

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
 Data File : VN074892.D
 Acq On : 13 Oct 2022 12:50
 Operator : JC\MD
 Sample : VN1013WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBL01

Quant Time: Oct 14 05:04:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

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

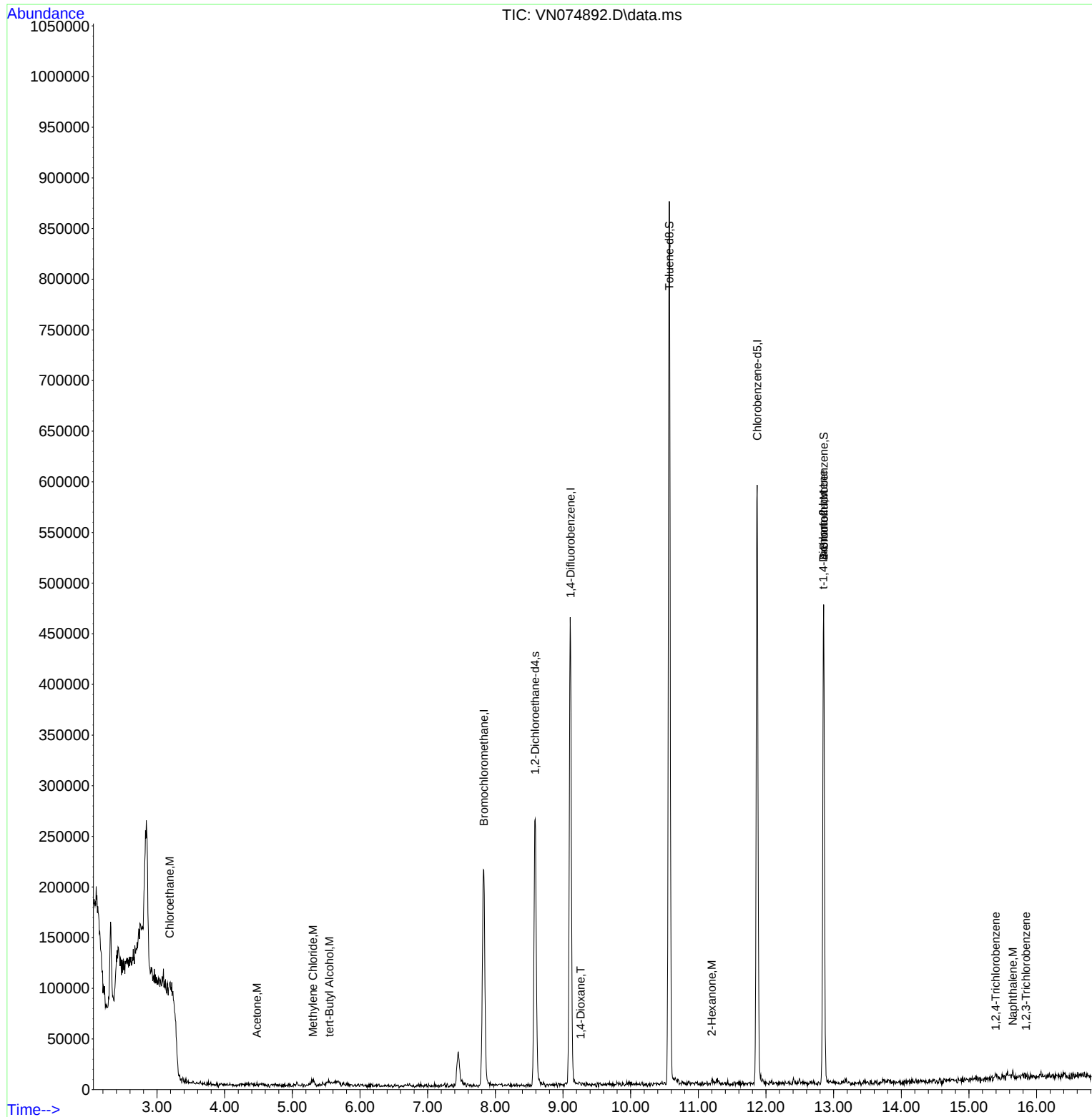
Internal Standards						
1) Bromochloromethane	7.830	128	69874	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	396097	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	334445	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	207844	31.772	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.900%
60) 4-Bromofluorobenzene	12.853	95	147618	24.889	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.967%
63) Toluene-d8	10.571	98	584052	30.258	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.867%
Target Compounds						
					Qvalue	
6) Chloroethane	3.189	64	2976	0.429	ug/l	99
15) Acetone	4.477	58	282	0.268	ug/l #	32
18) Methylene Chloride	5.306	84	2645	0.478	ug/l #	20
23) tert-Butyl Alcohol	5.548	59	1191	0.737	ug/l #	100
45) 1,4-Dioxane	9.259	88	56	0.356	ug/l #	1
56) Bromoform	12.853	173	2094	0.497	ug/l #	1
59) 2-Hexanone	11.200	43	2195	0.274	ug/l #	67
77) t-1,4-Dichloro-2-butene	12.847	75	88758	27.471	ug/l #	16
89) 1,2,4-Trichlorobenzene	15.394	180	1376	0.300	ug/l	95
91) Naphthalene	15.647	128	5591	0.307	ug/l #	85
92) 1,2,3-Trichlorobenzene	15.841	180	1146	0.239	ug/l	58

