

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032124\
 Data File : VN081519.D
 Acq On : 21 Mar 2024 15:01
 Operator : JC\MD
 Sample : P1798-02 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-2

Quant Time: Mar 22 05:07:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	491691	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	852890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	754507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	336222	50.000	ug/l	0.00

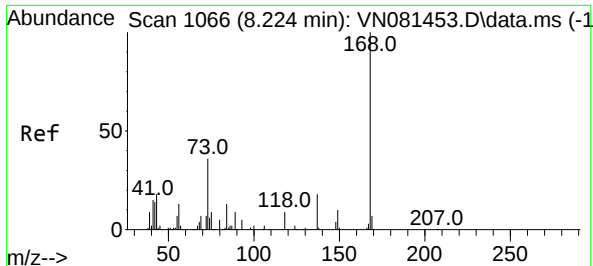
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	301784	48.129	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.260%
35) Dibromofluoromethane	8.165	113	258825	48.085	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.180%
50) Toluene-d8	10.565	98	1001964	51.495	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.847	95	342045	49.889	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	99.780%

Target Compounds				Qvalue		
40) Benzene	8.606	78	1287829	48.629	ug/l	98
43) Isopropyl Acetate	8.694	43	14424	1.122	ug/l	# 87
52) Toluene	10.629	92	570249	33.879	ug/l	99
67) Ethyl Benzene	11.965	91	72395	2.337	ug/l	97
68) m/p-Xylenes	12.065	106	149030	12.831	ug/l	95
69) o-Xylene	12.400	106	111170	9.749	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	34611	1.462	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	104395	4.388	ug/l	98
95) Naphthalene	15.641	128	1157683	49.354	ug/l	99

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

Quant Time: Mar 22 05:07:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
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QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration

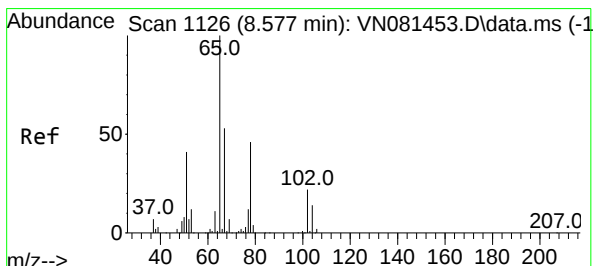
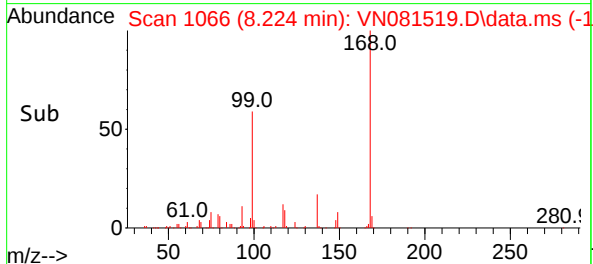
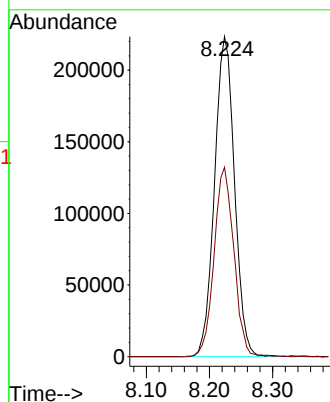
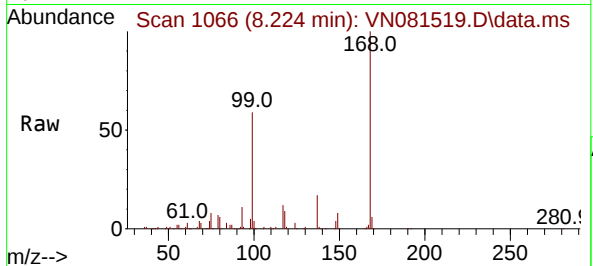




