

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080510.D
 Acq On : 19 Dec 2023 10:58
 Operator : JC\MD
 Sample : VN1219MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 03:57:44 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)

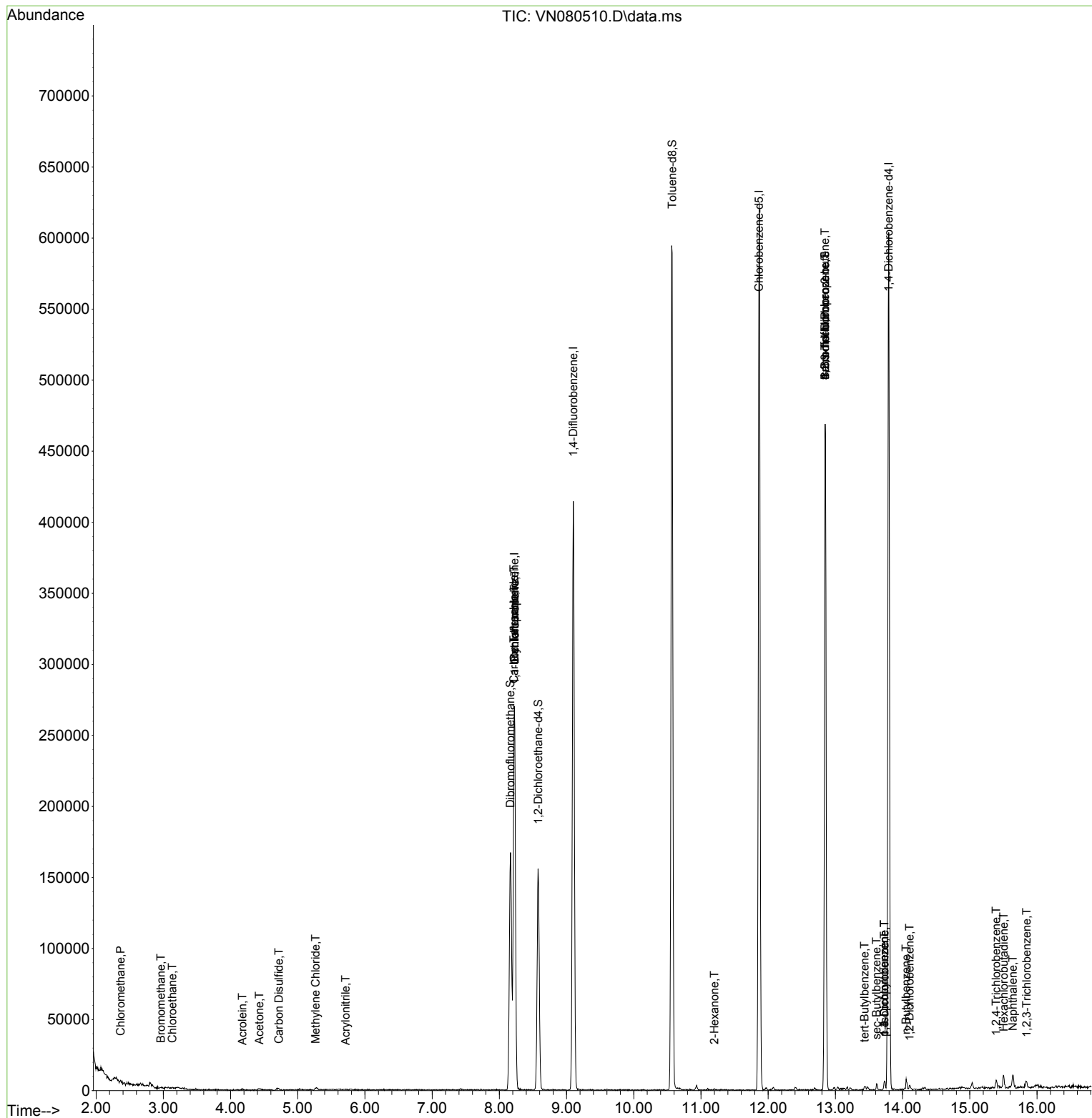
Internal Standards						
1) Pentafluorobenzene	8.224	168	192561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	358629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	367322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137657	55.971	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.940%	
35) Dibromofluoromethane	8.165	113	117184	51.536	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.080%	
50) Toluene-d8	10.571	98	420974	49.641	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.280%	
62) 4-Bromofluorobenzene	12.847	95	172209	53.478	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2317	0.500	ug/l	95
5) Bromomethane	2.965	94	321	0.339	ug/l	91
6) Chloroethane	3.136	64	1152	0.853	ug/l #	43
13) Acrolein	4.177	56	543	1.712	ug/l	85
15) Acrylonitrile	5.712	53	241	0.294	ug/l #	54
16) Acetone	4.430	43	1604	3.678	ug/l	93
17) Carbon Disulfide	4.718	76	2300	0.392	ug/l #	75
20) Methylene Chloride	5.265	84	490	0.210	ug/l #	59
31) Cyclohexane	8.224	56	3867	1.156	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	15632	4.205	ug/l #	51
38) Carbon Tetrachloride	8.218	117	22959	5.168	ug/l #	15
59) 2-Hexanone	11.200	43	445	0.261	ug/l	61
71) Bromoform	12.847	173	529	0.226	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	90914	27.636	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	90914	72.560	ug/l #	15
83) tert-Butylbenzene	13.435	119	2004	0.214	ug/l	86
85) sec-Butylbenzene	13.612	105	2943	0.246	ug/l	97
86) p-Isopropyltoluene	13.729	119	2542	0.236	ug/l	93
87) 1,3-Dichlorobenzene	13.729	146	1419	0.247	ug/l	86
88) 1,4-Dichlorobenzene	13.729	146	1419	0.245	ug/l	87
89) n-Butylbenzene	14.053	91	4368	0.485	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	1435	0.263	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	2024	0.669	ug/l	91
94) Hexachlorobutadiene	15.506	225	1803	1.046	ug/l	85
95) Naphthalene	15.641	128	9375	1.020	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	1936	0.663	ug/l	80

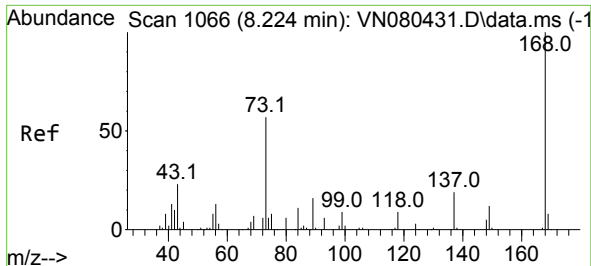
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN080510.D
Acq On : 19 Dec 2023 10:58
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Sample : VN1219MBL01
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

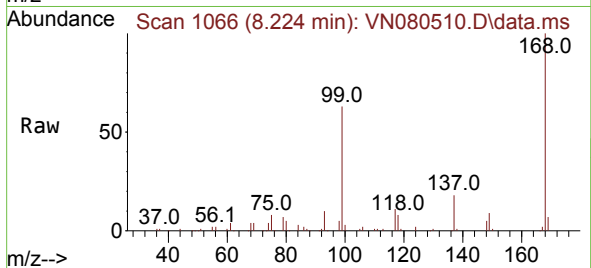
Quant Time: Dec 20 03:57:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
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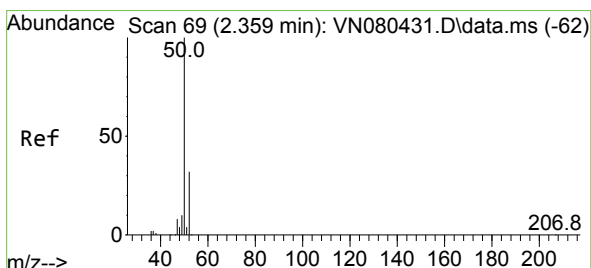
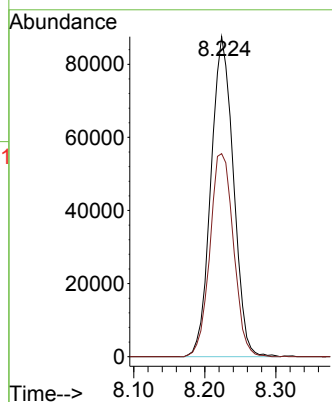
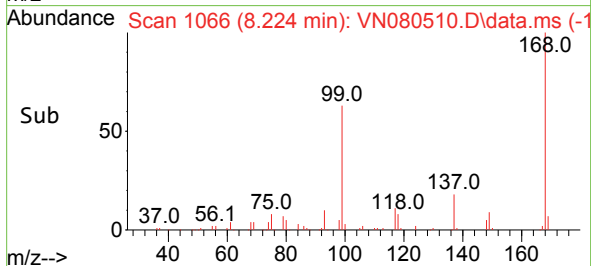


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Instrument :
MSVOA_N
ClientSampleId :

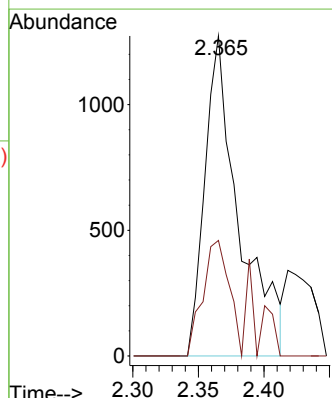
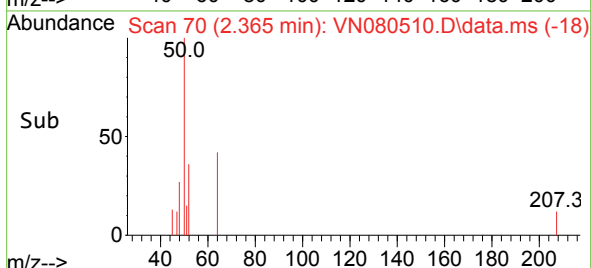
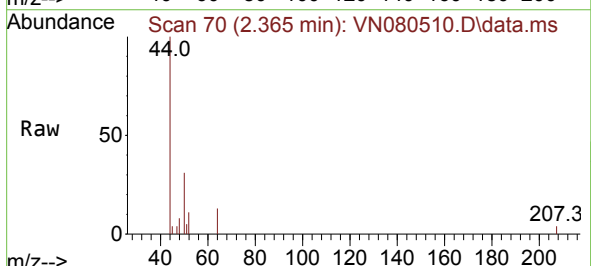


