

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080517.D
 Acq On : 19 Dec 2023 13:59
 Operator : JC\MD
 Sample : 05886-05 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 04:01:29 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)

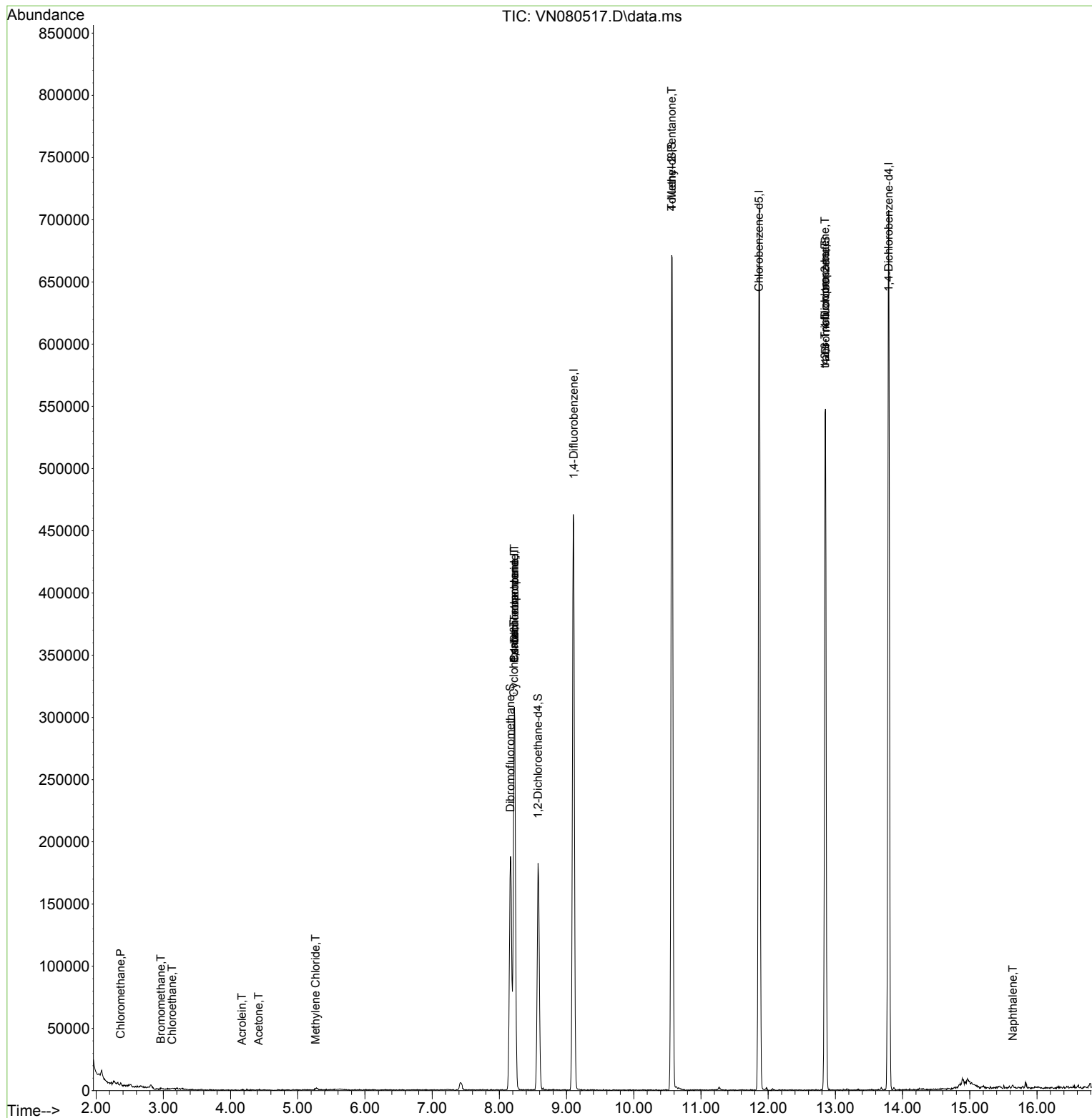
Internal Standards						
1) Pentafluorobenzene	8.224	168	219559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	404039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	417452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159471	56.867	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.740%	
35) Dibromofluoromethane	8.165	113	134609	52.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.100%	
50) Toluene-d8	10.565	98	484750	50.737	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.853	95	196424	54.142	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2435	0.429	ug/l #	87
5) Bromomethane	2.965	94	255	0.236	ug/l #	4
6) Chloroethane	3.130	64	321	0.208	ug/l #	43
13) Acrolein	4.171	56	308	0.852	ug/l #	40
16) Acetone	4.418	43	265	0.533	ug/l #	40
20) Methylene Chloride	5.265	84	643	0.242	ug/l #	34
31) Cyclohexane	8.218	56	4495	1.179	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	17716	4.230	ug/l #	50
38) Carbon Tetrachloride	8.224	117	25218	5.039	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	1806	0.695	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	108033	28.050	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108033	73.647	ug/l #	15
95) Naphthalene	15.641	128	3055	0.284	ug/l #	86

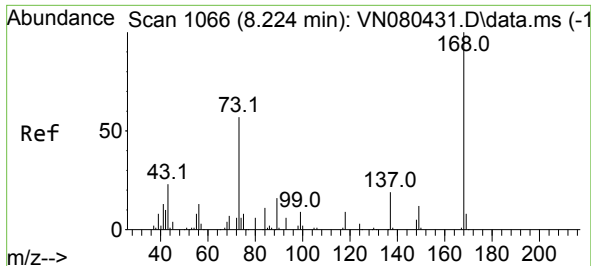
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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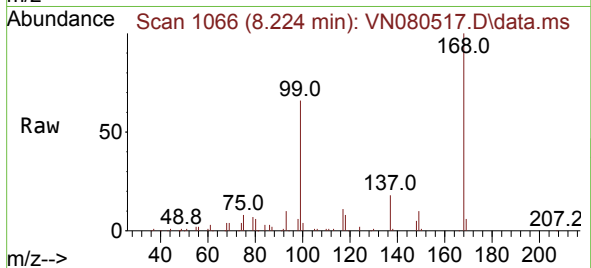
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration