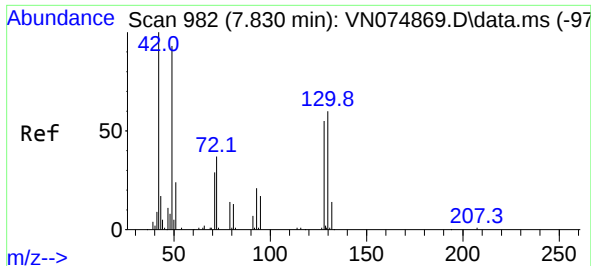
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
Data File : VN074892.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBL01

Quant Time: Oct 14 05:04:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 13 07:52:24 2022
Response via : Initial Calibration

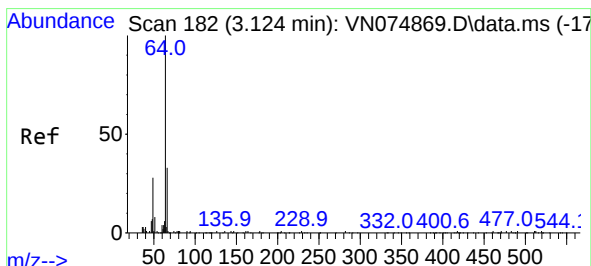
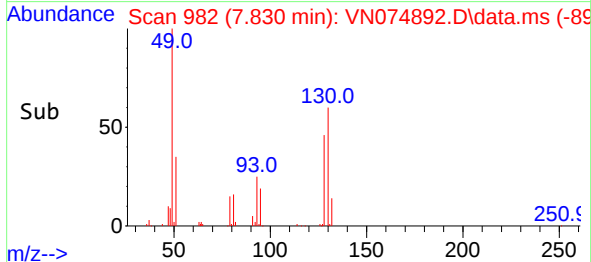
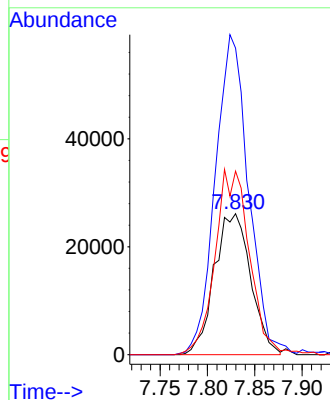
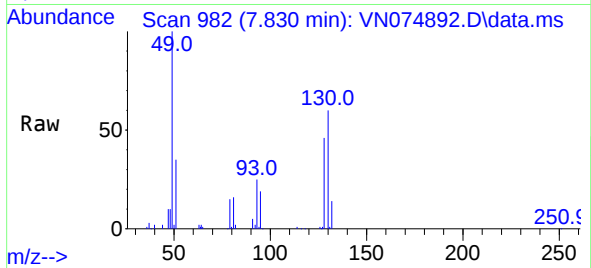




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.830 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

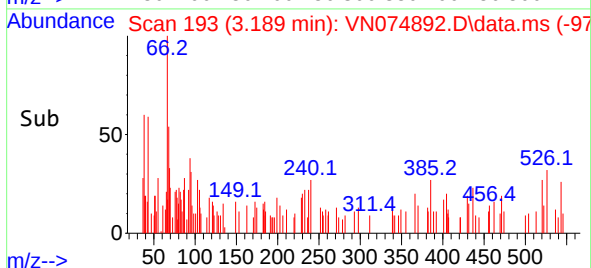
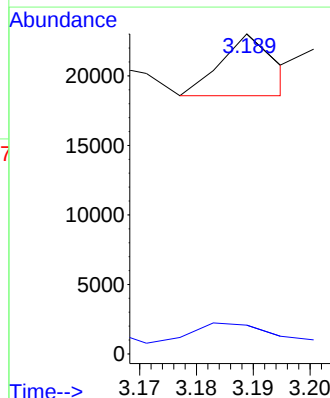
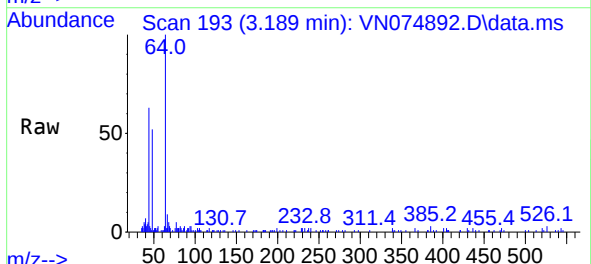
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBL01

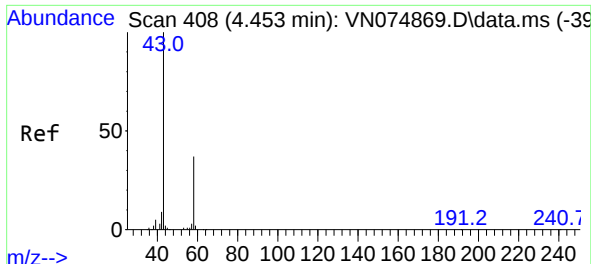
Tgt Ion:128 Resp: 69874
Ion Ratio Lower Upper
128 100
49 207.3 0.0 492.0
130 61.6 0.0 313.3



#6
Chloroethane
Concen: 0.429 ug/l
RT: 3.189 min Scan# 193
Delta R.T. 0.065 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

