

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091923\
 Data File : VN079300.D
 Acq On : 19 Sep 2023 13:52
 Operator : JC\MD
 Sample : VN0919WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 15:41:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

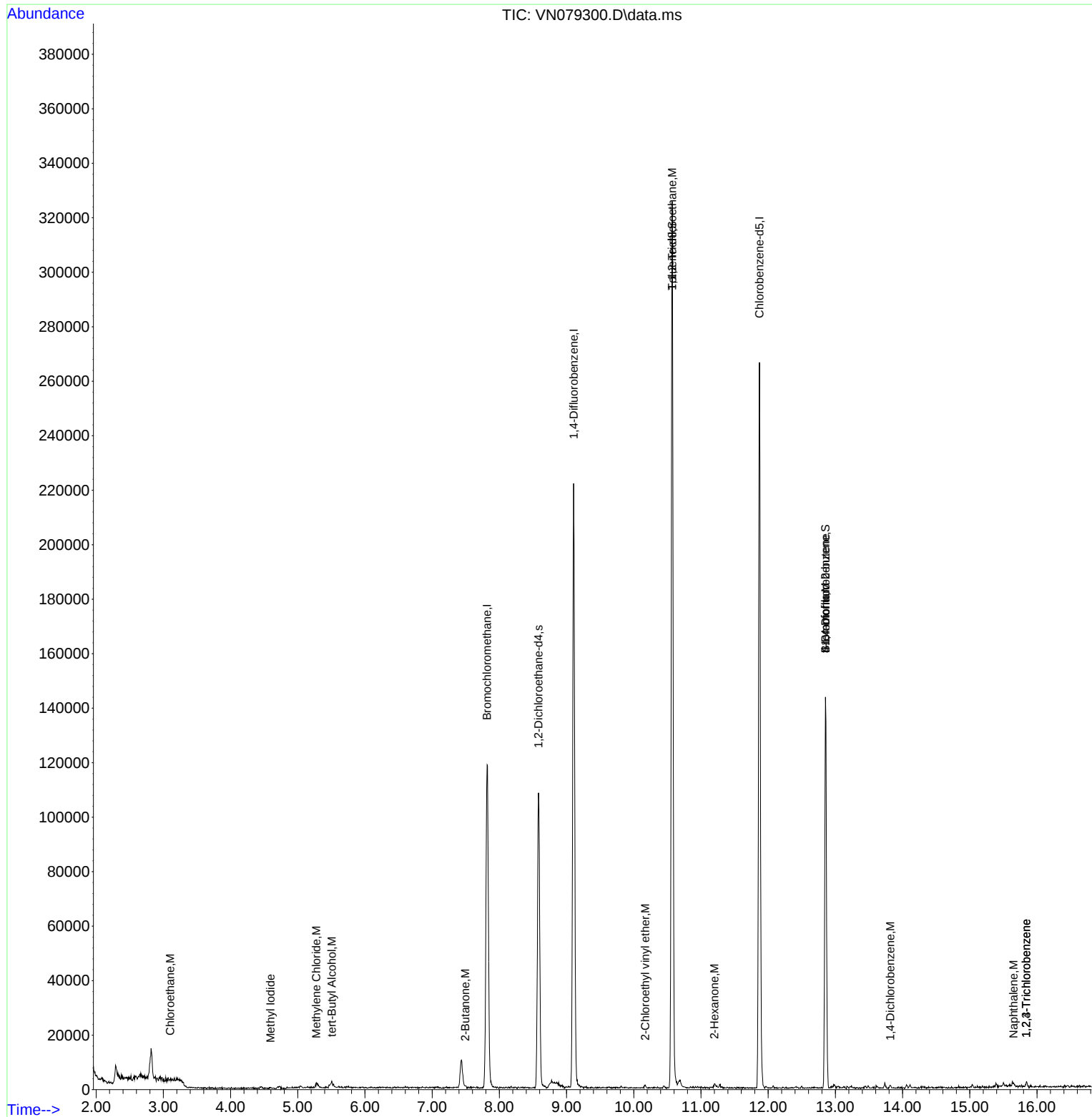
Internal Standards						
1) Bromochloromethane	7.818	128	40965	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	181402	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	153728	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	92128	29.934	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.767%
60) 4-Bromofluorobenzene	12.853	95	50395	22.248	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	74.167%
63) Toluene-d8	10.571	98	220855	30.742	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.467%
Target Compounds						
					Qvalue	
6) Chloroethane	3.100	64	425	0.306	ug/l #	50
11) Methyl Iodide	4.594	142	368	0.203	ug/l #	38
18) Methylene Chloride	5.277	84	666	0.345	ug/l #	84
23) tert-Butyl Alcohol	5.506	59	919	2.425	ug/l #	100
30) 2-Butanone	7.494	43	325	0.222	ug/l #	54
50) 1,1,2-Trichloroethane	10.571	97	7261	3.293	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.171	63	552	0.456	ug/l #	45
56) Bromoform	12.853	173	394	0.244	ug/l #	1
59) 2-Hexanone	11.200	43	1312	0.662	ug/l #	48
77) t-1,4-Dichloro-2-butene	12.853	75	27809	30.188	ug/l #	14
84) 1,4-Dichlorobenzene	13.817	146	646	0.209	ug/l #	71
89) 1,2,4-Trichlorobenzene	15.841	180	605	0.434	ug/l #	73
91) Naphthalene	15.653	128	831	0.228	ug/l #	70
92) 1,2,3-Trichlorobenzene	15.841	180	605	0.434	ug/l	73

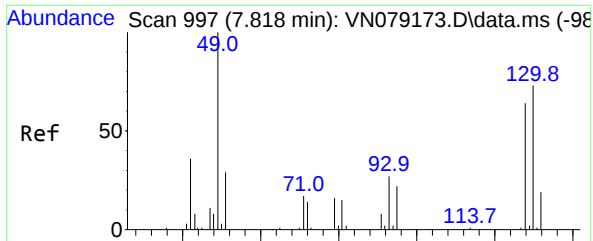
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091923\
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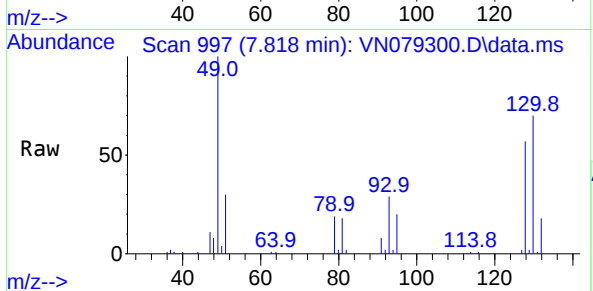
Quant Time: Sep 19 15:41:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration