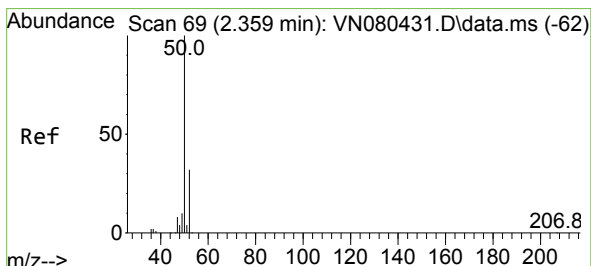
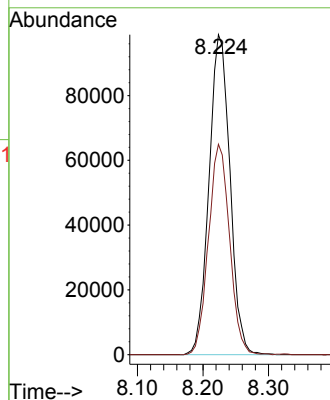
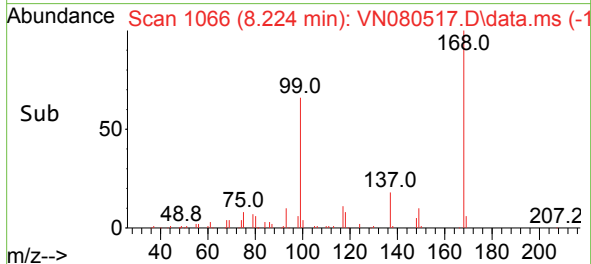


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :

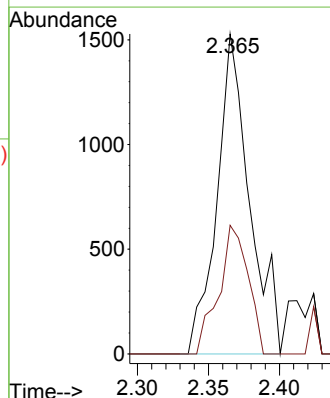
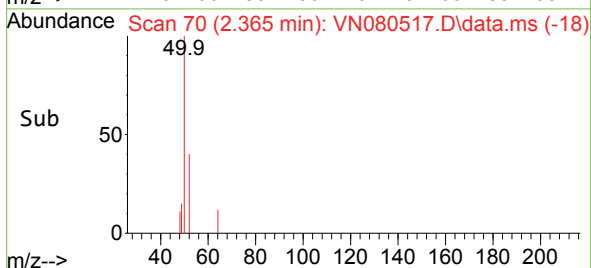
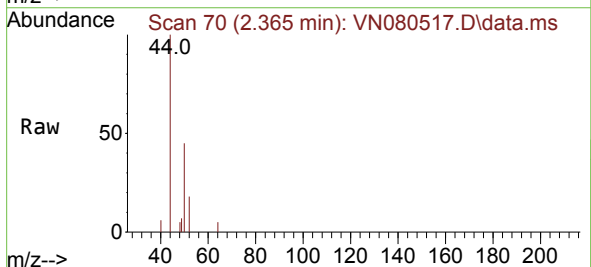


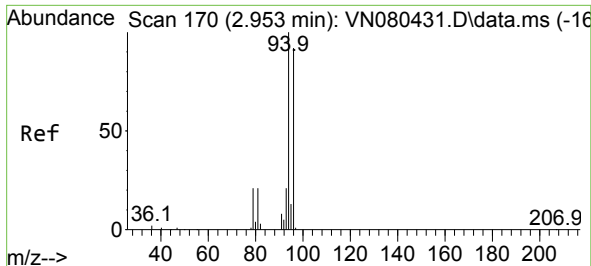
Tgt Ion:168 Resp: 219559
Ion Ratio Lower Upper
168 100
99 65.7 53.0 79.6



#3
Chloromethane
Concen: 0.429 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

Tgt Ion: 50 Resp: 2435
Ion Ratio Lower Upper
50 100
52 40.2 26.5 39.7#

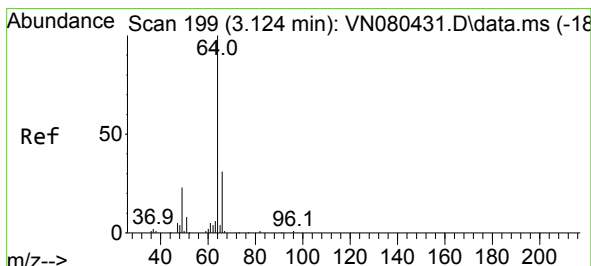
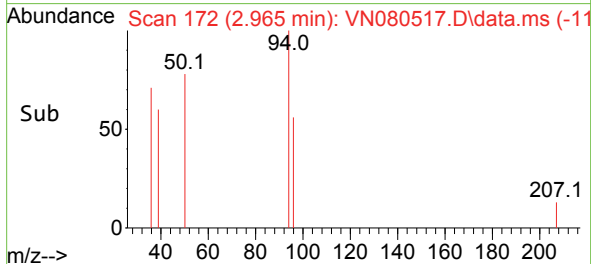
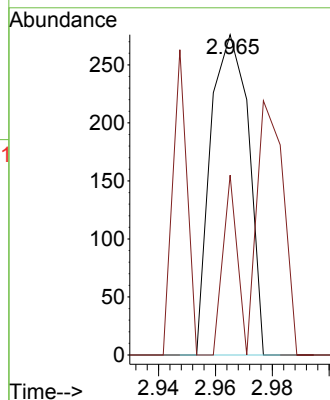
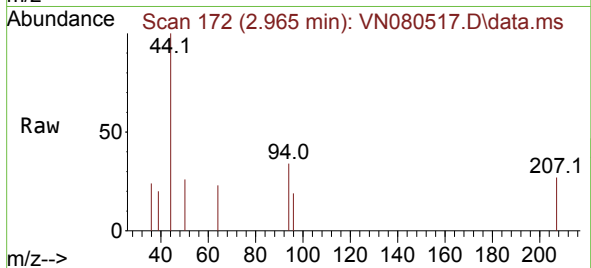




#5
Bromomethane
Concen: 0.236 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