Tgt Ion: 64 Resp: 2976
Ion Ratio Lower Upper
64 100
66 27.9 21.8 32.8

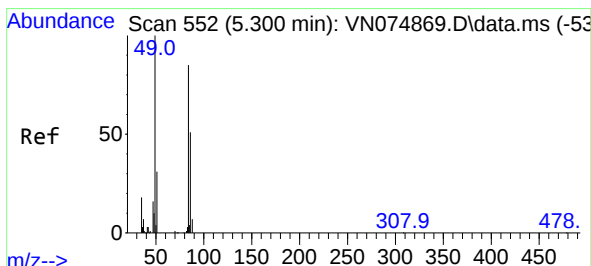
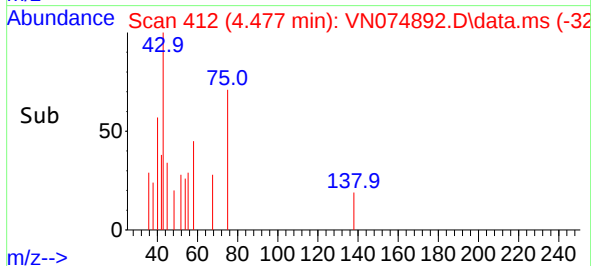
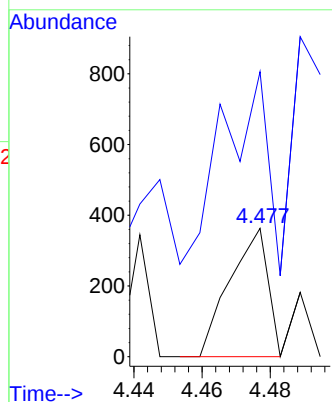
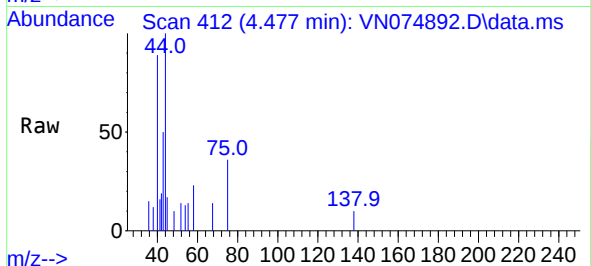




#15
Acetone
Concen: 0.268 ug/l
RT: 4.477 min Scan# 411
Delta R.T. 0.024 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

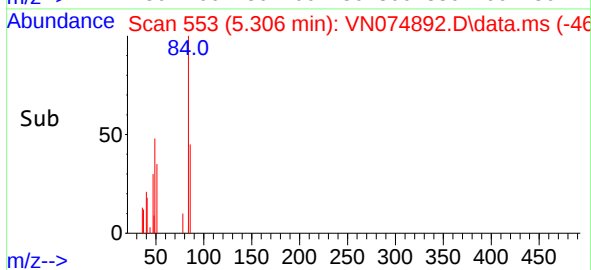
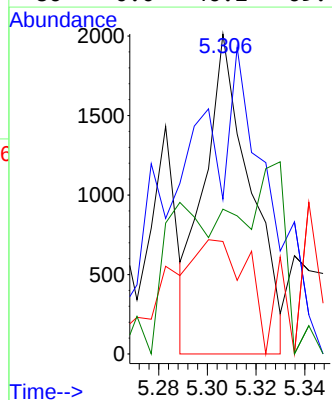
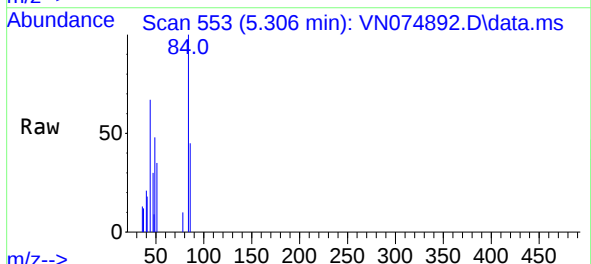
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBL01

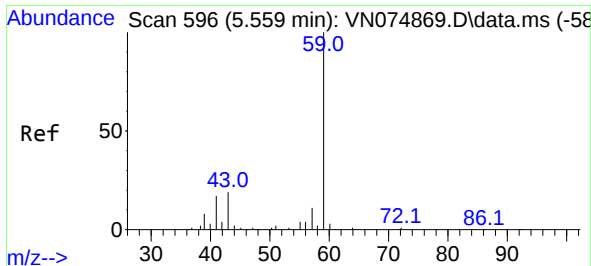
Tgt Ion: 58 Resp: 282
Ion Ratio Lower Upper
58 100
43 159.0 232.2 348.4#



#18
Methylene Chloride
Concen: 0.478 ug/l
RT: 5.306 min Scan# 553
Delta R.T. 0.006 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

Tgt Ion: 84 Resp: 2645
Ion Ratio Lower Upper
84 100
49 18.6 99.6 149.4#
51 12.2 28.2 42.2#
86 0.0 46.2 69.4#