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

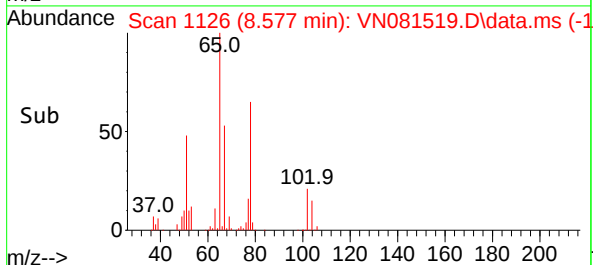
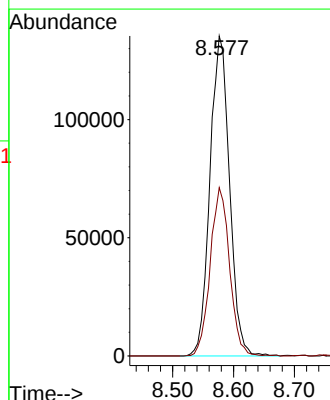
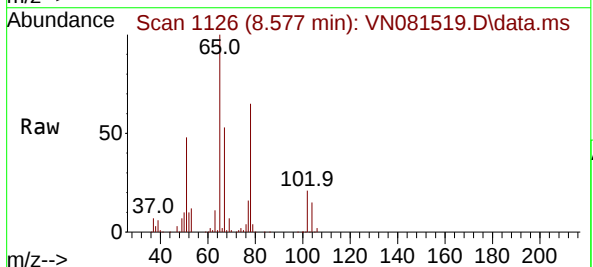
Instrument :
MSVOA_N
ClientSampleId :
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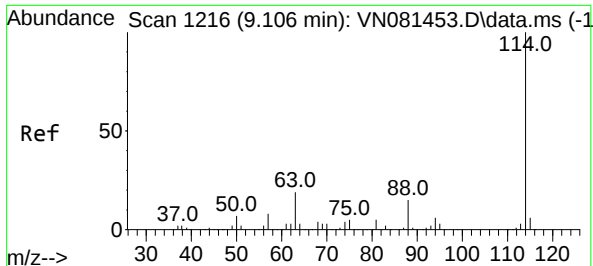
Tgt Ion:168 Resp: 491691
Ion Ratio Lower Upper
168 100
99 59.2 59.9 89.9#



#33
1,2-Dichloroethane-d4
Concen: 48.129 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

Tgt Ion: 65 Resp: 301784
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081519.D

Acq: 21 Mar 2024 15:01

Instrument :

MSVOA_N

ClientSampleId :

S-2

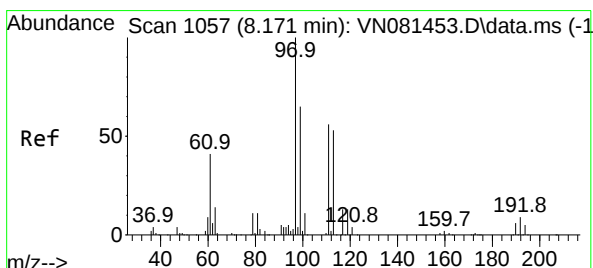
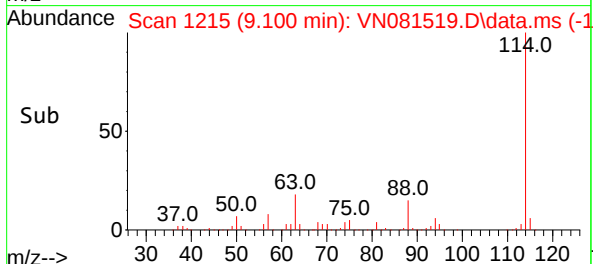
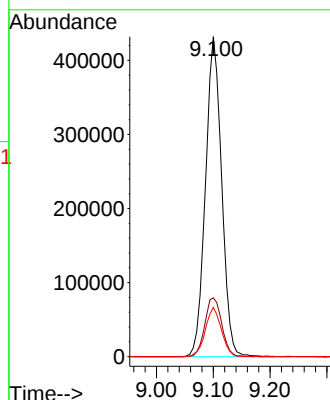
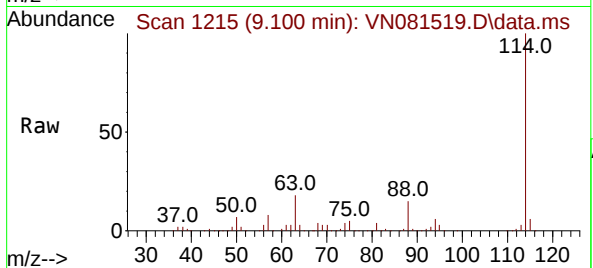
Tgt Ion:114 Resp: 852890

Ion Ratio Lower Upper

114 100

63 18.4 0.0 48.0

88 15.4 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.085 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081519.D

Acq: 21 Mar 2024 15:01

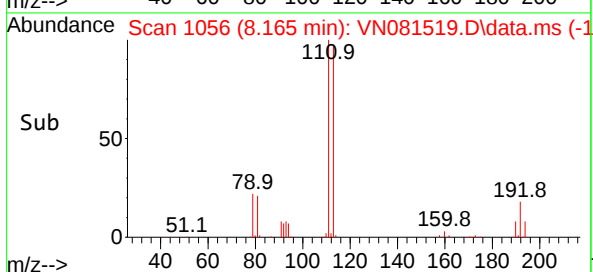
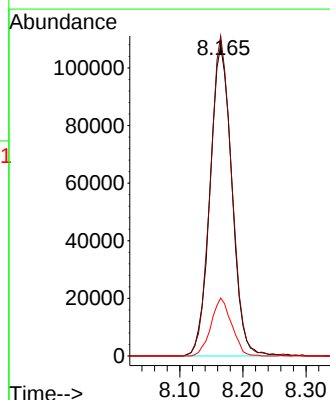
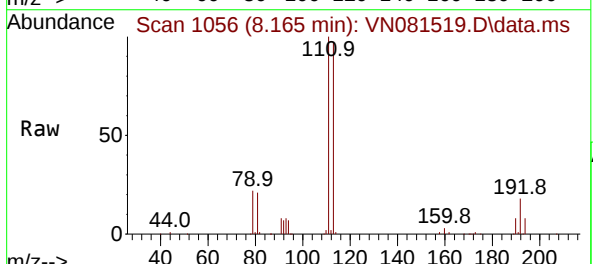
Tgt Ion:113 Resp: 258825

