

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080468.D
 Acq On : 13 Dec 2023 17:39
 Operator : JC\MD
 Sample : 05791-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:10:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	254274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	458129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	469709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	214876	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	165201	50.868	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.740%
35) Dibromofluoromethane	8.165	113	139432	48.002	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.000%
50) Toluene-d8	10.565	98	492714	45.482	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.960%
62) 4-Bromofluorobenzene	12.847	95	201033	48.870	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.740%

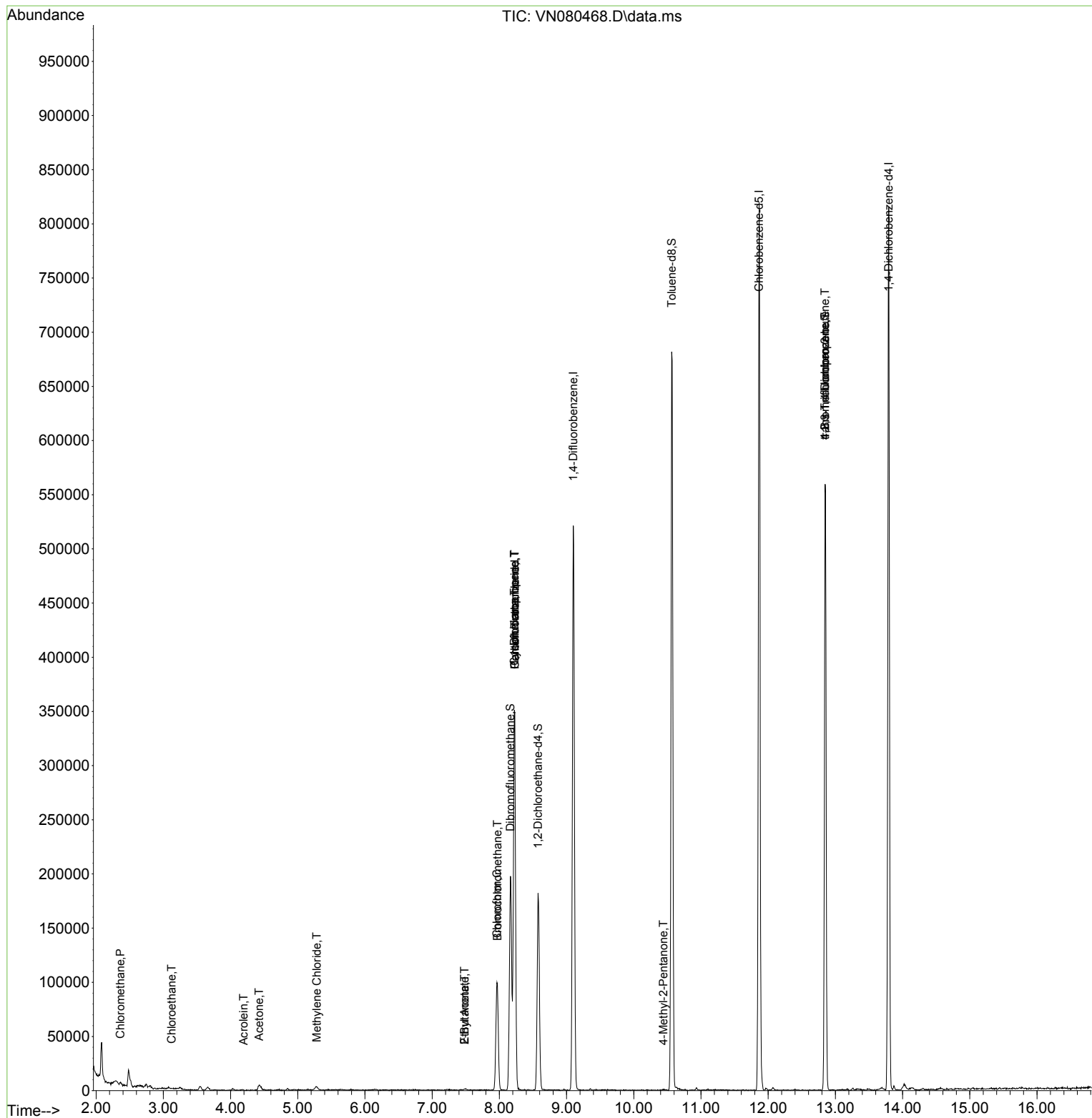
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	3773	0.713	ug/l #	78
6) Chloroethane	3.124	64	544	0.305	ug/l #	43
13) Acrolein	4.195	56	341	0.814	ug/l #	16
16) Acetone	4.424	43	10211	17.732	ug/l #	79
20) Methylene Chloride	5.283	84	2969	0.963	ug/l #	93
25) 2-Butanone	7.483	43	2040	1.839	ug/l #	87
28) Bromochloromethane	7.971	49	7265	3.715	ug/l #	5
30) Chloroform	7.965	83	101866	18.020	ug/l	99
31) Cyclohexane	8.224	56	5517	1.249	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	20266	4.267	ug/l #	50
37) Ethyl Acetate	7.483	43	2040	0.686	ug/l #	63
38) Carbon Tetrachloride	8.230	117	28490	5.020	ug/l #	15
51) 4-Methyl-2-Pentanone	10.441	43	716	0.243	ug/l #	83
76) 1,2,3-Trichloropropane	12.847	75	110867	25.863	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	110867	67.906	ug/l #	15

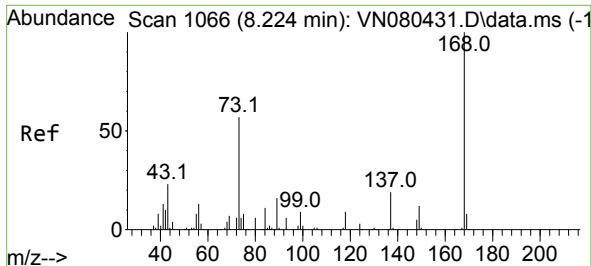
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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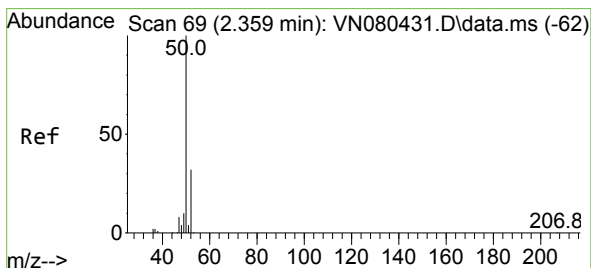
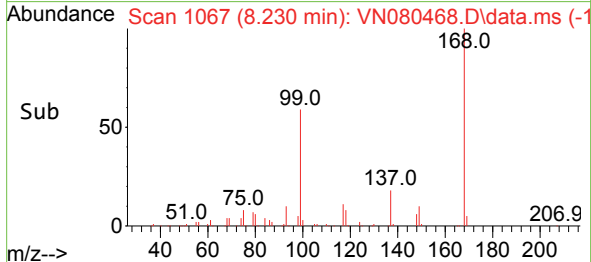
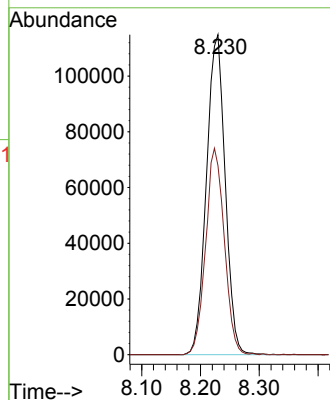
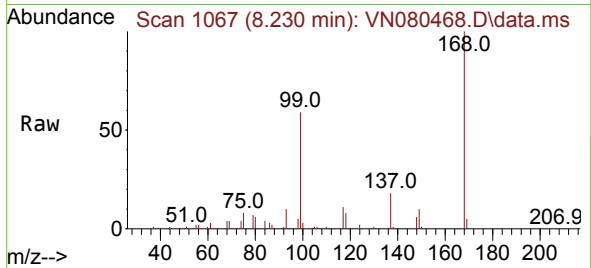