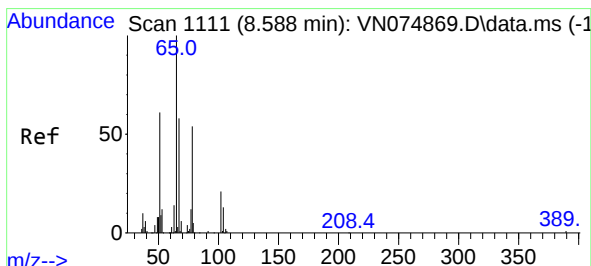
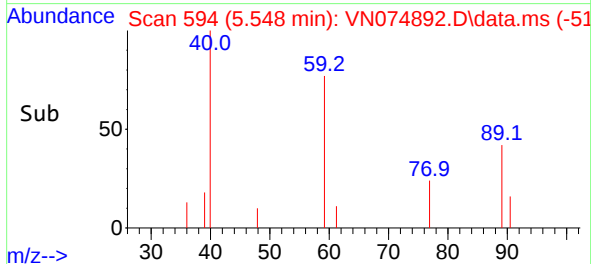
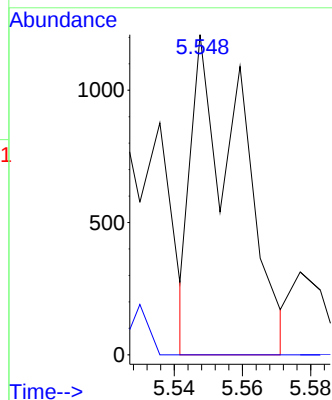
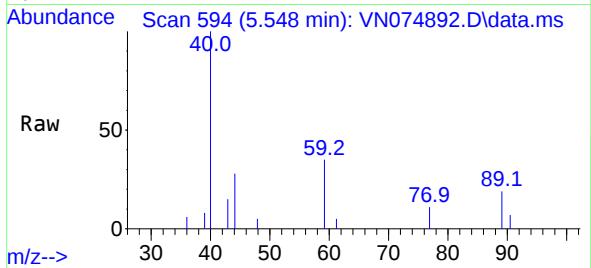




#23
tert-Butyl Alcohol
Concen: 0.737 ug/l
RT: 5.548 min Scan# 59
Delta R.T. -0.012 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

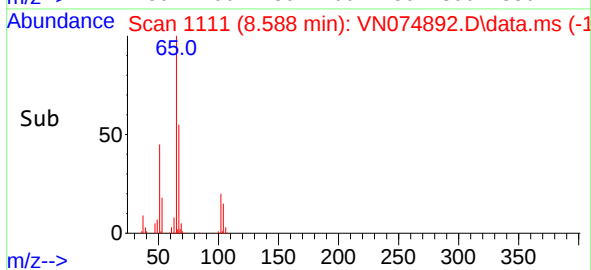
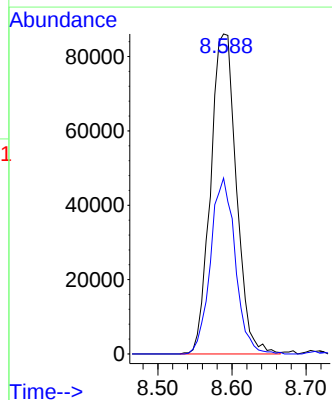
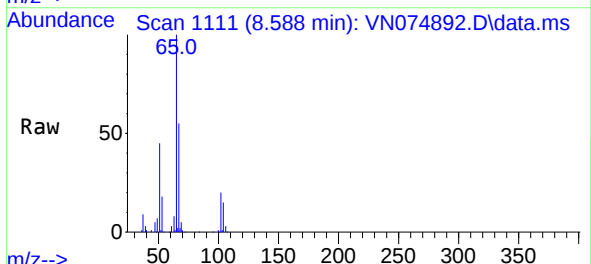
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBL01

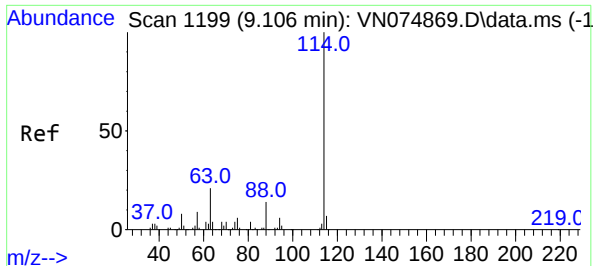
Tgt Ion: 59 Resp: 1191
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#



#27
1,2-Dichloroethane-d4
Concen: 31.772 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

Tgt Ion: 65 Resp: 207844
Ion Ratio Lower Upper
65 100
67 52.7 45.2 67.8

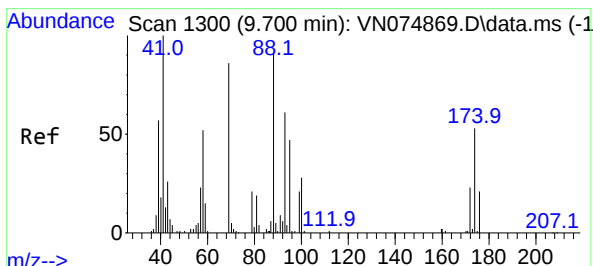
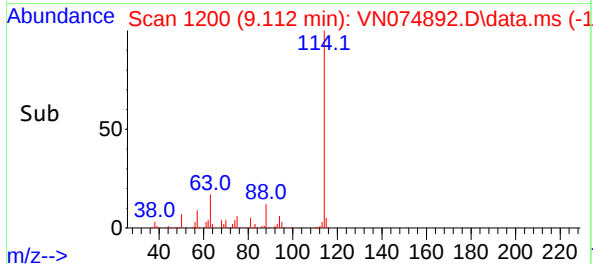
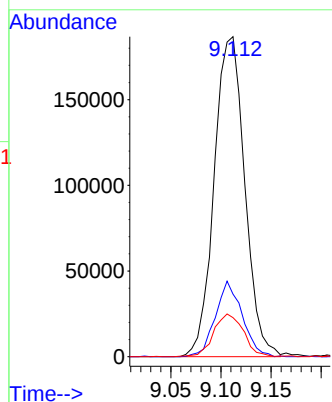
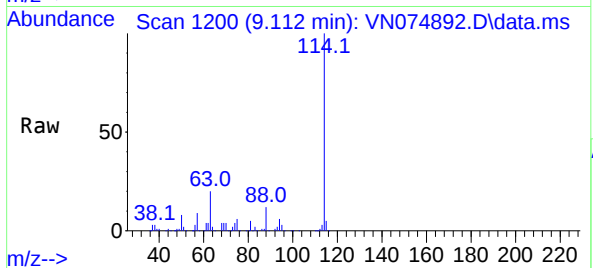