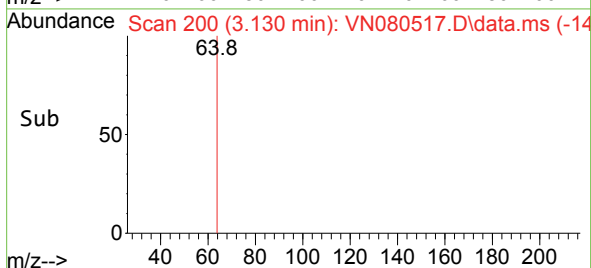
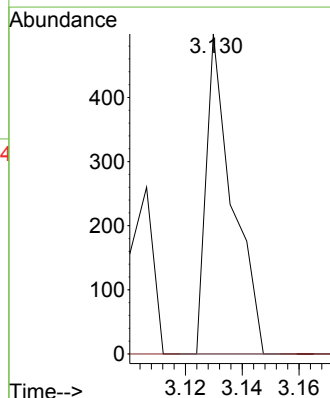
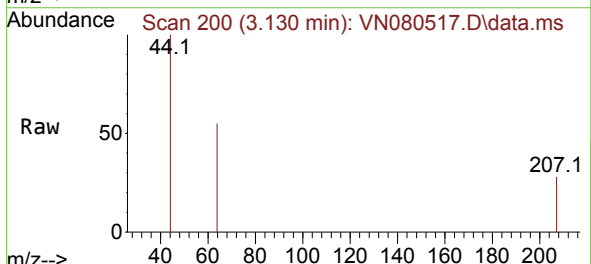
Instrument :
MSVOA_N
ClientSampleId :

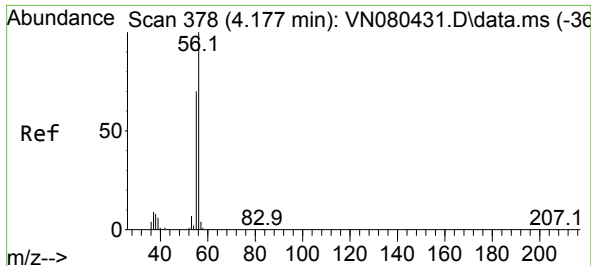
Tgt Ion: 94 Resp: 255
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: 0.208 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

Tgt Ion: 64 Resp: 321
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

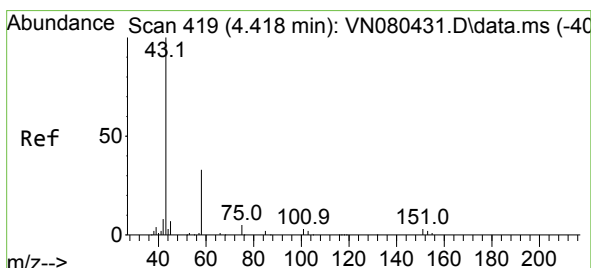
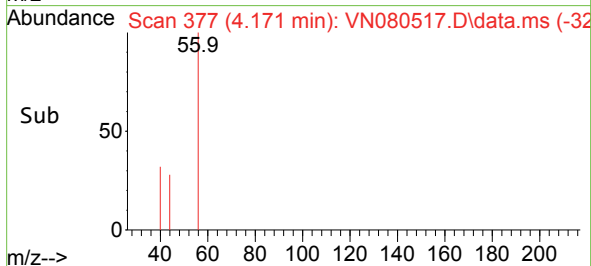
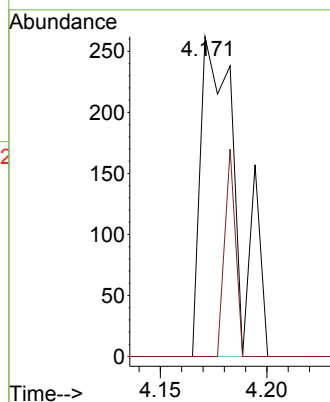
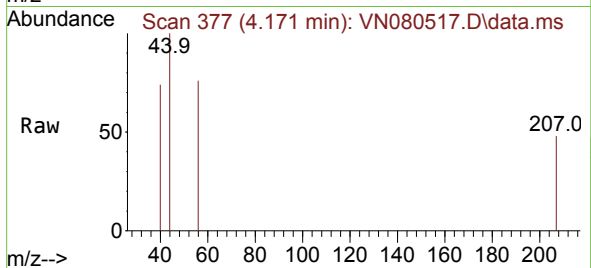




#13
Acrolein
Concen: 0.852 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

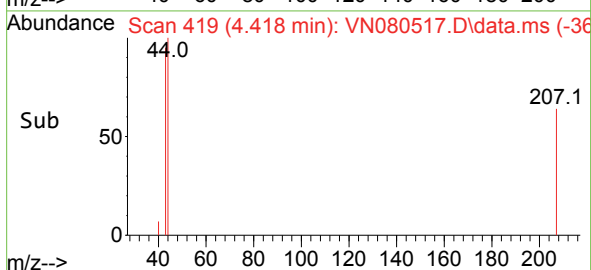
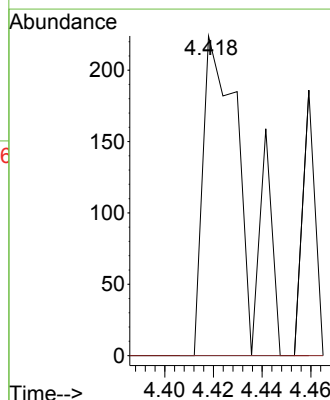
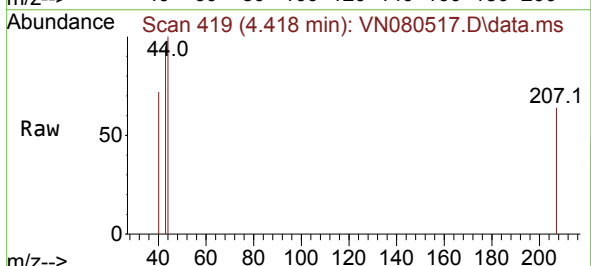
Instrument :
MSVOA_N
ClientSampleId :

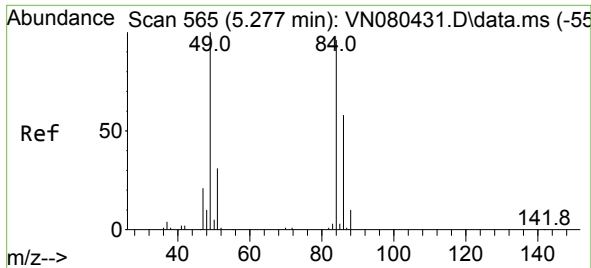
Tgt Ion: 56 Resp: 308
Ion Ratio Lower Upper
56 100
55 19.5 54.5 81.7#



#16
Acetone
Concen: 0.533 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

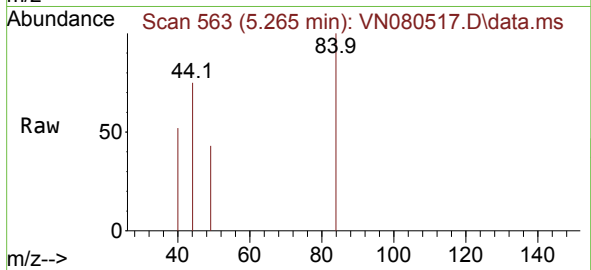
Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