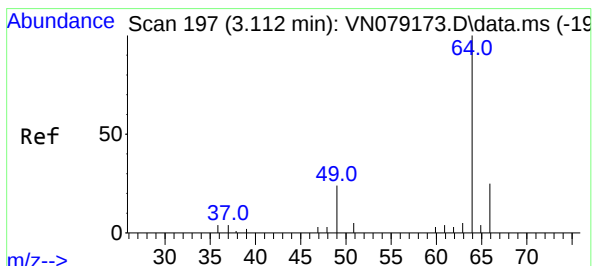
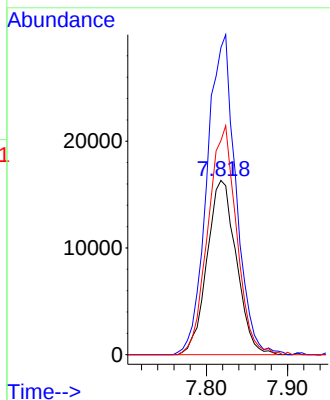
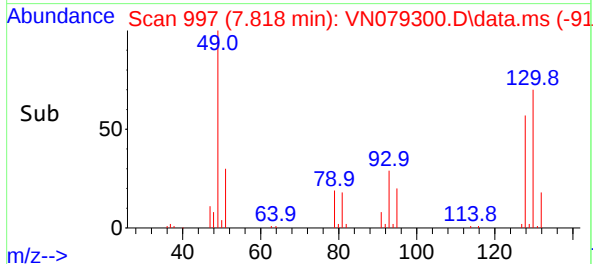


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Instrument :
MSVOA_N
ClientSampleId :

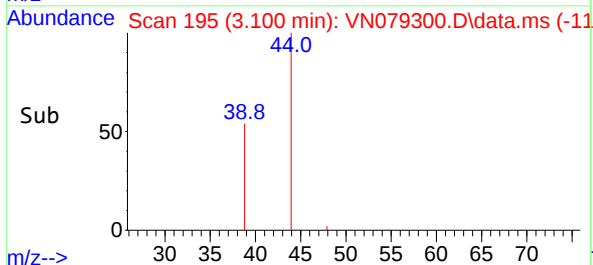
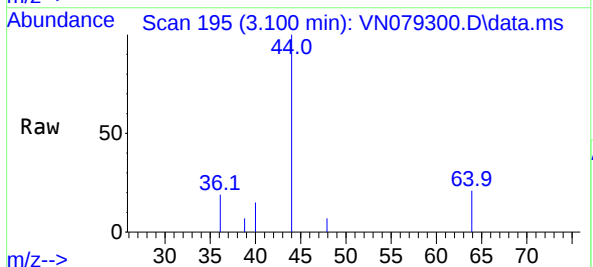


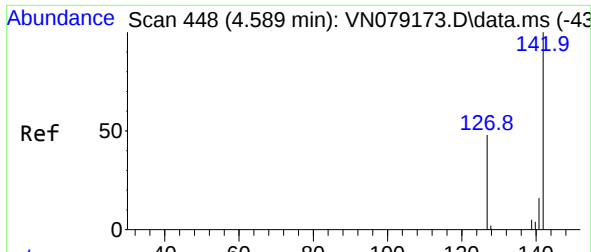
Tgt Ion:128 Resp: 40965
Ion Ratio Lower Upper
128 100
49 181.0 0.0 414.3
130 128.2 0.0 311.0



#6
Chloroethane
Concen: 0.306 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.012 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

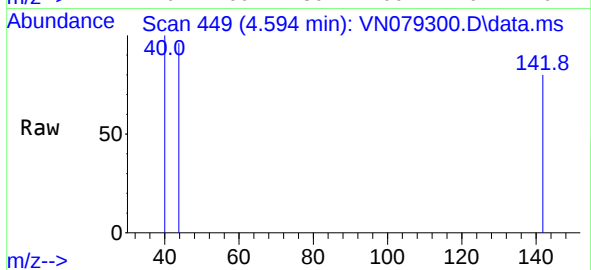
Tgt Ion: 64 Resp: 425
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#



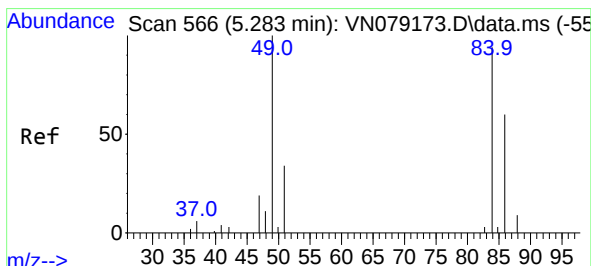
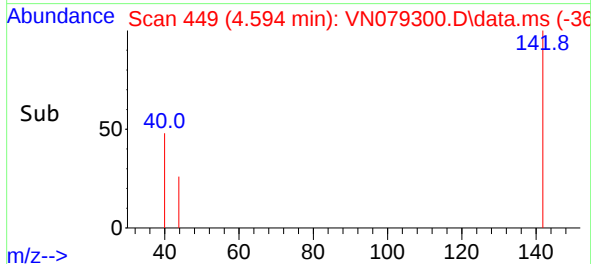
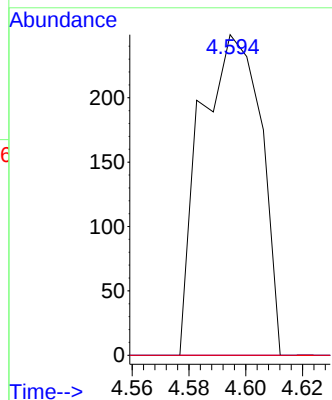


#11
Methyl Iodide
Concen: 0.203 ug/l
RT: 4.594 min Scan# 44
Delta R.T. 0.005 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Instrument :
MSVOA_N
ClientSampleId :