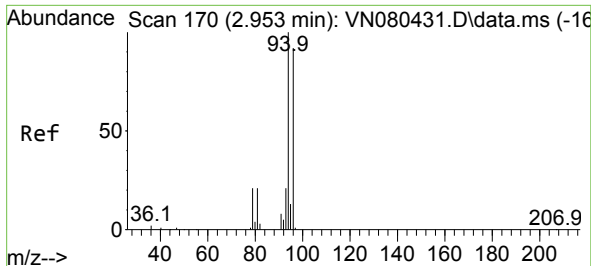
Tgt Ion:168 Resp: 192561
Ion Ratio Lower Upper
168 100
99 63.5 53.0 79.6



#3
Chloromethane
Concen: 0.500 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

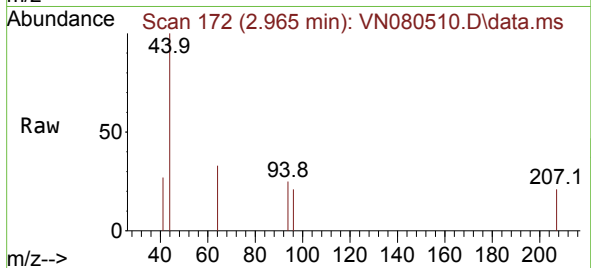
Tgt Ion: 50 Resp: 2317
Ion Ratio Lower Upper
50 100
52 36.1 26.5 39.7



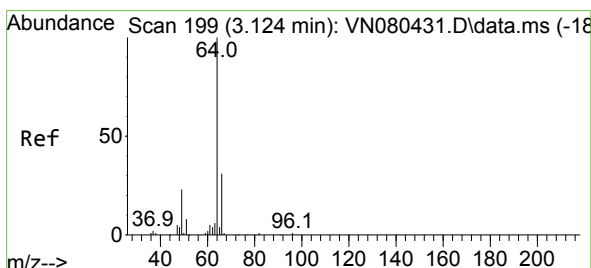
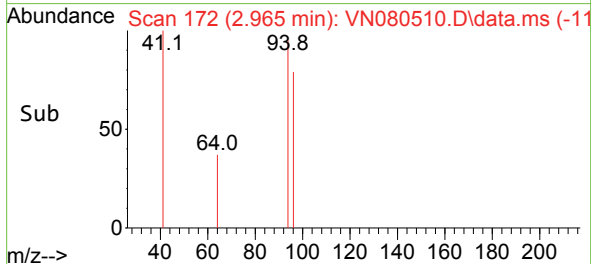
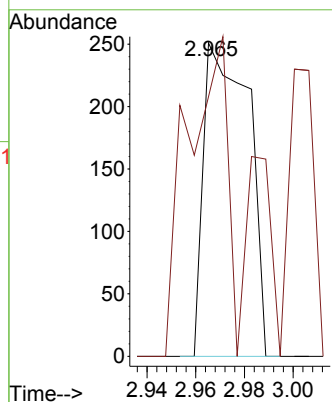


#5
Bromomethane
Concen: 0.339 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Instrument :
MSVOA_N
ClientSampleId :

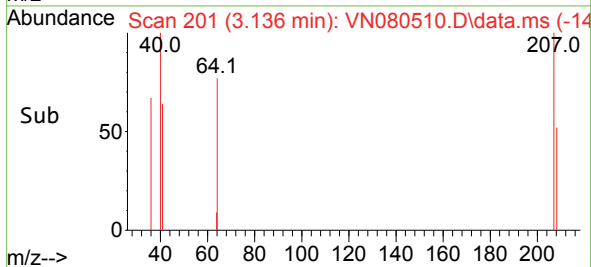
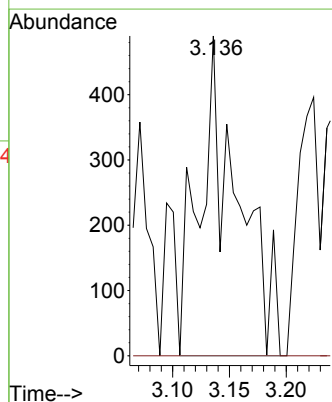
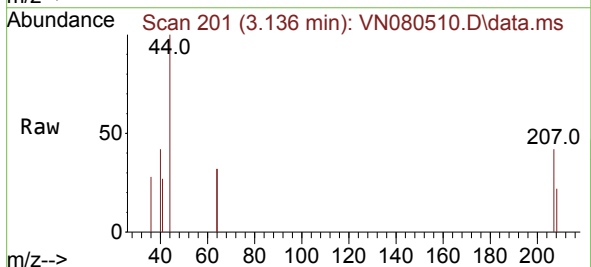


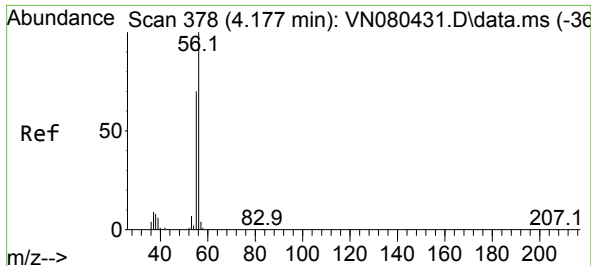
Tgt Ion: 94 Resp: 321
Ion Ratio Lower Upper
94 100
96 82.9 73.1 109.7



#6
Chloroethane
Concen: 0.853 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.012 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Tgt Ion: 64 Resp: 1152
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#13

Acrolein

Concen: 1.712 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN080510.D

Acq: 19 Dec 2023 10:58

Instrument :

MSVOA_N

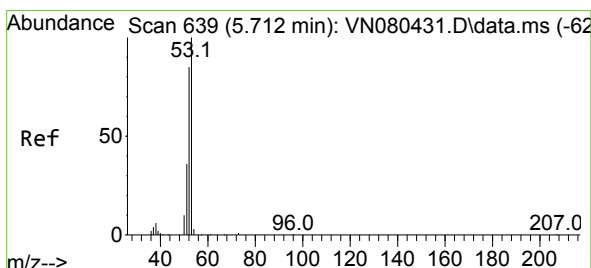
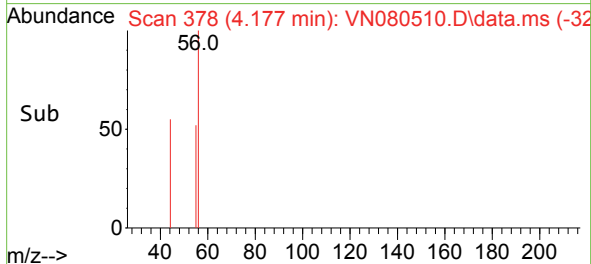
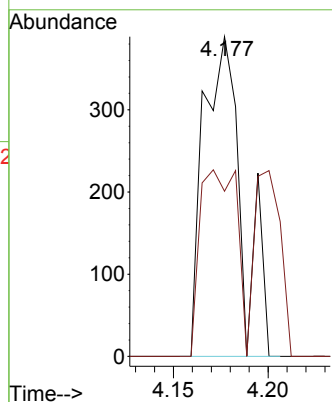
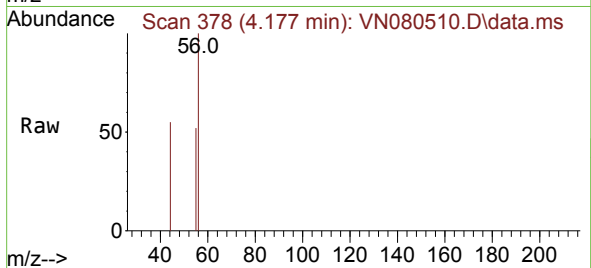
ClientSampleId :

Tgt Ion: 56 Resp: 543

Ion Ratio Lower Upper

56 100

55 56.2 54.5 81.7



#15

Acrylonitrile

Concen: 0.294 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN080510.D

Acq: 19 Dec 2023 10:58

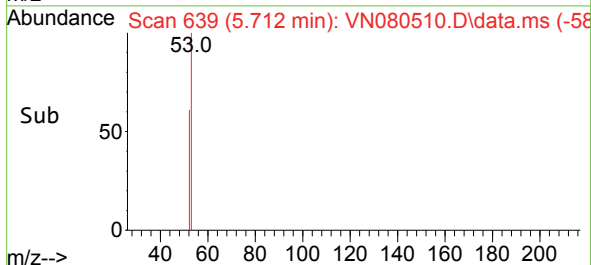
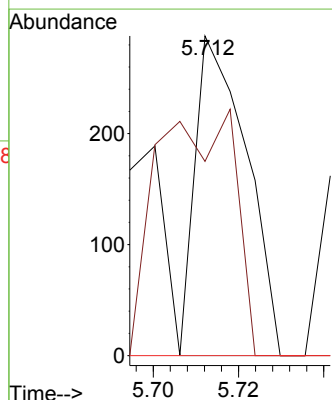
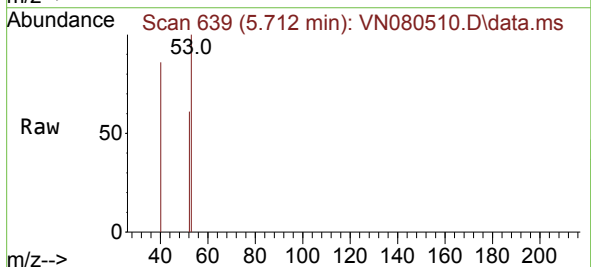
Tgt Ion: 53 Resp: 241