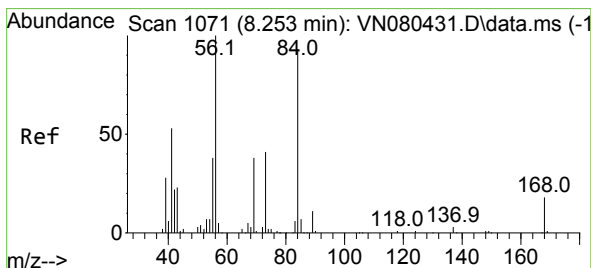
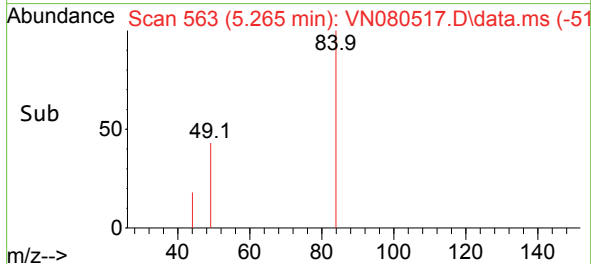
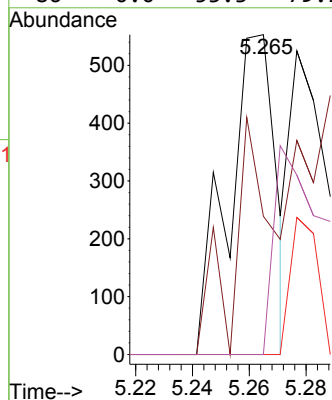


#20
Methylene Chloride
Concen: 0.242 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

Instrument :
MSVOA_N
ClientSampleId :

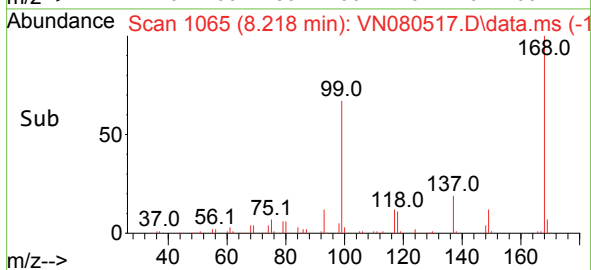
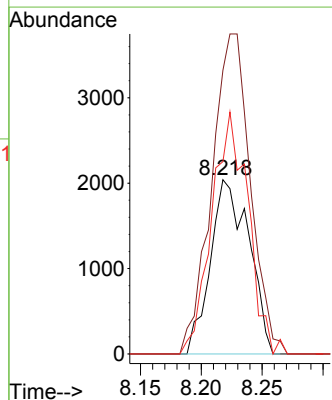
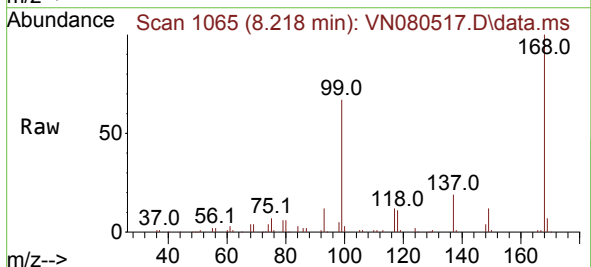


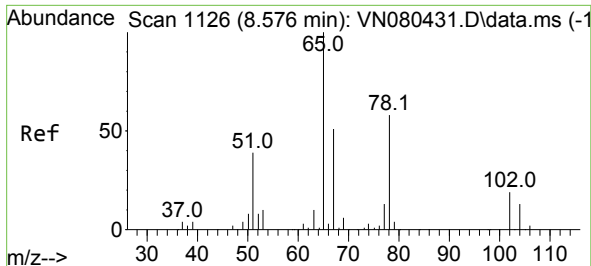
Tgt Ion:	84	Resp:	643
Ion	Ratio	Lower	Upper
84	100		
49	43.2	79.7	119.5#
51	0.0	25.2	37.8#
86	0.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

Tgt Ion:	56	Resp:	4495
Ion	Ratio	Lower	Upper
56	100		
69	162.8	26.8	40.2#
84	110.3	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 56.867 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080517.D

Acq: 19 Dec 2023 13:59

Instrument :

MSVOA_N

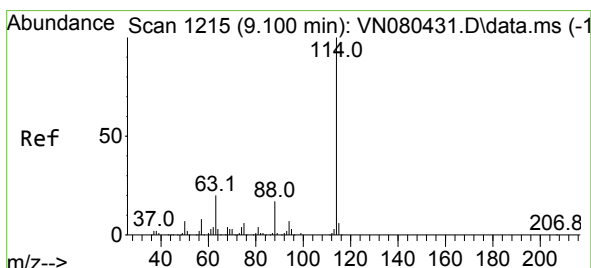
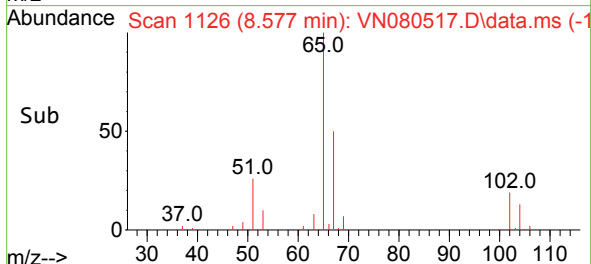
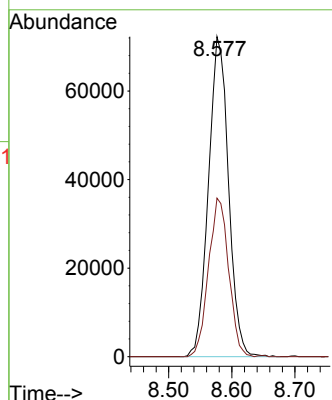
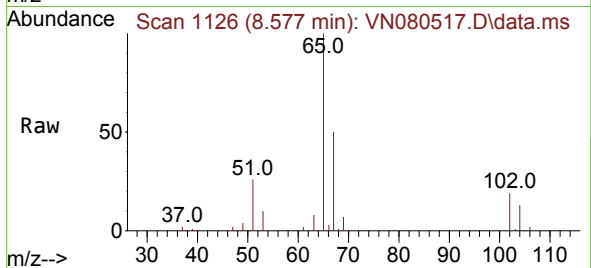
ClientSampleId :