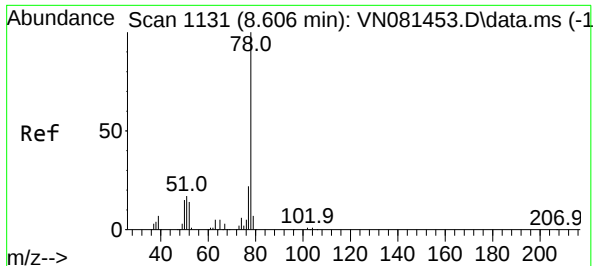
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 17.6 12.5 18.7

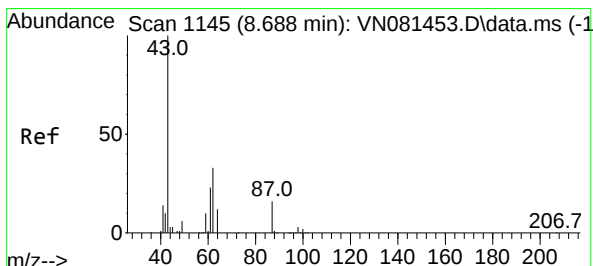
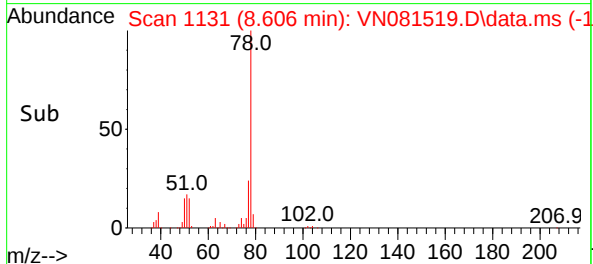
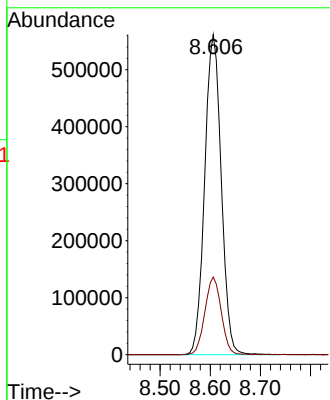
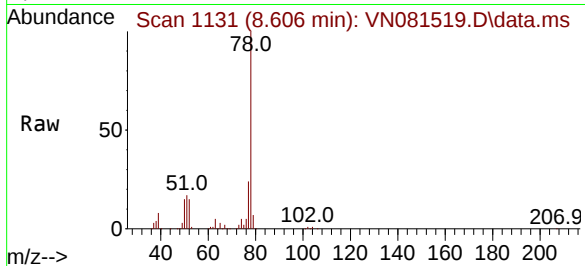




#40
Benzene
Concen: 48.629 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

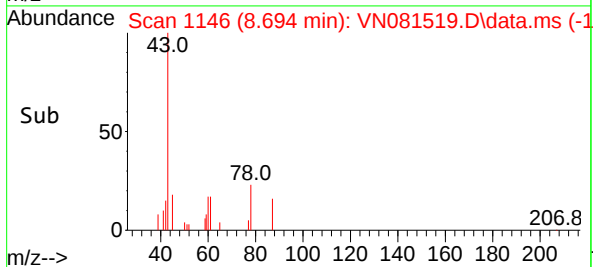
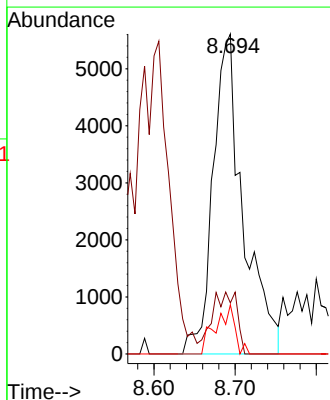
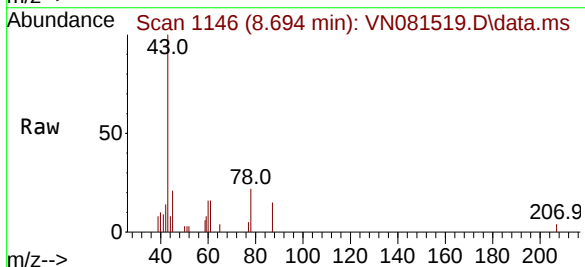
Instrument :
MSVOA_N
ClientSampleId :
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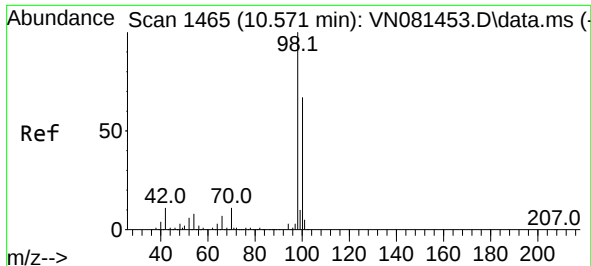
Tgt Ion: 78 Resp: 1287829
Ion Ratio Lower Upper
78 100
77 24.2 20.4 30.6



