

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080258.D
 Acq On : 24 Nov 2023 13:08
 Operator : JC\MD
 Sample : VN1124WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 04:06:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

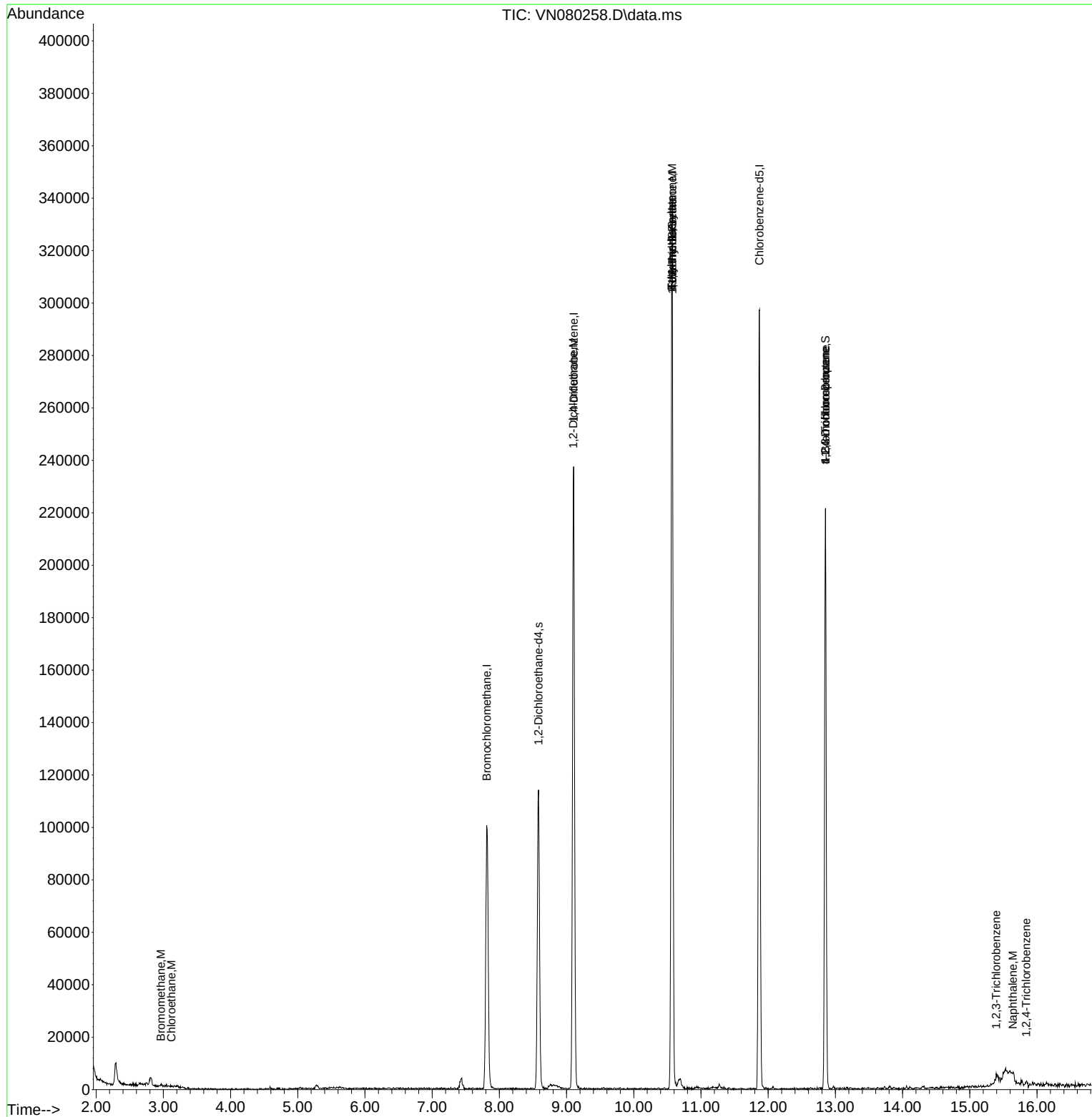
Internal Standards						
1) Bromochloromethane	7.812	128	38041	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	199630	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	177350	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	105131	32.923	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.733%
60) 4-Bromofluorobenzene	12.853	95	75643	26.671	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.900%
63) Toluene-d8	10.571	98	240226	28.587	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.300%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	324	0.227	ug/l	89
6) Chloroethane	3.118	64	383	0.253	ug/l #	46
36) 1,2-Dichloroethane	9.100	62	7127	1.935	ug/l #	75
50) 1,1,2-Trichloroethane	10.576	97	7522	3.167	ug/l #	1
51) Ethyl methacrylate	10.565	69	918	0.269	ug/l #	55
58) 4-Methyl-2-Pentanone	10.571	43	854	0.288	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	42454	13.982	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	42454	42.701	ug/l #	7
89) 1,2,4-Trichlorobenzene	15.841	180	542	0.285	ug/l #	82
91) Naphthalene	15.641	128	2948	0.483	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.394	180	607	0.319	ug/l	88