Tgt Ion: 65 Resp: 159471

Ion Ratio Lower Upper

65 100

67 49.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080517.D

Acq: 19 Dec 2023 13:59

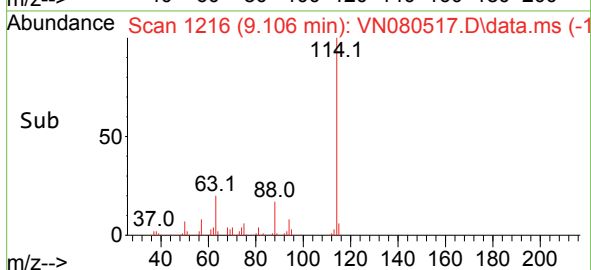
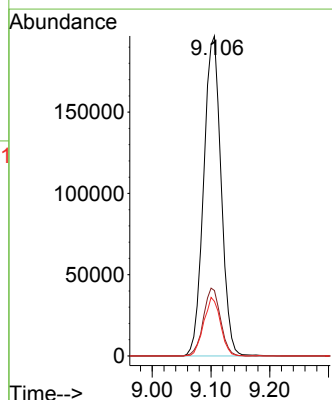
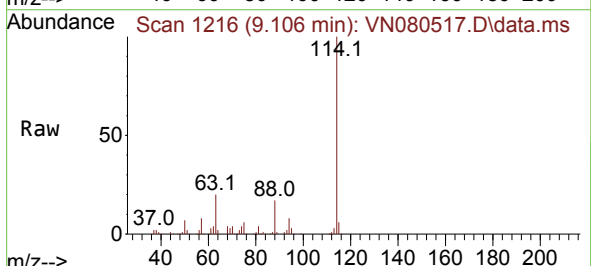
Tgt Ion: 114 Resp: 404039

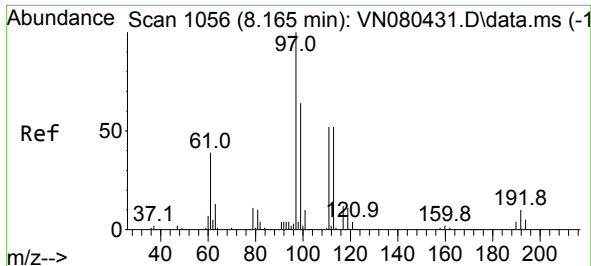
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 17.1 0.0 30.6

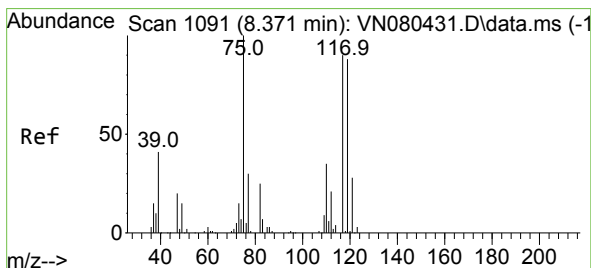
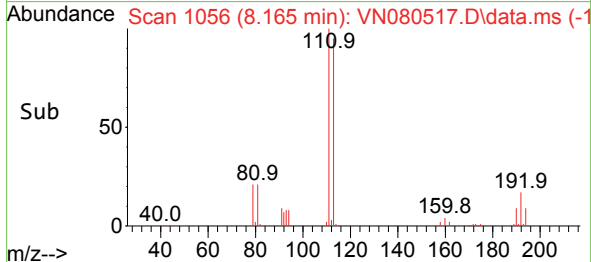
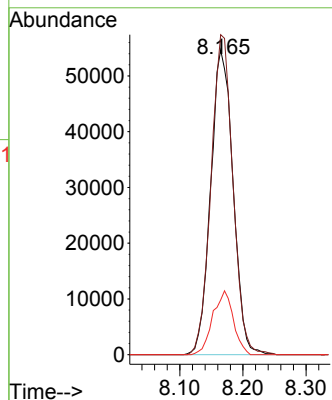
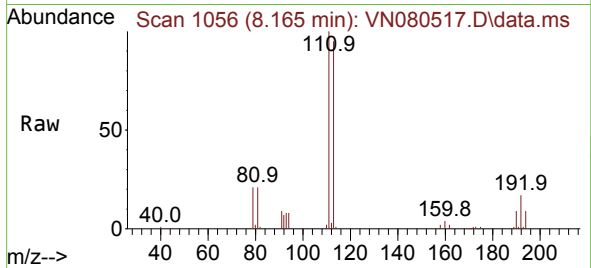




#35
Dibromofluoromethane
Concen: 52.545 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

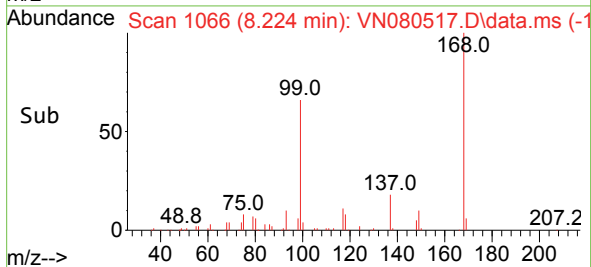
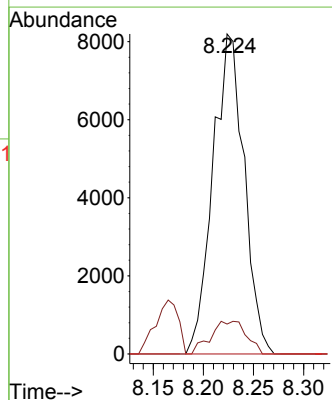
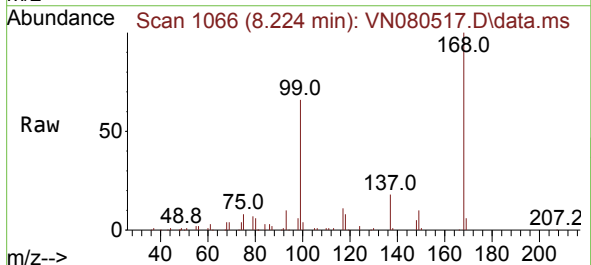
Instrument :
MSVOA_N
ClientSampleId :