#43
Isopropyl Acetate
Concen: 1.122 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

Tgt Ion: 43 Resp: 14424
Ion Ratio Lower Upper
43 100
61 16.2 19.9 29.9#
87 9.8 9.0 13.6

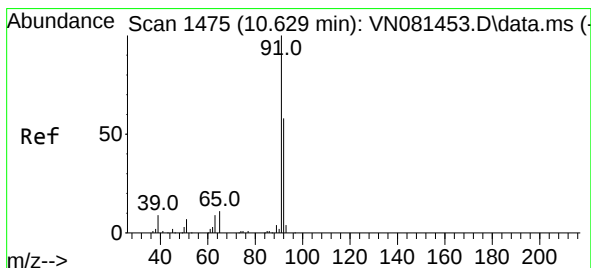
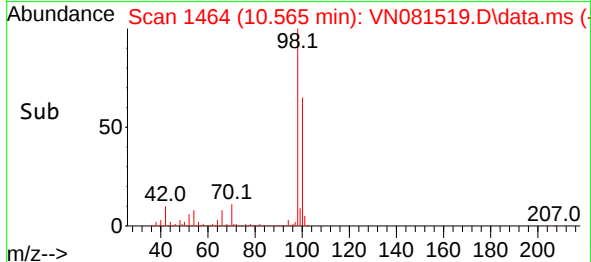
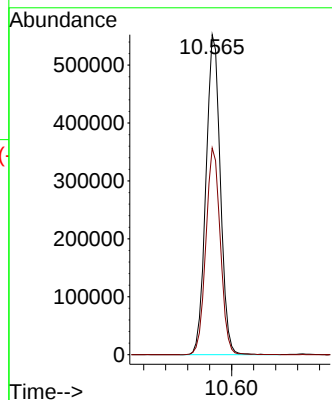
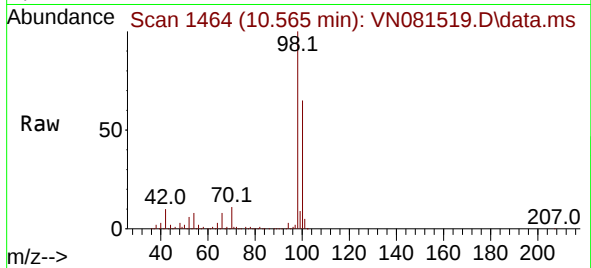




#50
Toluene-d8
Concen: 51.495 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

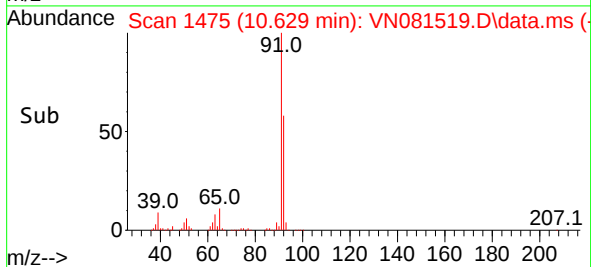
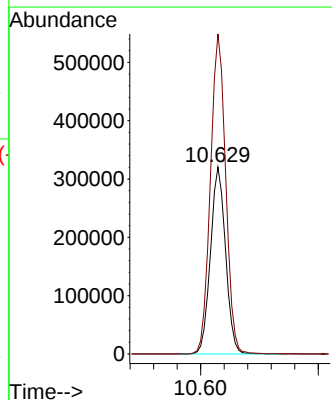
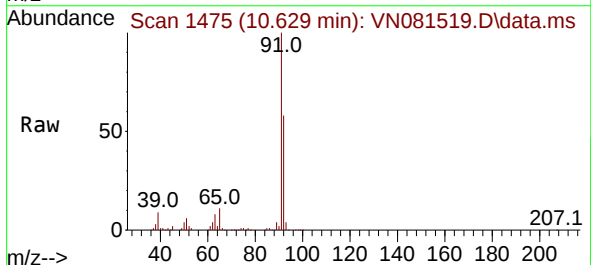
Instrument :
MSVOA_N
ClientSampleId :
S-2

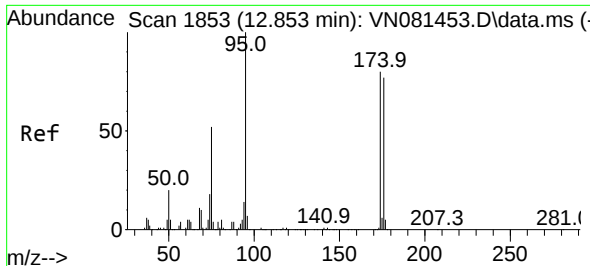
Tgt Ion: 98 Resp: 1001964
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#52
Toluene
Concen: 33.879 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

