

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079192.D
 Acq On : 08 Sep 2023 12:51
 Operator : JC\MD
 Sample : VN0908WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 17:20:27 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)

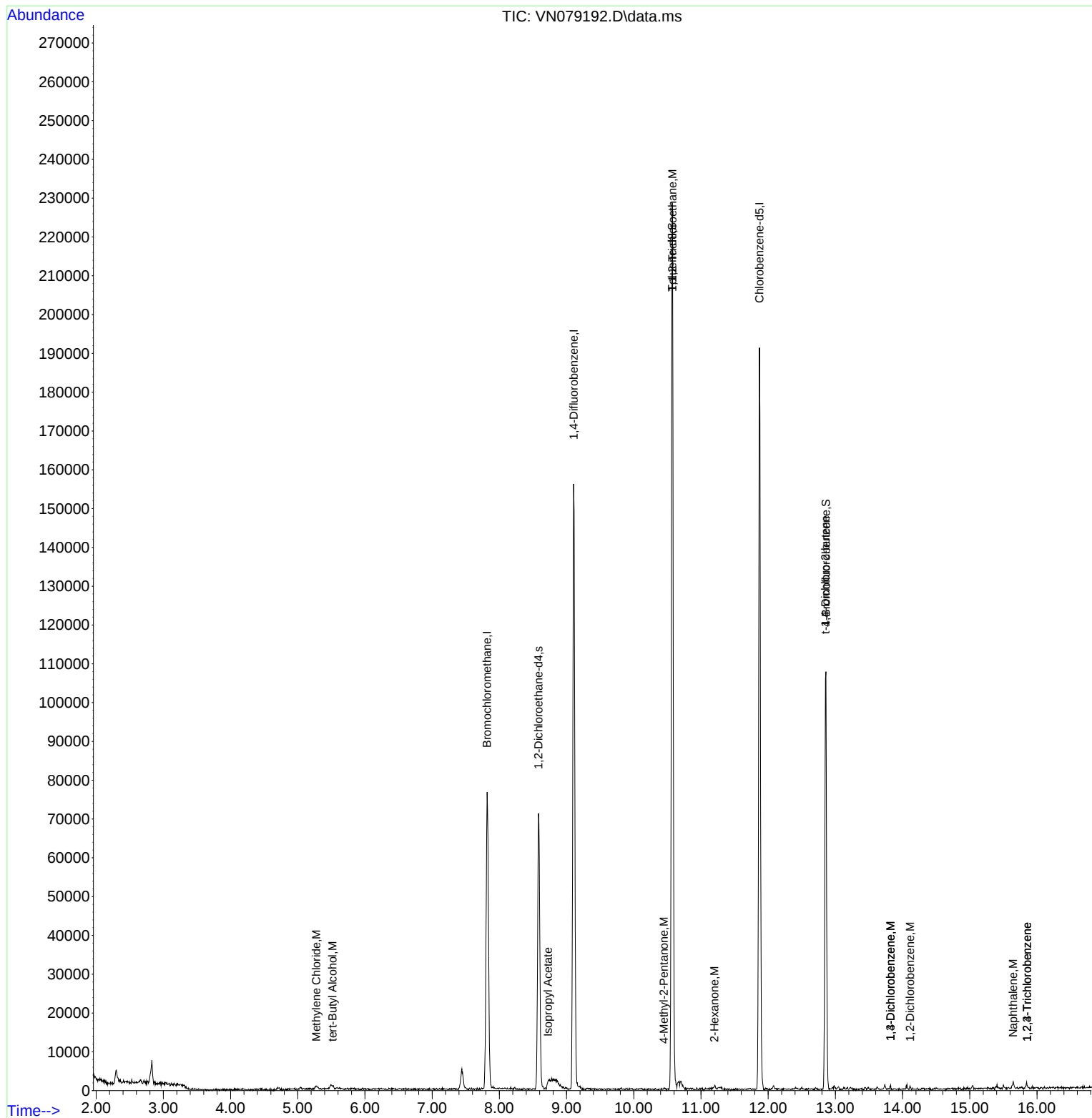
Internal Standards						
1) Bromochloromethane	7.818	128	28601	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	137367	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	116728	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	59146	27.525	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.733%
60) 4-Bromofluorobenzene	12.859	95	41886	24.353	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.167%
63) Toluene-d8	10.571	98	166945	30.603	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.000%
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.277	84	436	0.323	ug/l #	36
23) tert-Butyl Alcohol	5.518	59	407	1.538	ug/l #	100
44) Isopropyl Acetate	8.724	43	859	0.227	ug/l #	1
50) 1,1,2-Trichloroethane	10.577	97	5093	3.050	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	453	0.211	ug/l #	41
59) 2-Hexanone	11.200	43	969	0.644	ug/l #	62
77) t-1,4-Dichloro-2-butene	12.853	75	20966	29.974	ug/l #	14
83) 1,3-Dichlorobenzene	13.823	146	531	0.212	ug/l	79
84) 1,4-Dichlorobenzene	13.823	146	531	0.226	ug/l	79
87) 1,2-Dichlorobenzene	14.112	146	496	0.201	ug/l	70
89) 1,2,4-Trichlorobenzene	15.853	180	313	0.296	ug/l #	12
91) Naphthalene	15.647	128	2205	0.798	ug/l #	70
92) 1,2,3-Trichlorobenzene	15.853	180	313	0.296	ug/l #	12