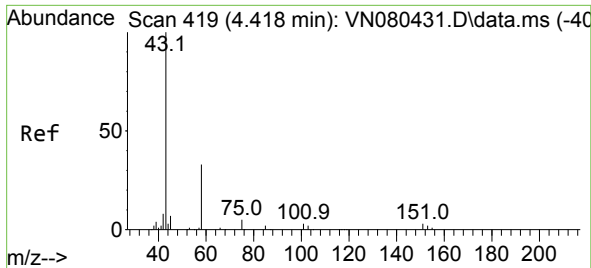
Ion Ratio Lower Upper

53 100

52 117.0 65.3 97.9#

51 0.0 28.9 43.3#

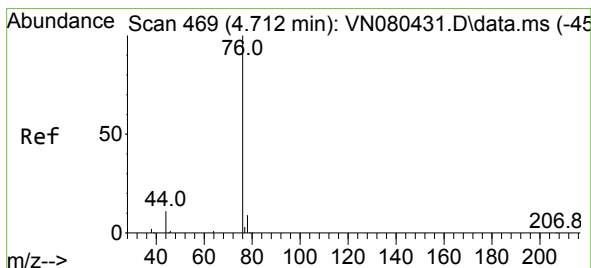
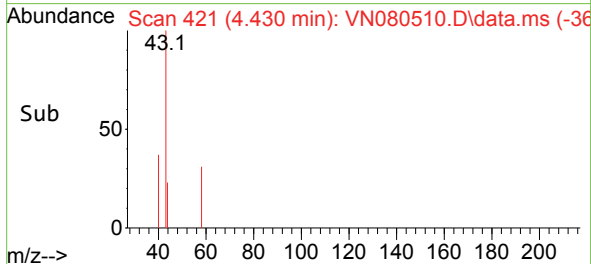
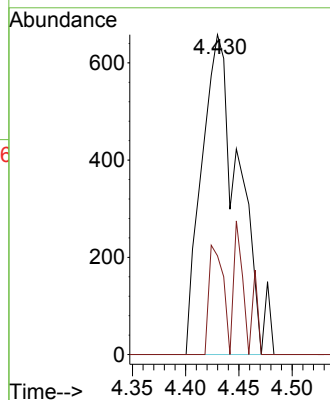
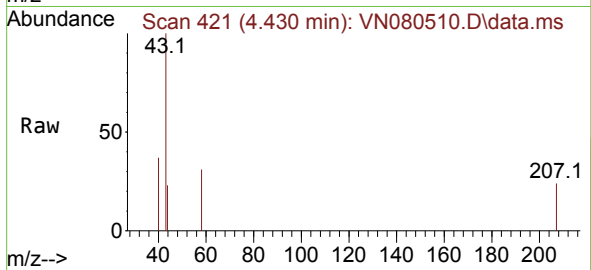




#16
Acetone
Concen: 3.678 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

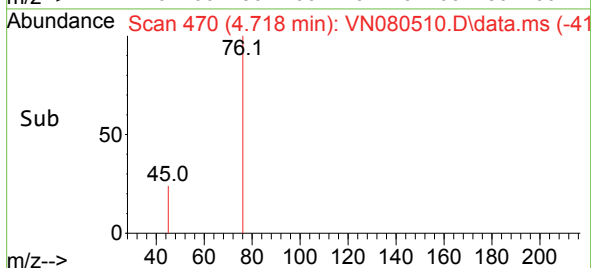
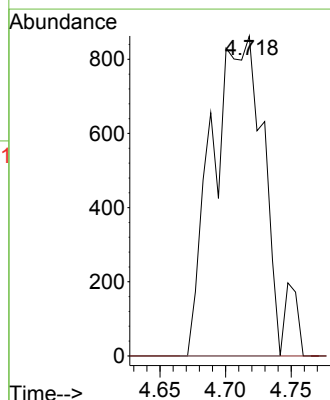
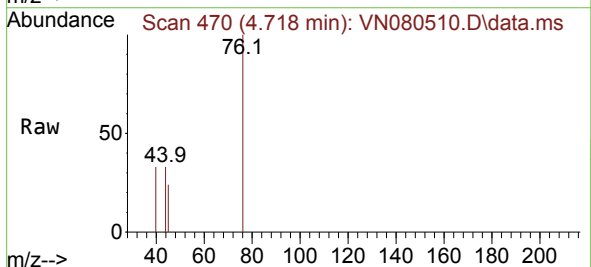
Instrument :
MSVOA_N
ClientSampleId :

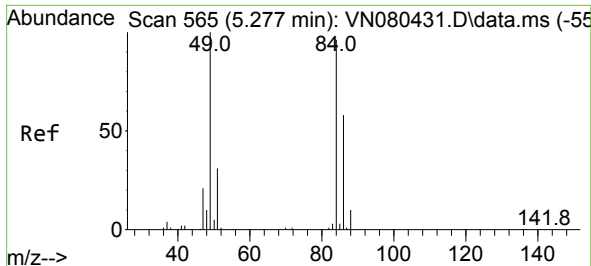
Tgt Ion: 43 Resp: 1604
Ion Ratio Lower Upper
43 100
58 30.9 28.0 42.0



#17
Carbon Disulfide
Concen: 0.392 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

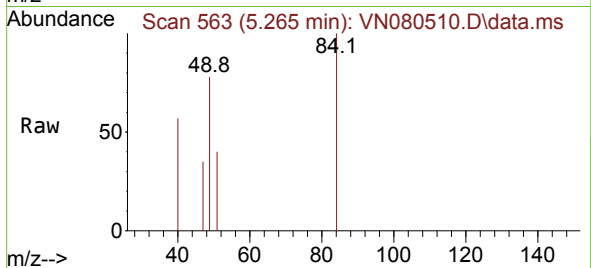
Tgt Ion: 76 Resp: 2300
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





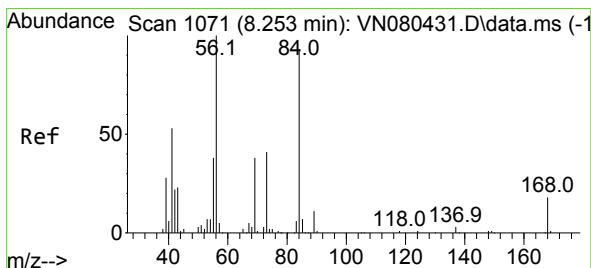
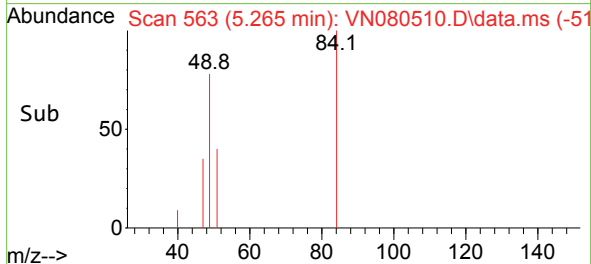
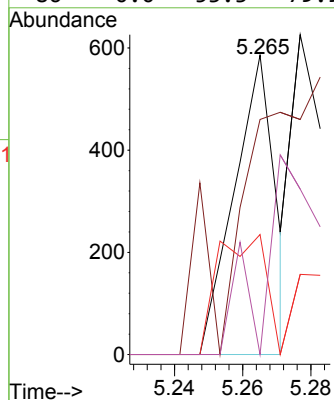
#20
Methylene Chloride
Concen: 0.210 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 490

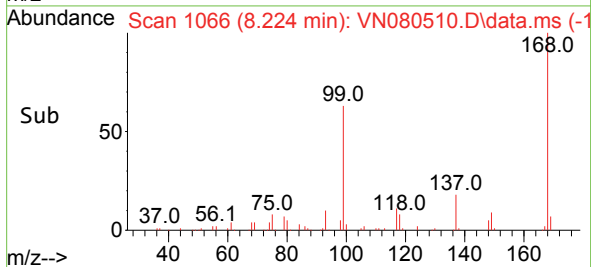
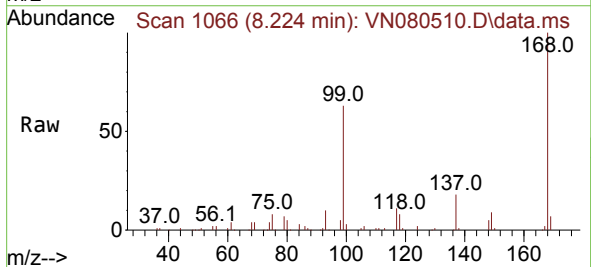
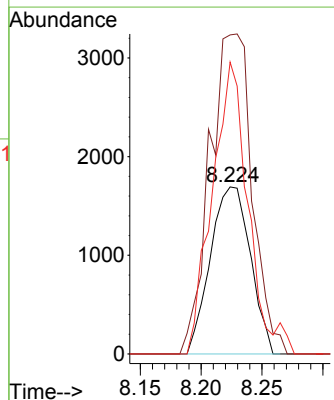
Ion	Ratio	Lower	Upper
84	100		
49	78.5	79.7	119.5#
51	40.1	25.2	37.8#
86	0.0	53.3	79.9#

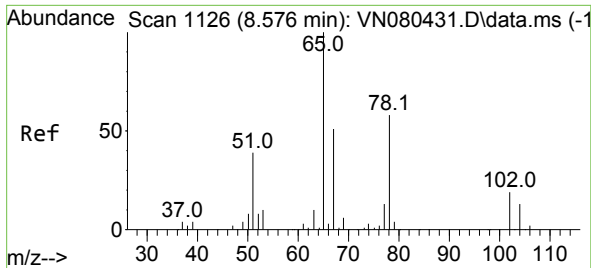


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Tgt Ion: 56 Resp: 3867

Ion	Ratio	Lower	Upper
56	100		
69	191.0	26.8	40.2#
84	174.7	81.8	122.6#

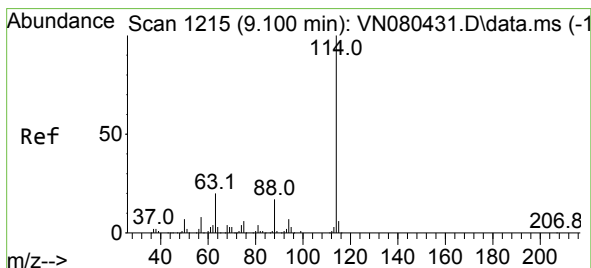
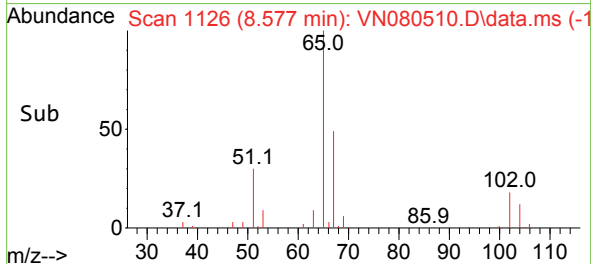
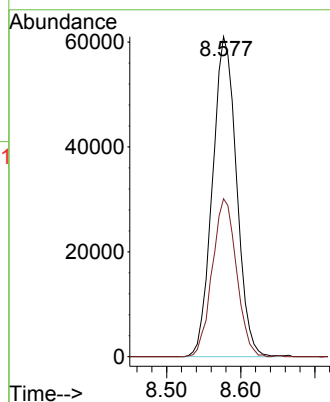
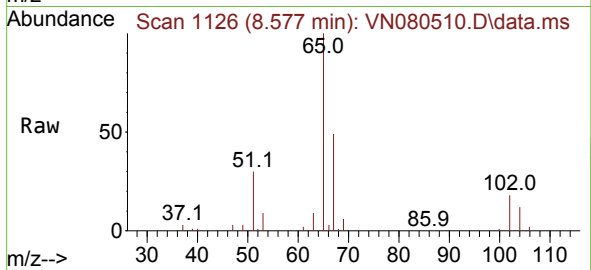