Tgt Ion: 92 Resp: 570249
Ion Ratio Lower Upper
92 100
91 173.2 139.4 209.0

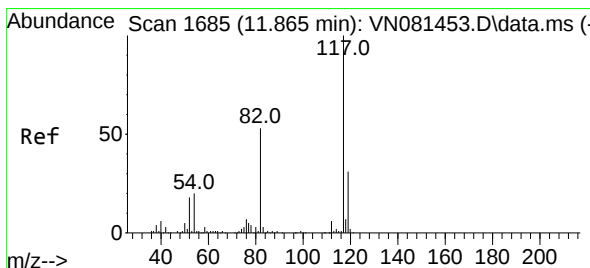
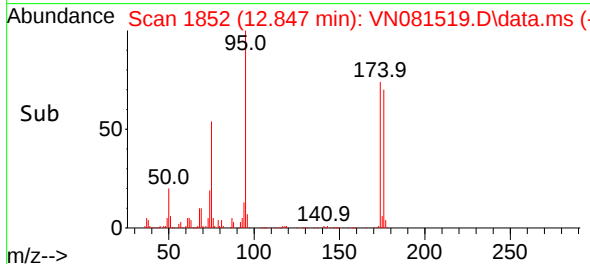
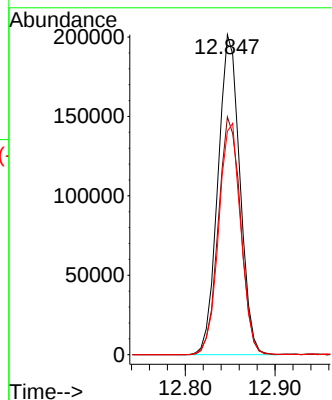
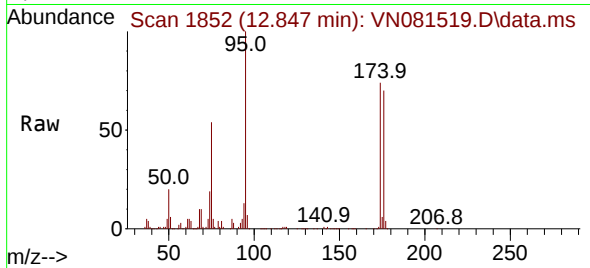




#62
4-Bromofluorobenzene
Concen: 49.889 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

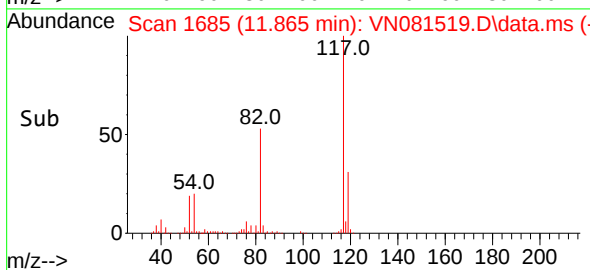
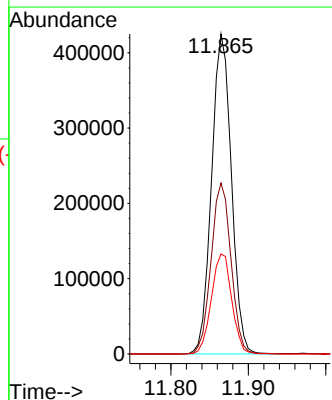
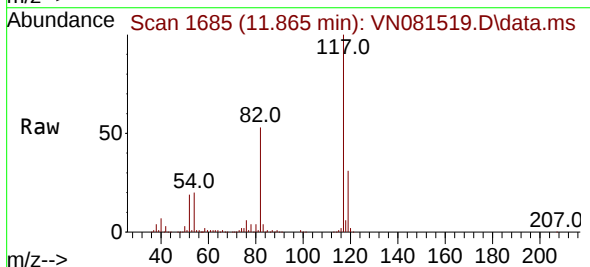
Instrument :
MSVOA_N
ClientSampleId :
S-2

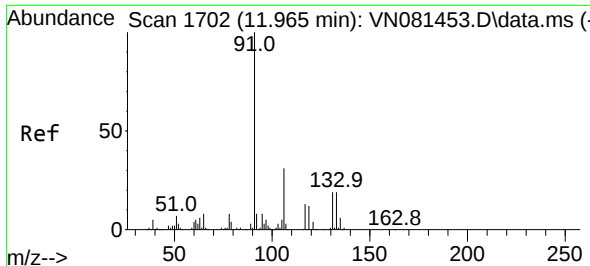
Tgt Ion: 95 Resp: 342045
Ion Ratio Lower Upper
95 100
174 75.4 0.0 120.4
176 72.8 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

Tgt Ion: 117 Resp: 754507
Ion Ratio Lower Upper
117 100
82 53.4 52.7 79.1
119 31.3 25.3 37.9