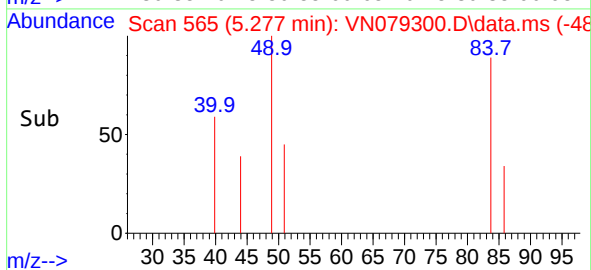
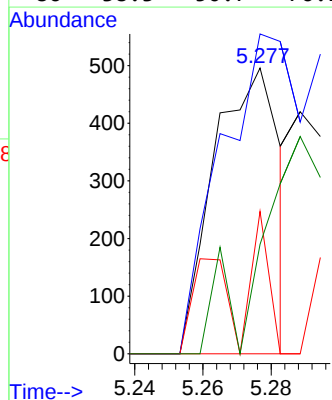
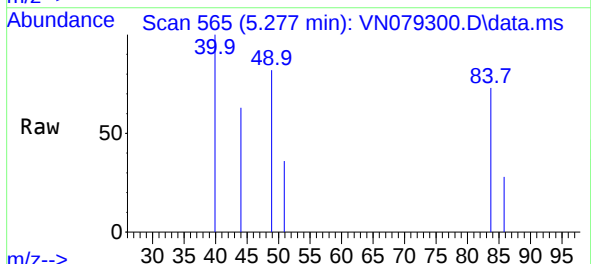


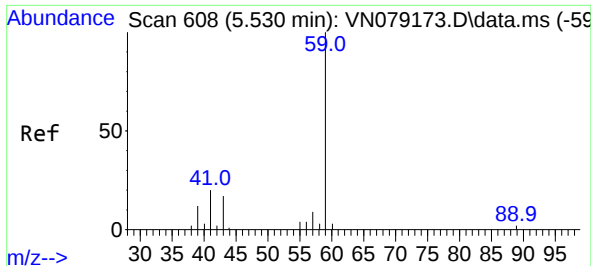
Tgt Ion:142 Resp: 368
Ion Ratio Lower Upper
142 100
127 0.0 23.8 71.4#
141 0.0 8.2 24.6#



#18
Methylene Chloride
Concen: 0.345 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

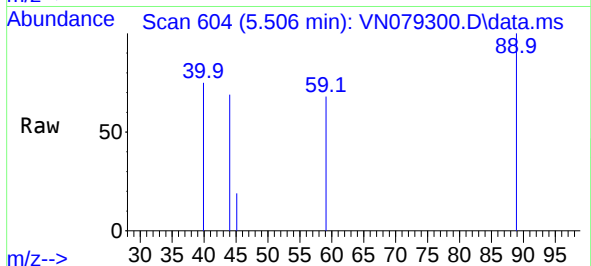
Tgt Ion: 84 Resp: 666
Ion Ratio Lower Upper
84 100
49 111.9 86.9 130.3
51 49.8 28.6 43.0#
86 38.3 50.7 76.1#



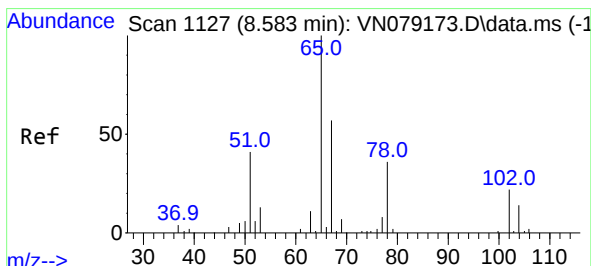
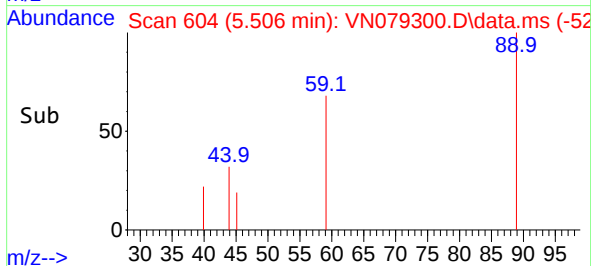
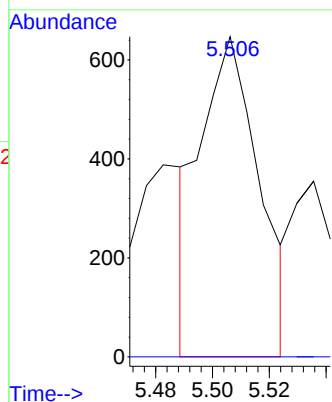


#23
tert-Butyl Alcohol
Concen: 2.425 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.024 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Instrument :
MSVOA_N
ClientSampleId :

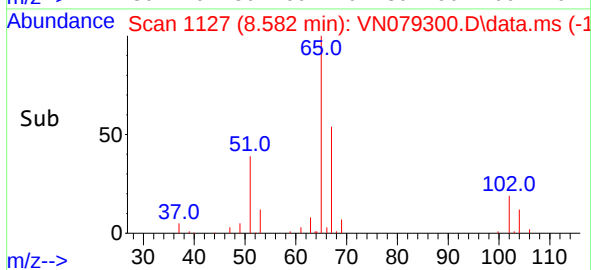
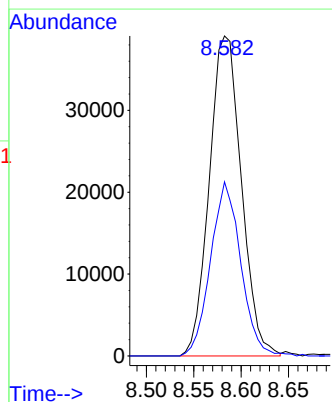
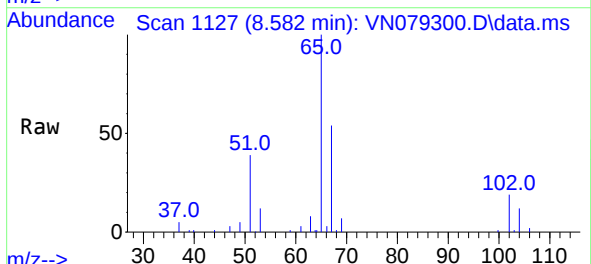