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1199
Delta R.T. 0.006 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

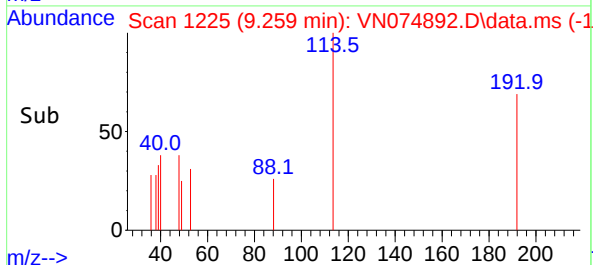
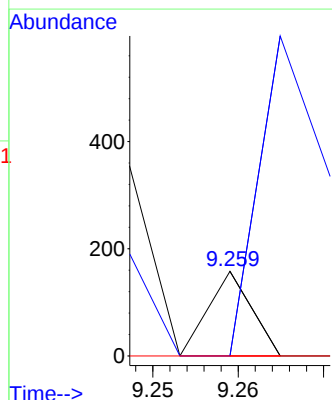
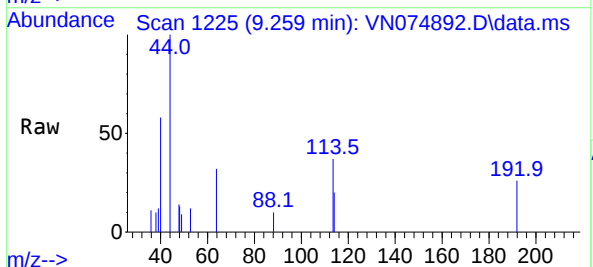
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBL01

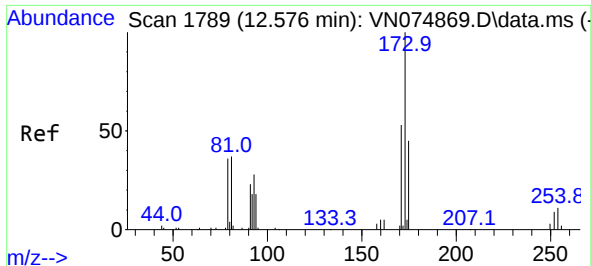
Tgt Ion:114 Resp: 396097
Ion Ratio Lower Upper
114 100
63 20.7 16.6 25.0
88 13.0 12.2 18.4



#45
1,4-Dioxane
Concen: 0.356 ug/l
RT: 9.259 min Scan# 1225
Delta R.T. -0.441 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 587.5 25.7 38.5#
58 0.0 53.4 80.2#

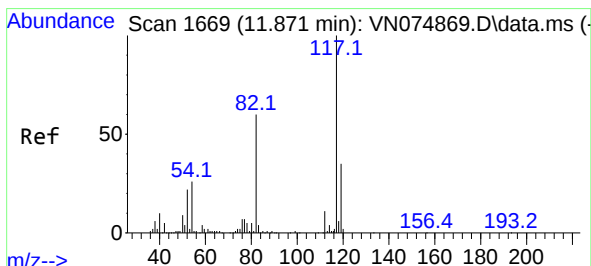
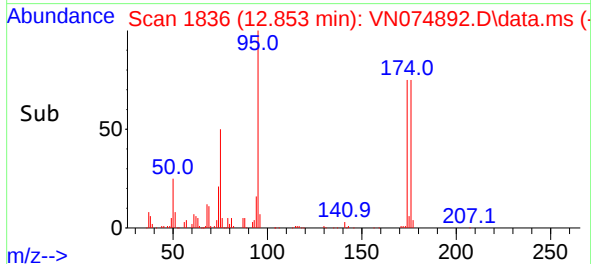
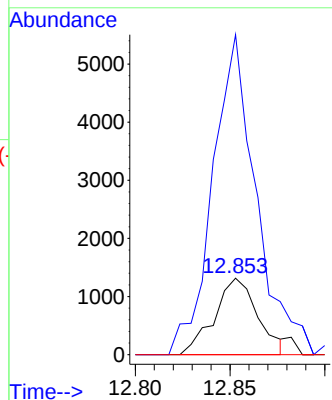
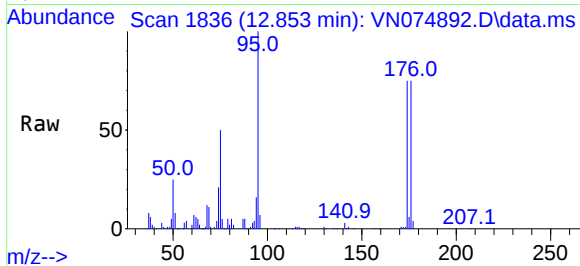




#56
Bromoform
Concen: 0.497 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.276 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