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

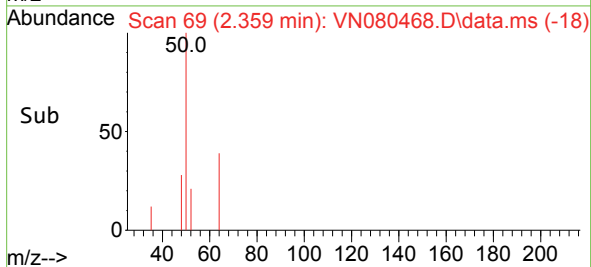
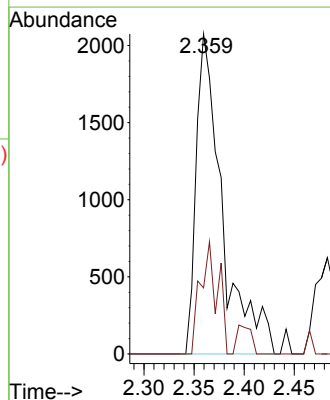
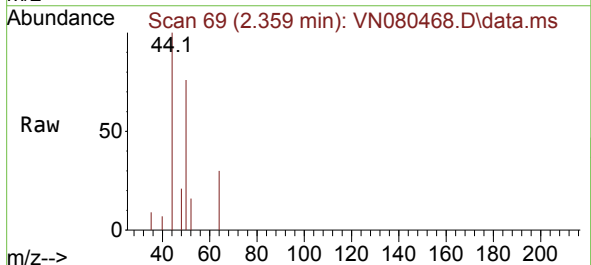
Instrument :
MSVOA_N
ClientSampleId :

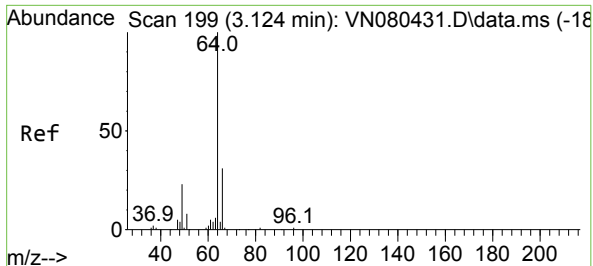
Tgt Ion:168 Resp: 254274
Ion Ratio Lower Upper
168 100
99 59.1 53.0 79.6



#3
Chloromethane
Concen: 0.713 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

Tgt Ion: 50 Resp: 3773
Ion Ratio Lower Upper
50 100
52 20.7 26.5 39.7#

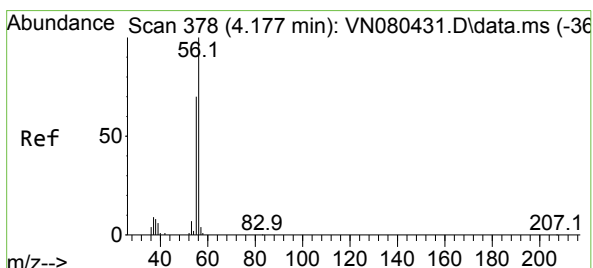
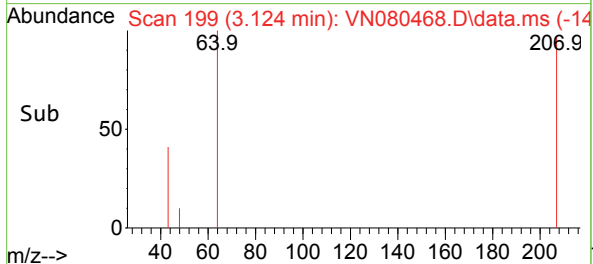
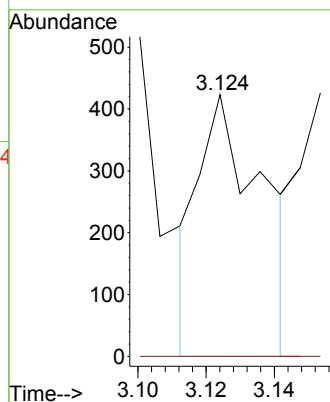
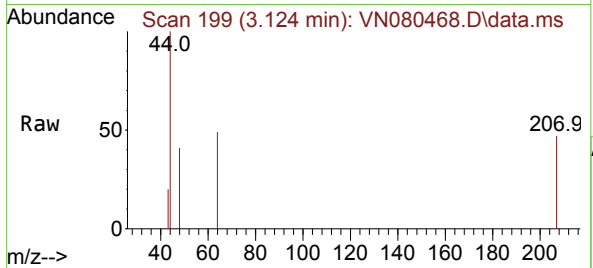




#6
Chloroethane
Concen: 0.305 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

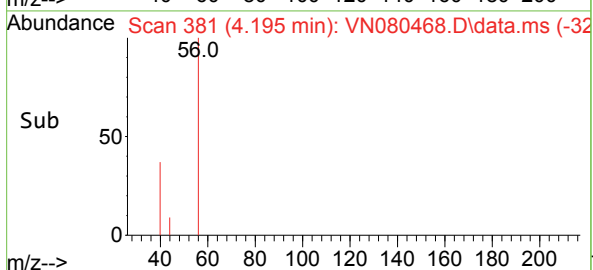
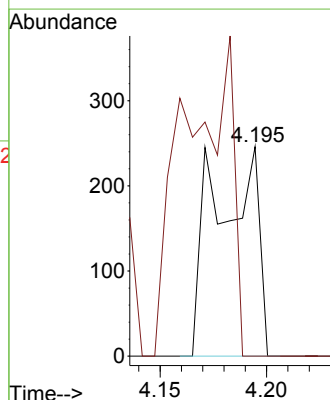
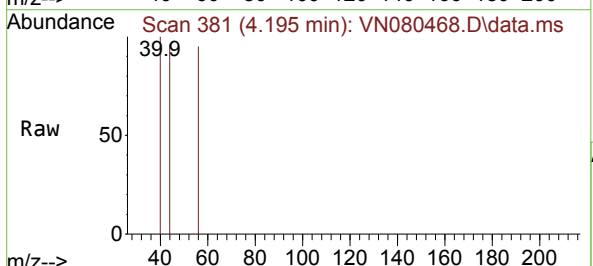
Instrument :
MSVOA_N
ClientSampleId :

