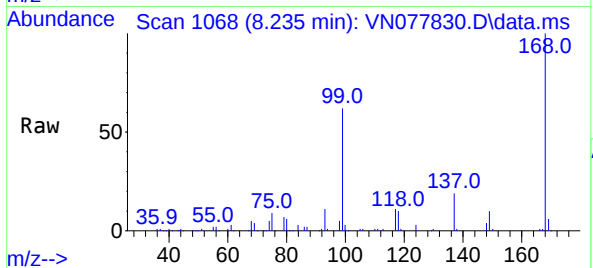
77 0.0 25.0 37.4#



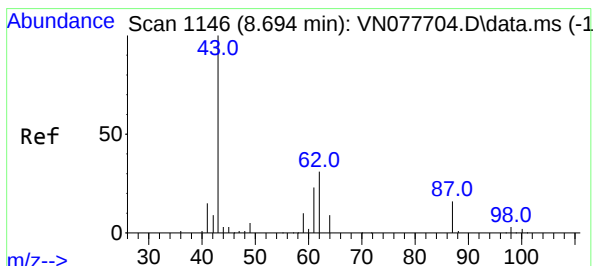
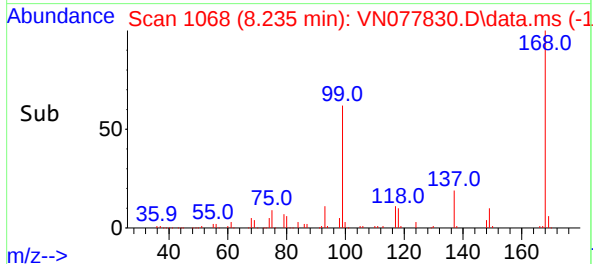
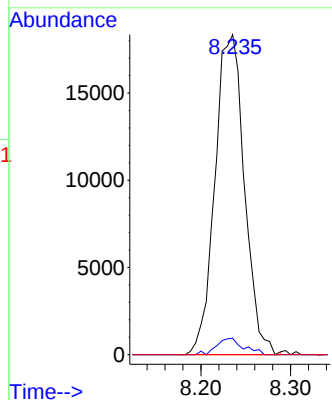


#38
Carbon Tetrachloride
Concen: 6.262 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.136 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

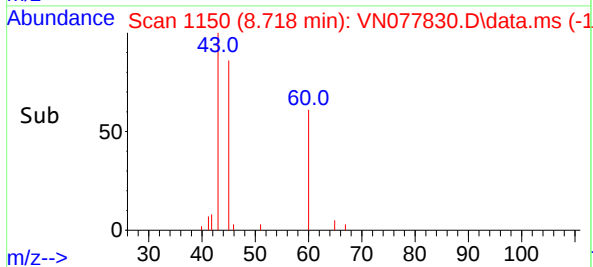
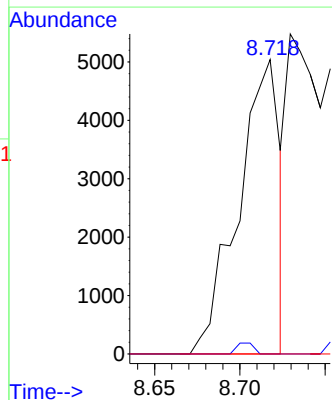
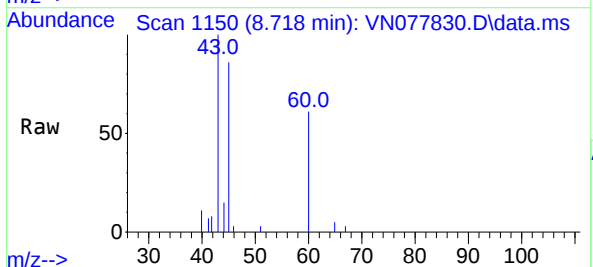