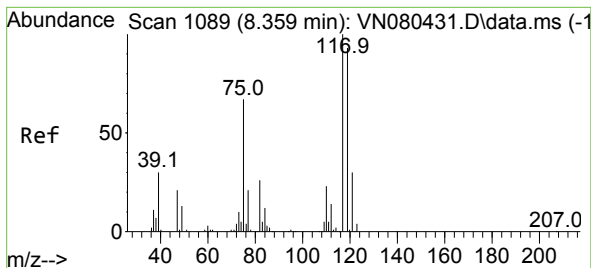
Tgt Ion:113 Resp: 134609
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 19.3 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.230 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

Tgt Ion: 75 Resp: 17716
Ion Ratio Lower Upper
75 100
110 11.7 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.039 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

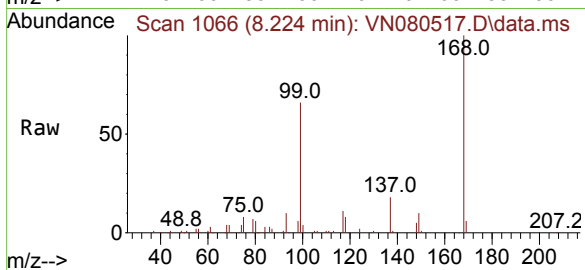
Lab File: VN080517.D

Acq: 19 Dec 2023 13:59

Instrument :

MSVOA_N

ClientSampleId :



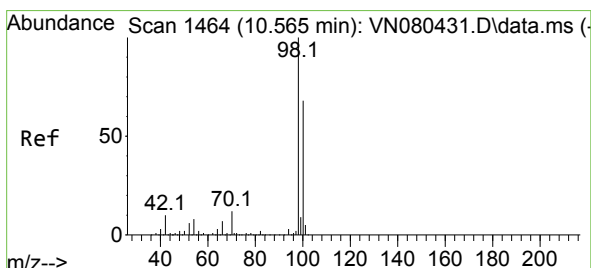
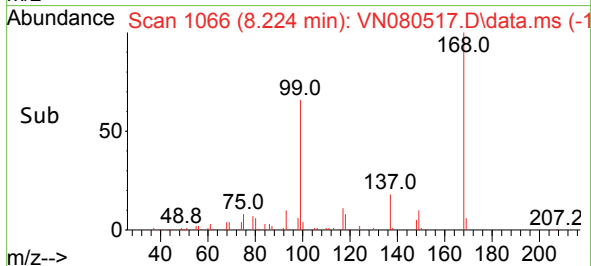
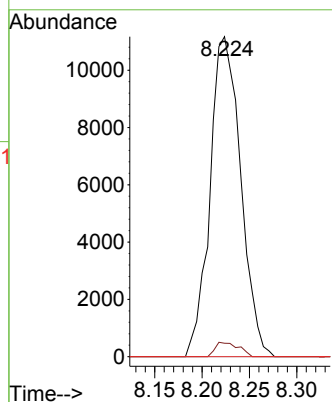
Tgt Ion:117 Resp: 25218

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.737 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080517.D

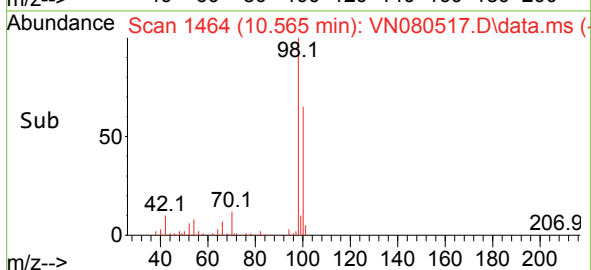
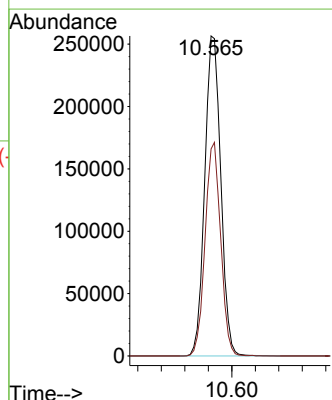
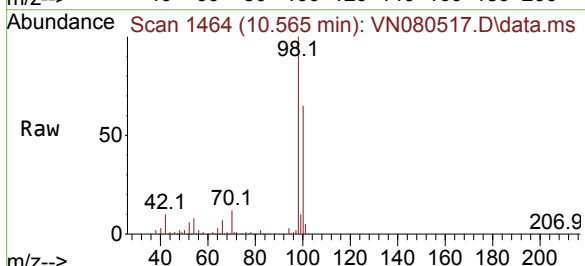
Acq: 19 Dec 2023 13:59

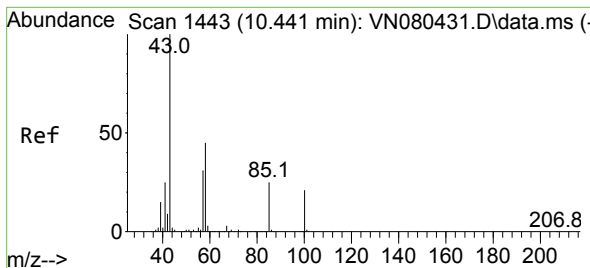
Tgt Ion: 98 Resp: 484750

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

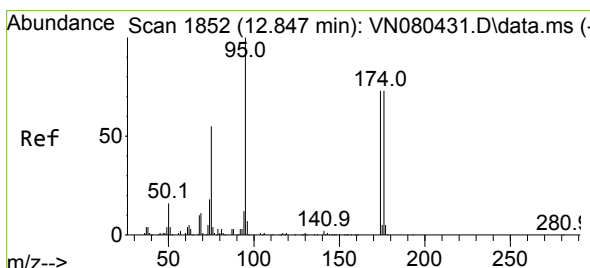
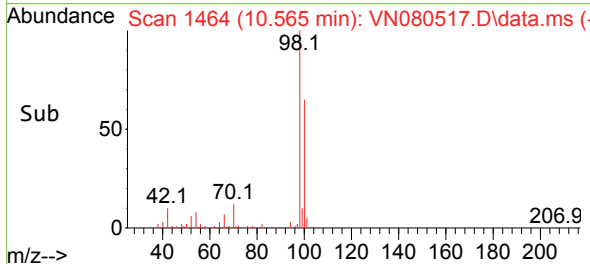
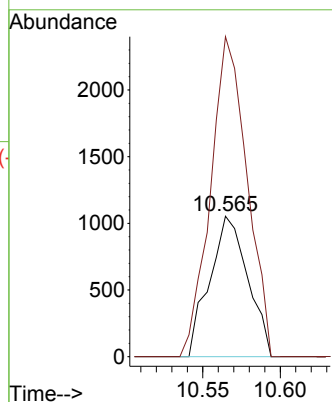
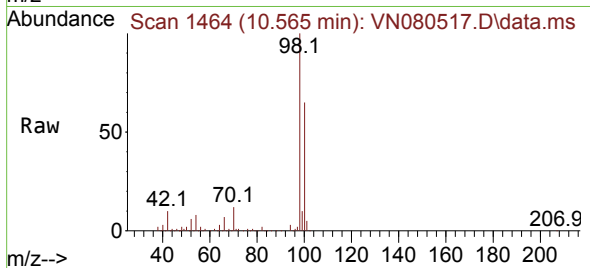