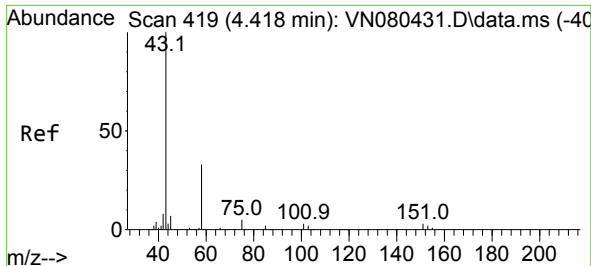
Tgt Ion: 64 Resp: 544
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.814 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

Tgt Ion: 56 Resp: 341
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

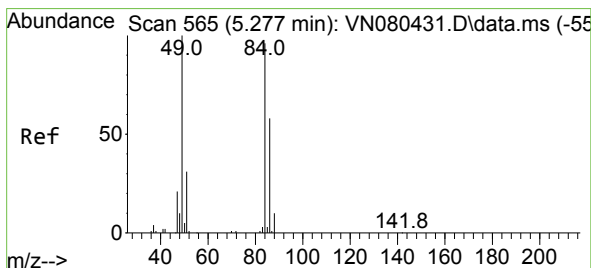
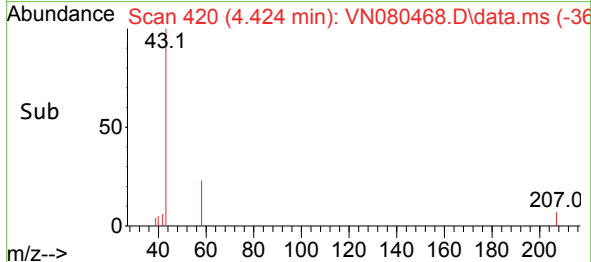
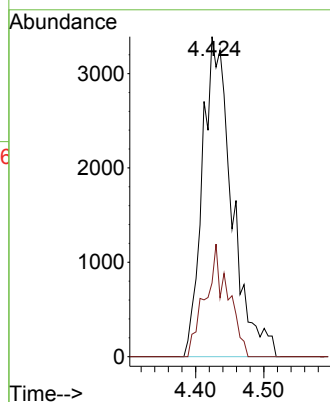
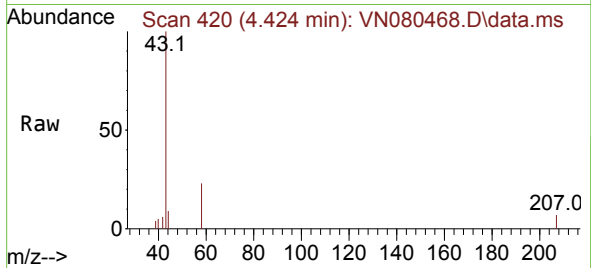




#16
Acetone
Concen: 17.732 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

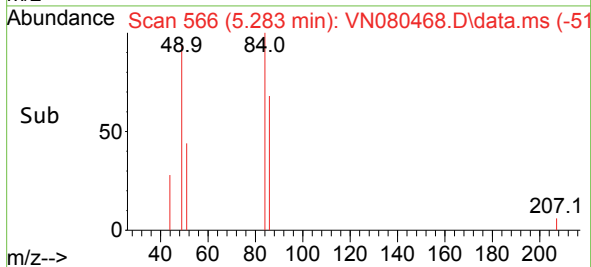
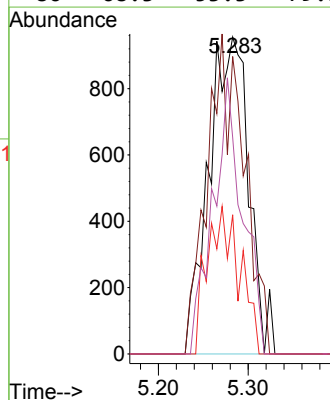
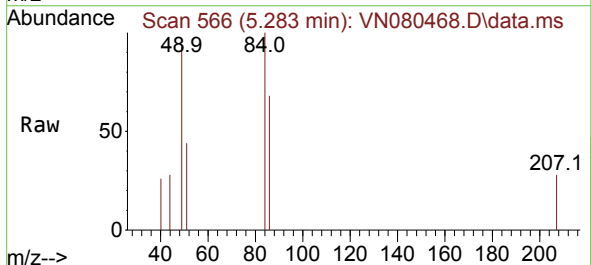
Instrument :
MSVOA_N
ClientSampleId :

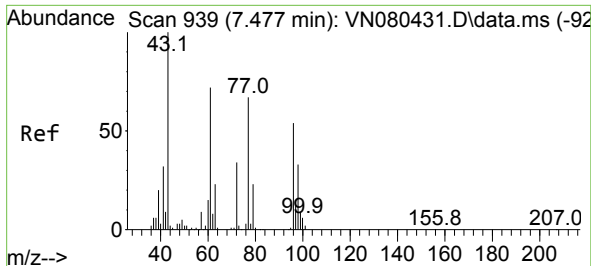
Tgt Ion: 43 Resp: 10211
Ion Ratio Lower Upper
43 100
58 23.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.963 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

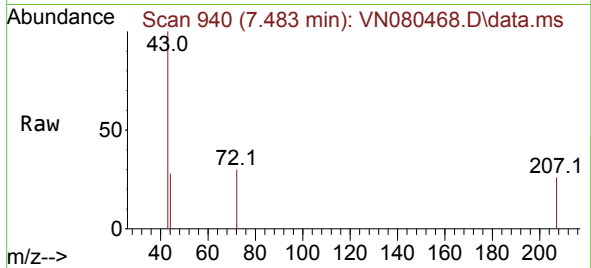
Tgt Ion: 84 Resp: 2969
Ion Ratio Lower Upper
84 100
49 93.8 79.7 119.5
51 43.9 25.2 37.8#
86 68.3 53.3 79.9



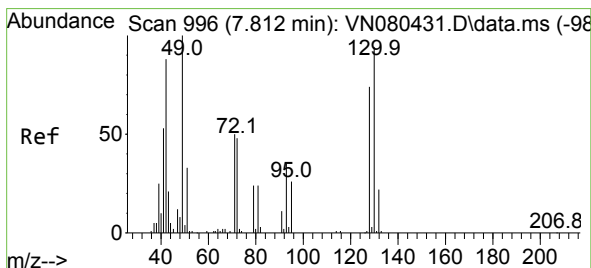
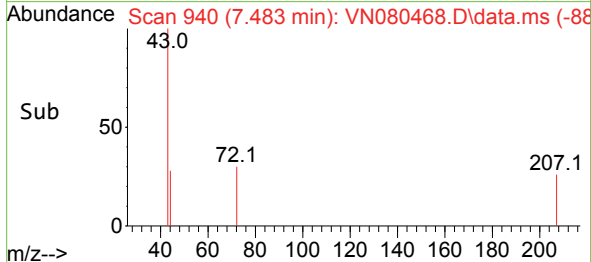
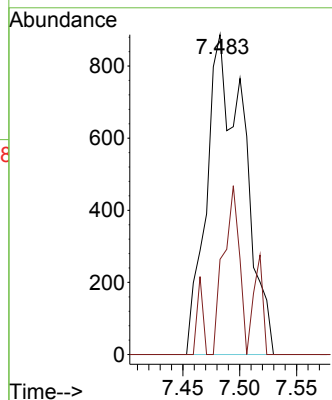