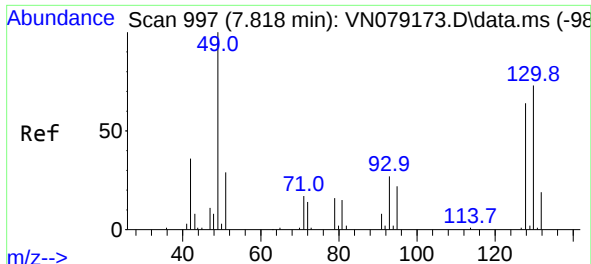
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
Data File : VN079192.D
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Instrument :
MSVOA_N
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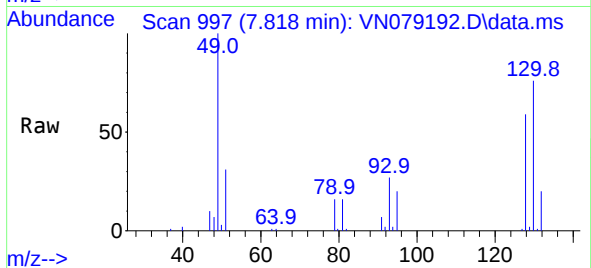
Quant Time: Sep 08 17:20:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
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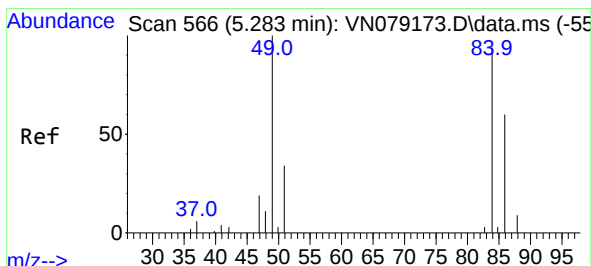
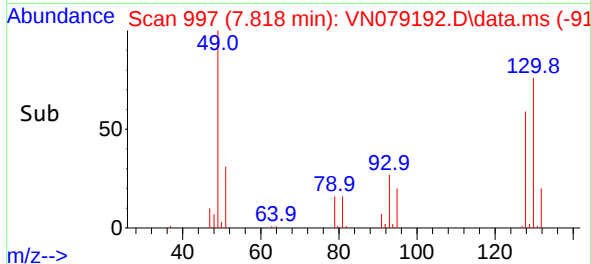
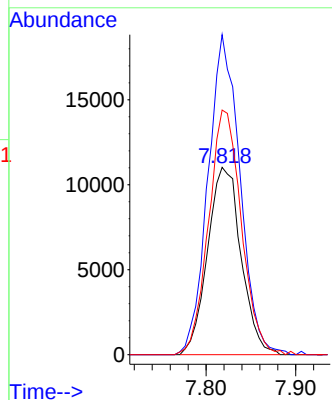


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

Instrument :
MSVOA_N
ClientSampleId :

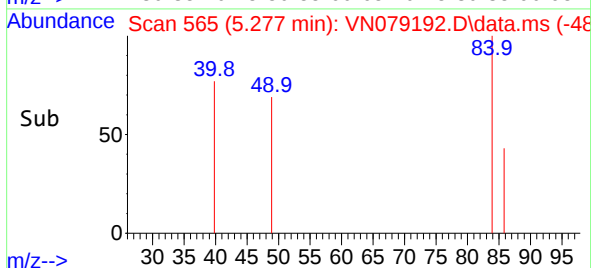
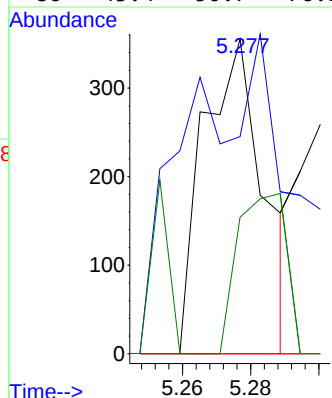
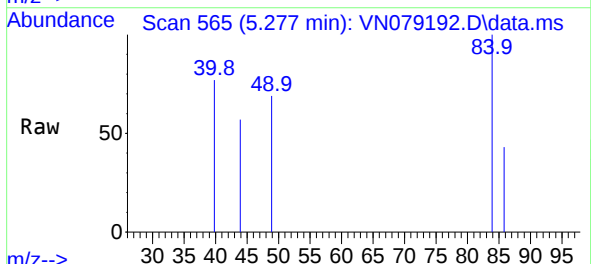


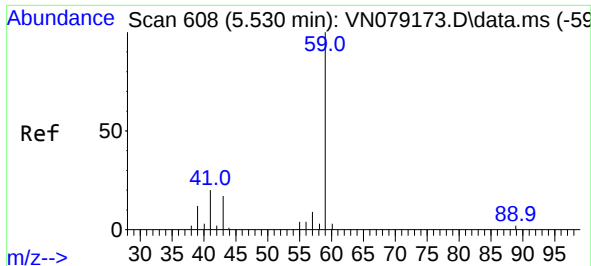
Tgt Ion:128 Resp: 28601
Ion Ratio Lower Upper
128 100
49 162.8 0.0 414.3
130 127.2 0.0 311.0



#18
Methylene Chloride
Concen: 0.323 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

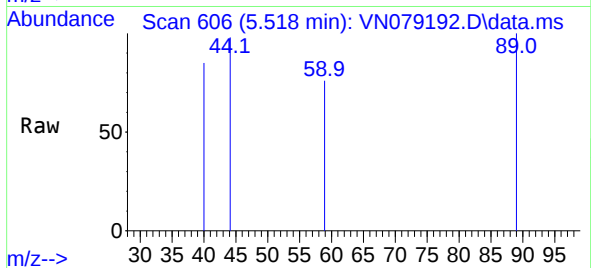
Tgt Ion: 84 Resp: 436
Ion Ratio Lower Upper
84 100
49 17.5 86.9 130.3#
51 0.0 28.6 43.0#
86 43.4 50.7 76.1#



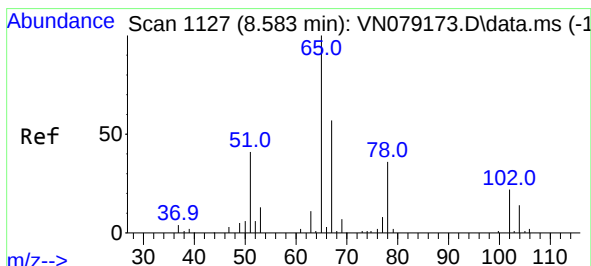
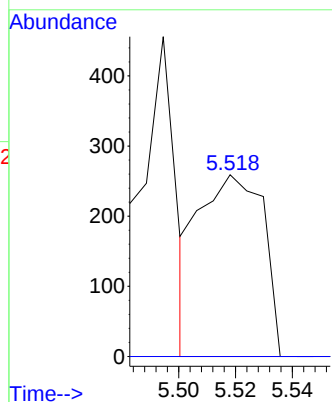
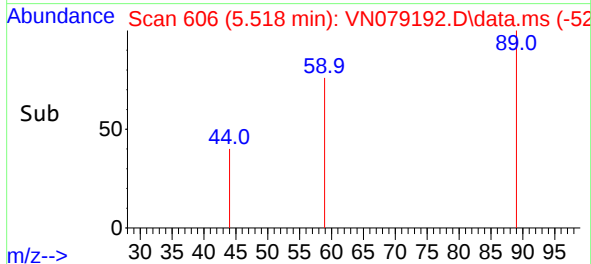