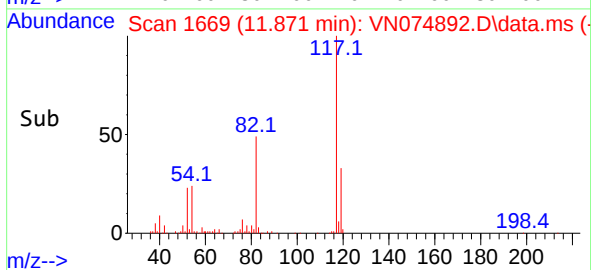
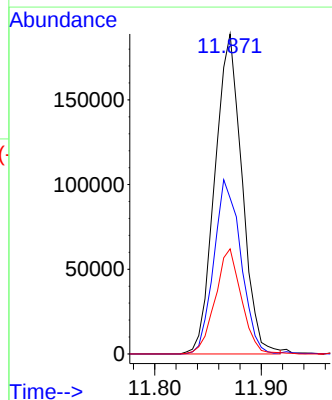
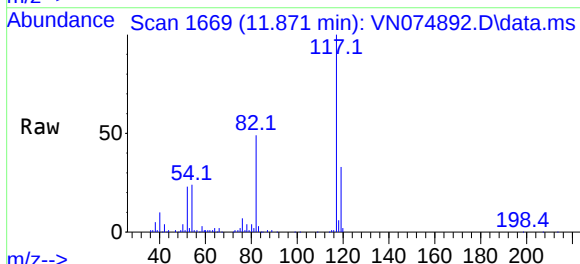
Instrument :
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ClientSampleId :
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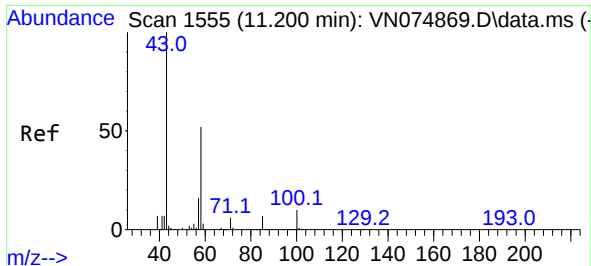
Tgt Ion:173 Resp: 2094
Ion Ratio Lower Upper
173 100
175 420.9 39.1 58.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

Tgt Ion:117 Resp: 334445
Ion Ratio Lower Upper
117 100
82 54.1 44.6 67.0
119 31.9 25.6 38.4

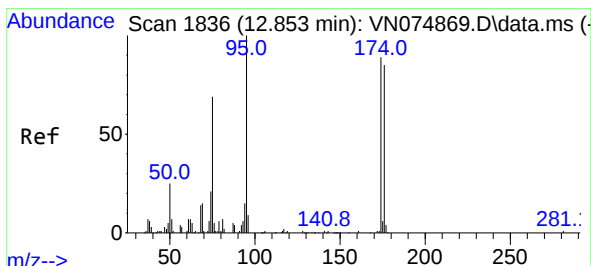
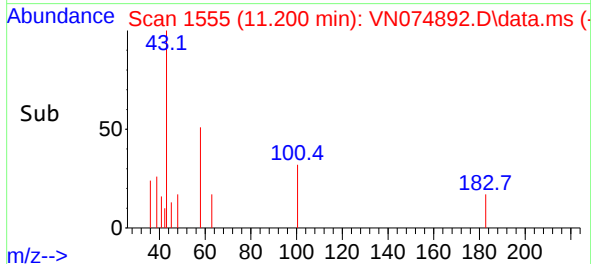
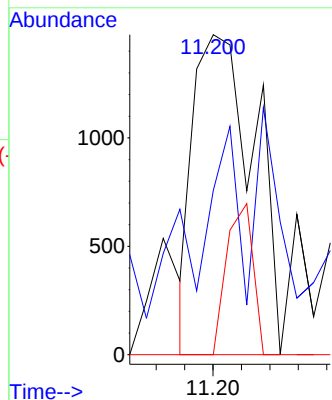
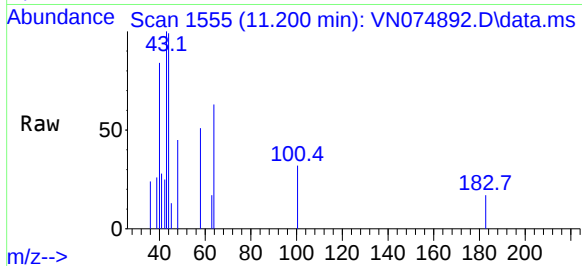




#59
2-Hexanone
Concen: 0.274 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

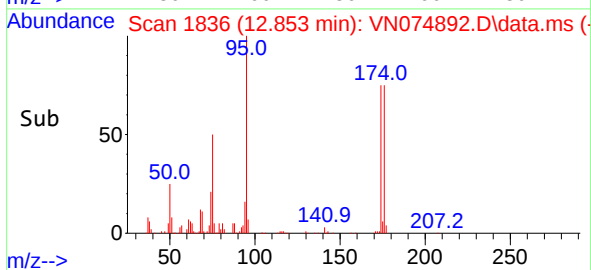
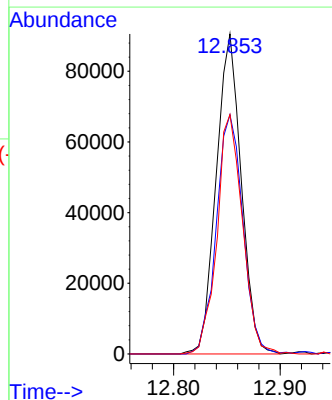
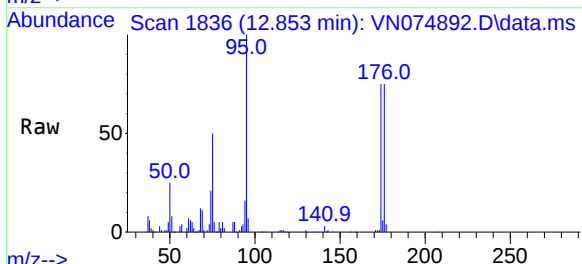
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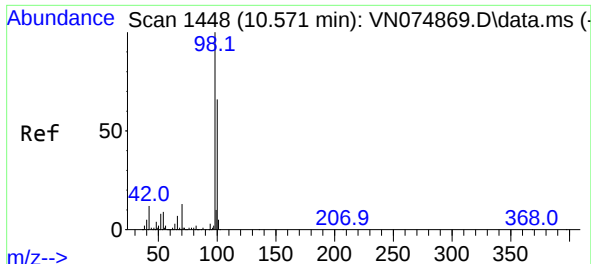
Tgt Ion: 43 Resp: 2195
Ion Ratio Lower Upper
43 100
58 32.8 43.6 65.4#
57 0.0 14.3 21.5#