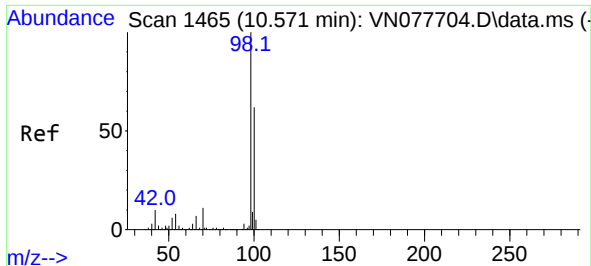
Tgt Ion:117 Resp: 41812
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.881 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.024 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion: 43 Resp: 8478
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

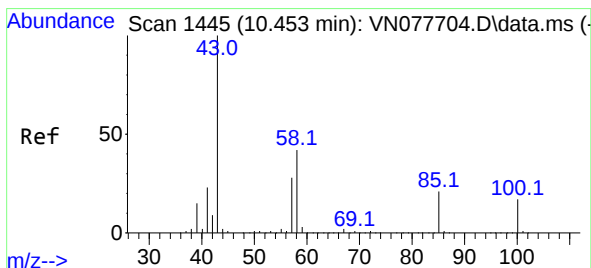
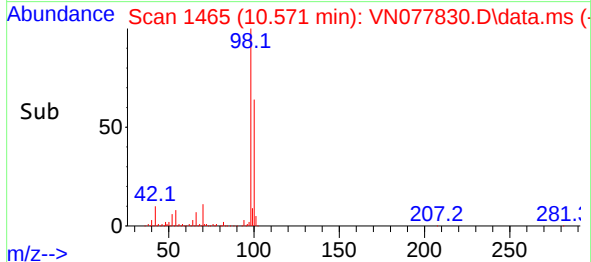
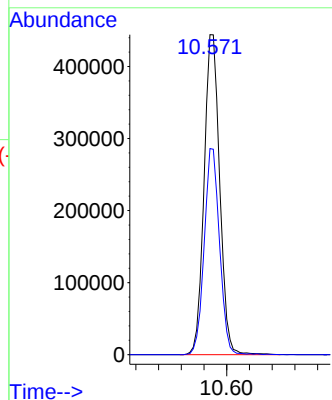
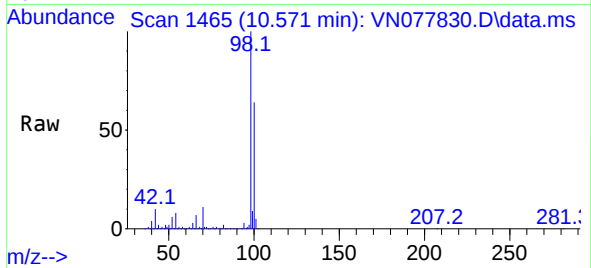




#50
Toluene-d8
Concen: 48.580 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

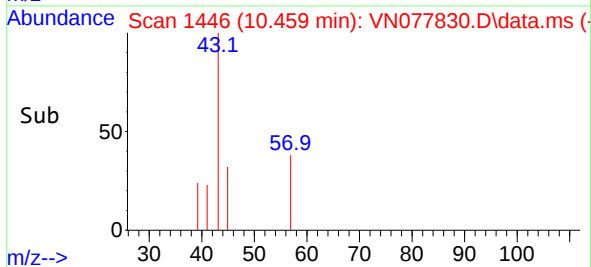
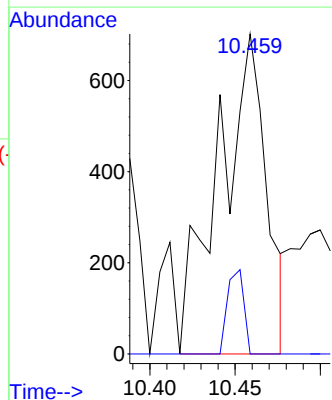
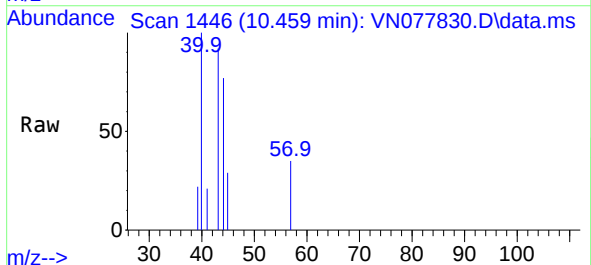
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