#67

Ethyl Benzene

Concen: 2.337 ug/l

RT: 11.965 min Scan# 1719

Delta R.T. 0.000 min

Lab File: VN081519.D

Acq: 21 Mar 2024 15:01

Instrument :

MSVOA_N

ClientSampleId :

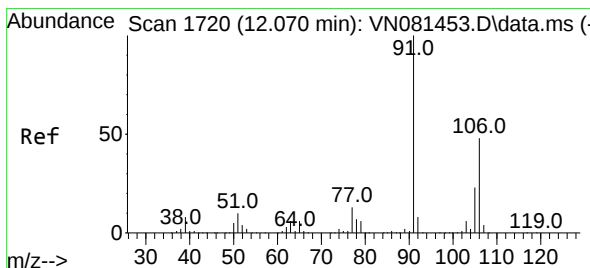
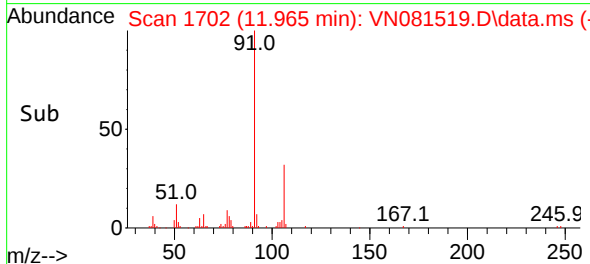
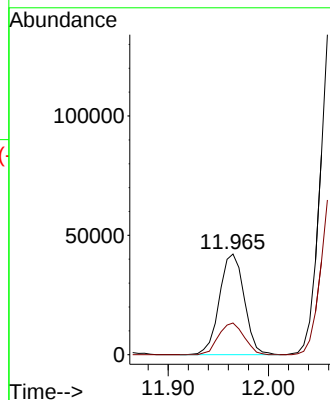
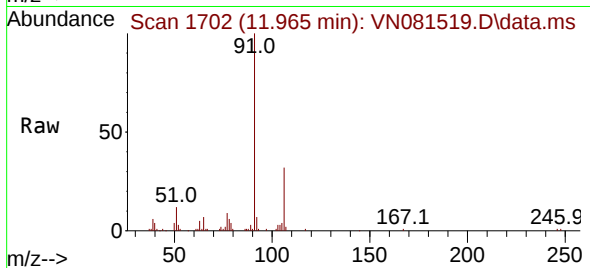
S-2

Tgt Ion: 91 Resp: 72395

Ion Ratio Lower Upper

91 100

106 31.5 23.8 35.6



#68

m/p-Xylenes

Concen: 12.831 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN081519.D

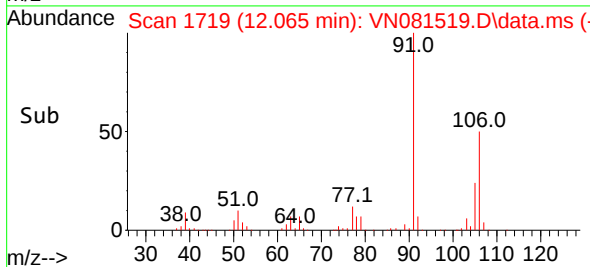
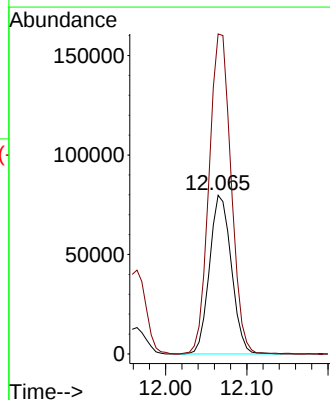
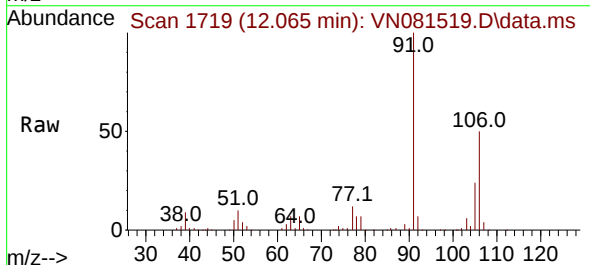
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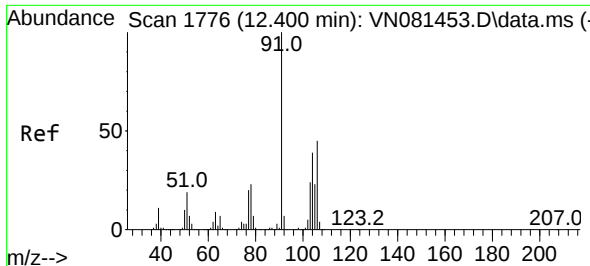
Tgt Ion: 106 Resp: 149030