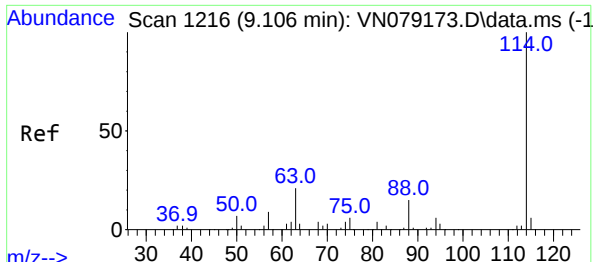
Tgt Ion: 59 Resp: 919
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.934 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

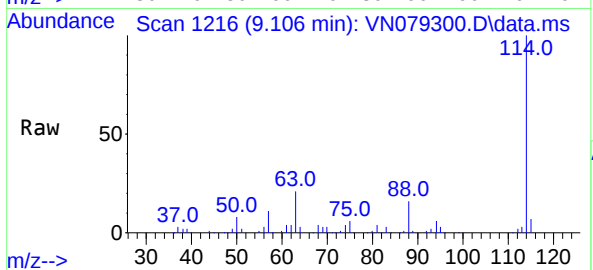
Tgt Ion: 65 Resp: 92128
Ion Ratio Lower Upper
65 100
67 51.0 44.4 66.6



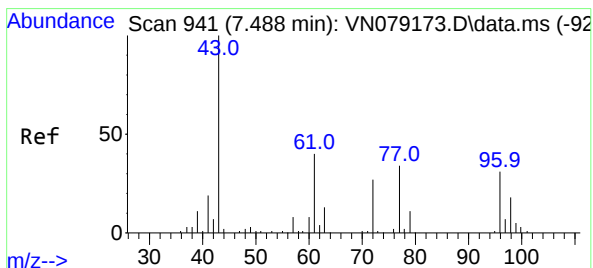
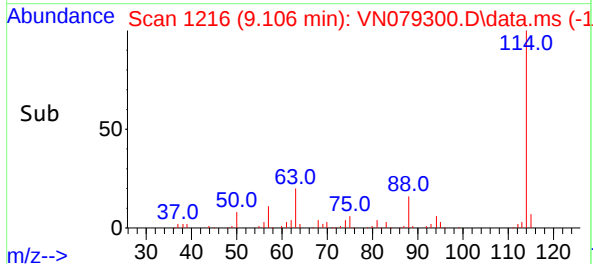
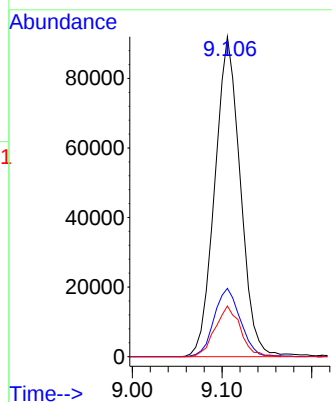


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Instrument :
MSVOA_N
ClientSampleId :

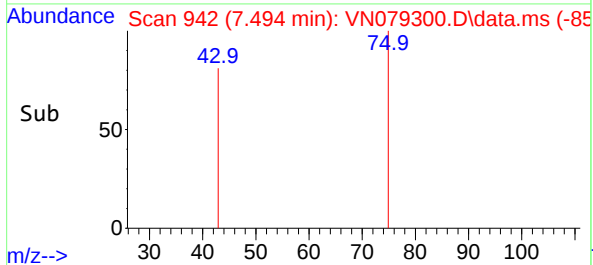
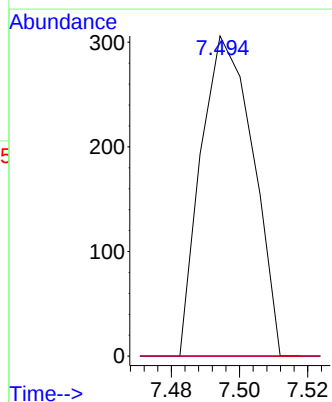
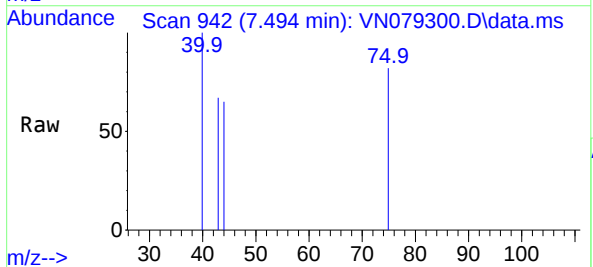


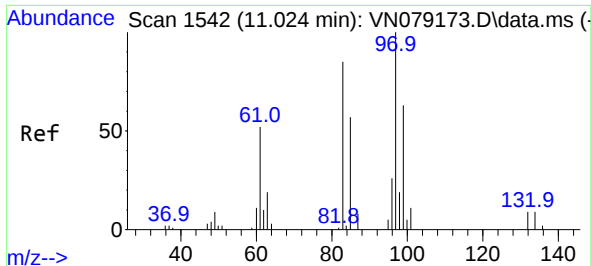
Tgt Ion:114 Resp: 181402
Ion Ratio Lower Upper
114 100
63 22.1 17.0 25.4
88 15.7 12.8 19.2



#30
2-Butanone
Concen: 0.222 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Tgt Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
57 0.0 6.8 10.2#
72 0.0 22.4 33.6#