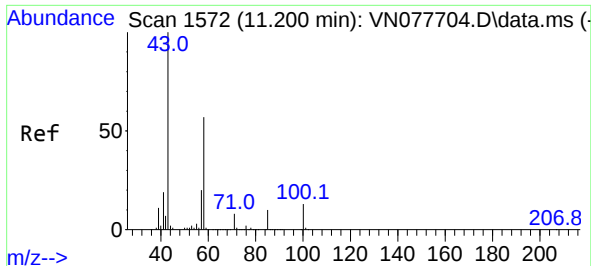
Tgt Ion: 98 Resp: 845295
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.239 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

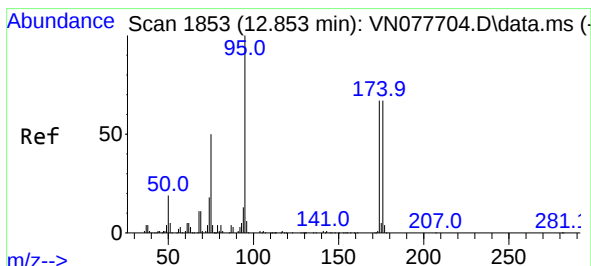
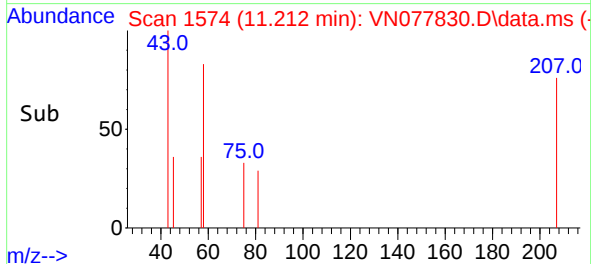
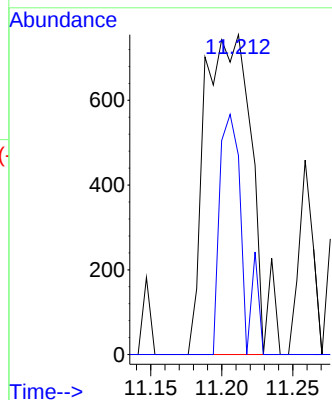
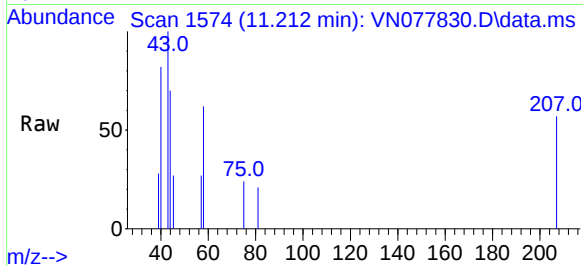




#59
2-Hexanone
Concen: 0.413 ug/l
RT: 11.212 min Scan# 1154
Delta R.T. 0.012 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

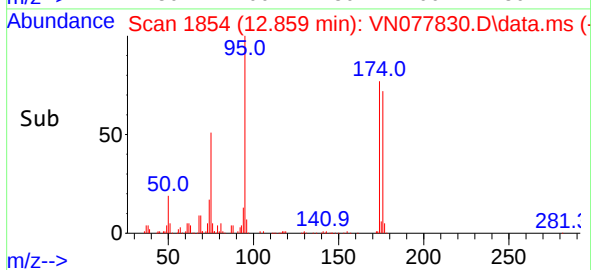
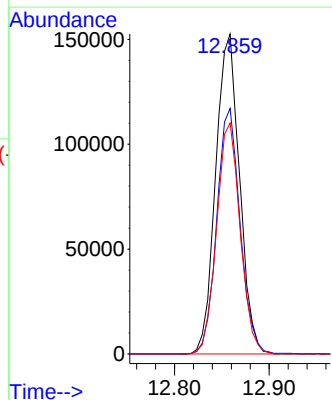
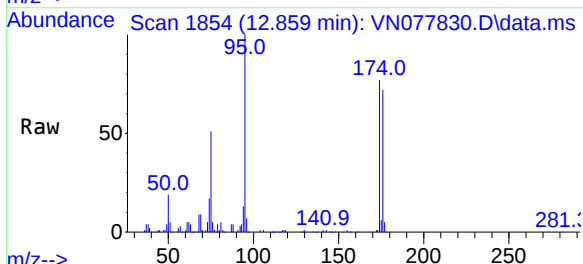
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