#60
4-Bromofluorobenzene
Concen: 24.889 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

Tgt Ion: 95 Resp: 147618
Ion Ratio Lower Upper
95 100
174 79.2 57.8 86.8
176 76.1 57.0 85.4

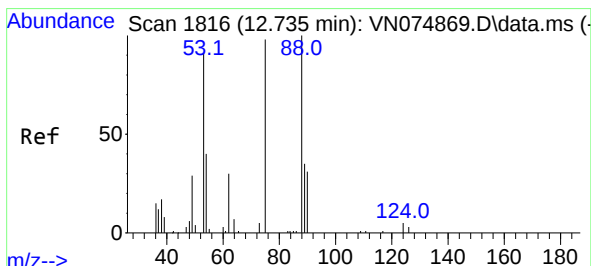
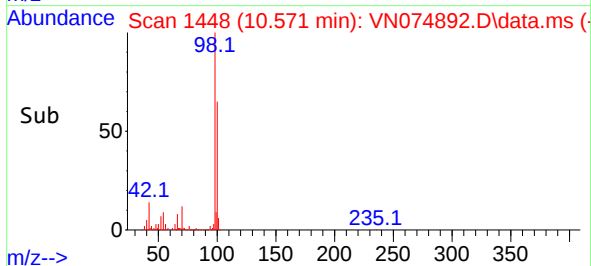
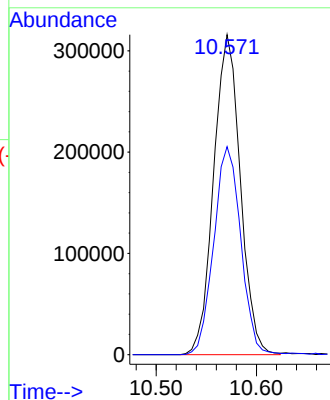
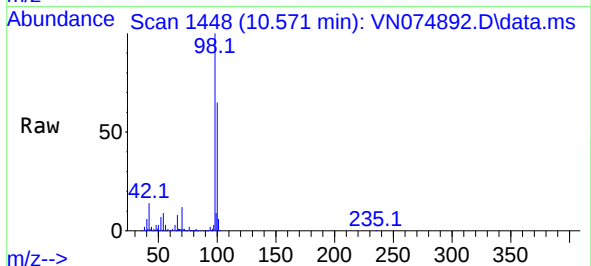




#63
Toluene-d8
Concen: 30.258 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

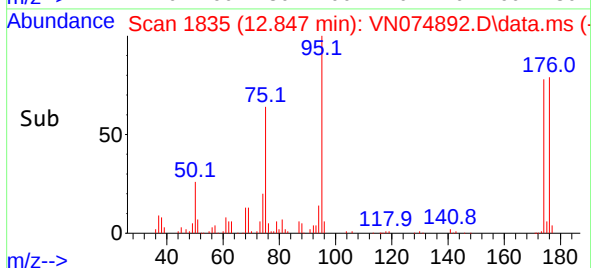
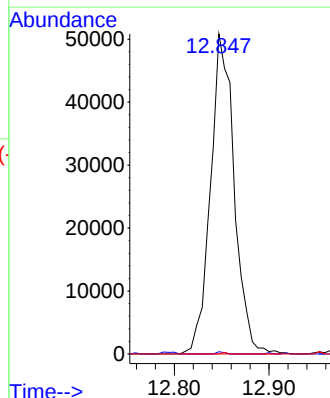
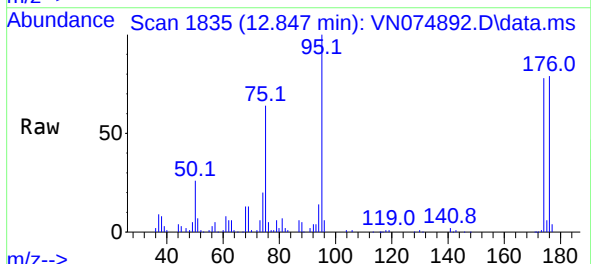
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBL01

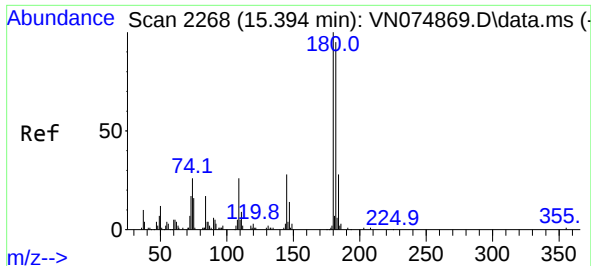
Tgt Ion: 98 Resp: 584052
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 27.471 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

Tgt Ion: 75 Resp: 88758
Ion Ratio Lower Upper
75 100
53 0.7 43.3 129.9#
89 0.0 21.1 63.1#