#51
4-Methyl-2-Pentanone
Concen: 0.695 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.124 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

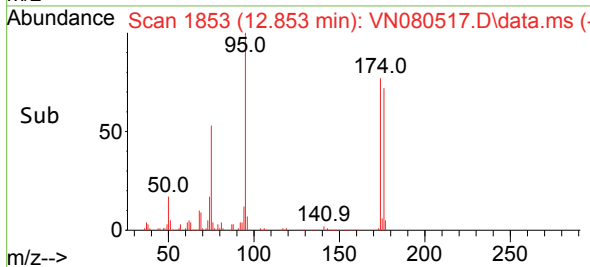
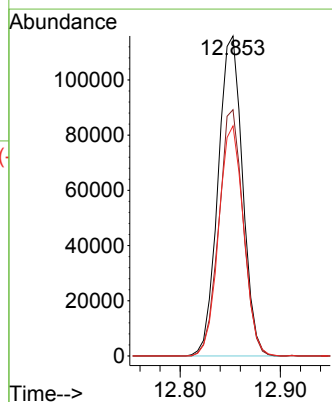
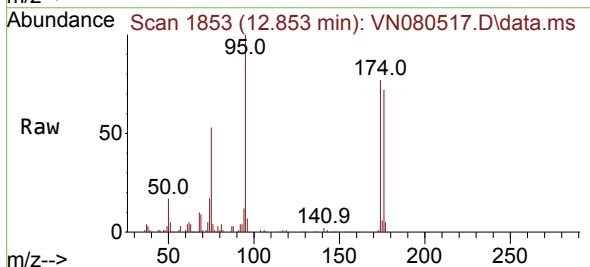
Instrument :
MSVOA_N
ClientSampleId :

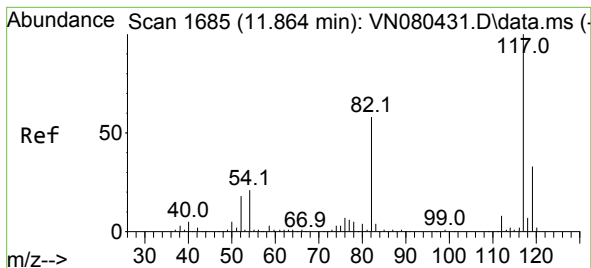
Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
58 218.4 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 54.142 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

Tgt Ion: 95 Resp: 196424
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 73.0 0.0 135.8

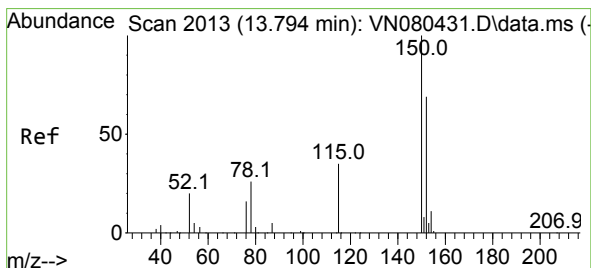
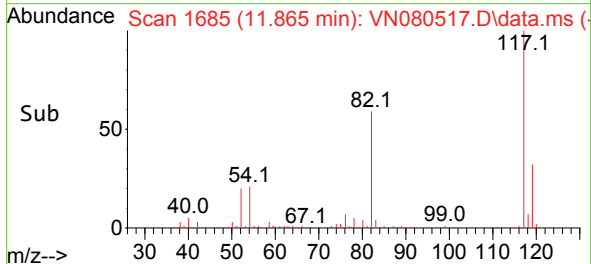
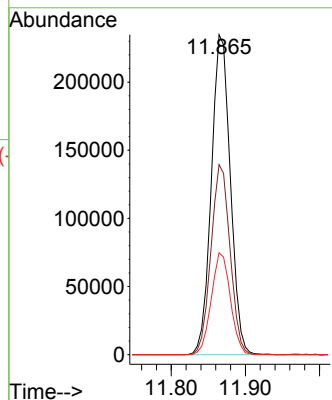
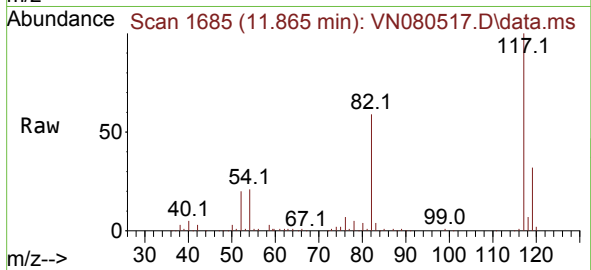




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

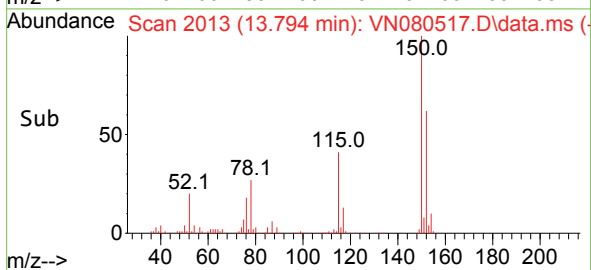
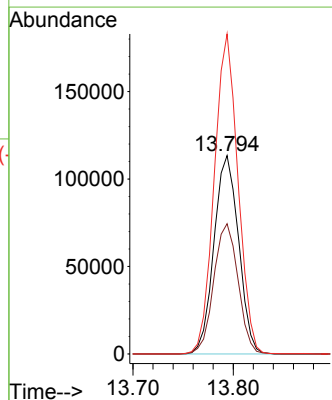
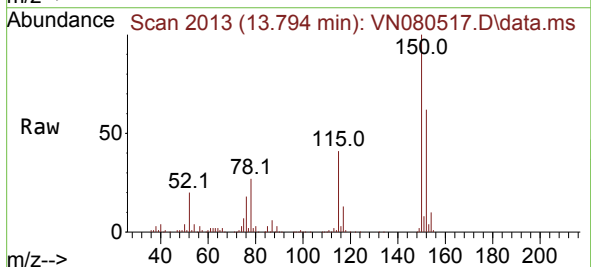
Instrument :
MSVOA_N
ClientSampleId :