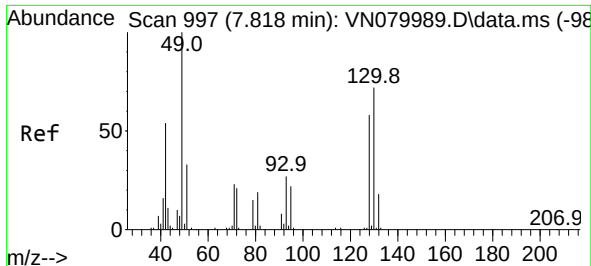
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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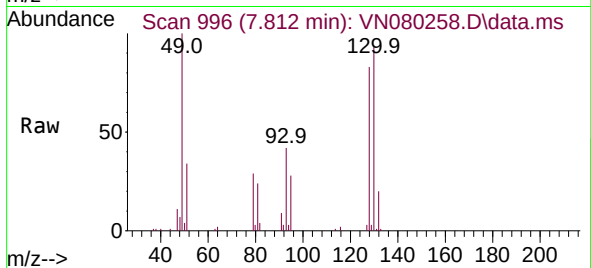
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
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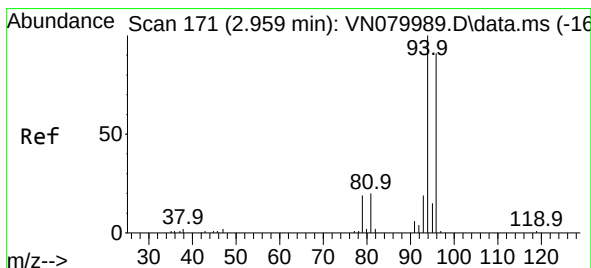
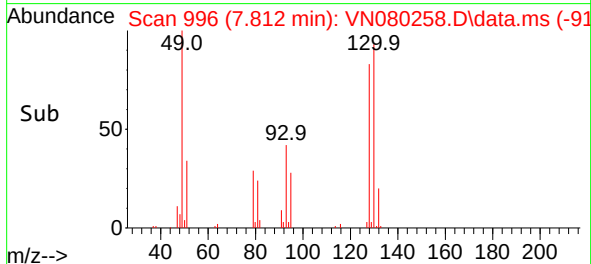
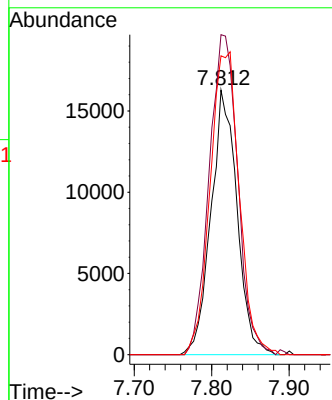


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :

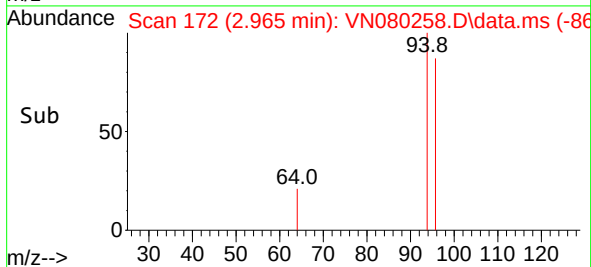
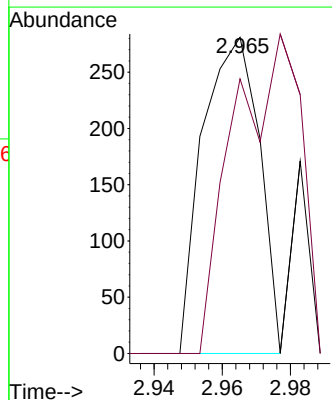
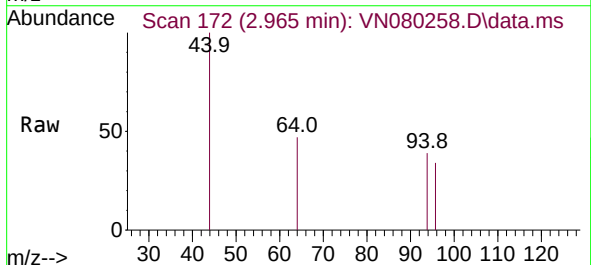


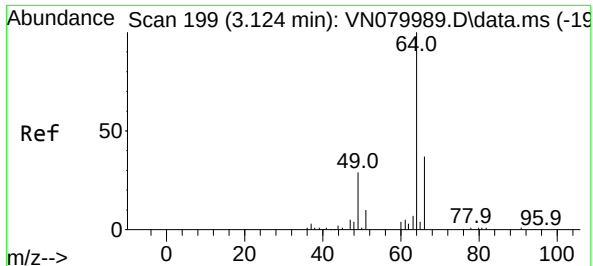
Tgt Ion:128 Resp: 38041
Ion Ratio Lower Upper
128 100
49 132.8 0.0 468.5
130 128.3 0.0 320.7



#5
Bromomethane
Concen: 0.227 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.006 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 86.8 77.8 116.6