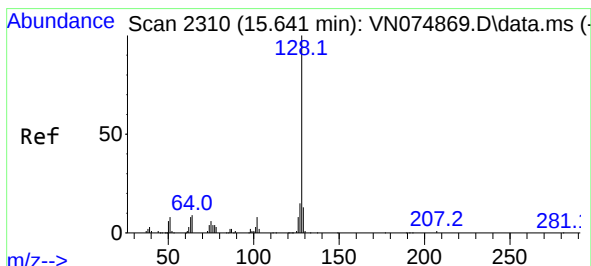
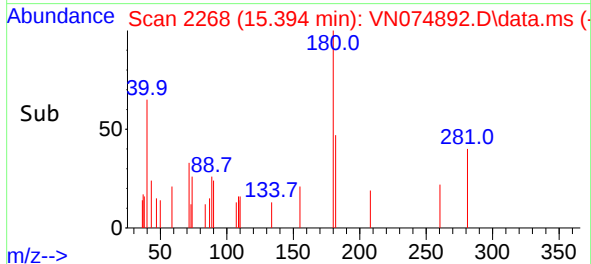
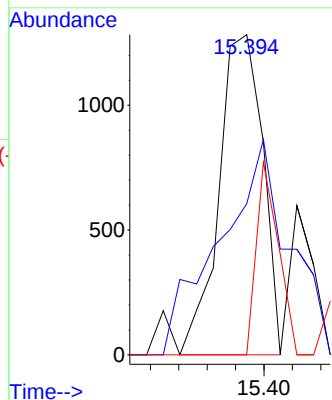
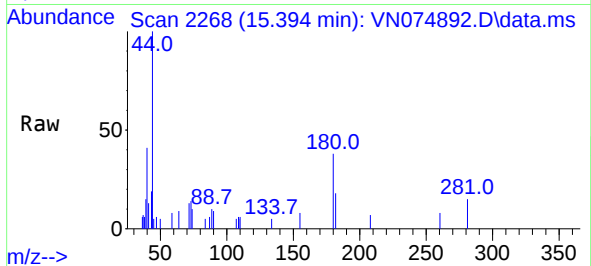




#89
1,2,4-Trichlorobenzene
Concen: 0.300 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

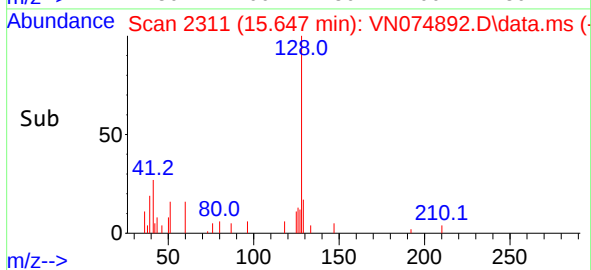
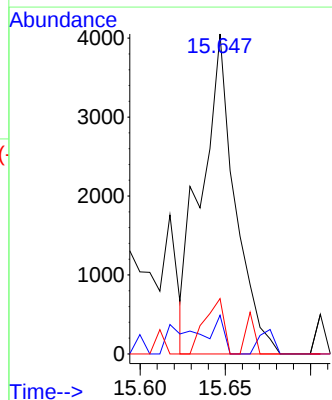
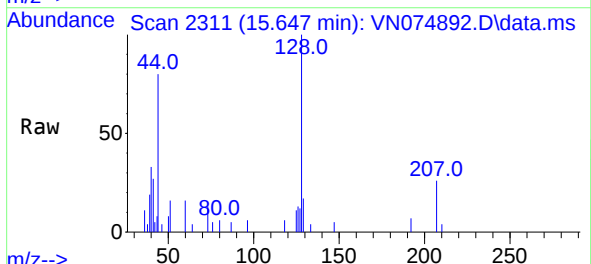
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBL01

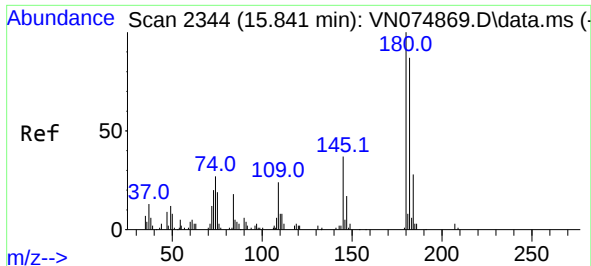
Tgt Ion:180 Resp: 1376
Ion Ratio Lower Upper
180 100
182 98.4 74.9 112.3
145 30.2 26.3 39.5



#91
Naphthalene
Concen: 0.307 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074892.D
Acq: 13 Oct 2022 12:50

Tgt Ion:128 Resp: 5591
Ion Ratio Lower Upper
128 100
127 3.1 10.7 16.1#
129 9.9 8.9 13.3





#92

1,2,3-Trichlorobenzene

Concen: 0.239 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN074892.D

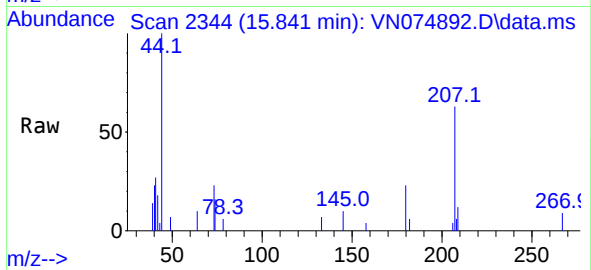
Acq: 13 Oct 2022 12:50

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBL01



Tgt Ion:180 Resp: 1146

Ion Ratio Lower Upper

180 100

182 39.5 0.0 185.4

145 36.5 0.0 68.6