#25
2-Butanone
Concen: 1.839 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

Instrument :
MSVOA_N
ClientSampleId :

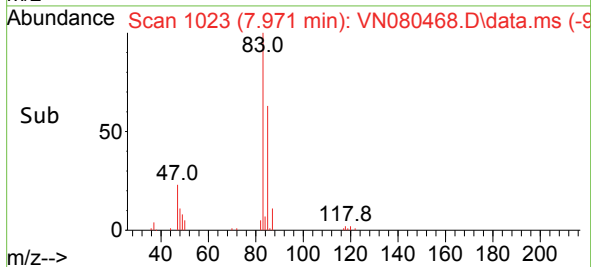
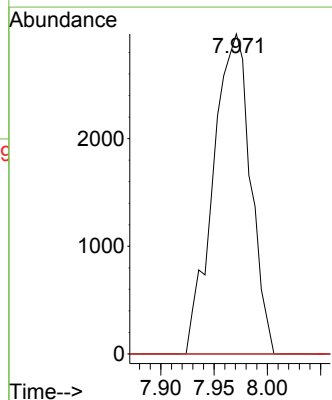
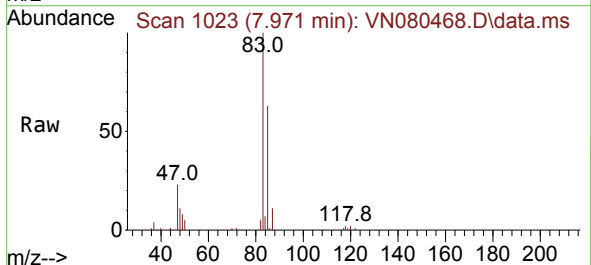


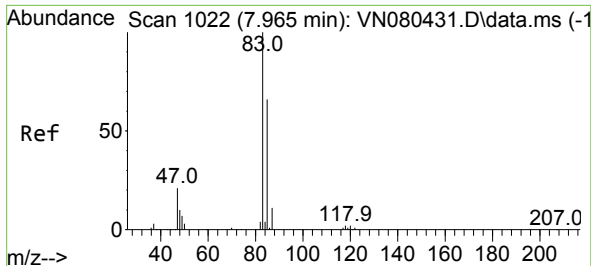
Tgt Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
72 29.8 30.2 45.2#



#28
Bromochloromethane
Concen: 3.715 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.159 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

Tgt Ion: 49 Resp: 7265
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#

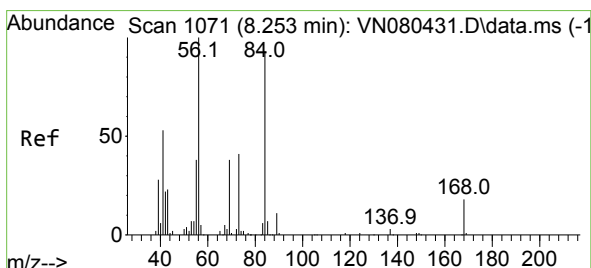
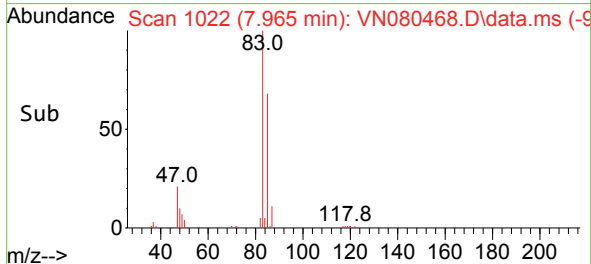
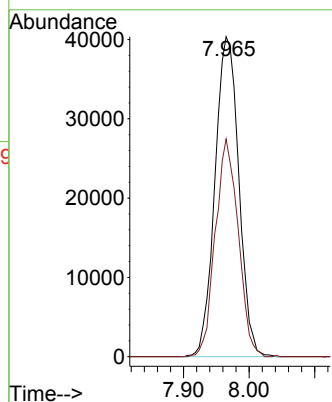
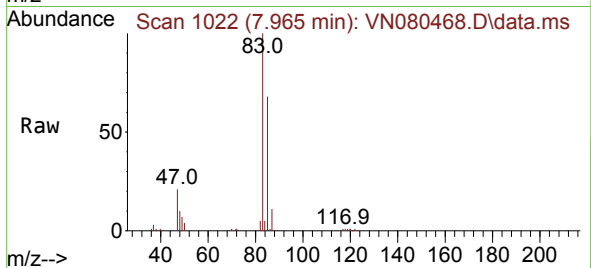




#30
Chloroform
Concen: 18.020 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

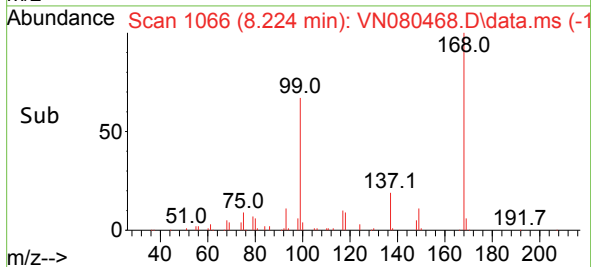
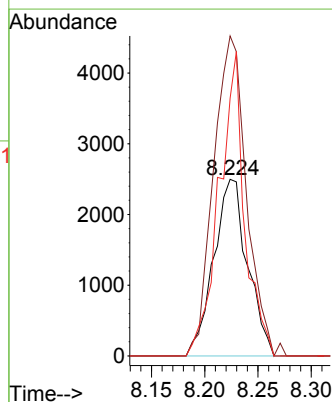
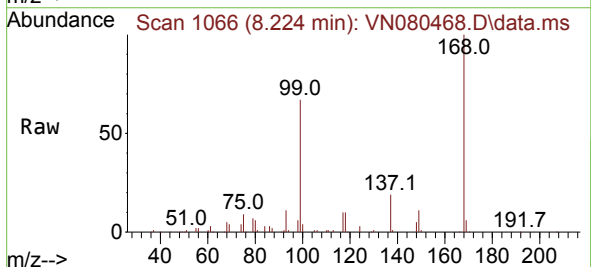
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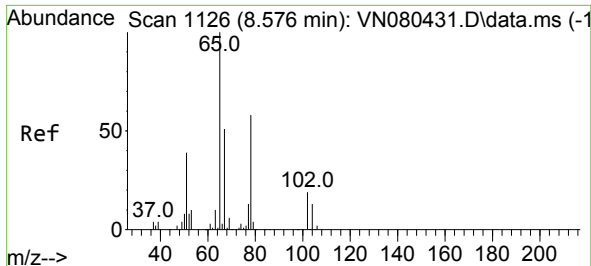
Tgt Ion: 83 Resp: 101866
Ion Ratio Lower Upper
83 100
85 68.0 55.4 83.0