#50

1,1,2-Trichloroethane

Concen: 3.293 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.453 min

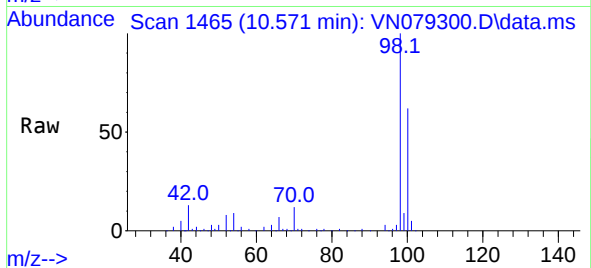
Lab File: VN079300.D

Acq: 19 Sep 2023 13:52

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 7261

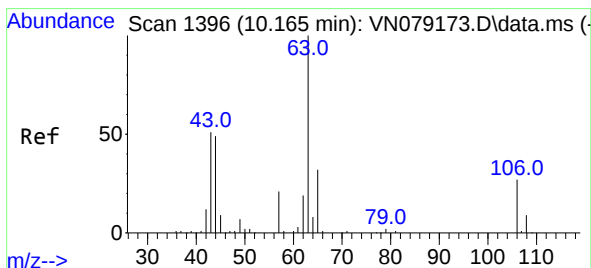
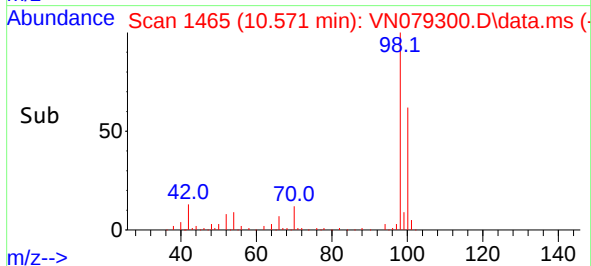
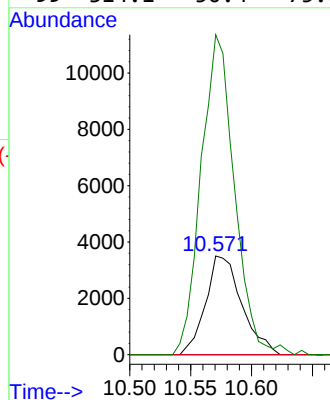
Ion Ratio Lower Upper

97 100

83 0.0 68.9 103.3#

85 0.0 45.3 67.9#

99 314.1 50.4 75.6#



#55

2-Chloroethyl vinyl ether

Concen: 0.456 ug/l

RT: 10.171 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VN079300.D

Acq: 19 Sep 2023 13:52

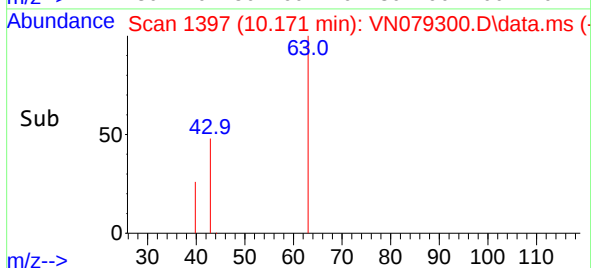
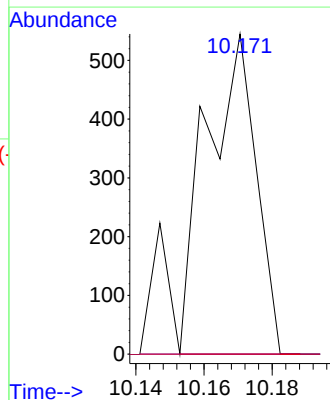
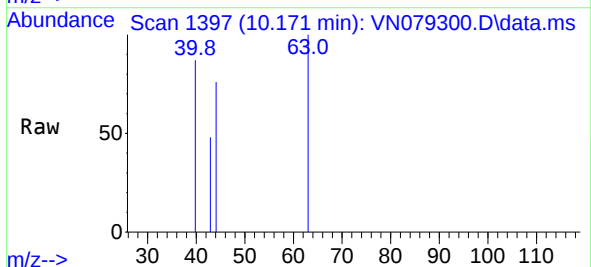
Tgt Ion: 63 Resp: 552

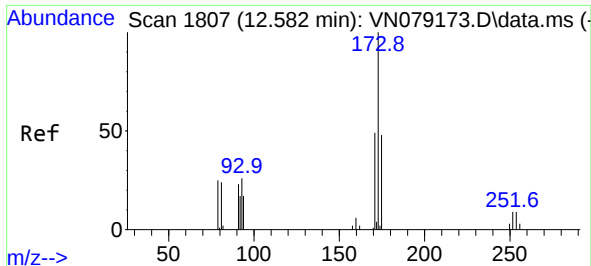
Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#

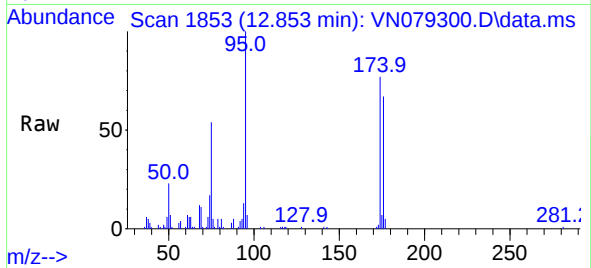
106 0.0 21.9 32.9#



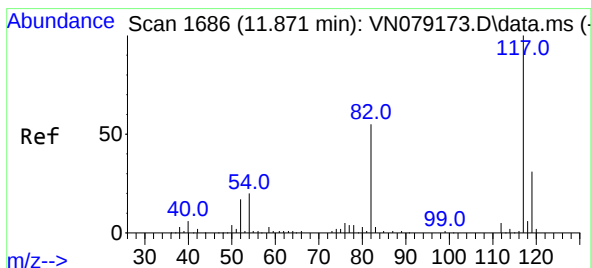
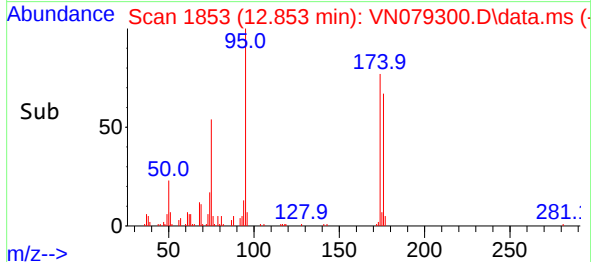
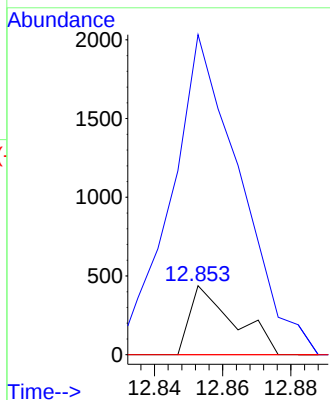


#56
Bromoform
Concen: 0.244 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Instrument :
MSVOA_N
ClientSampleId :