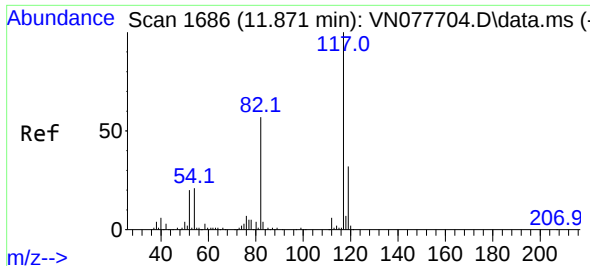
Tgt Ion: 43 Resp: 1749
Ion Ratio Lower Upper
43 100
58 36.0 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 43.466 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

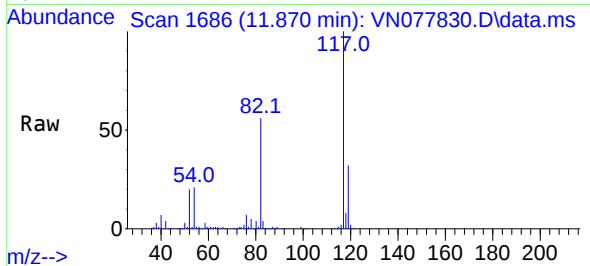
Tgt Ion: 95 Resp: 267118
Ion Ratio Lower Upper
95 100
174 75.0 0.0 143.8
176 71.2 0.0 135.8



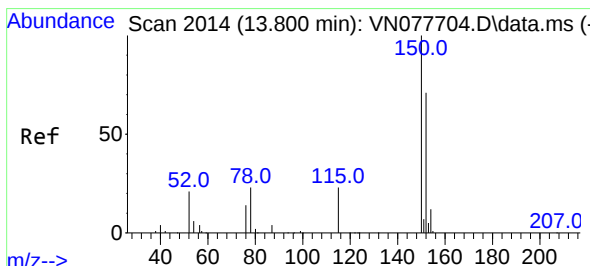
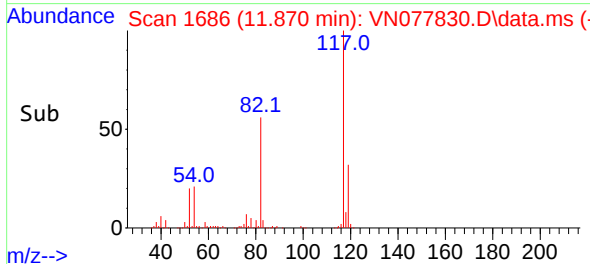
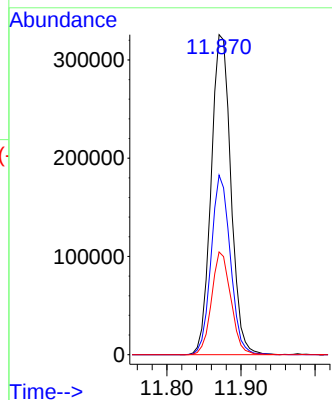