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

Tgt Ion: 56 Resp: 5517
Ion Ratio Lower Upper
56 100
69 181.2 26.8 40.2#
84 146.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 50.868 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080468.D

Acq: 13 Dec 2023 17:39

Instrument :

MSVOA_N

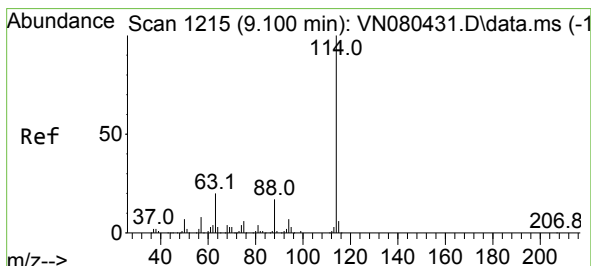
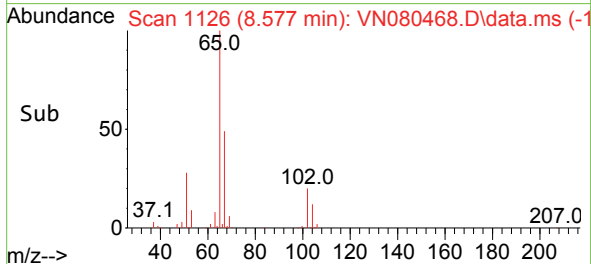
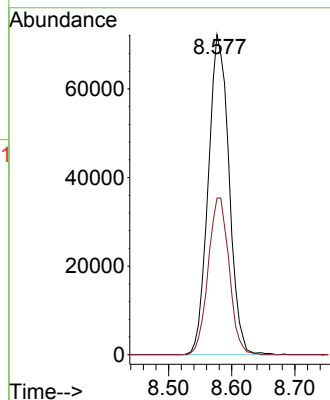
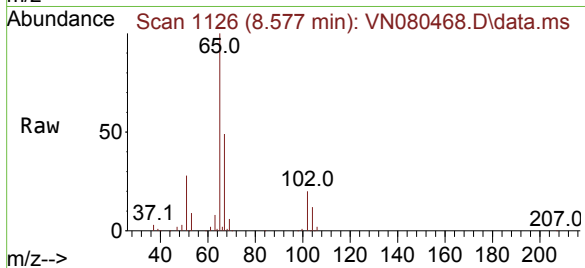
ClientSampleId :

Tgt Ion: 65 Resp: 165201

Ion Ratio Lower Upper

65 100

67 49.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080468.D

Acq: 13 Dec 2023 17:39

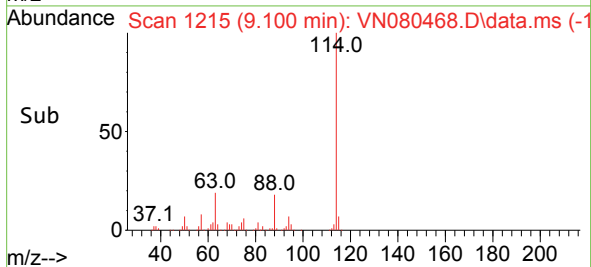
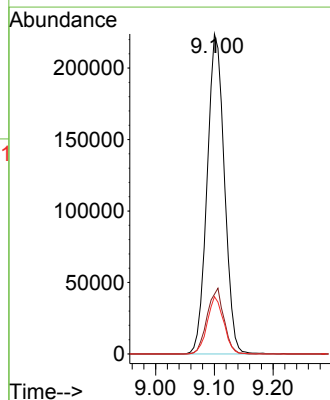
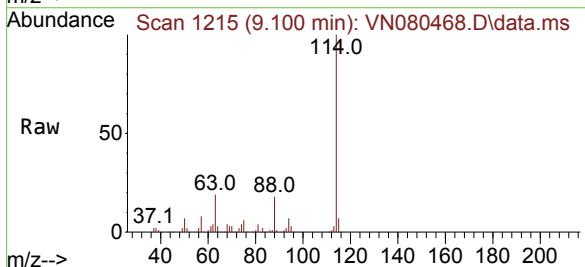
Tgt Ion: 114 Resp: 458129

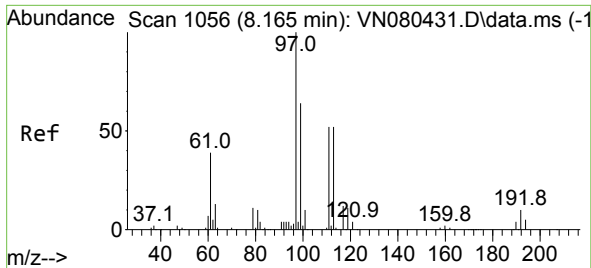
Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.4

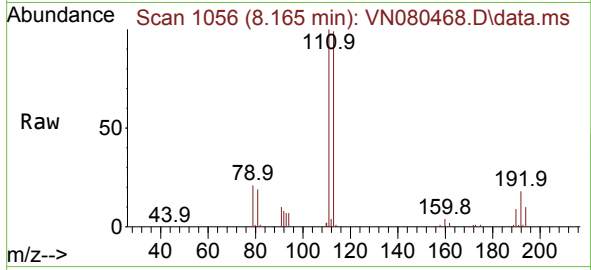
88 17.9 0.0 30.6



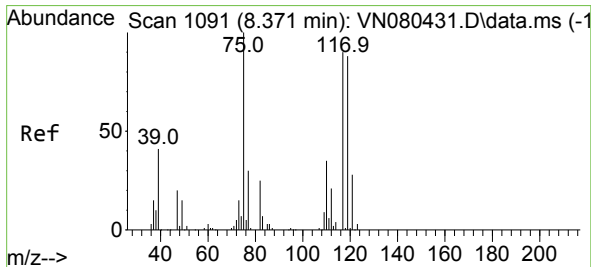
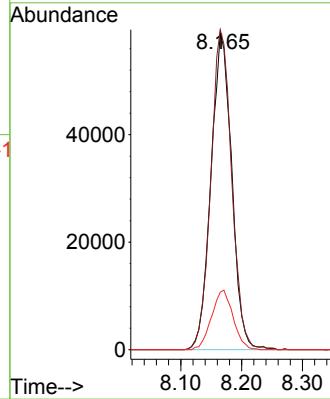
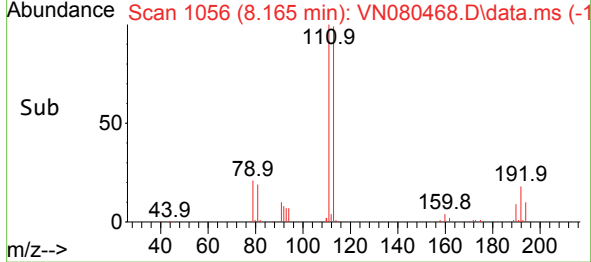


#35
 Dibromofluoromethane
 Concen: 48.002 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VN080468.D
 Acq: 13 Dec 2023 17:39

Instrument :
 MSVOA_N
 ClientSampleId :