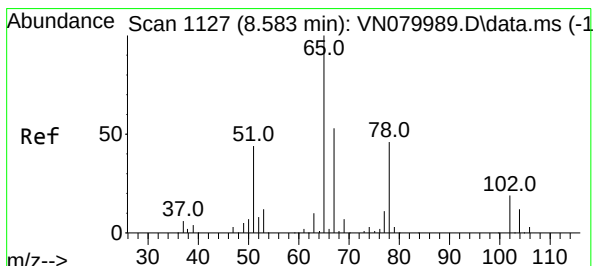
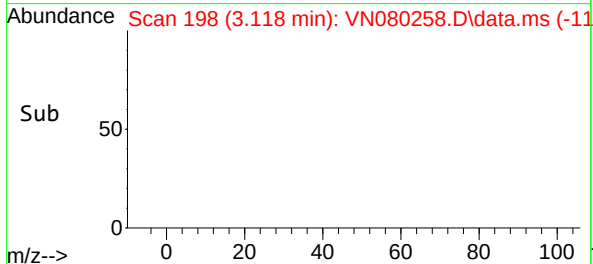
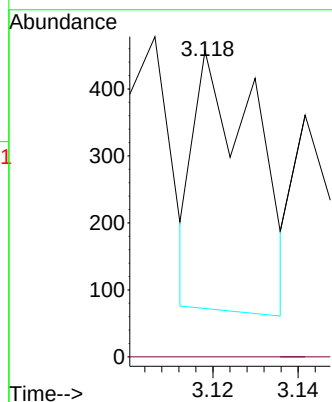
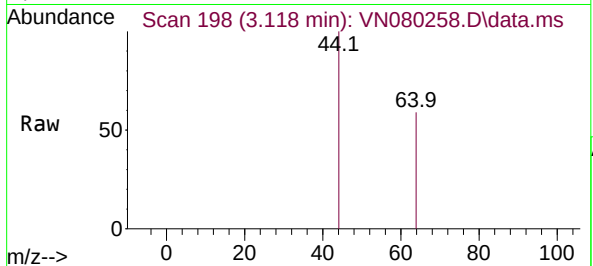




#6
Chloroethane
Concen: 0.253 ug/l
RT: 3.118 min Scan# 199
Delta R.T. -0.006 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

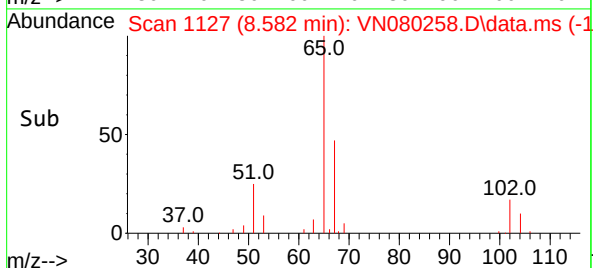
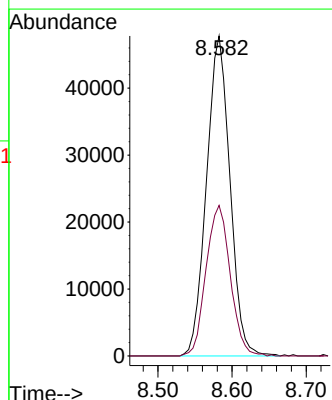
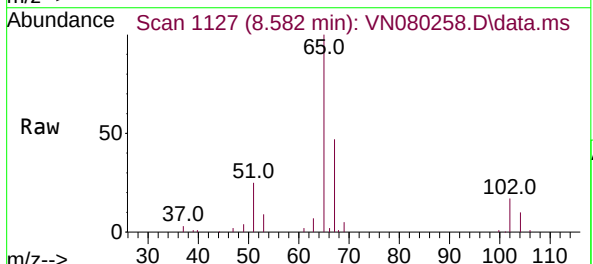
Instrument :
MSVOA_N
ClientSampleId :

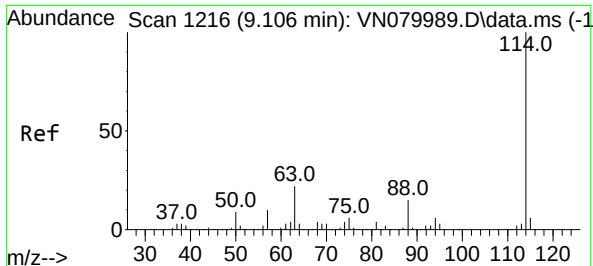
Tgt Ion: 64 Resp: 383
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#



#27
1,2-Dichloroethane-d4
Concen: 32.923 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

Tgt Ion: 65 Resp: 105131
Ion Ratio Lower Upper
65 100
67 48.5 42.1 63.1

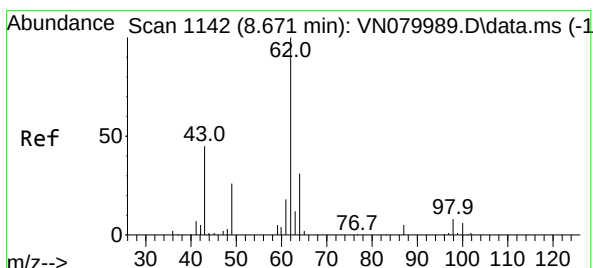
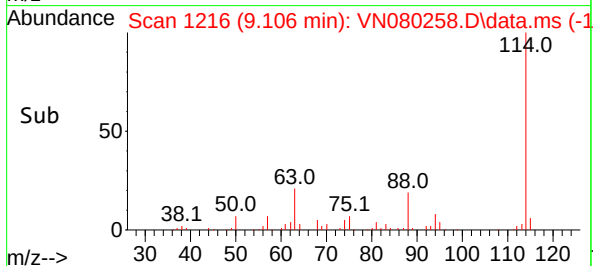
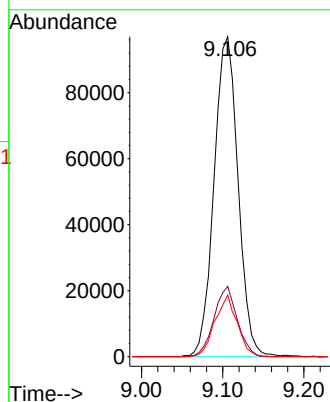
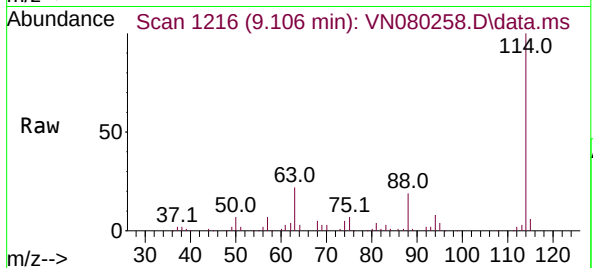