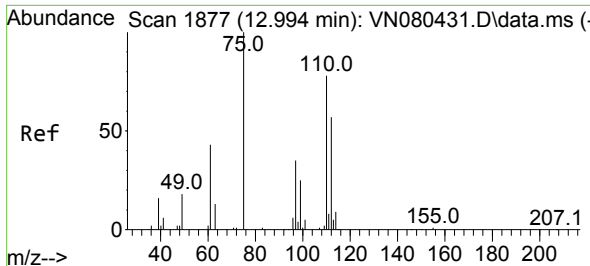
Tgt Ion:117 Resp: 417452
Ion Ratio Lower Upper
117 100
82 59.4 44.0 66.0
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

Tgt Ion:152 Resp: 193059
Ion Ratio Lower Upper
152 100
115 65.1 32.3 96.8
150 155.3 0.0 355.8

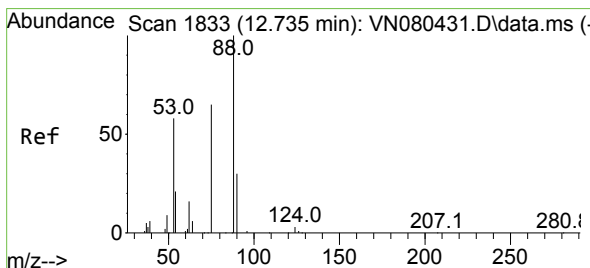
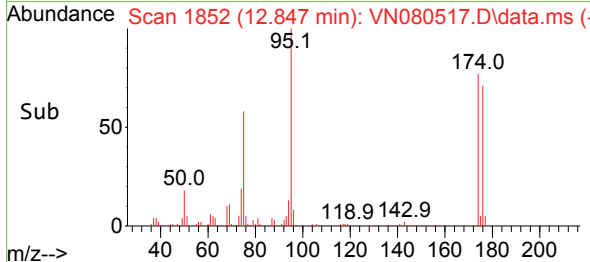
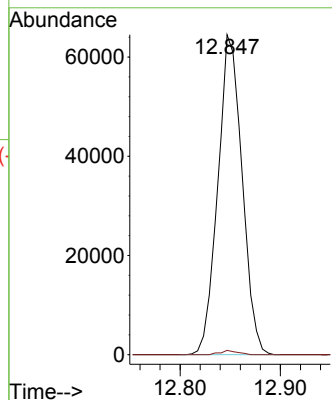
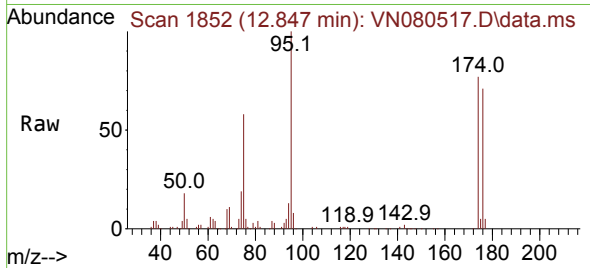




#76
1,2,3-Trichloropropane
Concen: 28.050 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

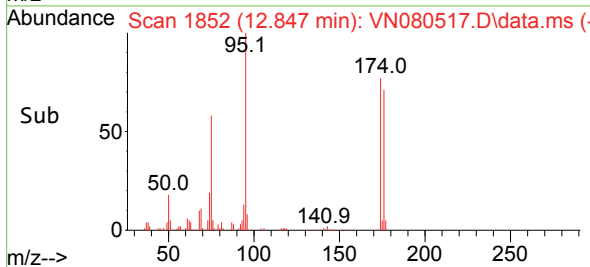
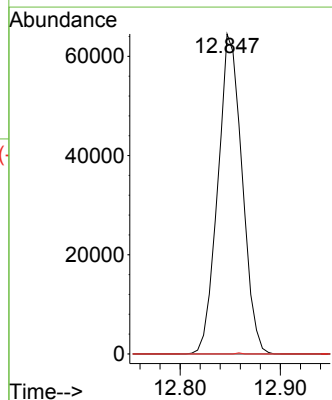
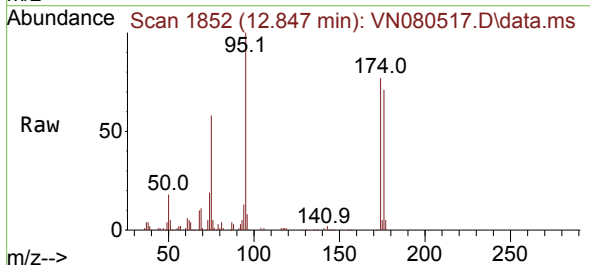
Instrument :
MSVOA_N
ClientSampleId :

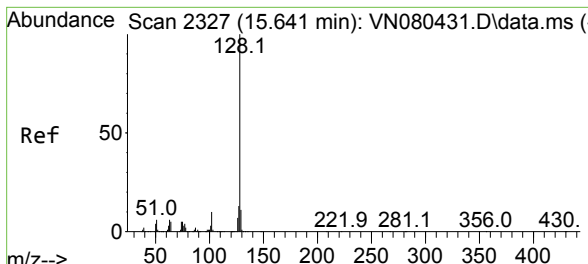
Tgt Ion: 75 Resp: 108033
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.647 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080517.D
Acq: 19 Dec 2023 13:59

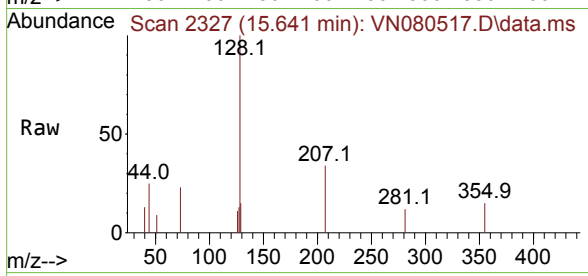
Tgt Ion: 75 Resp: 108033
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#





#95
 Naphthalene
 Concen: 0.284 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080517.D
 Acq: 19 Dec 2023 13:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 3055

Ion	Ratio	Lower	Upper
128	100		
127	7.0	10.0	15.0#
129	6.0	8.7	13.1#