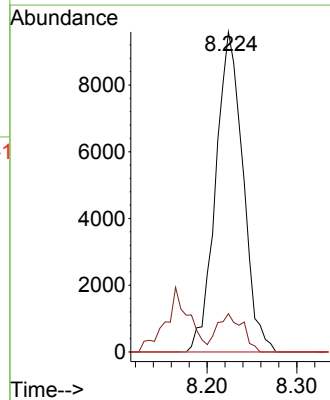
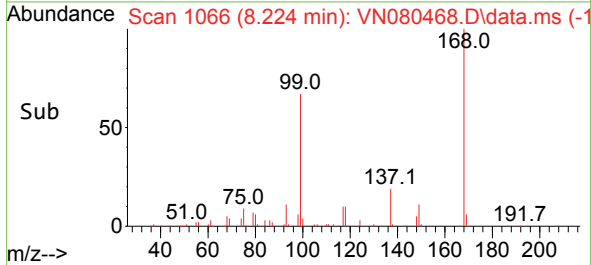
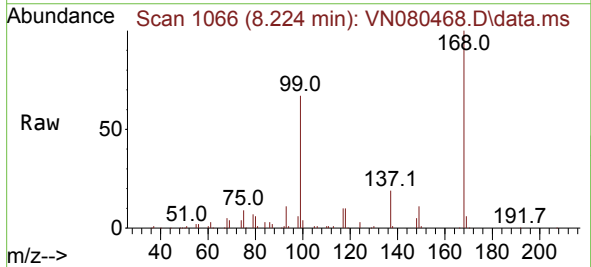


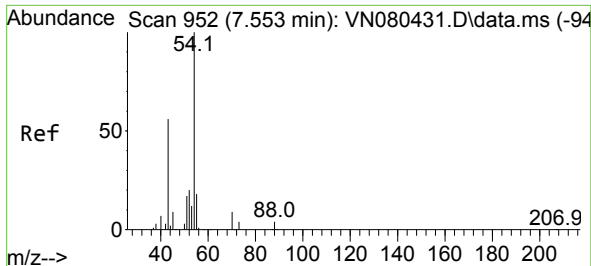
Tgt Ion:113 Resp: 139432
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.6 123.8
 192 19.5 12.7 19.1#



#36
 1,1-Dichloropropene
 Concen: 4.267 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN080468.D
 Acq: 13 Dec 2023 17:39

Tgt Ion: 75 Resp: 20266
 Ion Ratio Lower Upper
 75 100
 110 11.2 19.1 57.3#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.686 ug/l

RT: 7.483 min Scan# 94

Delta R.T. -0.070 min

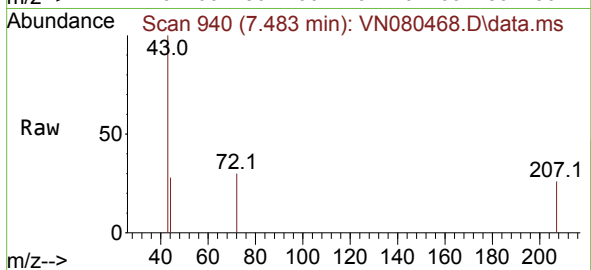
Lab File: VN080468.D

Acq: 13 Dec 2023 17:39

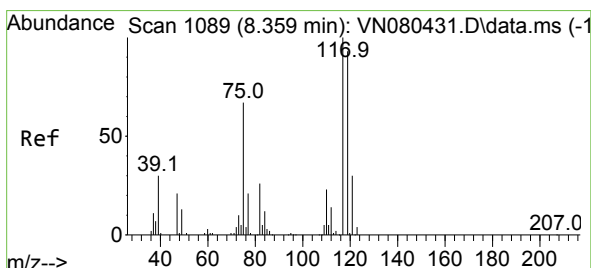
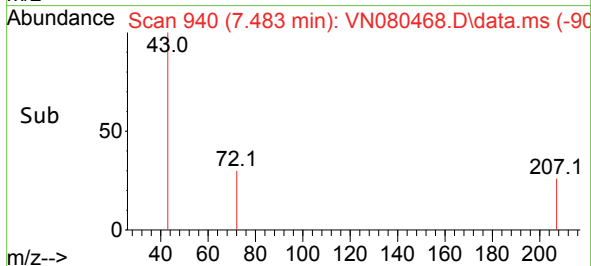
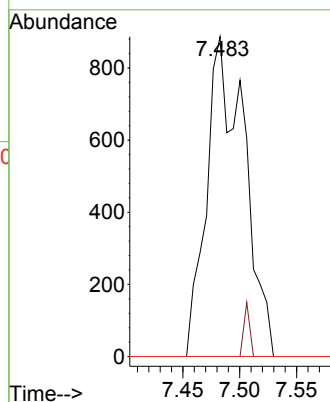
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2040
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.2	19.8#
70	0.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.020 ug/l

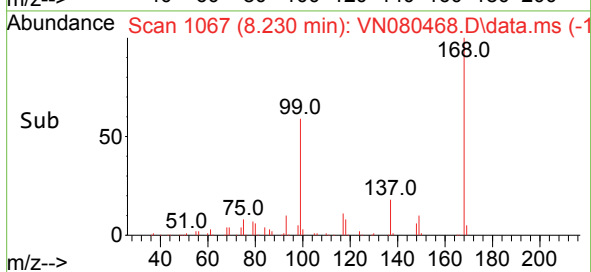
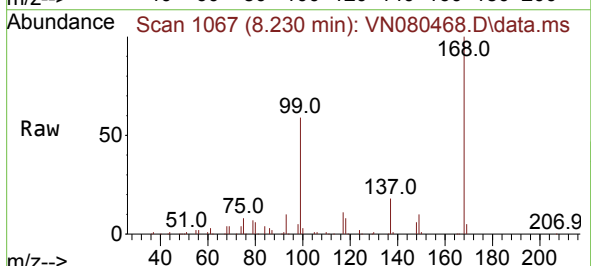
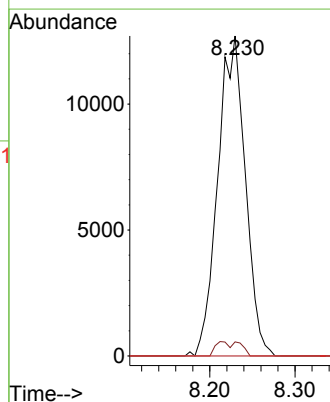
RT: 8.230 min Scan# 1067

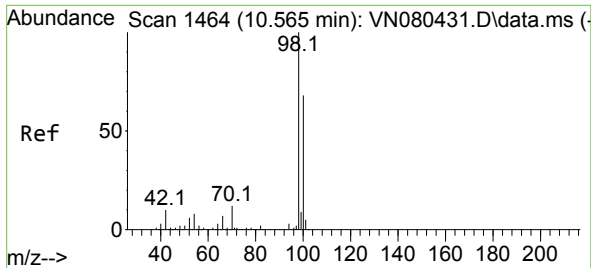
Delta R.T. -0.129 min

Lab File: VN080468.D

Acq: 13 Dec 2023 17:39

Tgt Ion:	117	Resp:	28490
Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.3	115.9#
121	0.0	23.3	34.9#