#23
tert-Butyl Alcohol
Concen: 1.538 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

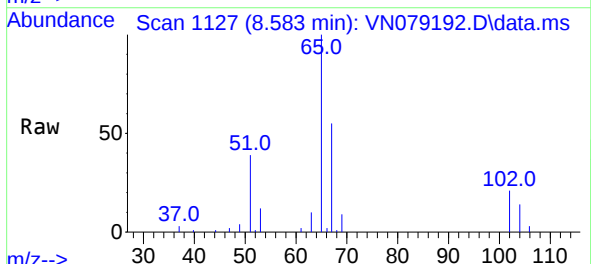
Instrument :
MSVOA_N
ClientSampleId :



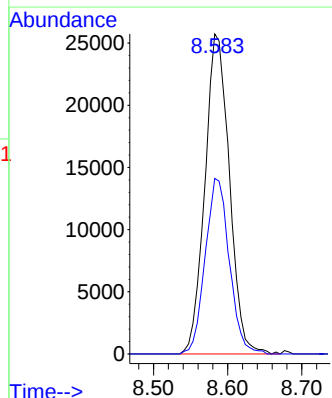
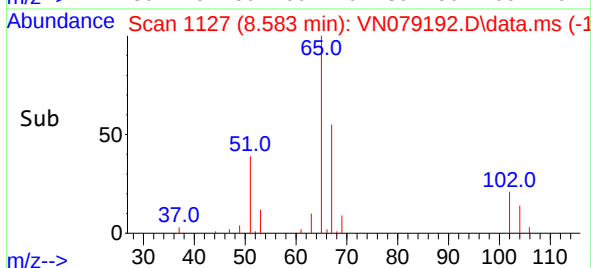
Tgt Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

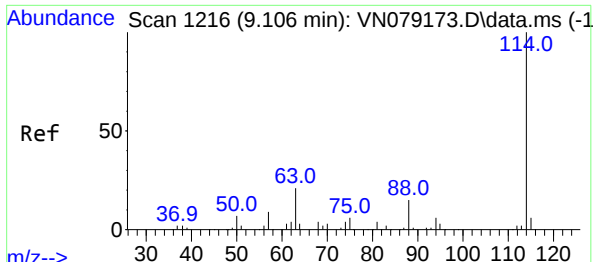


#27
1,2-Dichloroethane-d4
Concen: 27.525 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51



Tgt Ion: 65 Resp: 59146
Ion Ratio Lower Upper
65 100
67 54.0 44.4 66.6

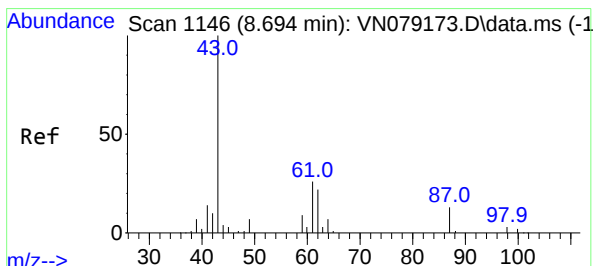
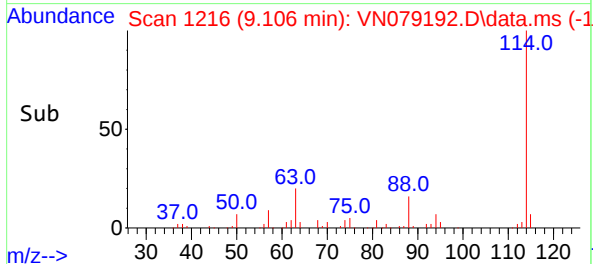
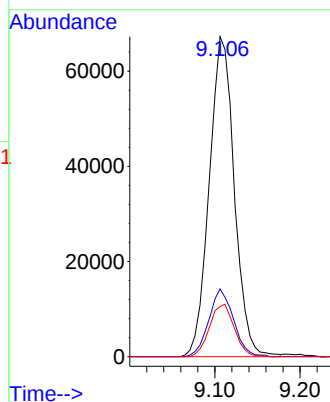
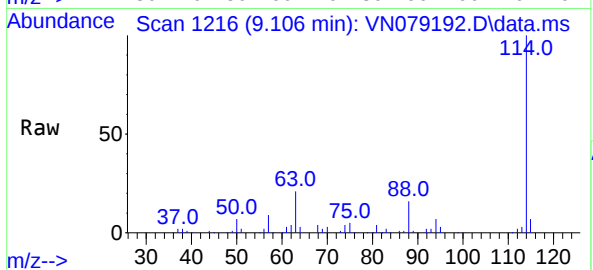




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

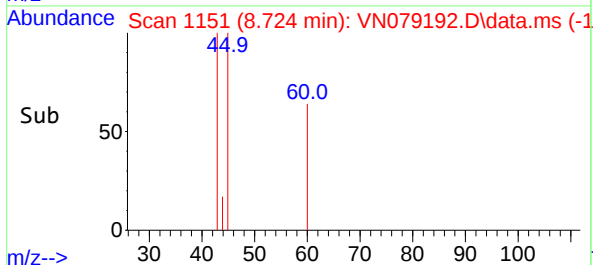
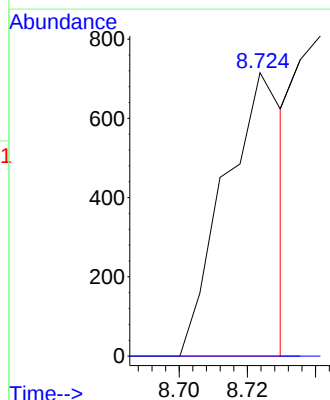
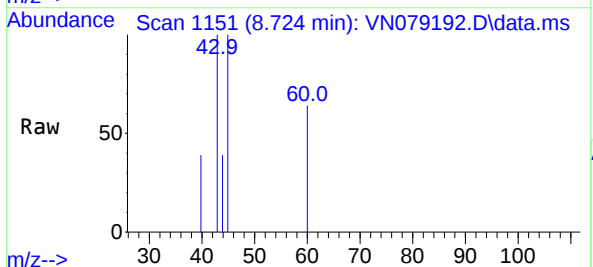
Instrument :
MSVOA_N
ClientSampleId :