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

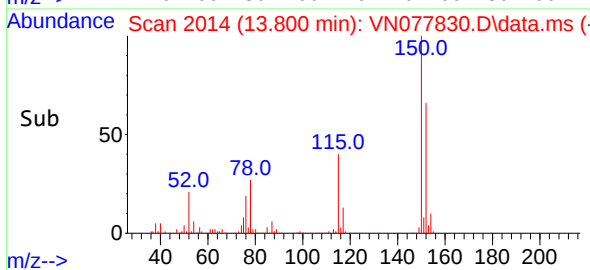
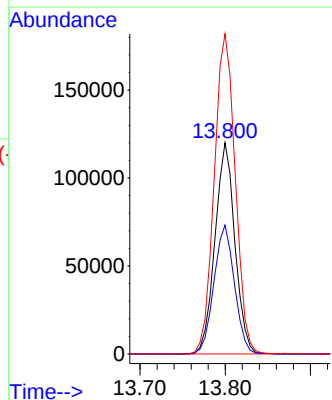
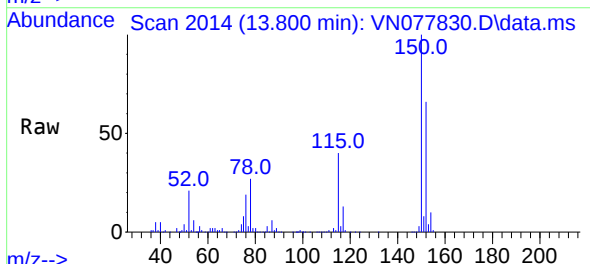


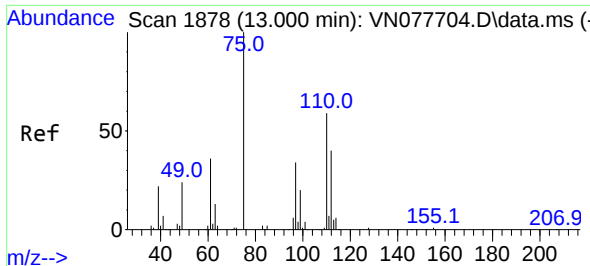
Tgt Ion:117 Resp: 603194
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion:152 Resp: 195257
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 160.0 0.0 355.8

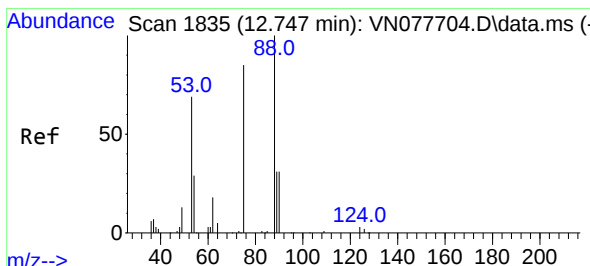
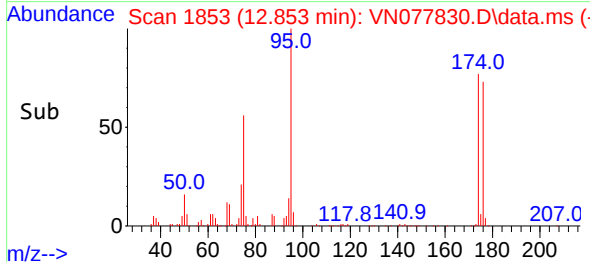
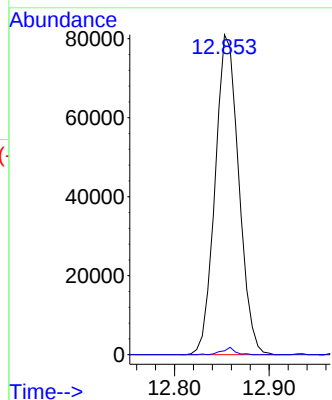
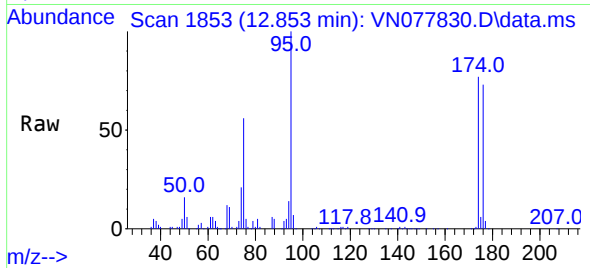




#76
1,2,3-Trichloropropane
Concen: 28.776 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