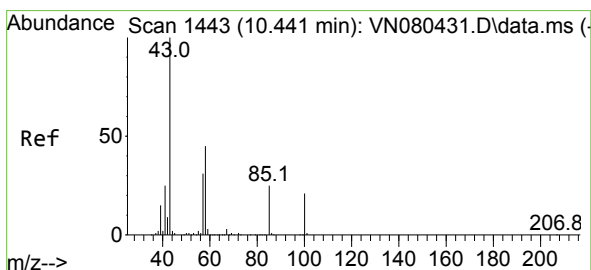
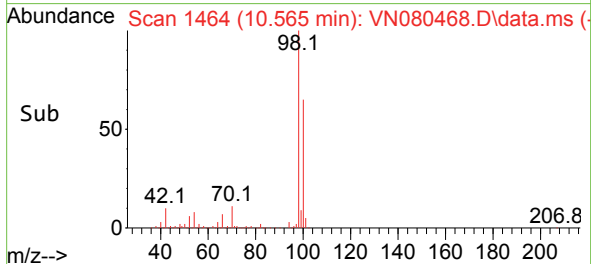
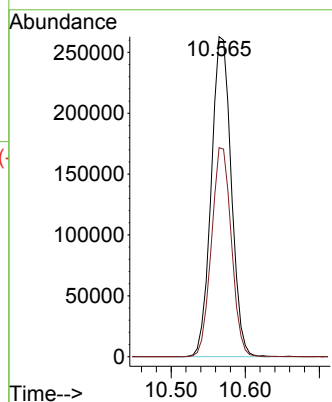
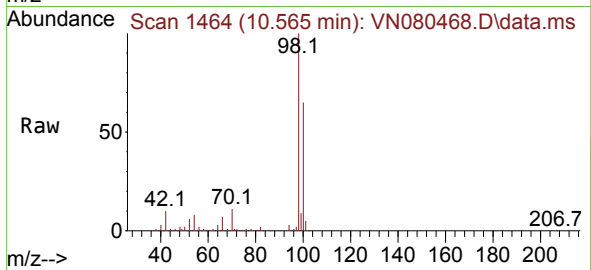




#50
Toluene-d8
Concen: 45.482 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

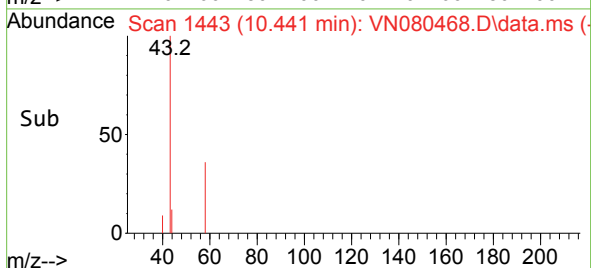
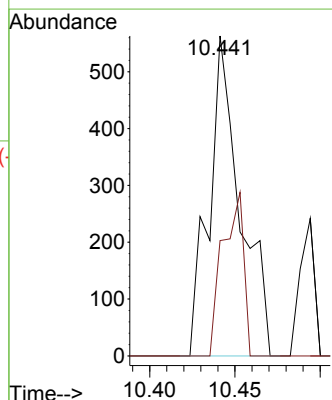
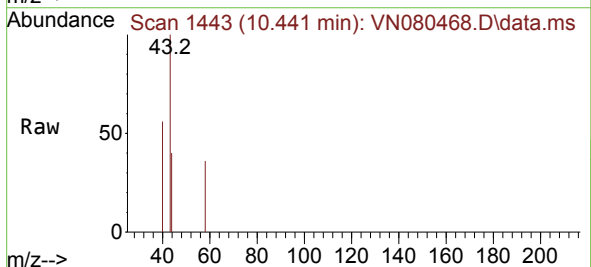
Instrument :
MSVOA_N
ClientSampleId :

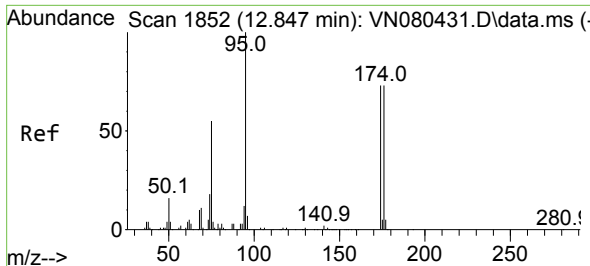
Tgt Ion: 98 Resp: 492714
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.243 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
58 34.4 36.6 54.8#

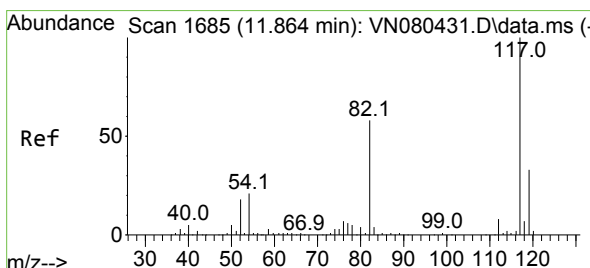
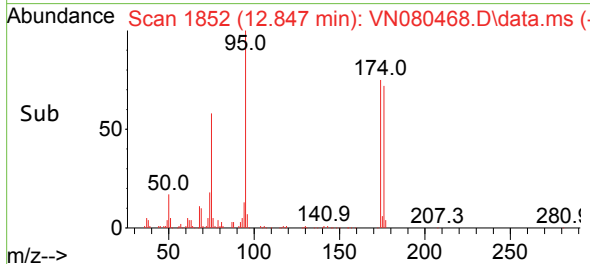
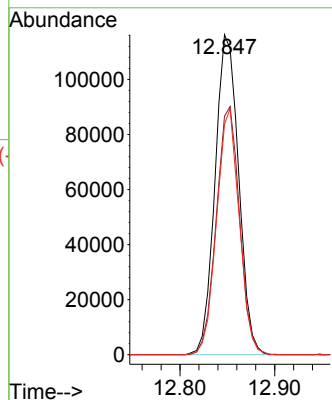
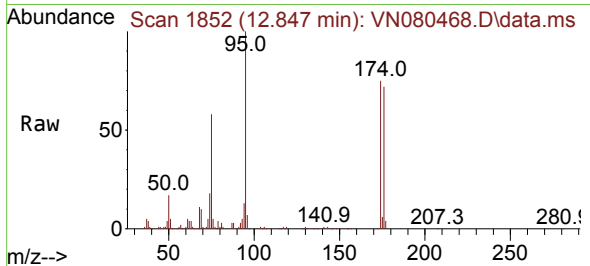




#62
4-Bromofluorobenzene
Concen: 48.870 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