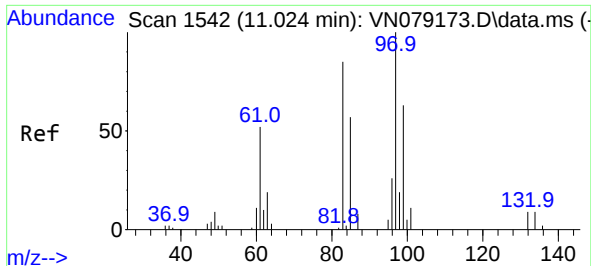
Tgt Ion:114 Resp: 137367
Ion Ratio Lower Upper
114 100
63 20.7 17.0 25.4
88 16.1 12.8 19.2



#44
Isopropyl Acetate
Concen: 0.227 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.030 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

Tgt Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
61 112.1 22.6 33.8#





#50

1,1,2-Trichloroethane

Concen: 3.050 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.447 min

Lab File: VN079192.D

Acq: 08 Sep 2023 12:51

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 97 Resp: 5093

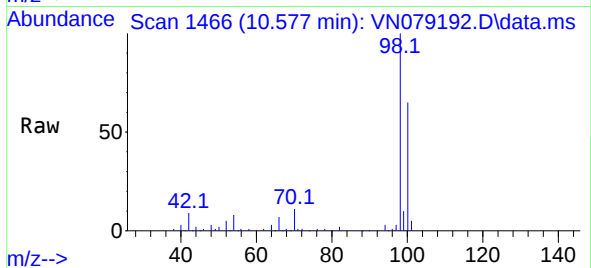
Ion Ratio Lower Upper

97 100

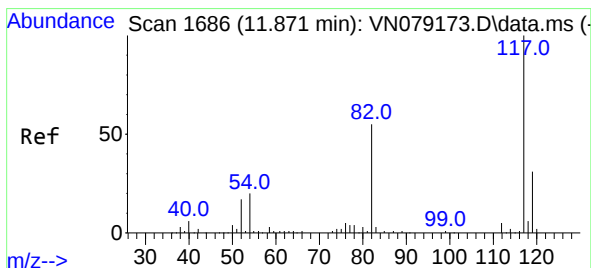
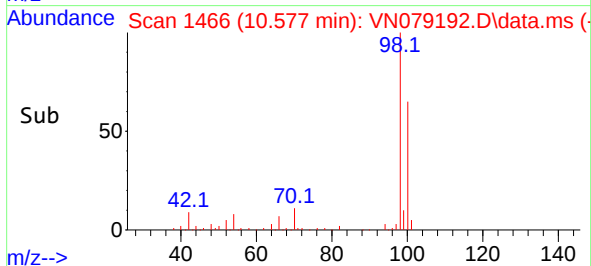
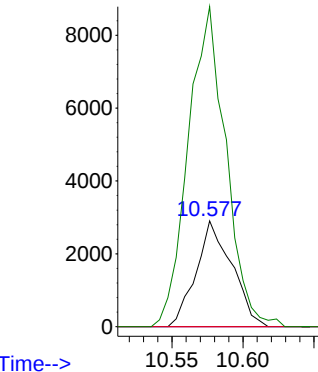
83 0.0 68.9 103.3#

85 0.0 45.3 67.9#

99 296.5 50.4 75.6#



Abundance



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VN079192.D

Acq: 08 Sep 2023 12:51

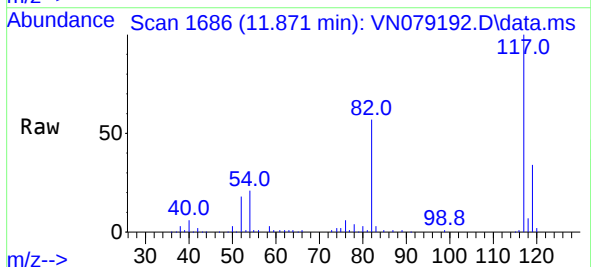
Tgt Ion: 117 Resp: 116728

Ion Ratio Lower Upper

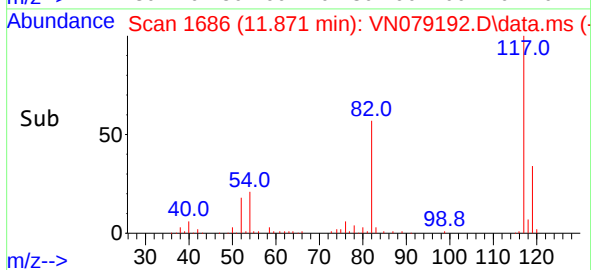
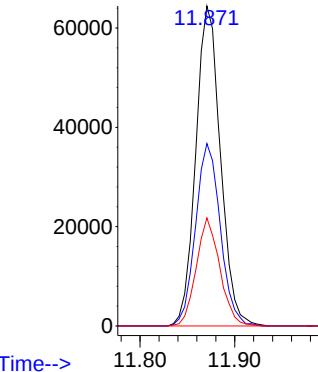
117 100