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

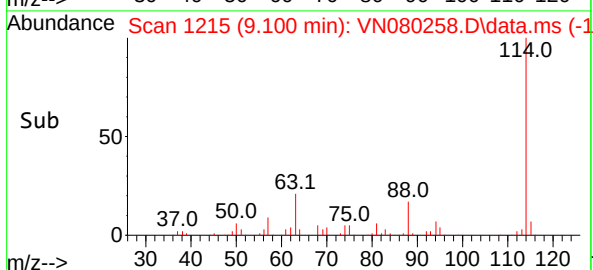
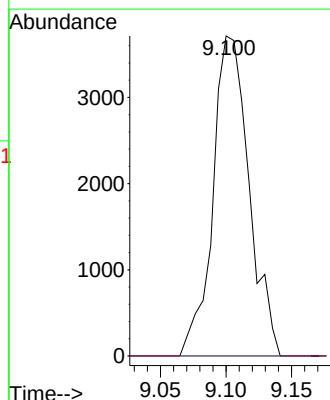
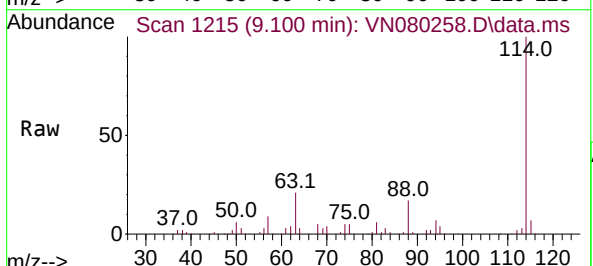
Instrument :
MSVOA_N
ClientSampleId :

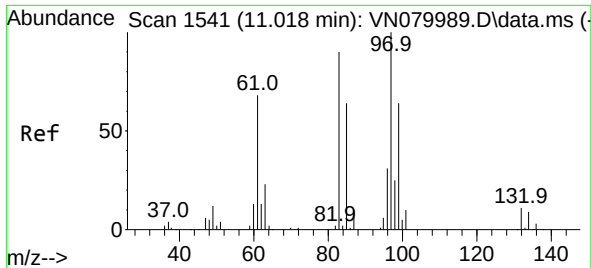
Tgt Ion:114 Resp: 199630
Ion Ratio Lower Upper
114 100
63 21.2 18.1 27.1
88 17.8 12.2 18.2



#36
1,2-Dichloroethane
Concen: 1.935 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

Tgt Ion: 62 Resp: 7127
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#

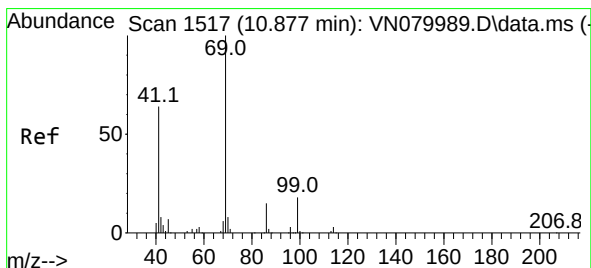
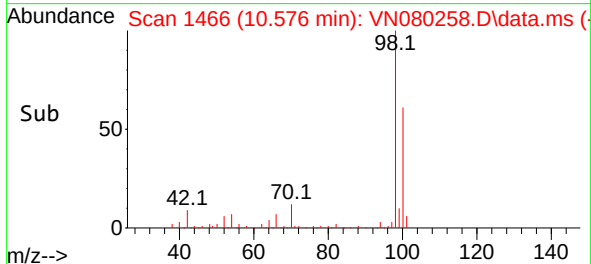
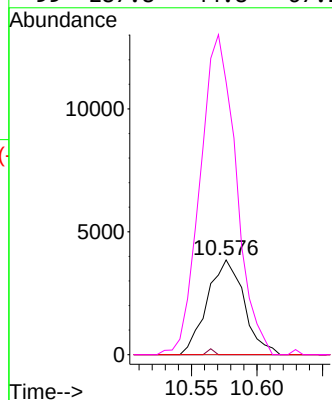
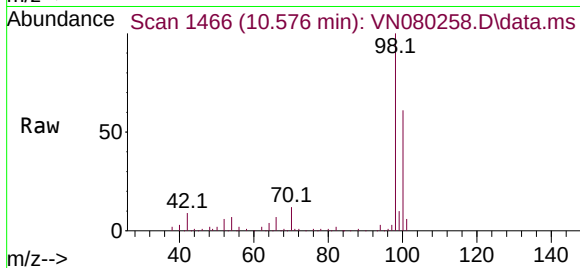




#50
1,1,2-Trichloroethane
Concen: 3.167 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.442 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