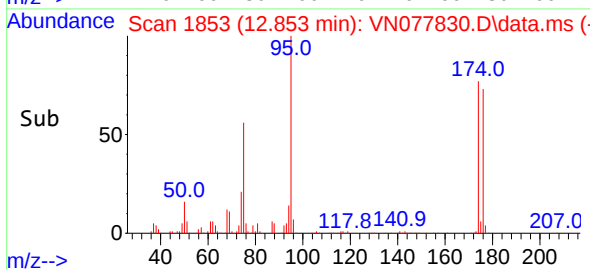
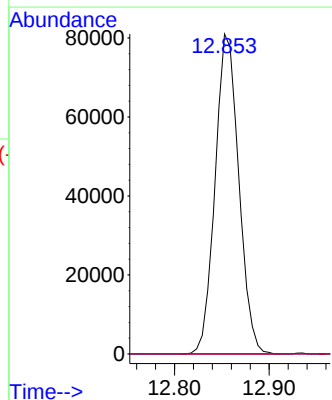
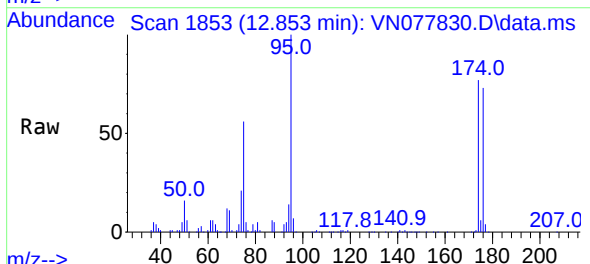
Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02

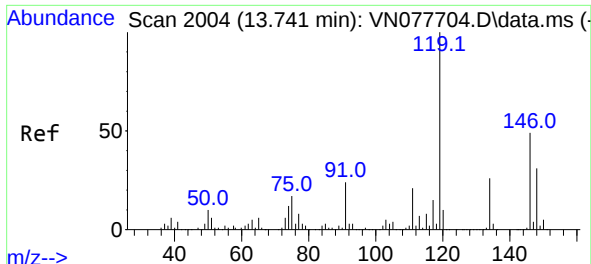
Tgt Ion: 75 Resp: 140714
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.984 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Tgt Ion: 75 Resp: 140714
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#87

1,3-Dichlorobenzene

Concen: 0.229 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. 0.006 min

Lab File: VN077830.D

Acq: 23 May 2023 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBL02

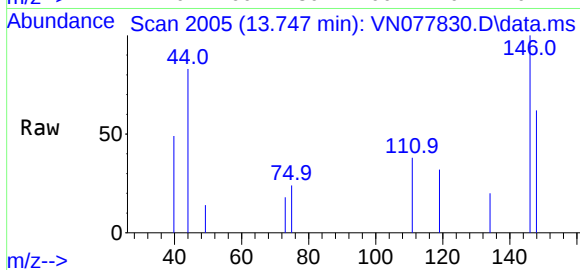
Tgt Ion:146 Resp: 1629

Ion Ratio Lower Upper

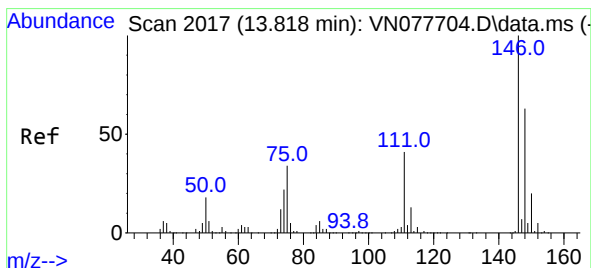
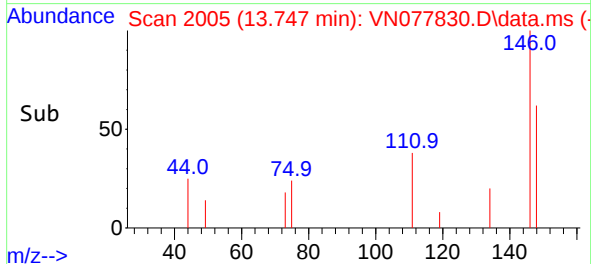
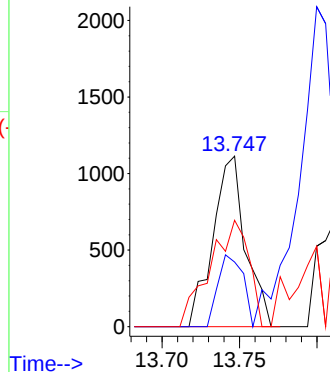
146 100