Ion Ratio Lower Upper

106 100

91 203.9 169.0 253.6

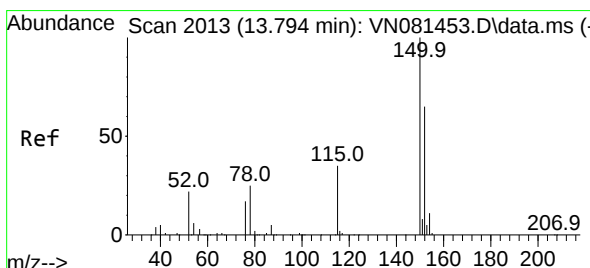
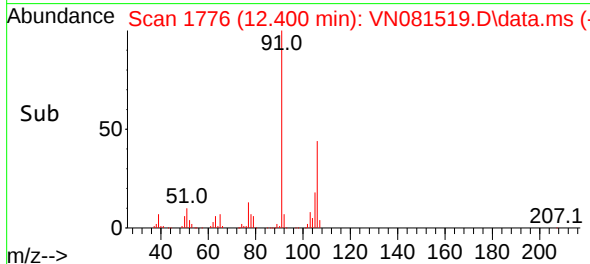
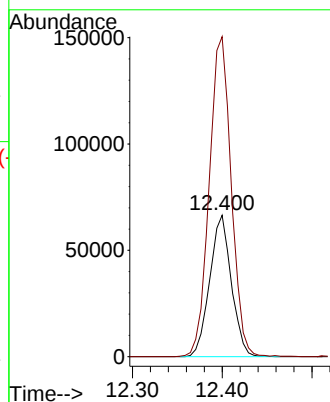
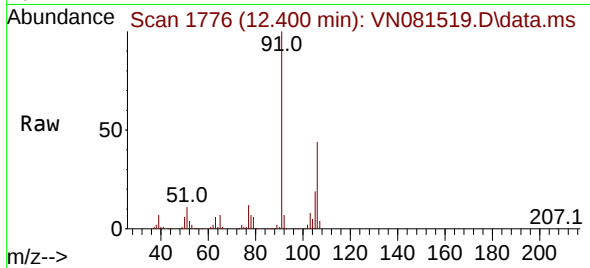




#69
o-Xylene
Concen: 9.749 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

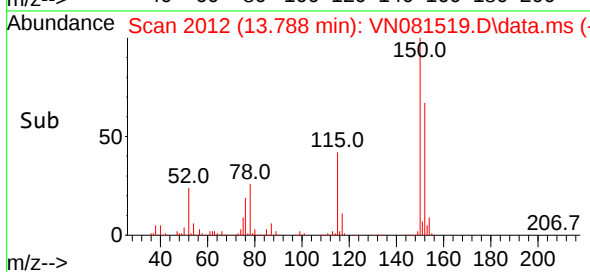
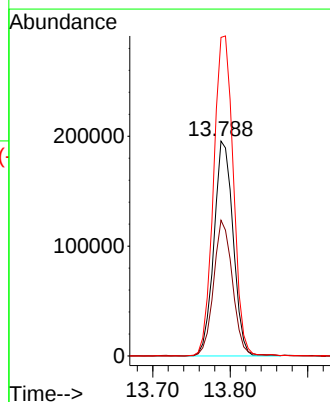
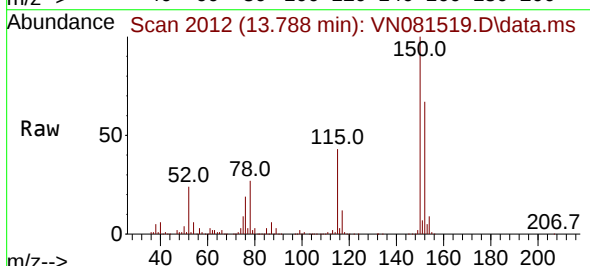
Instrument :
MSVOA_N
ClientSampleId :
S-2

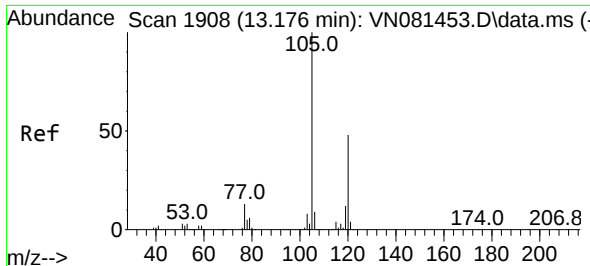
Tgt Ion:106 Resp: 111170
Ion Ratio Lower Upper
106 100
91 230.7 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

Tgt Ion:152 Resp: 336222
Ion Ratio Lower Upper
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115 62.6 32.3 96.8
150 153.5 0.0 339.8