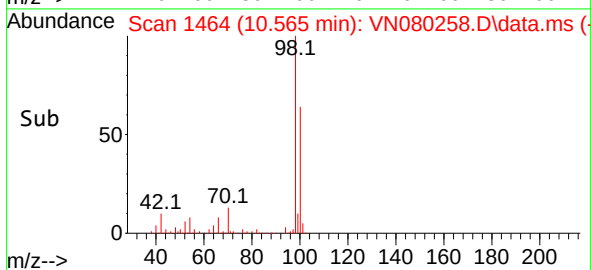
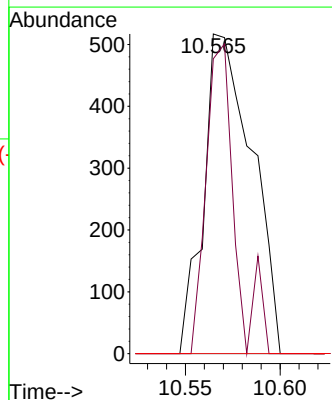
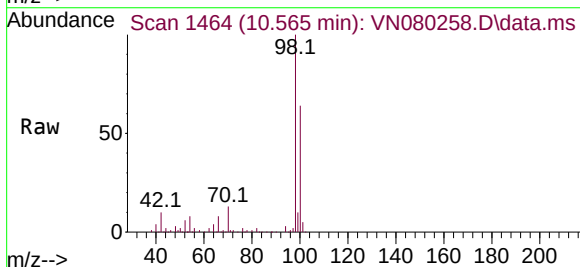
Instrument :
MSVOA_N
ClientSampleId :

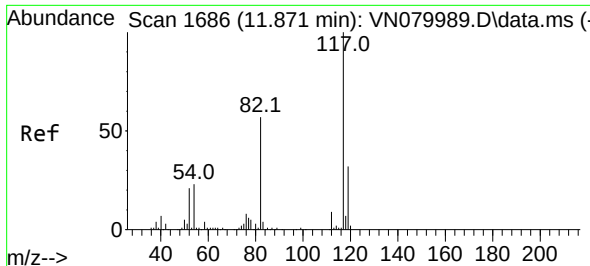
Tgt Ion:	97	Resp:	7522
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.2	102.4#
85	0.0	42.9	64.3#
99	287.8	44.8	67.2#



#51
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.311 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

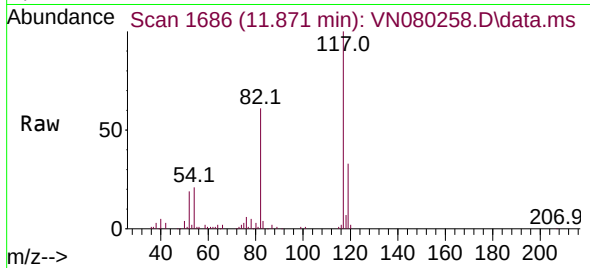
Tgt Ion:	69	Resp:	918
Ion	Ratio	Lower	Upper
69	100		
41	92.3	33.8	101.3
39	0.0	21.3	63.9#



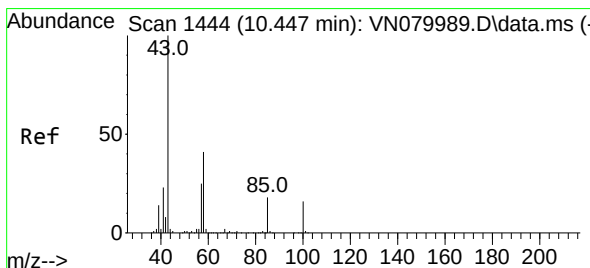
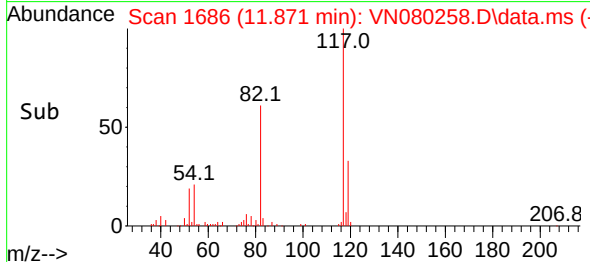
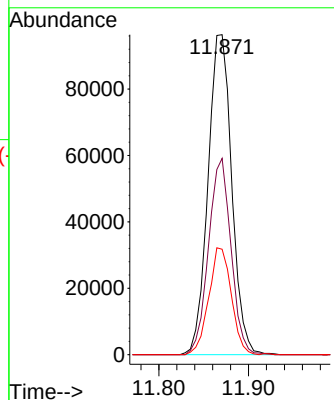


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117350
Delta R.T. 0.001 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

Instrument :
MSVOA_N
ClientSampleId :

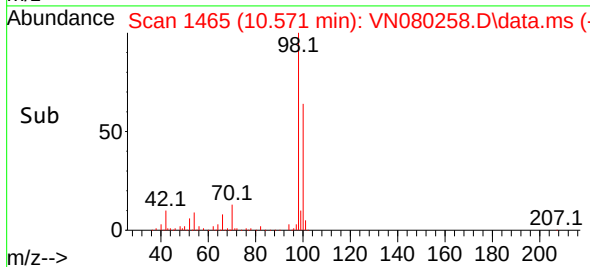
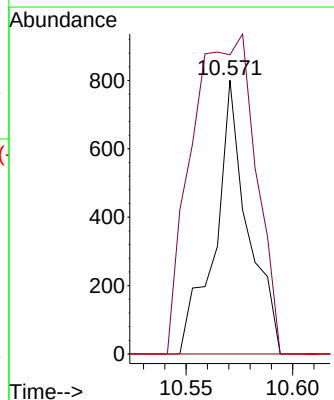
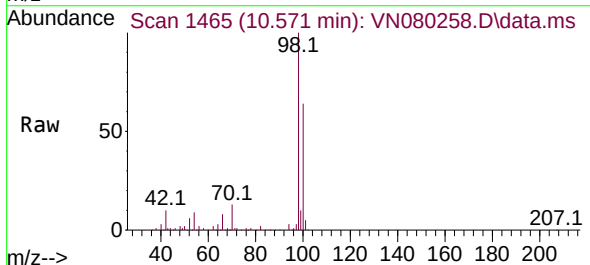