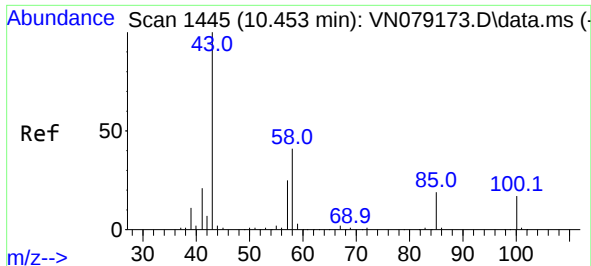
82 57.3 44.7 67.1

119 32.3 24.9 37.3



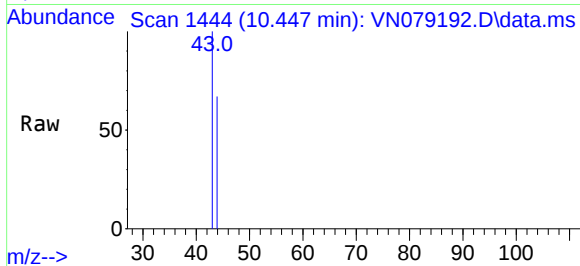
Abundance



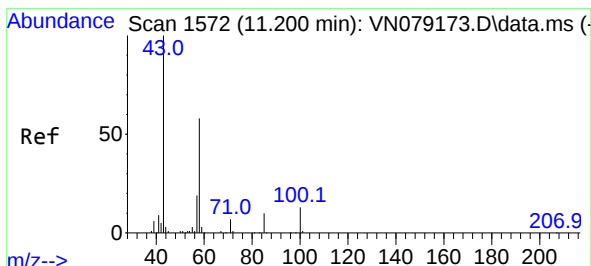
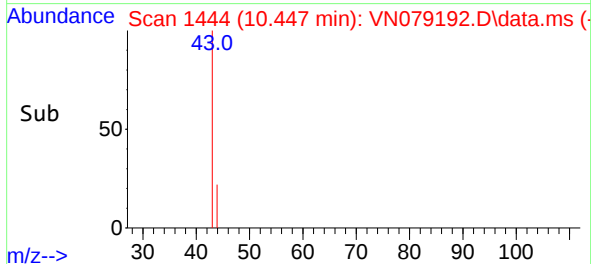
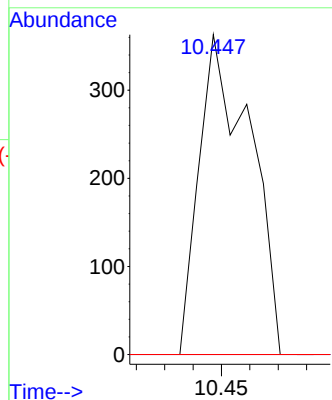


#58
4-Methyl-2-Pentanone
Concen: 0.211 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

Instrument :
MSVOA_N
ClientSampleId :

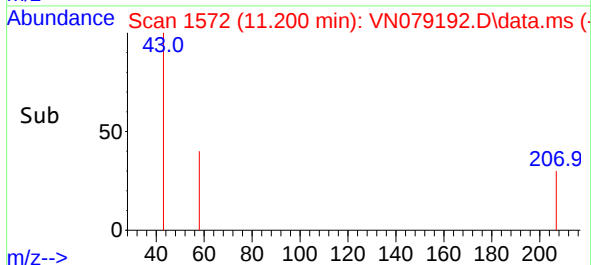
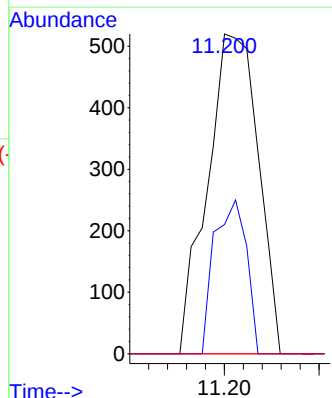
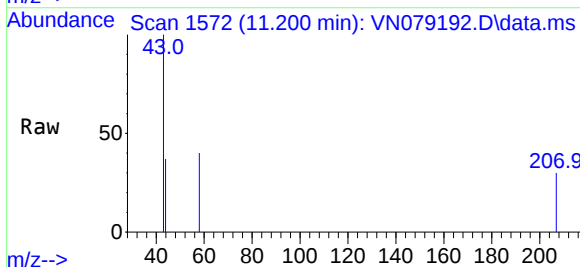


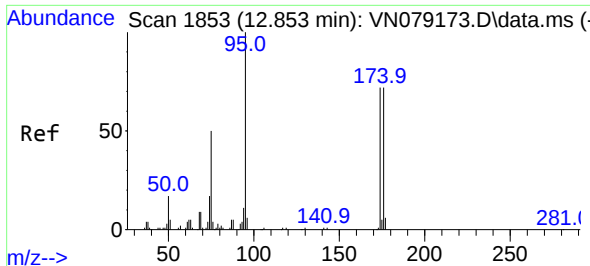
Tgt Ion: 43 Resp: 453
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#
85 0.0 15.0 22.4#



#59
2-Hexanone
Concen: 0.644 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

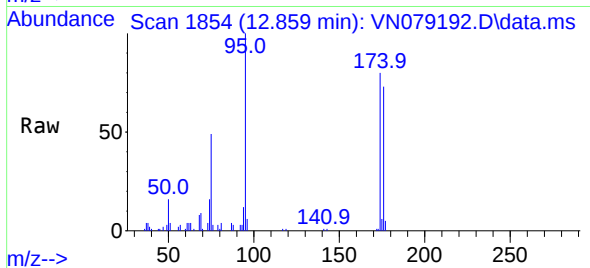
Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
58 30.3 46.4 69.6#
57 0.0 15.3 22.9#



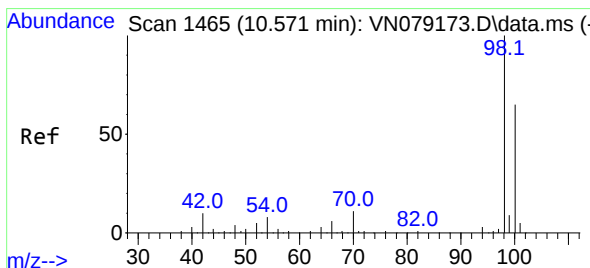
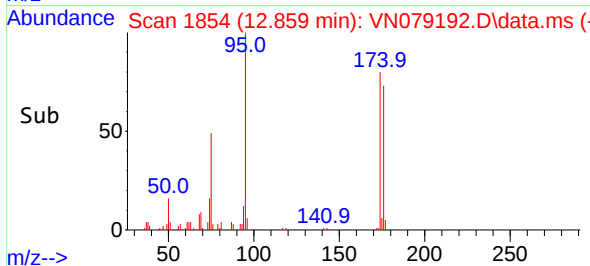
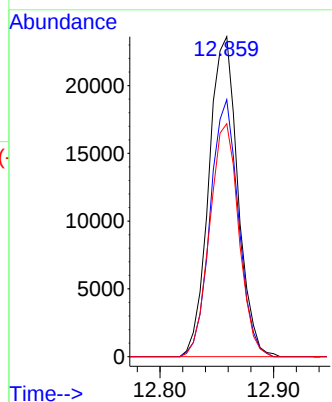