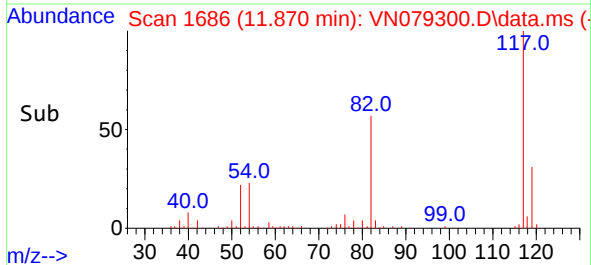
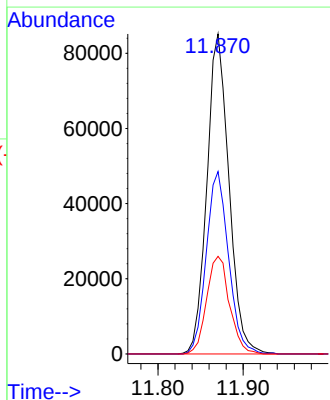
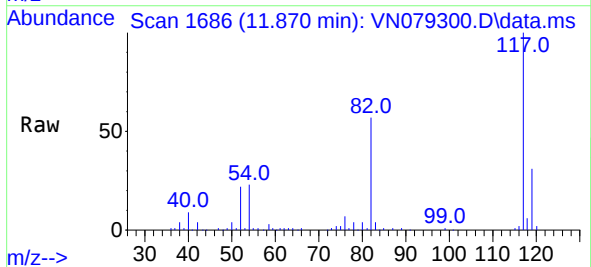


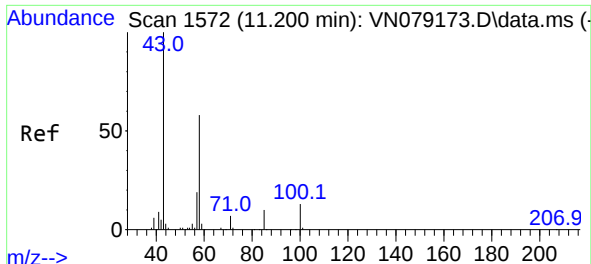
Tgt Ion:173 Resp: 394
Ion Ratio Lower Upper
173 100
175 729.7 37.6 56.4#
254 0.0 7.8 11.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

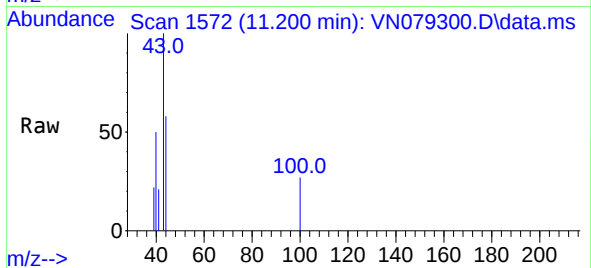
Tgt Ion:117 Resp: 153728
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 31.5 24.9 37.3



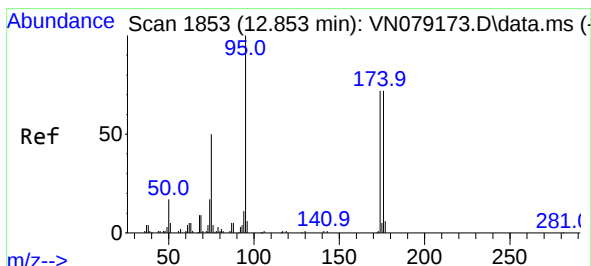
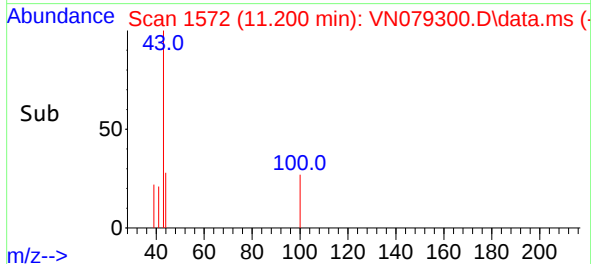
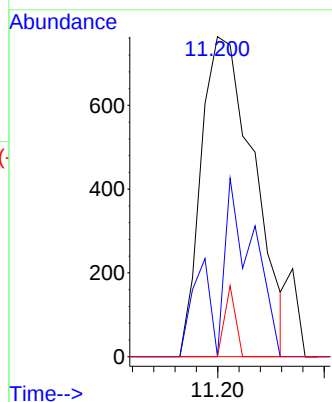


#59
2-Hexanone
Concen: 0.662 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Instrument :
MSVOA_N
ClientSampleId :

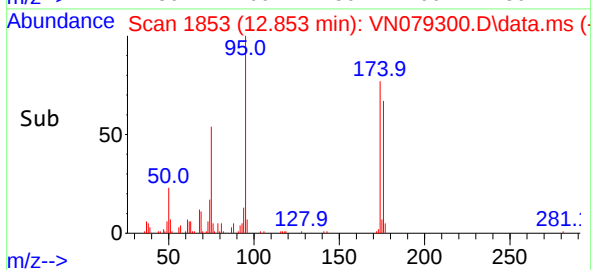
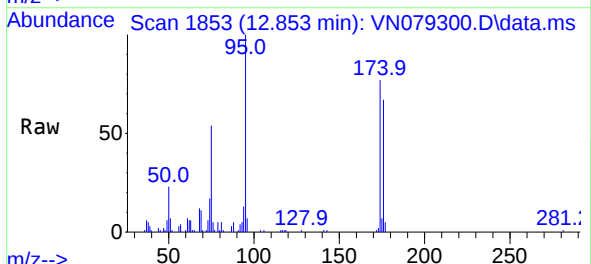
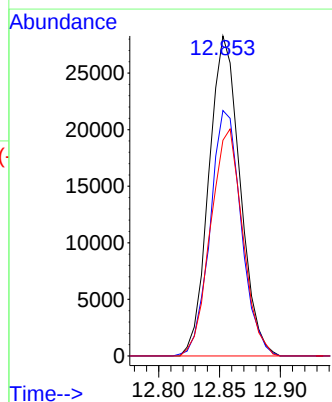