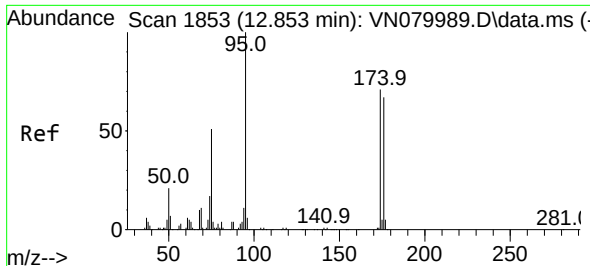
Tgt Ion:117 Resp: 177350
Ion Ratio Lower Upper
117 100
82 58.0 46.2 69.2
119 31.8 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 0.288 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 151.6 30.4 45.6#
85 0.0 13.2 19.8#

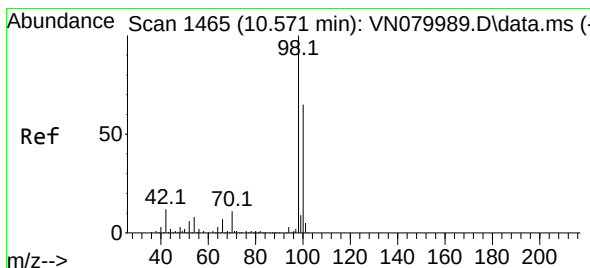
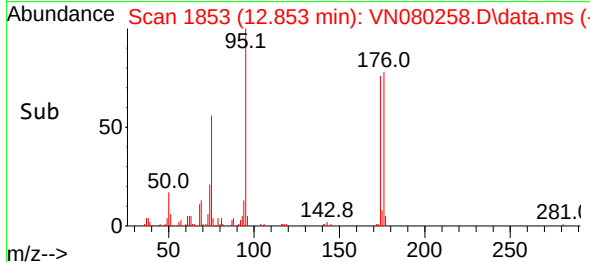
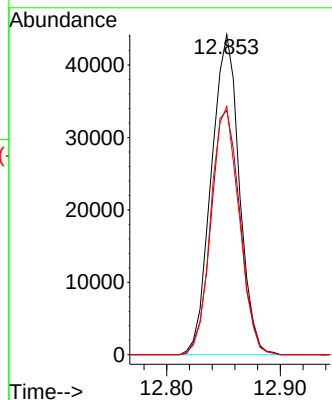
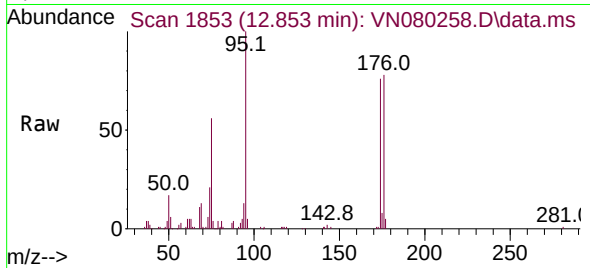




#60
4-Bromofluorobenzene
Concen: 26.671 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

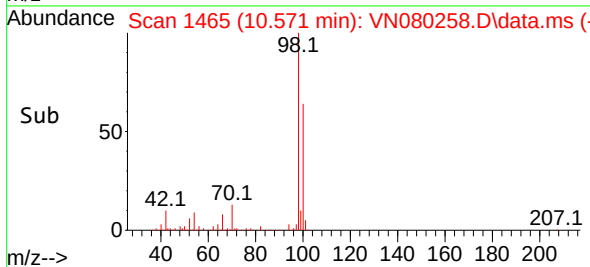
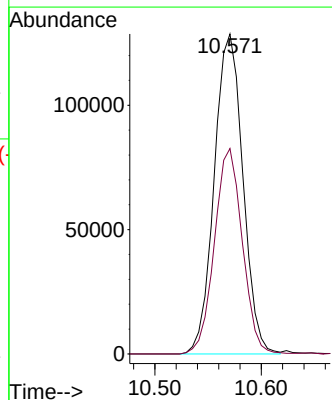
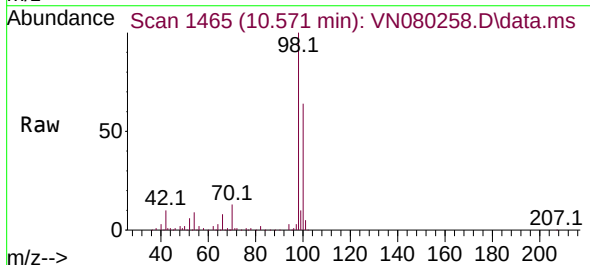
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ClientSampleId :