#33
 1,2-Dichloroethane-d4
 Concen: 55.971 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN080510.D
 Acq: 19 Dec 2023 10:58

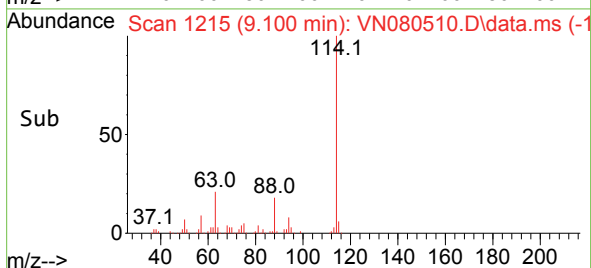
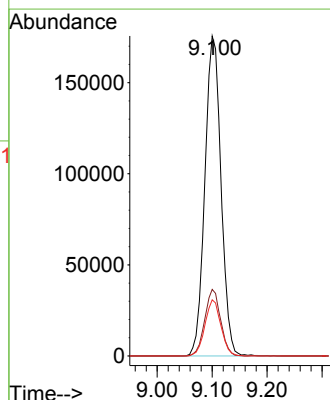
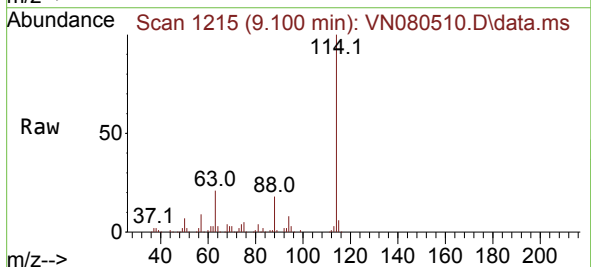
Instrument :
 MSVOA_N
 ClientSampleId :

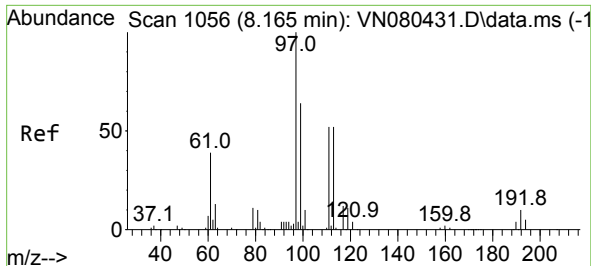
Tgt Ion: 65 Resp: 137657
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN080510.D
 Acq: 19 Dec 2023 10:58

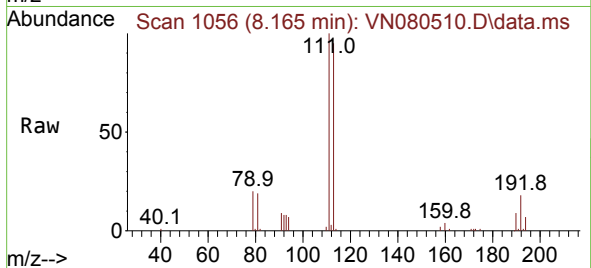
Tgt Ion: 114 Resp: 358629
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 36.4
 88 17.5 0.0 30.6



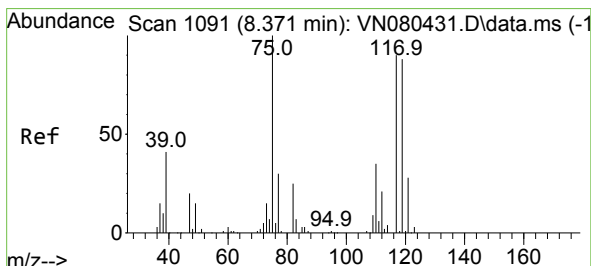
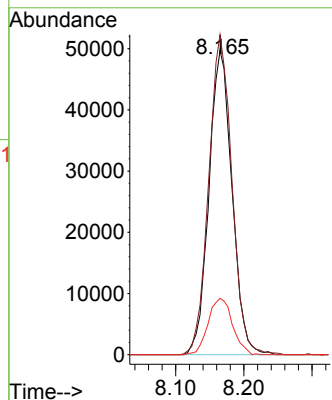
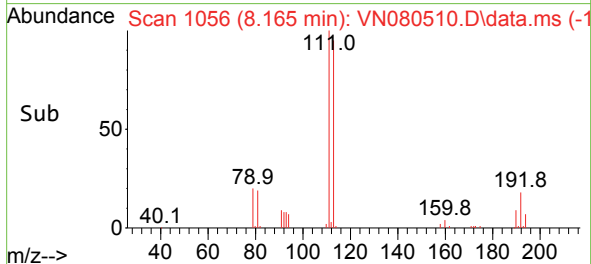


#35
Dibromofluoromethane
Concen: 51.536 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Instrument :
MSVOA_N
ClientSampleId :

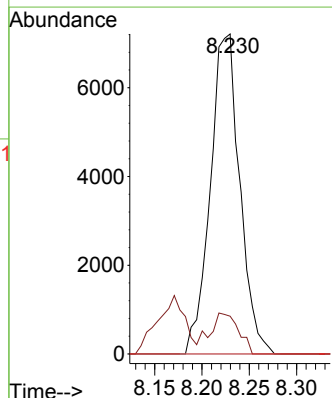
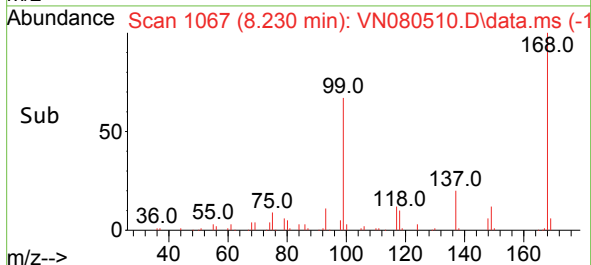
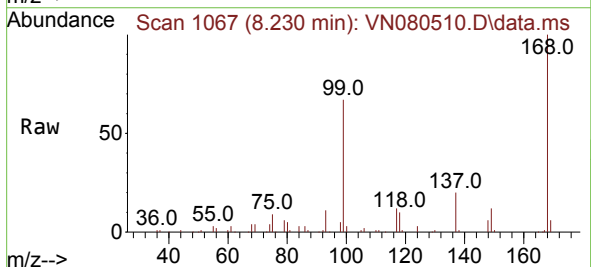


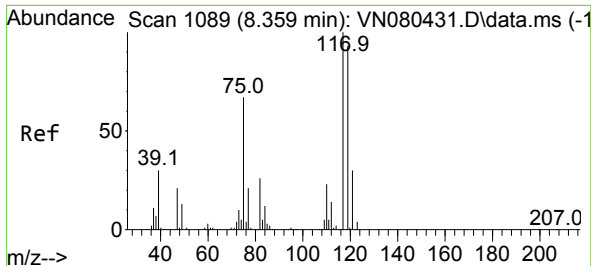
Tgt Ion:113 Resp: 117184
Ion Ratio Lower Upper
113 100
111 105.6 82.6 123.8
192 19.6 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.205 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

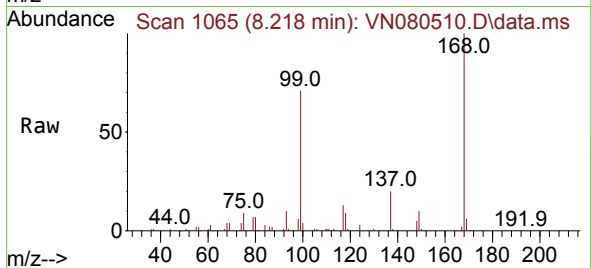
Tgt Ion: 75 Resp: 15632
Ion Ratio Lower Upper
75 100
110 12.4 19.1 57.3#
77 0.0 25.0 37.4#



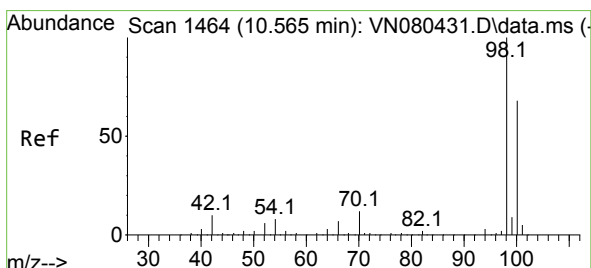
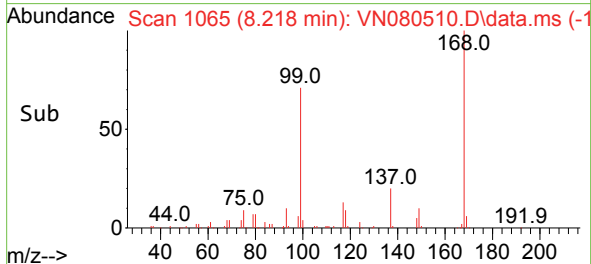
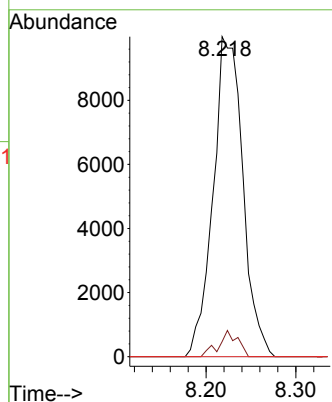