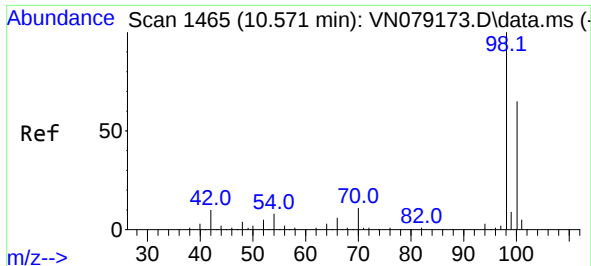
Tgt Ion: 43 Resp: 1312
Ion Ratio Lower Upper
43 100
58 17.1 46.4 69.6#
57 0.0 15.3 22.9#



#60
4-Bromofluorobenzene
Concen: 22.248 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Tgt Ion: 95 Resp: 50395
Ion Ratio Lower Upper
95 100
174 76.4 59.5 89.3
176 72.9 59.1 88.7

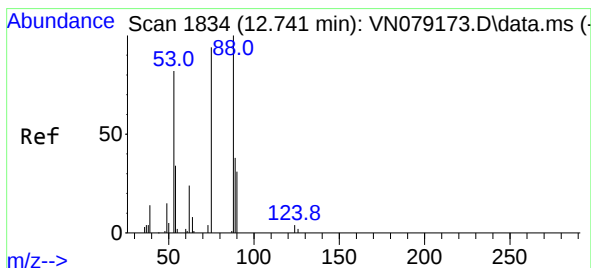
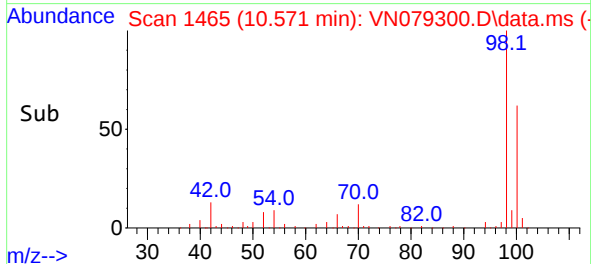
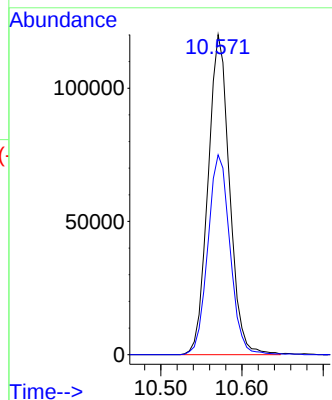
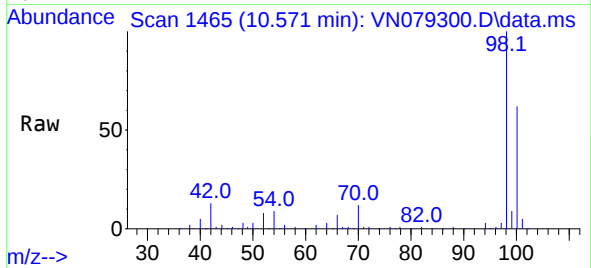




#63
Toluene-d8
Concen: 30.742 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

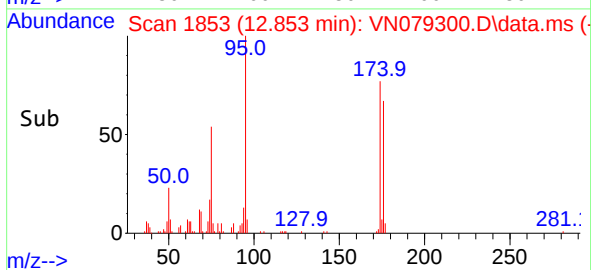
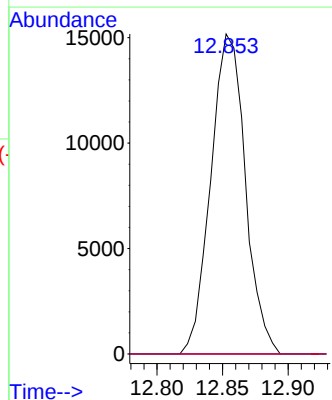
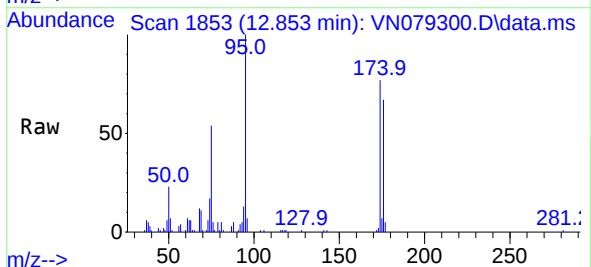
Instrument :
MSVOA_N
ClientSampleId :

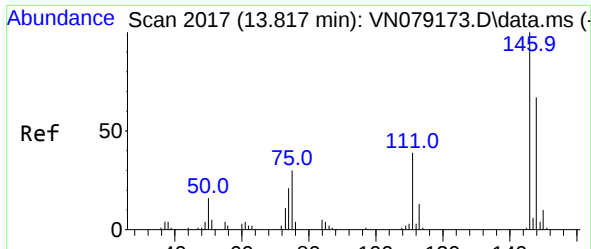
Tgt Ion: 98 Resp: 220855
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



#77
t-1,4-Dichloro-2-butene
Concen: 30.188 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

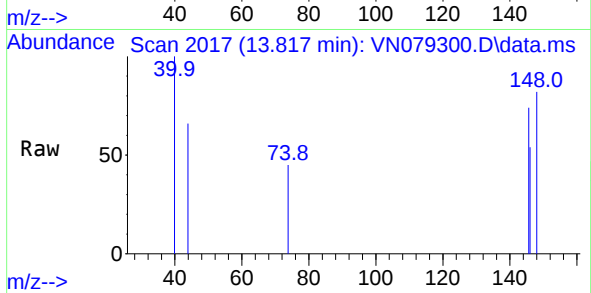
Tgt Ion: 75 Resp: 27809
Ion Ratio Lower Upper
75 100
53 0.0 44.1 132.4#
89 0.0 22.4 67.3#