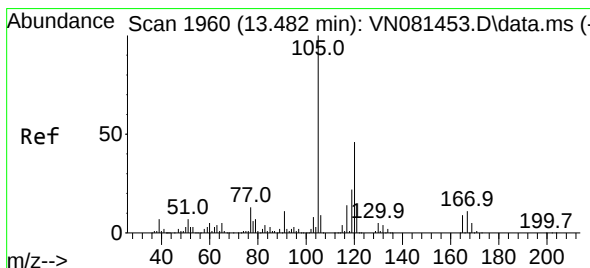
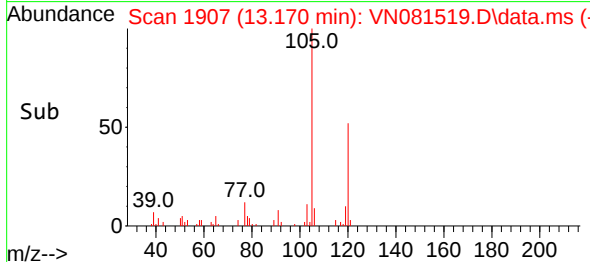
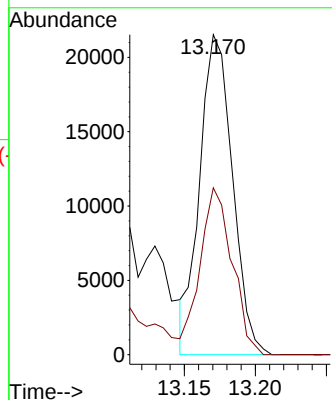
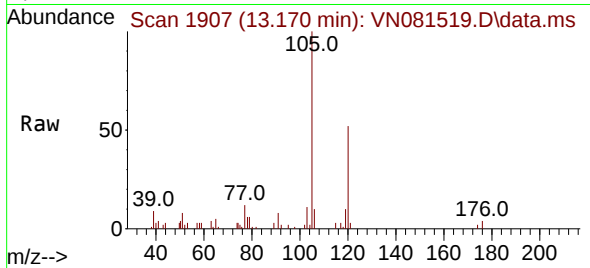




#80
1,3,5-Trimethylbenzene
Concen: 1.462 ug/l
RT: 13.170 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

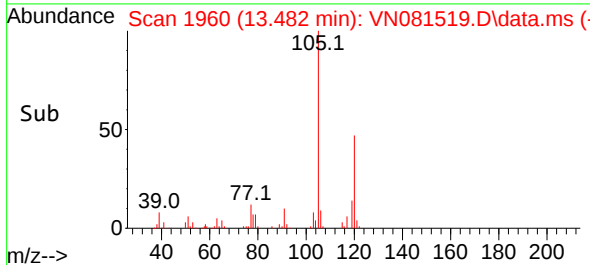
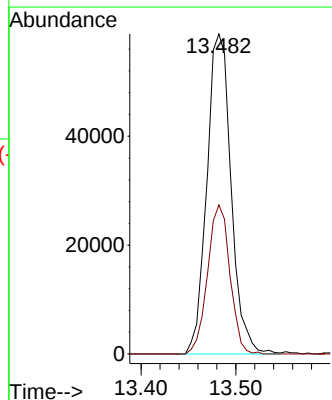
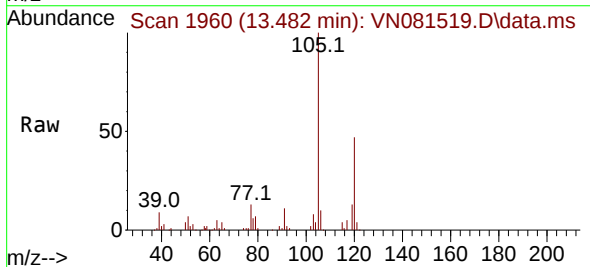
Instrument :
MSVOA_N
ClientSampleId :
S-2

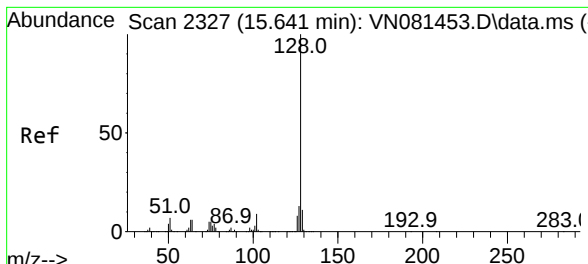
Tgt Ion:105 Resp: 34611
Ion Ratio Lower Upper
105 100
120 51.1 23.0 69.0



#84
1,2,4-Trimethylbenzene
Concen: 4.388 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081519.D
Acq: 21 Mar 2024 15:01

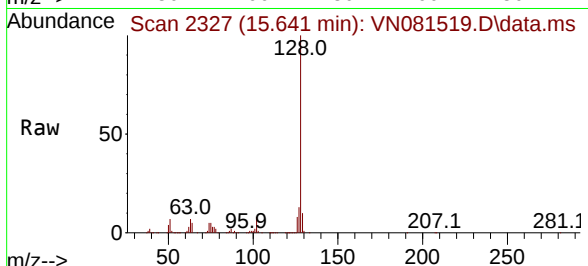
Tgt Ion:105 Resp: 104395
Ion Ratio Lower Upper
105 100
120 42.8 20.9 62.7





#95
 Naphthalene
 Concen: 49.354 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN081519.D
 Acq: 21 Mar 2024 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 S-2



Tgt Ion:128 Resp: 1157683

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	10.5	8.7	13.1