#38
Carbon Tetrachloride
Concen: 5.168 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Instrument :
MSVOA_N
ClientSampleId :

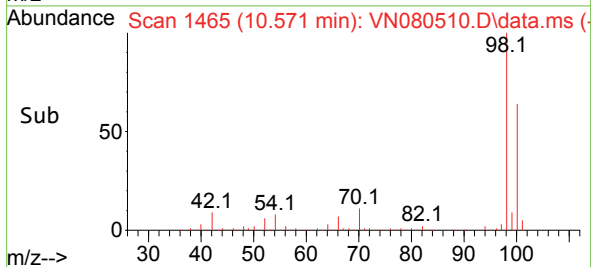
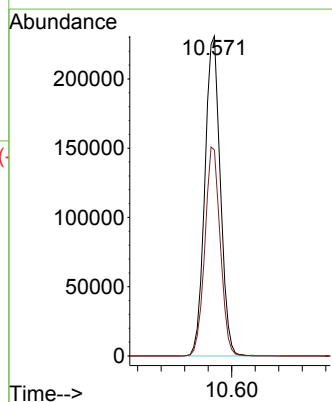
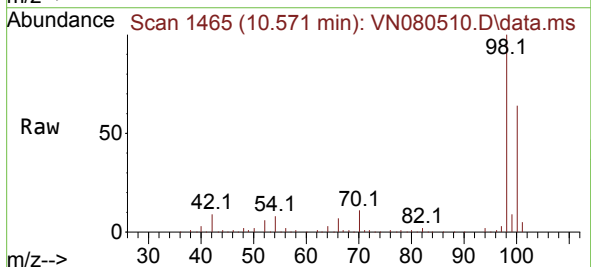


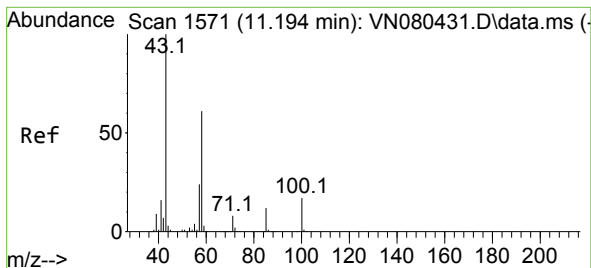
Tgt Ion:117 Resp: 22959
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 49.641 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Tgt Ion: 98 Resp: 420974
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

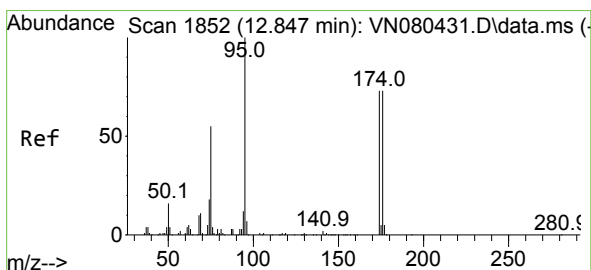
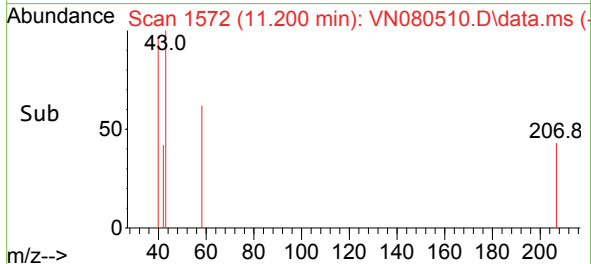
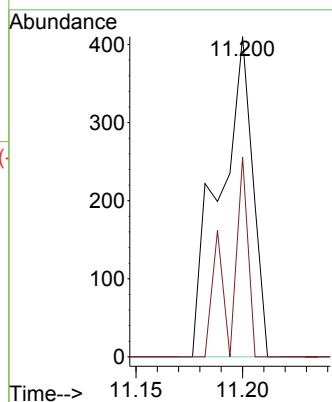
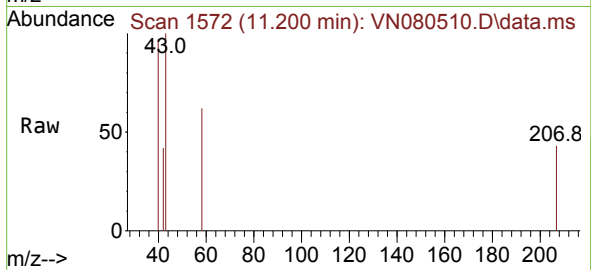




#59
2-Hexanone
Concen: 0.261 ug/l
RT: 11.200 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

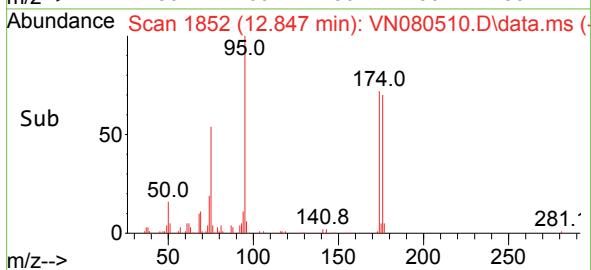
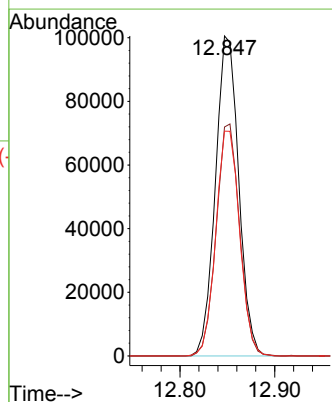
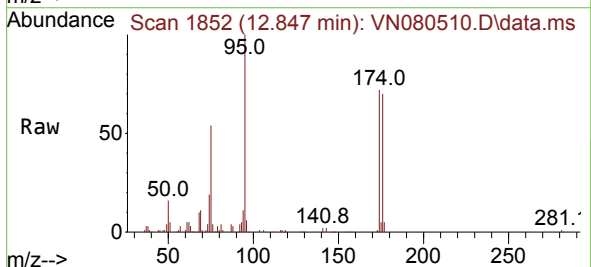
Instrument :
MSVOA_N
ClientSampleId :

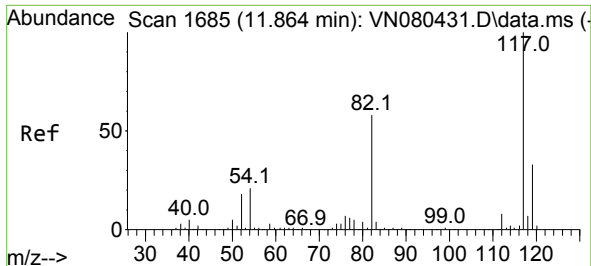
Tgt Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
58 33.0 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 53.478 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

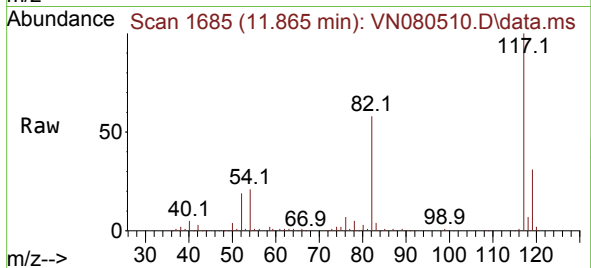
Tgt Ion: 95 Resp: 172209
Ion Ratio Lower Upper
95 100
174 72.6 0.0 143.8
176 71.8 0.0 135.8



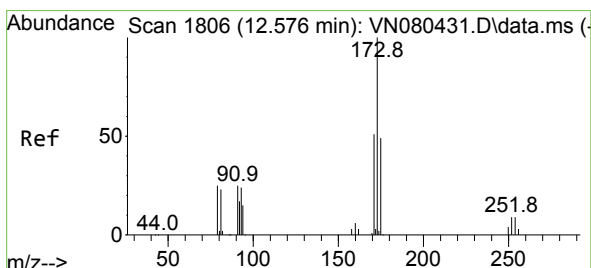
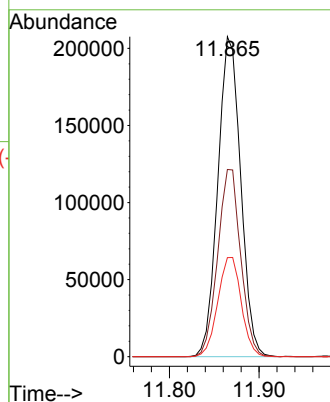
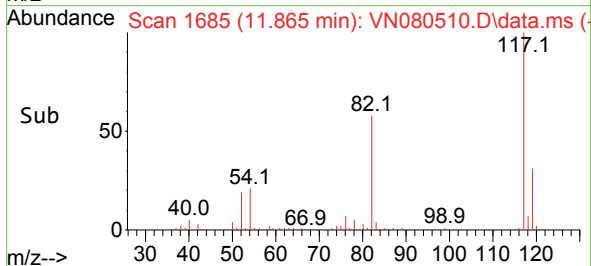


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

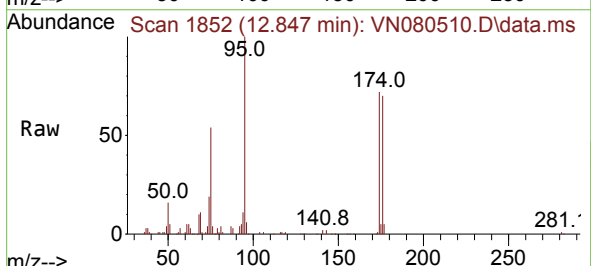
Instrument :
MSVOA_N
ClientSampleId :