#60
4-Bromofluorobenzene
Concen: 24.353 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

Instrument :
MSVOA_N
ClientSampleId :

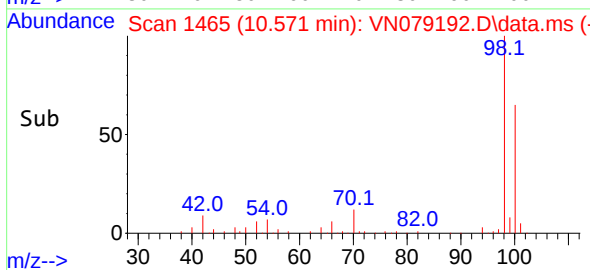
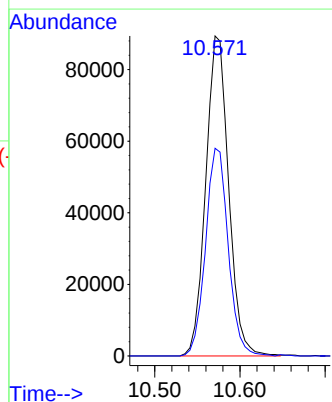
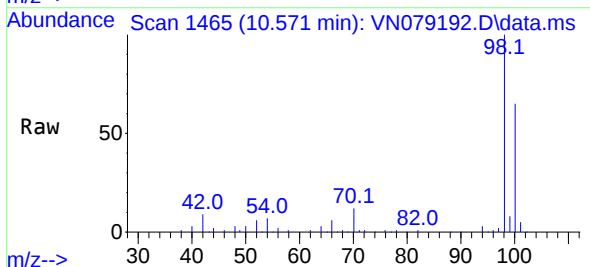


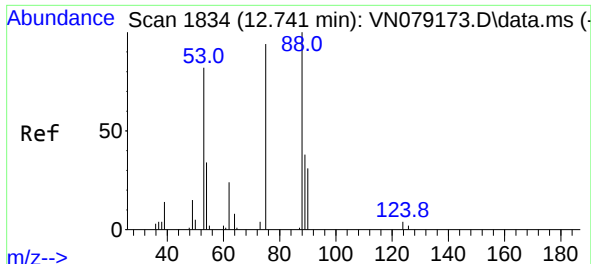
Tgt Ion: 95 Resp: 41886
Ion Ratio Lower Upper
95 100
174 78.1 59.5 89.3
176 73.0 59.1 88.7



#63
Toluene-d8
Concen: 30.603 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

Tgt Ion: 98 Resp: 166945
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7





#77

t-1,4-Dichloro-2-butene

Concen: 29.974 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN079192.D

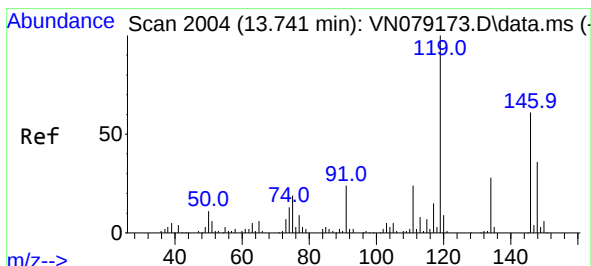
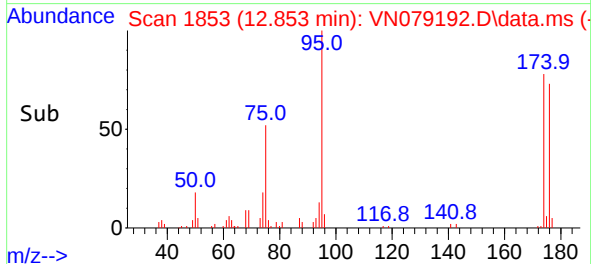
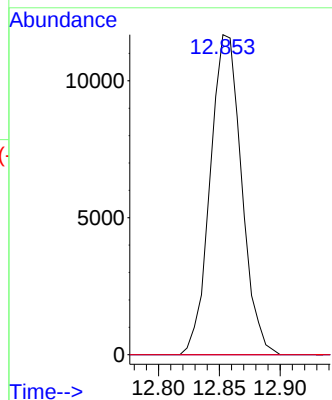
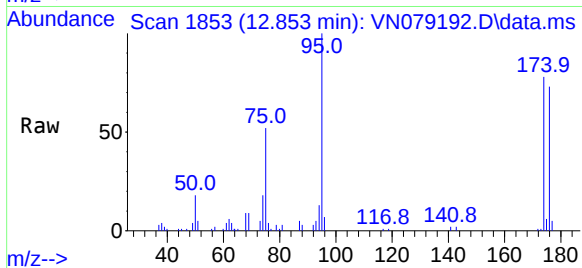
Acq: 08 Sep 2023 12:51

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	20966
Ion	Ratio	Lower	Upper
75	100		
53	0.0	44.1	132.4#
89	0.0	22.4	67.3#