111 32.0 22.1 66.3

148 74.5 32.0 96.0



Abundance



#88

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. -0.070 min

Lab File: VN077830.D

Acq: 23 May 2023 23:53

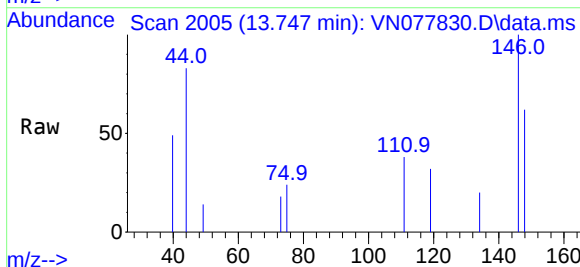
Tgt Ion:146 Resp: 1629

Ion Ratio Lower Upper

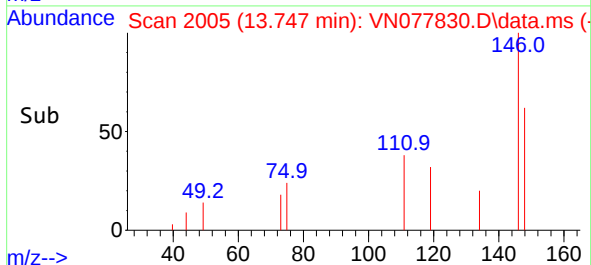
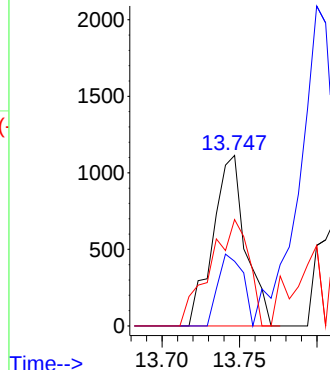
146 100

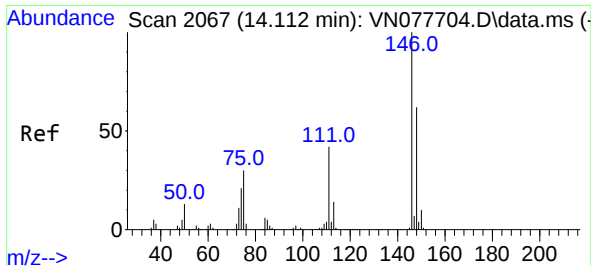
111 32.0 20.6 61.8

148 74.5 31.6 94.8



Abundance





#91

1,2-Dichlorobenzene

Concen: 0.215 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN077830.D

Acq: 23 May 2023 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN0523WBL02

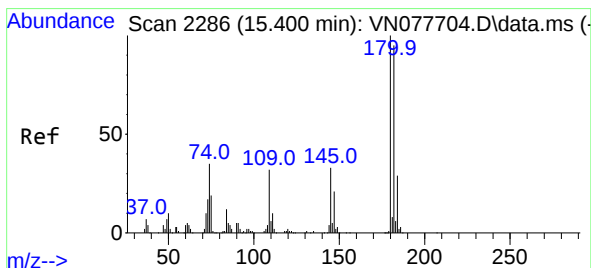
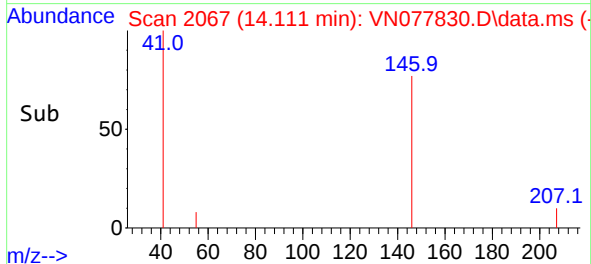
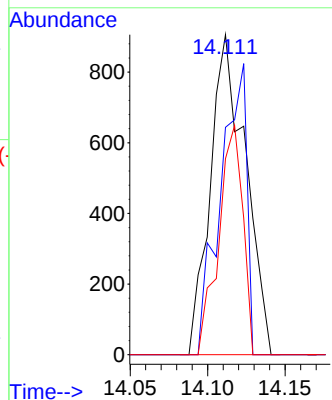
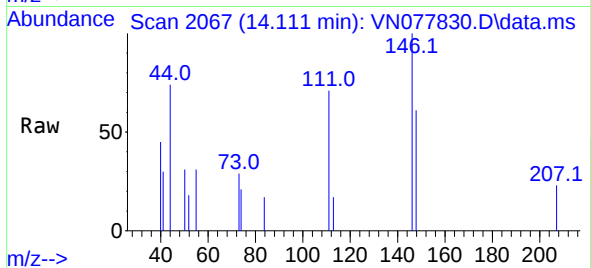
Tgt Ion:146 Resp: 1430