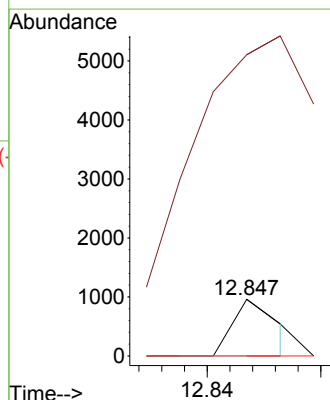
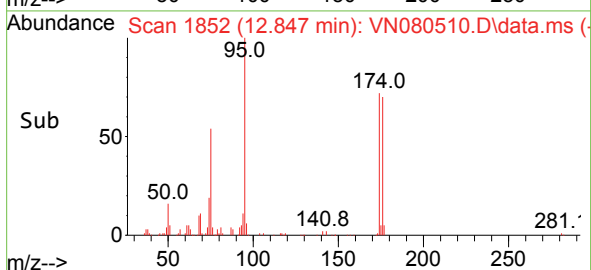
Tgt Ion:117 Resp: 367322
Ion Ratio Lower Upper
117 100
82 58.5 44.0 66.0
119 31.0 25.6 38.4

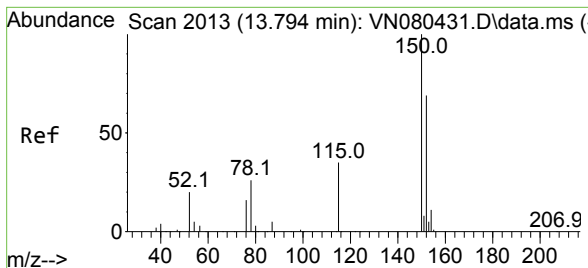


#71
Bromoform
Concen: 0.226 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58



Tgt Ion:173 Resp: 529
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

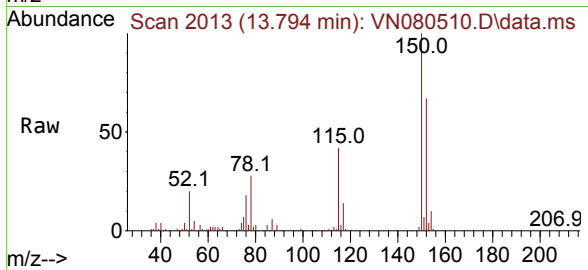
Lab File: VN080510.D

Acq: 19 Dec 2023 10:58

Instrument :

MSVOA_N

ClientSampleId :



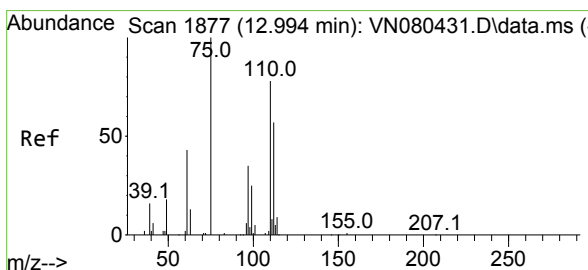
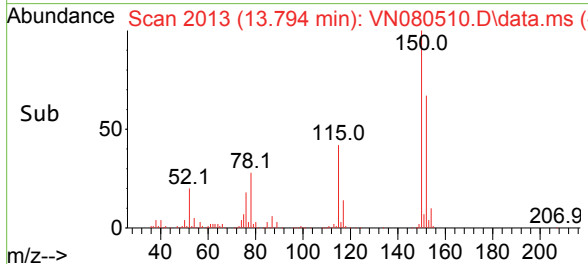
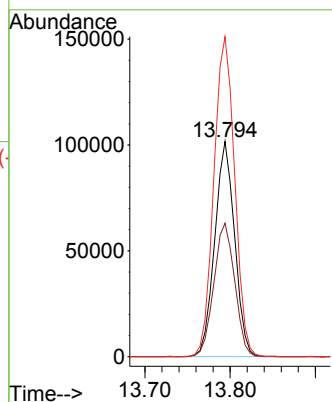
Tgt Ion:152 Resp: 164901

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: 27.636 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080510.D

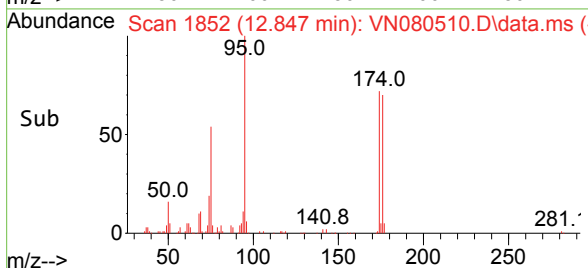
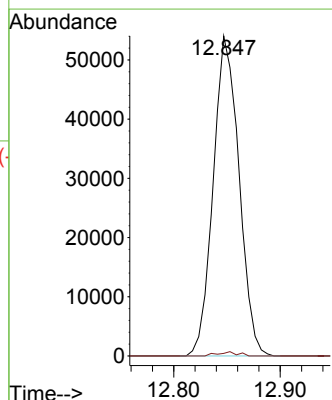
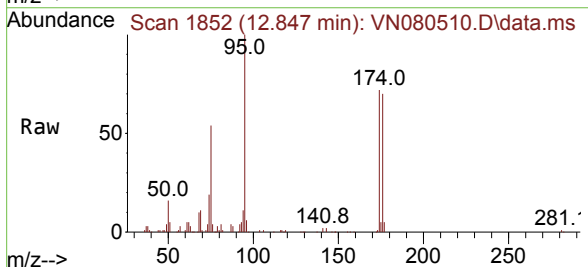
Acq: 19 Dec 2023 10:58

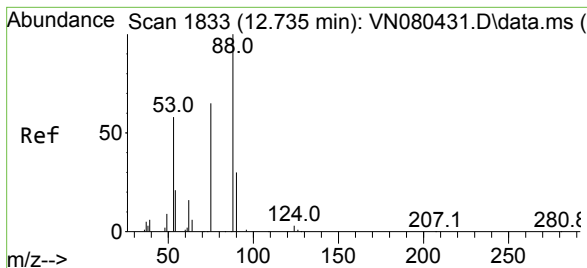
Tgt Ion: 75 Resp: 90914

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

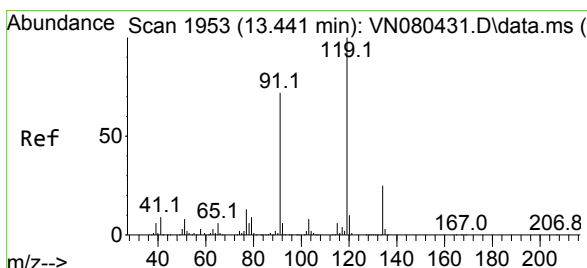
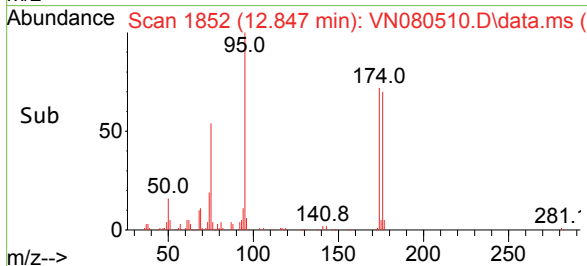
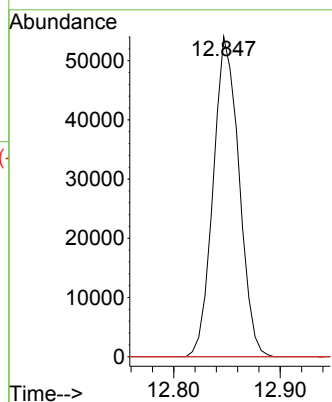
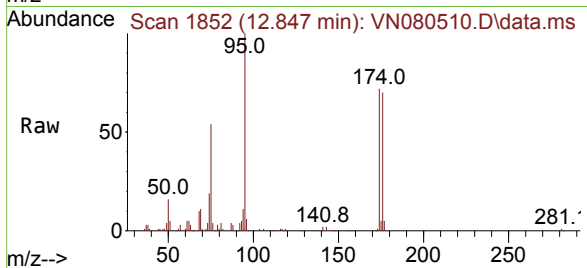




#81
trans-1,4-Dichloro-2-butene
Concen: 72.560 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

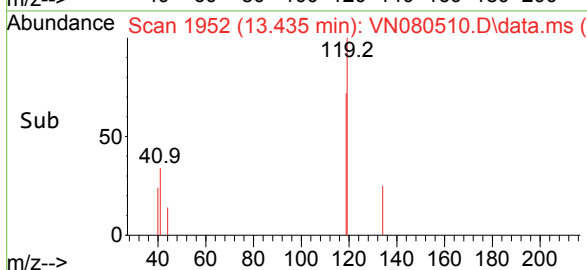
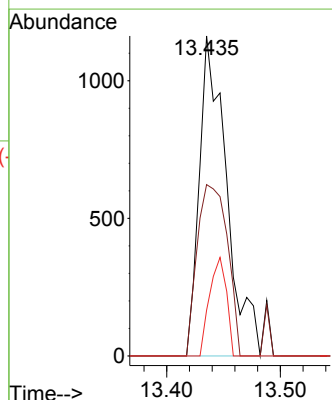
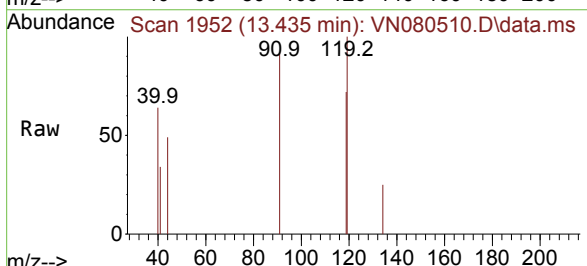
Instrument :
MSVOA_N
ClientSampleId :

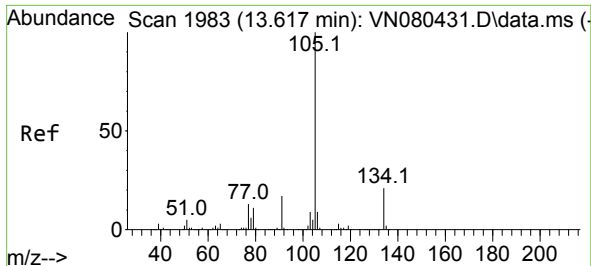
Tgt Ion: 75 Resp: 90914
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#83
tert-Butylbenzene
Concen: 0.214 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.006 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Tgt Ion: 119 Resp: 2004
Ion Ratio Lower Upper
119 100
91 57.5 33.9 101.7
134 18.5 13.2 39.6