#83

1,3-Dichlorobenzene

Concen: 0.212 ug/l

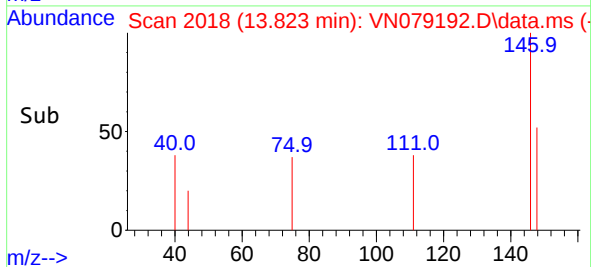
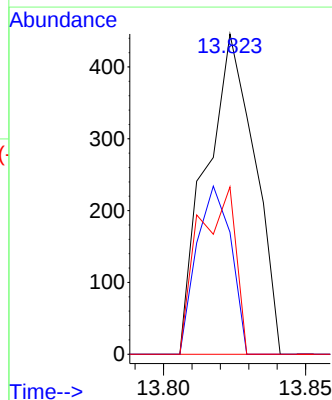
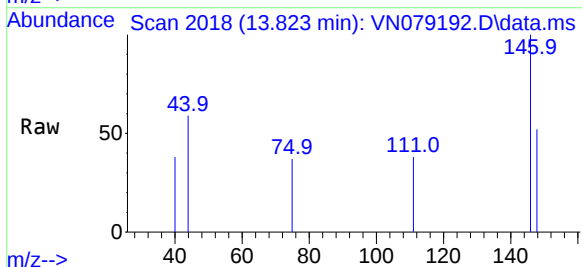
RT: 13.823 min Scan# 2018

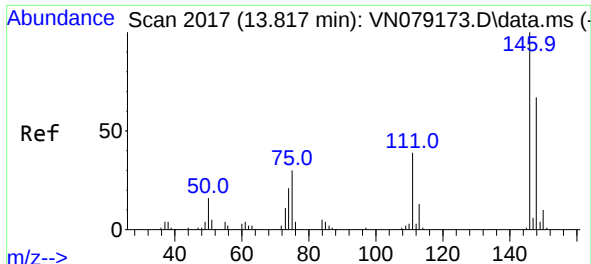
Delta R.T. 0.082 min

Lab File: VN079192.D

Acq: 08 Sep 2023 12:51

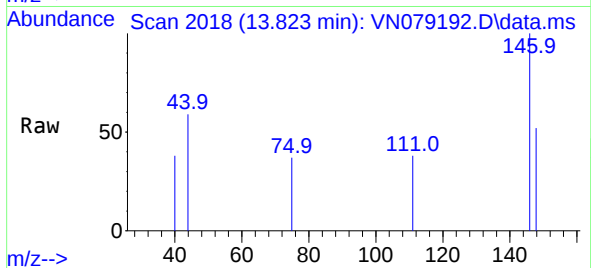
Tgt Ion:	146	Resp:	531
Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.5	61.5
148	39.5	31.8	95.3



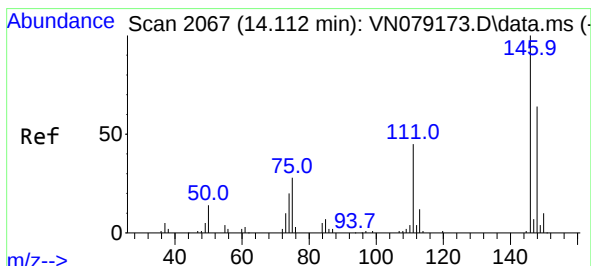
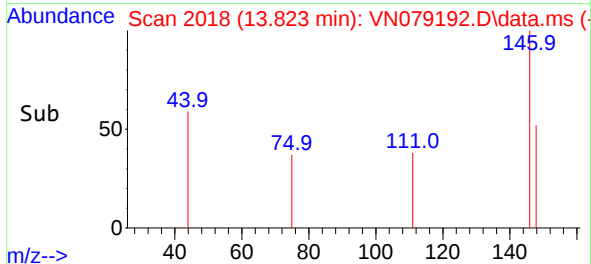
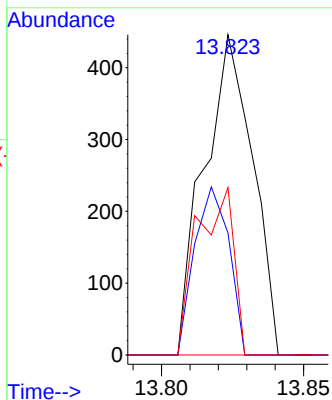


#84
1,4-Dichlorobenzene
Concen: 0.226 ug/l
RT: 13.823 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

Instrument :
MSVOA_N
ClientSampleId :

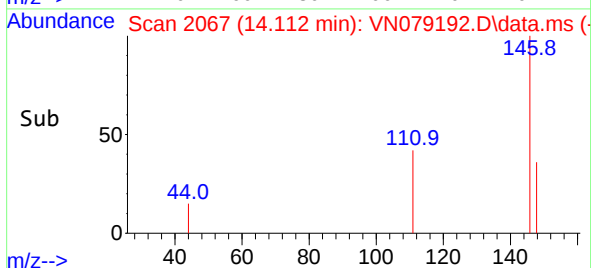
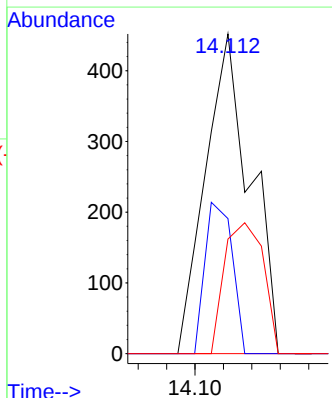
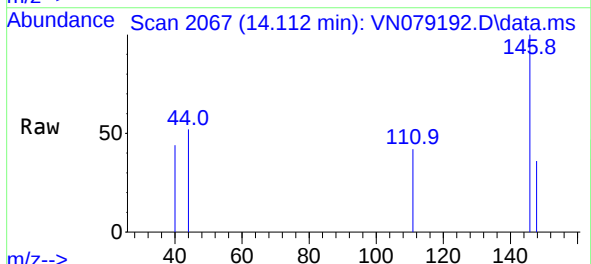


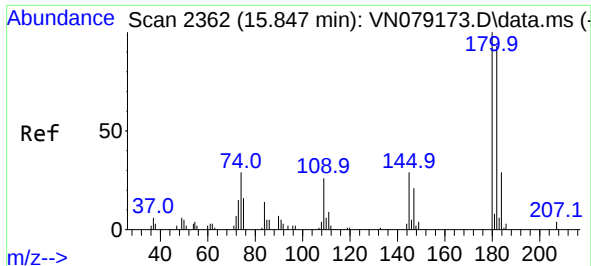
Tgt Ion:146 Resp: 531
Ion Ratio Lower Upper
146 100
111 37.1 19.5 58.5
148 39.5 32.1 96.5