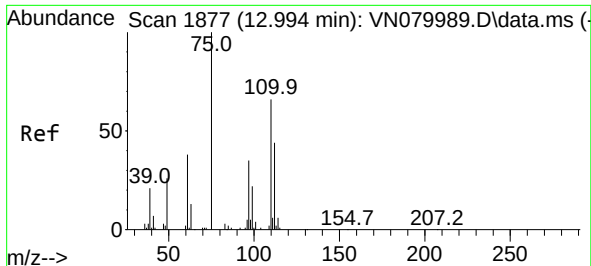
Tgt Ion: 95 Resp: 75643
Ion Ratio Lower Upper
95 100
174 79.2 60.5 90.7
176 78.2 57.2 85.8



#63
Toluene-d8
Concen: 28.587 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

Tgt Ion: 98 Resp: 240226
Ion Ratio Lower Upper
98 100
100 62.5 51.6 77.4

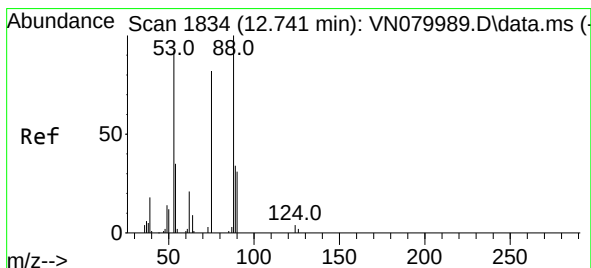
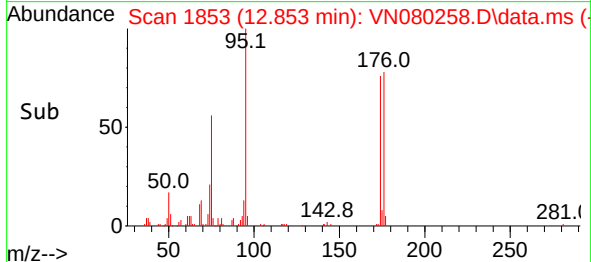
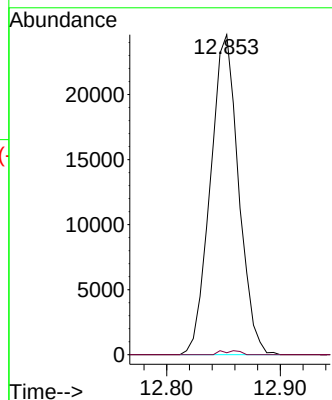
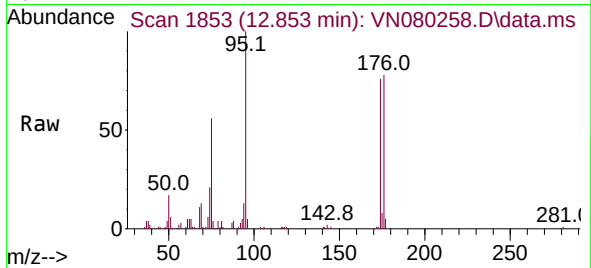




#72
1,2,3-Trichloropropane
Concen: 13.982 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

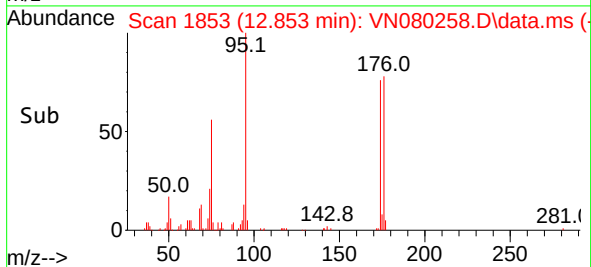
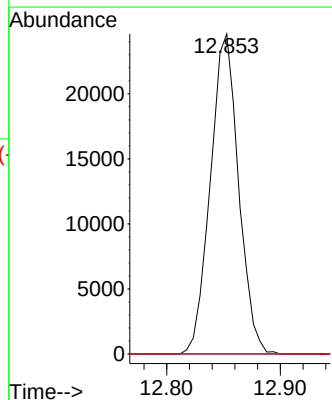
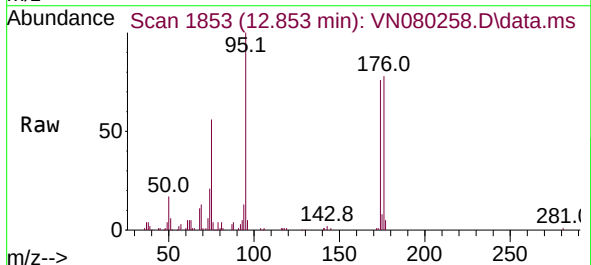
Instrument :
MSVOA_N
ClientSampleId :

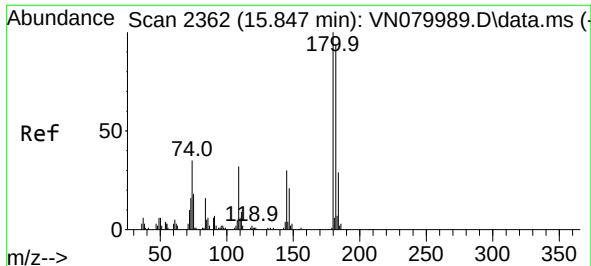
Tgt Ion: 75 Resp: 42454
Ion Ratio Lower Upper
75 100
77 0.5 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 42.701 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