Ion Ratio Lower Upper

146 100

111 67.3 22.0 66.0#

148 49.2 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 0.348 ug/l

RT: 15.411 min Scan# 2288

Delta R.T. 0.011 min

Lab File: VN077830.D

Acq: 23 May 2023 23:53

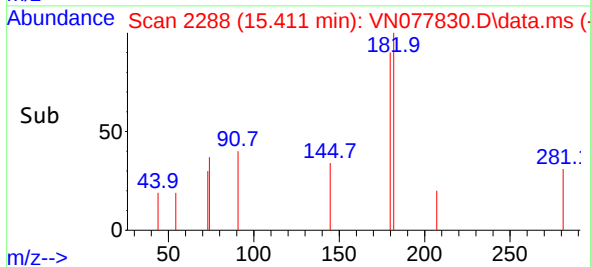
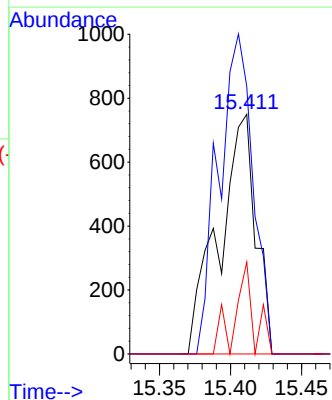
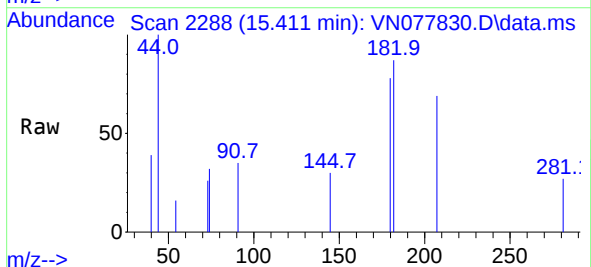
Tgt Ion:180 Resp: 1350

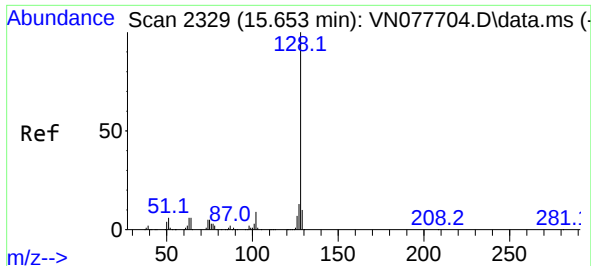
Ion Ratio Lower Upper

180 100

182 124.7 46.1 138.2

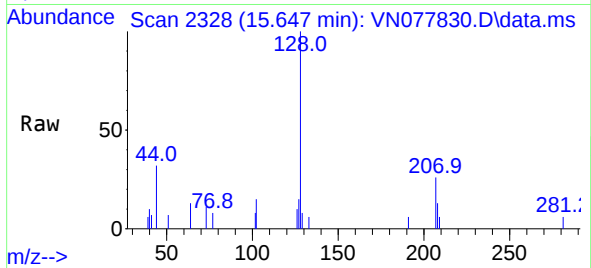
145 20.0 16.6 49.8





#95
Naphthalene
Concen: 0.410 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077830.D
Acq: 23 May 2023 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL02



Tgt Ion:128 Resp: 5467
Ion Ratio Lower Upper
128 100
127 10.1 10.0 15.0
129 9.1 8.7 13.1