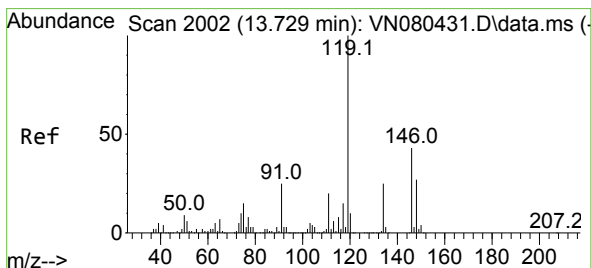
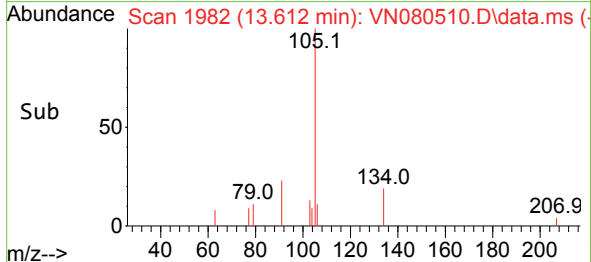
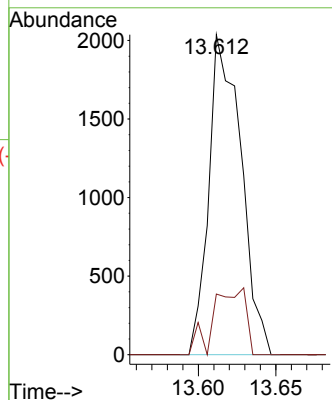
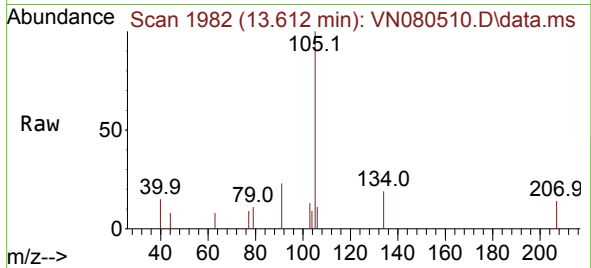




#85
 sec-Butylbenzene
 Concen: 0.246 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VN080510.D
 Acq: 19 Dec 2023 10:58

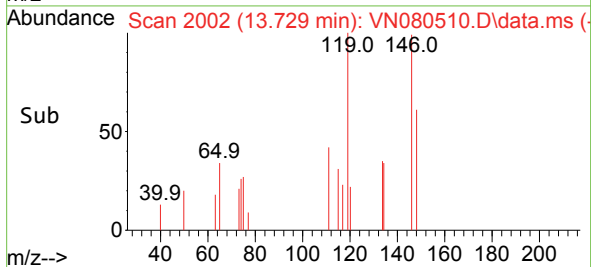
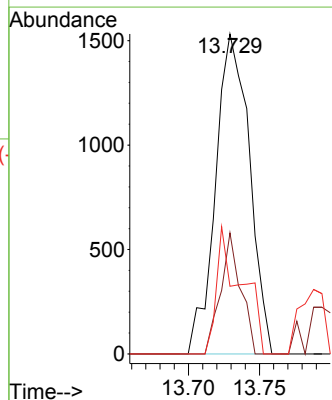
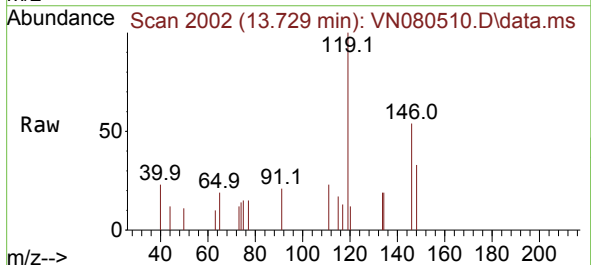
Instrument :
 MSVOA_N
 ClientSampleId :

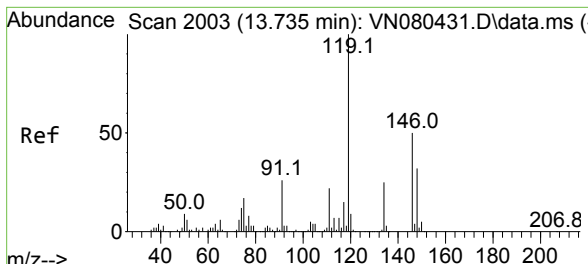
Tgt Ion:105 Resp: 2943
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.236 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080510.D
 Acq: 19 Dec 2023 10:58

Tgt Ion:119 Resp: 2542
 Ion Ratio Lower Upper
 119 100
 134 22.6 12.6 37.8
 91 29.0 12.4 37.2

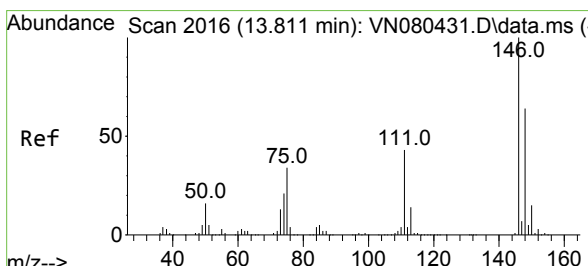
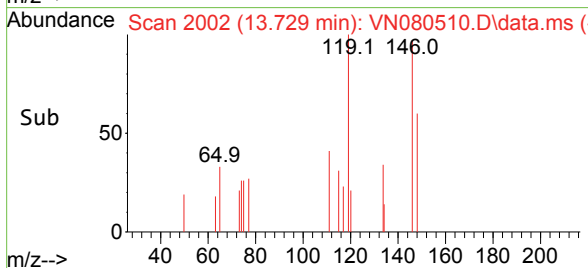
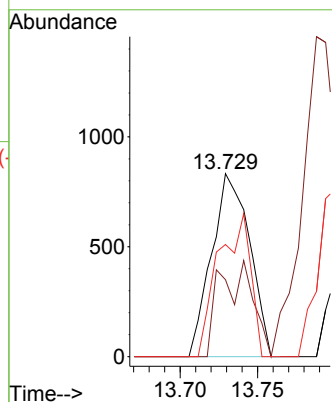
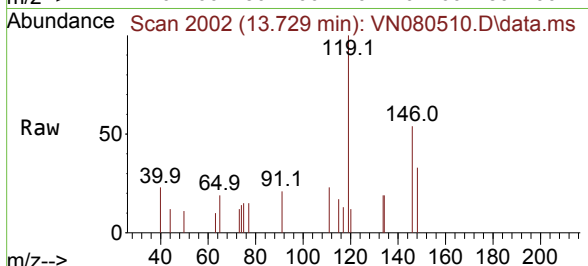




#87
 1,3-Dichlorobenzene
 Concen: 0.247 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN080510.D
 Acq: 19 Dec 2023 10:58

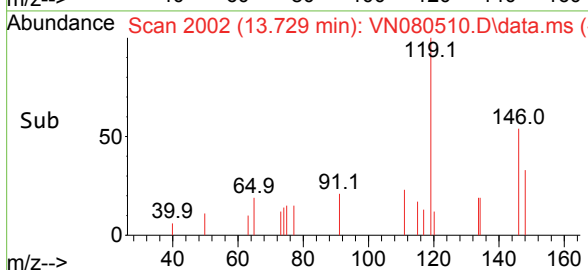
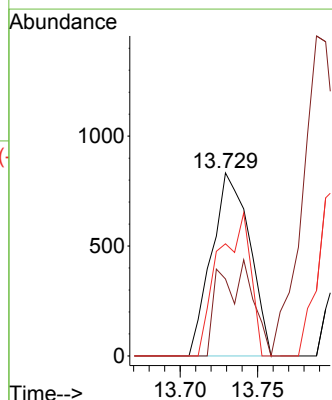
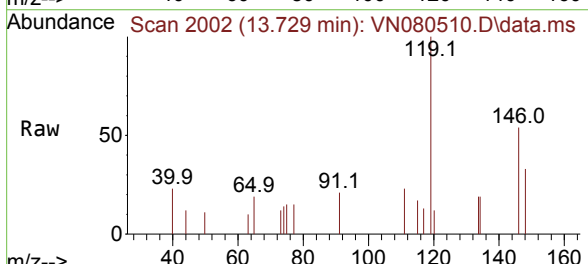
Instrument :
 MSVOA_N
 ClientSampleId :

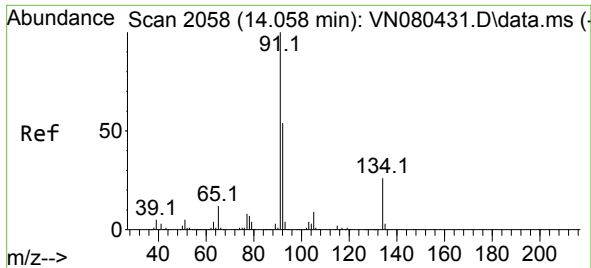
Tgt Ion:146 Resp: 1419
 Ion Ratio Lower Upper
 146 100
 111 24.4 22.1 66.3
 148 66.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 0.245 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.082 min
 Lab File: VN080510.D
 Acq: 19 Dec 2023 10:58

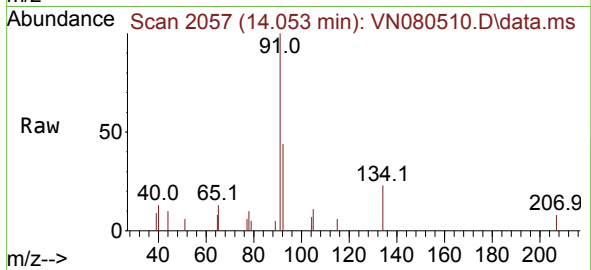
Tgt Ion:146 Resp: 1419
 Ion Ratio Lower Upper
 146 100
 111 24.4 20.6 61.8
 148 66.2 31.6 94.8