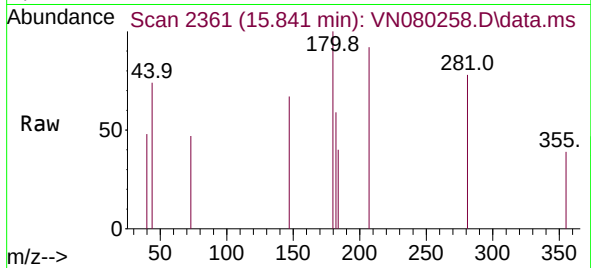
Tgt Ion: 75 Resp: 42454
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#



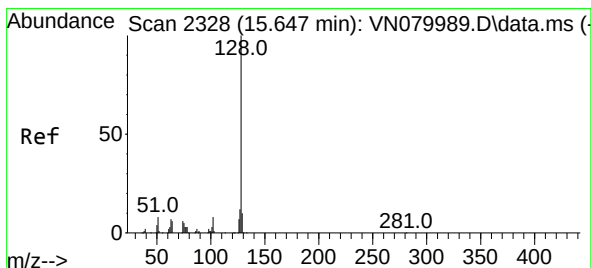
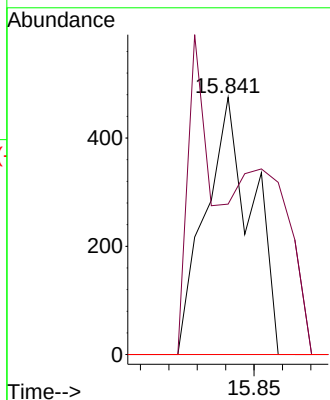
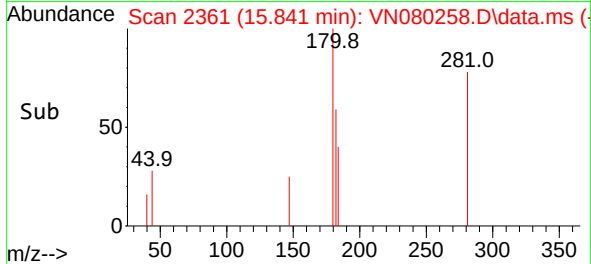


#89
1,2,4-Trichlorobenzene
Concen: 0.285 ug/l
RT: 15.841 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08

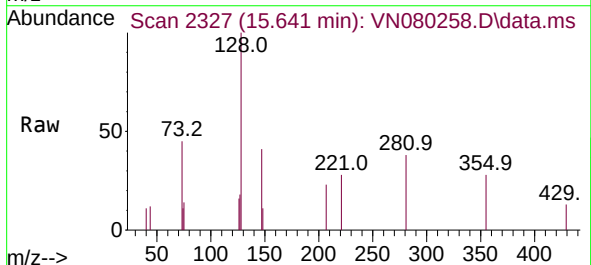
Instrument :
MSVOA_N
ClientSampleId :



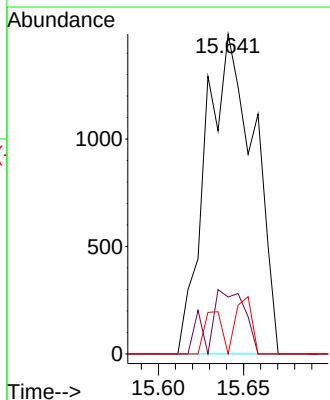
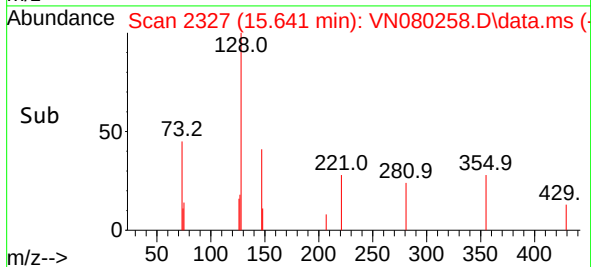
Tgt Ion:180 Resp: 542
Ion Ratio Lower Upper
180 100
182 96.7 74.2 111.4
145 0.0 25.4 38.2#

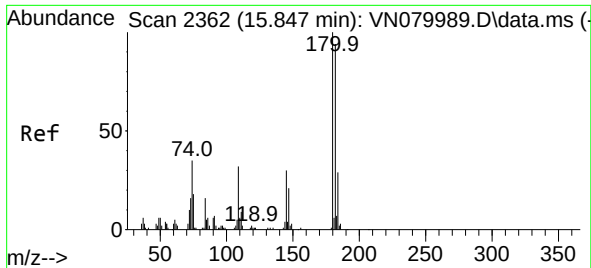


#91
Naphthalene
Concen: 0.483 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080258.D
Acq: 24 Nov 2023 13:08



Tgt Ion:128 Resp: 2948
Ion Ratio Lower Upper
128 100
127 12.2 10.9 16.3
129 4.6 8.6 12.8#





#92

1,2,3-Trichlorobenzene

Concen: 0.319 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.453 min

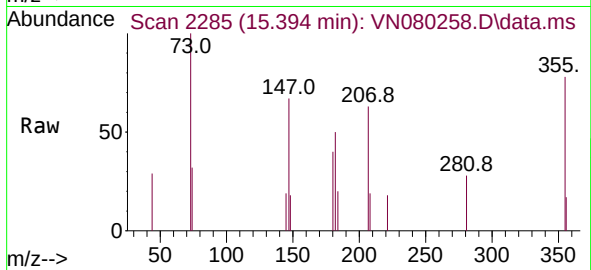
Lab File: VN080258.D

Acq: 24 Nov 2023 13:08

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 607

Ion Ratio Lower Upper

180 100

182 103.5 0.0 185.6

145 24.2 0.0 63.6