#87
1,2-Dichlorobenzene
Concen: 0.201 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. -0.000 min
Lab File: VN079192.D
Acq: 08 Sep 2023 12:51

Tgt Ion:146 Resp: 496
Ion Ratio Lower Upper
146 100
111 28.8 21.5 64.5
148 35.5 31.8 95.3





#89

1,2,4-Trichlorobenzene

Concen: 0.296 ug/l

RT: 15.853 min Scan# 21

Delta R.T. 0.006 min

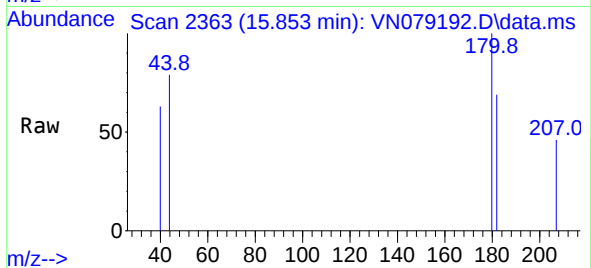
Lab File: VN079192.D

Acq: 08 Sep 2023 12:51

Instrument :

MSVOA_N

ClientSampleId :



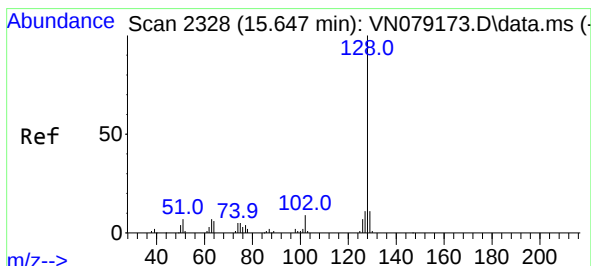
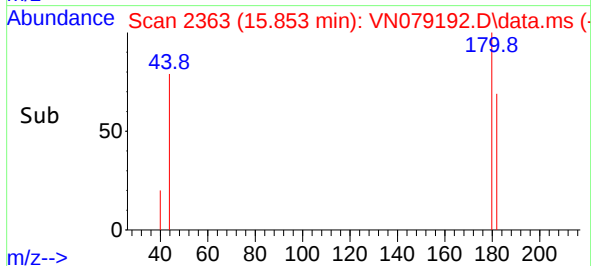
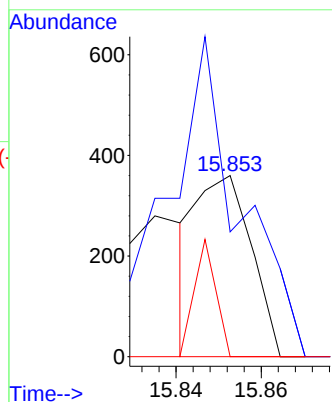
Tgt Ion:180 Resp: 313

Ion Ratio Lower Upper

180 100

182 187.5 74.5 111.7#

145 0.0 26.2 39.2#



#91

Naphthalene

Concen: 0.798 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN079192.D

Acq: 08 Sep 2023 12:51

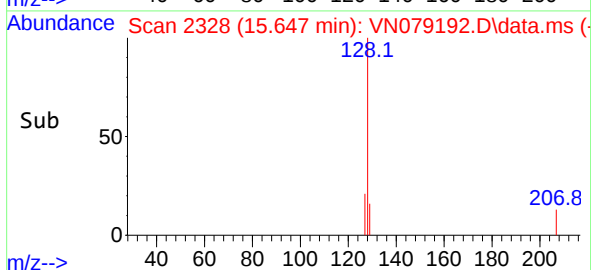
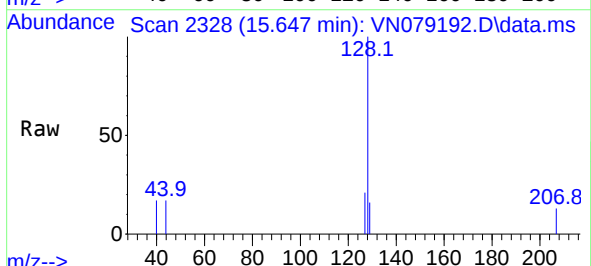
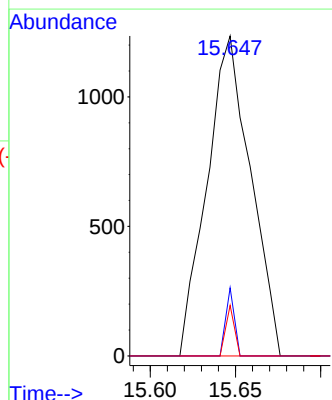
Tgt Ion:128 Resp: 2205

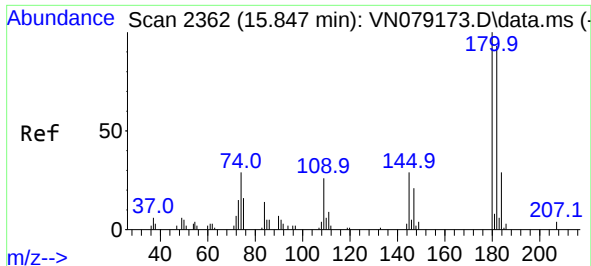
Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.5 12.7#





#92

1,2,3-Trichlorobenzene

Concen: 0.296 ug/l

RT: 15.853 min Scan# 21

Delta R.T. 0.006 min

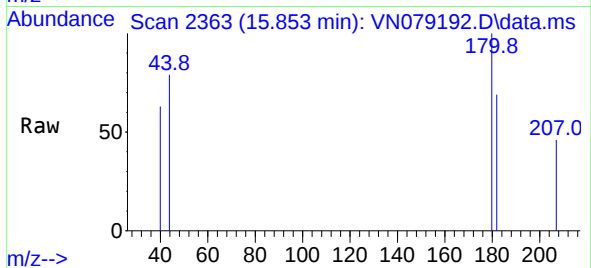
Lab File: VN079192.D

Acq: 08 Sep 2023 12:51

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 313

Ion Ratio Lower Upper

180 100

182 187.5 0.0 186.2#

145 0.0 0.0 65.4