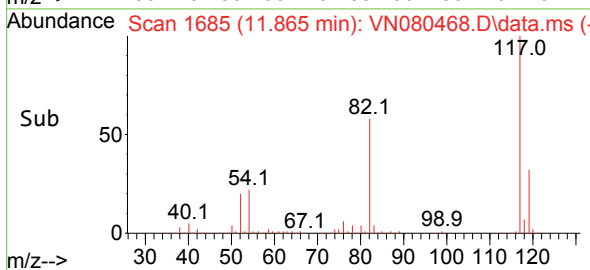
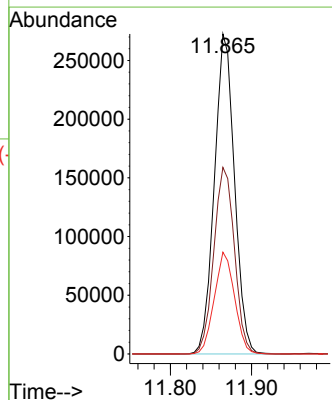
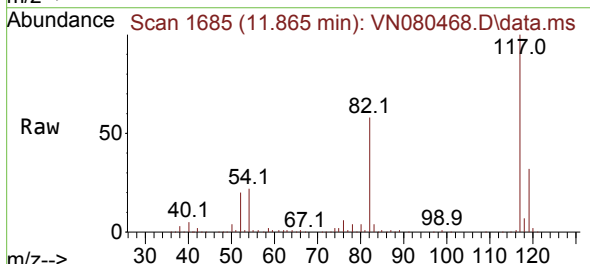
Instrument :
MSVOA_N
ClientSampleId :

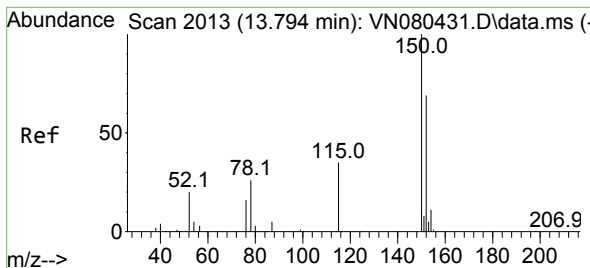
Tgt Ion: 95 Resp: 201033
Ion Ratio Lower Upper
95 100
174 76.7 0.0 143.8
176 73.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080468.D
Acq: 13 Dec 2023 17:39

Tgt Ion: 117 Resp: 469709
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

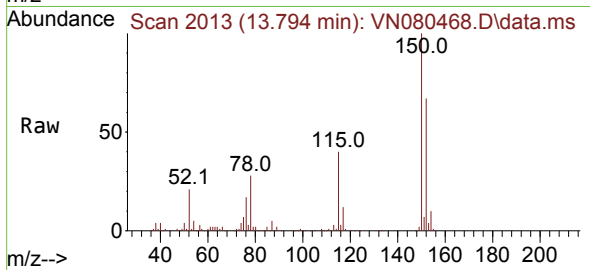
Lab File: VN080468.D

Acq: 13 Dec 2023 17:39

Instrument :

MSVOA_N

ClientSampleId :



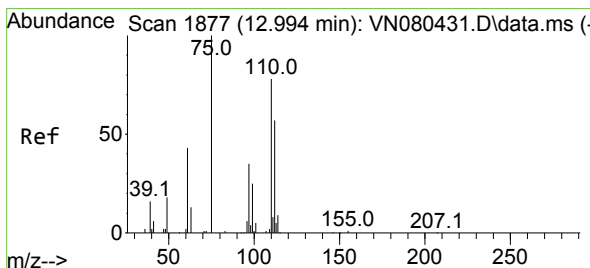
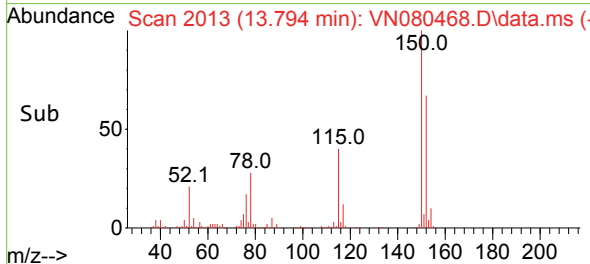
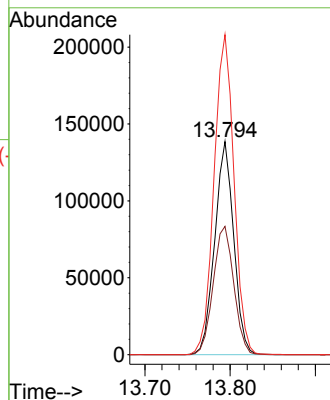
Tgt Ion:152 Resp: 214876

Ion Ratio Lower Upper

152 100

115 65.1 32.3 96.8

150 157.5 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.863 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080468.D

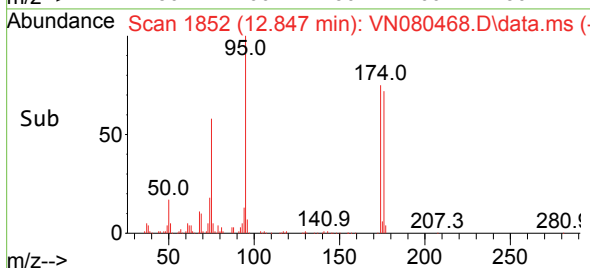
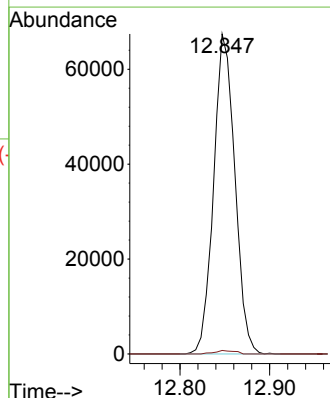
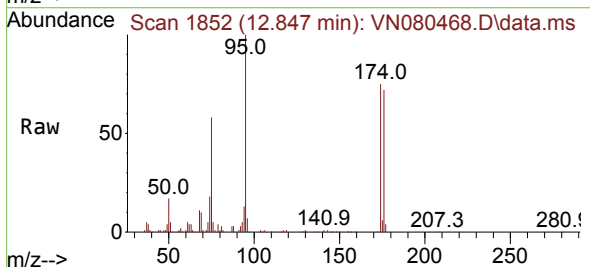
Acq: 13 Dec 2023 17:39

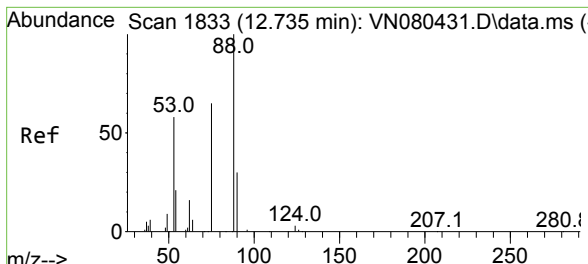
Tgt Ion: 75 Resp: 110867

Ion Ratio Lower Upper

75 100

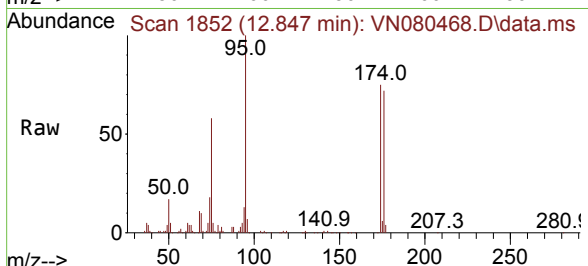
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.906 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080468.D
 Acq: 13 Dec 2023 17:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 110867
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