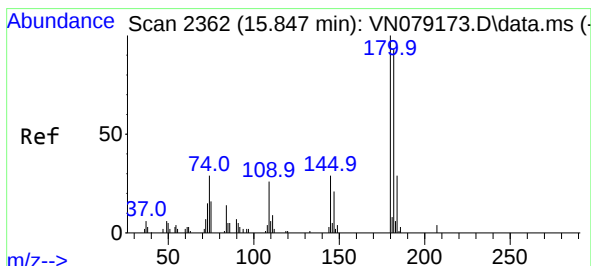
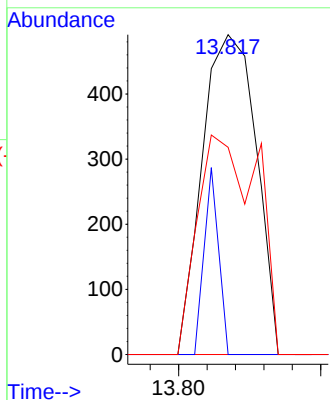
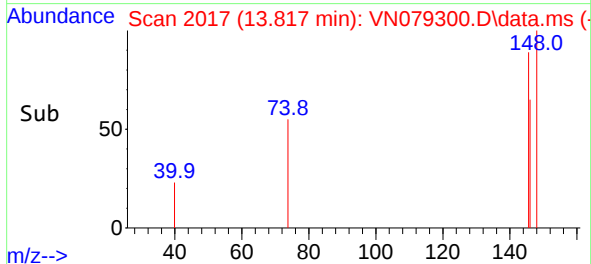


#84
1,4-Dichlorobenzene
Concen: 0.209 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

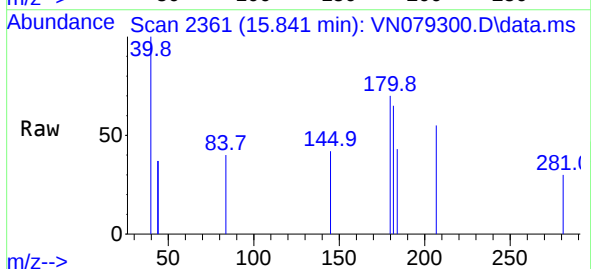
Instrument :
MSVOA_N
ClientSampleId :



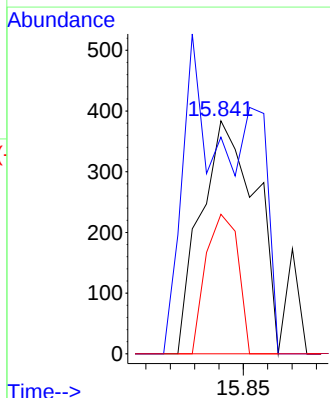
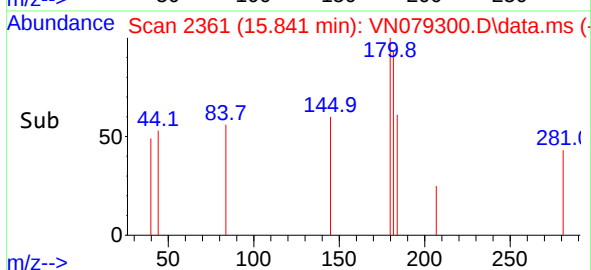
Tgt Ion:146 Resp: 646
Ion Ratio Lower Upper
146 100
111 0.0 19.5 58.5#
148 58.5 32.1 96.5

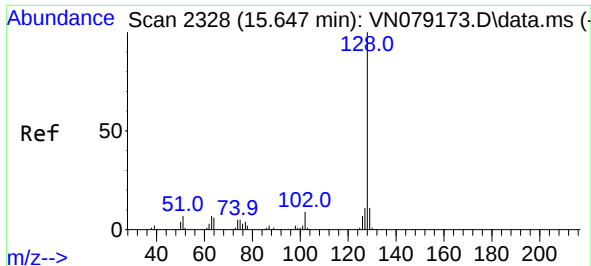


#89
1,2,4-Trichlorobenzene
Concen: 0.434 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52



Tgt Ion:180 Resp: 605
Ion Ratio Lower Upper
180 100
182 59.5 74.5 111.7#
145 34.9 26.2 39.2

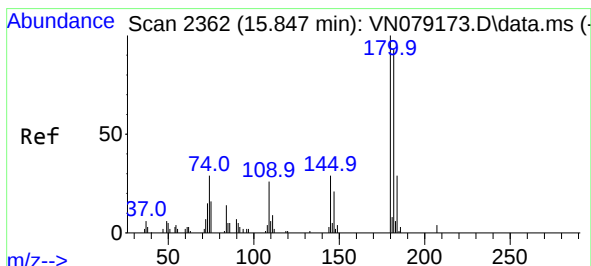
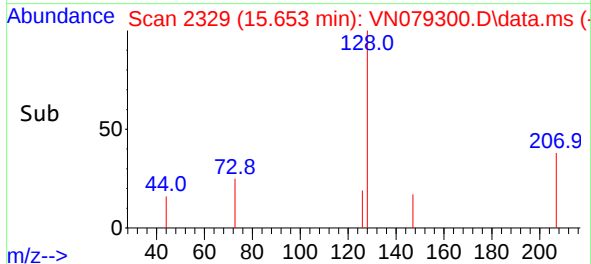
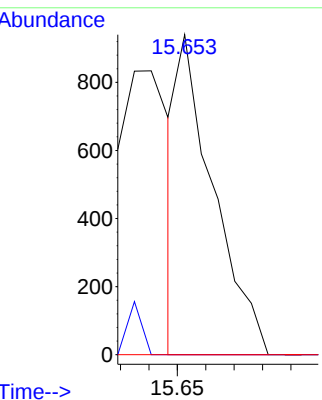
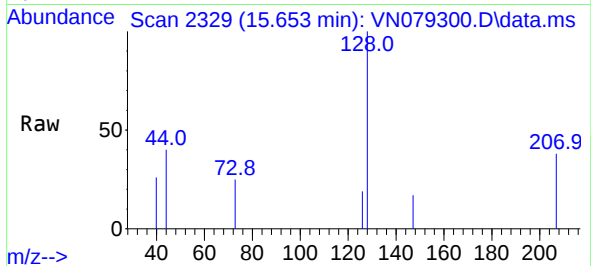




#91
Naphthalene
Concen: 0.228 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 831
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.5 12.7#



#92
1,2,3-Trichlorobenzene
Concen: 0.434 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN079300.D
Acq: 19 Sep 2023 13:52

Tgt Ion:180 Resp: 605
Ion Ratio Lower Upper
180 100
182 59.5 0.0 186.2
145 34.9 0.0 65.4