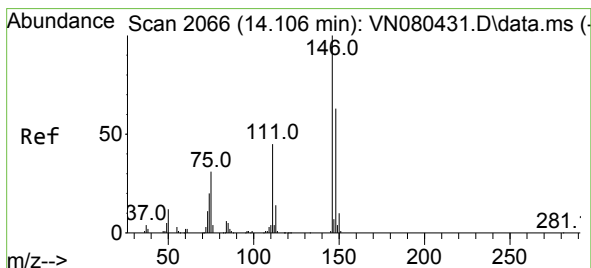
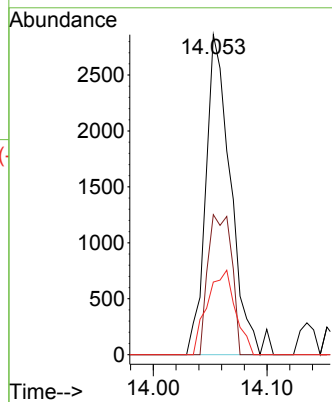
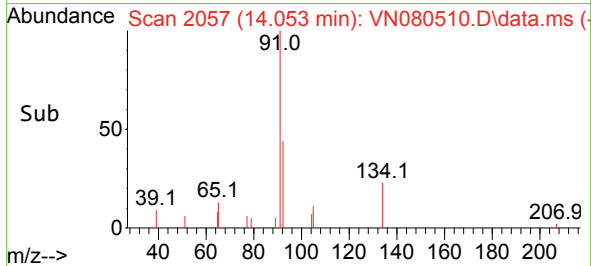


#89
n-Butylbenzene
Concen: 0.485 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Instrument :
MSVOA_N
ClientSampleId :

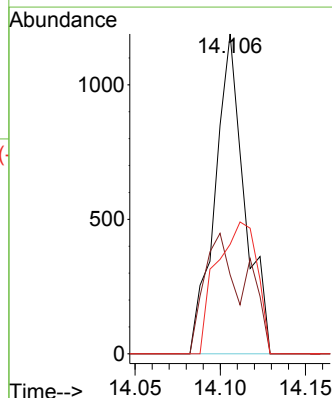
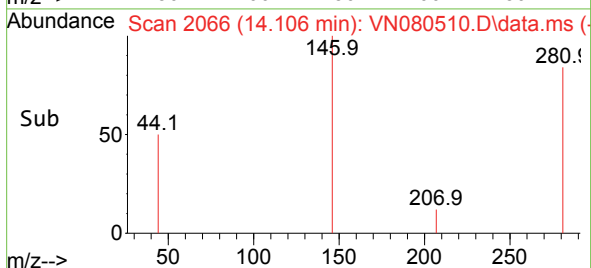
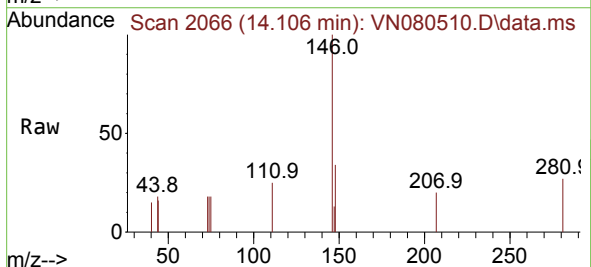


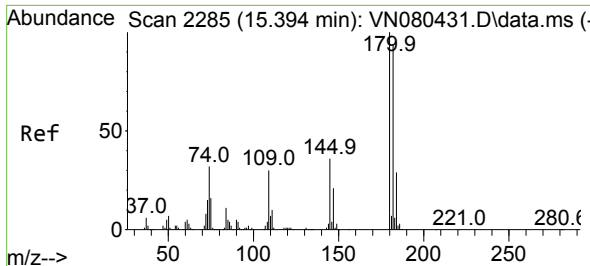
Tgt Ion: 91 Resp: 4368
Ion Ratio Lower Upper
91 100
92 41.5 26.4 79.0
134 29.7 12.6 37.6



#91
1,2-Dichlorobenzene
Concen: 0.263 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

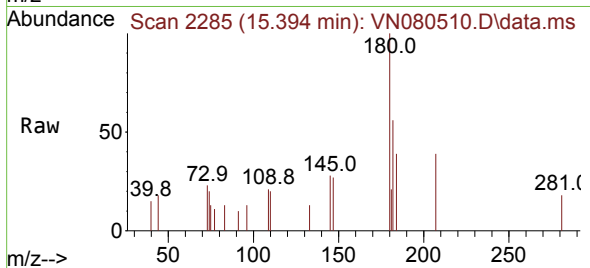
Tgt Ion:146 Resp: 1435
Ion Ratio Lower Upper
146 100
111 51.3 22.0 66.0
148 56.7 31.8 95.3



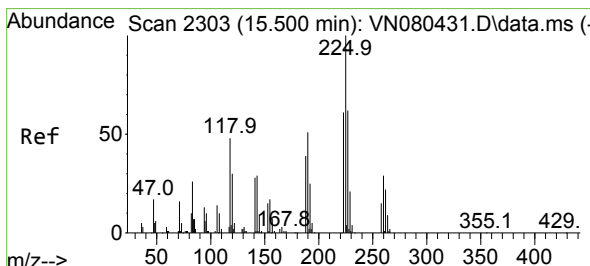
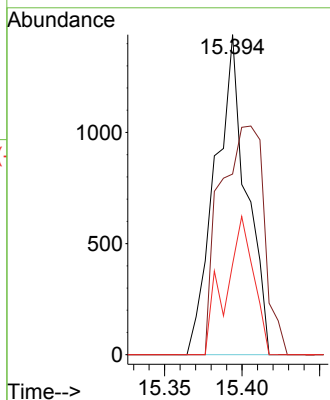
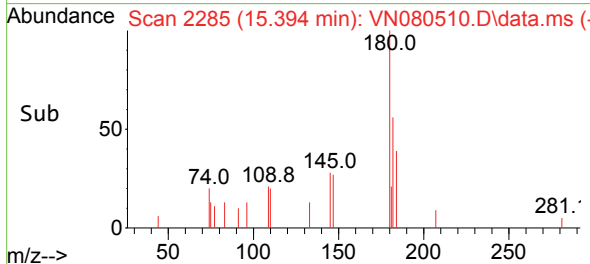


#93
1,2,4-Trichlorobenzene
Concen: 0.669 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Instrument :
MSVOA_N
ClientSampleId :

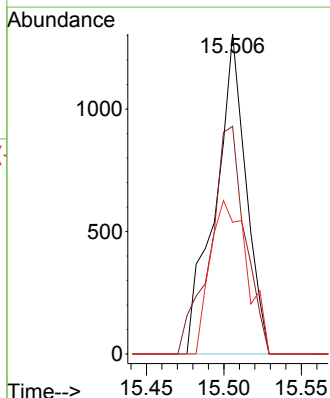
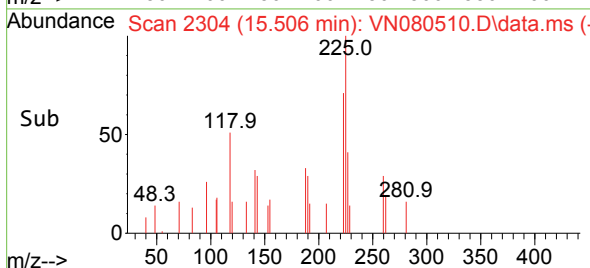
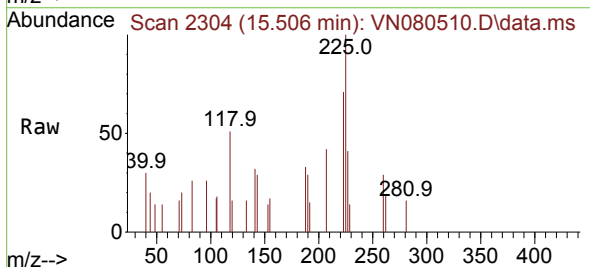


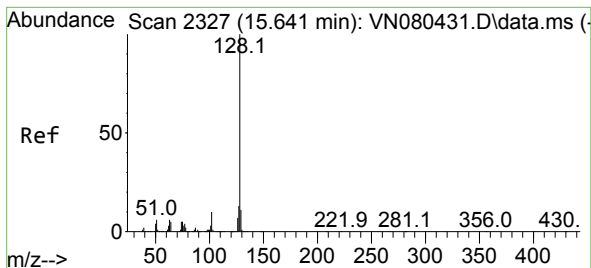
Tgt Ion:180 Resp: 2024
Ion Ratio Lower Upper
180 100
182 100.2 46.1 138.2
145 38.9 16.6 49.8



#94
Hexachlorobutadiene
Concen: 1.046 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN080510.D
Acq: 19 Dec 2023 10:58

Tgt Ion:225 Resp: 1803
Ion Ratio Lower Upper
225 100
223 80.2 31.3 93.8
227 57.6 31.9 95.9





#95

Naphthalene

Concen: 1.020 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN080510.D

Acq: 19 Dec 2023 10:58

Instrument :

MSVOA_N

ClientSampleId :

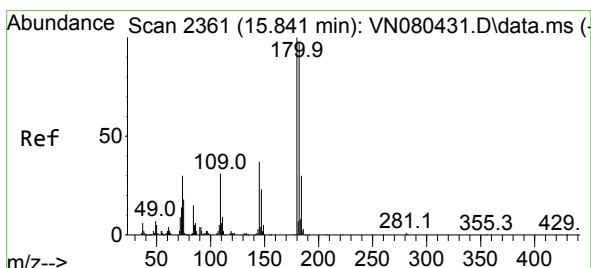
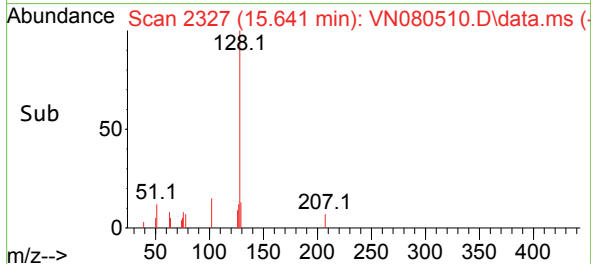
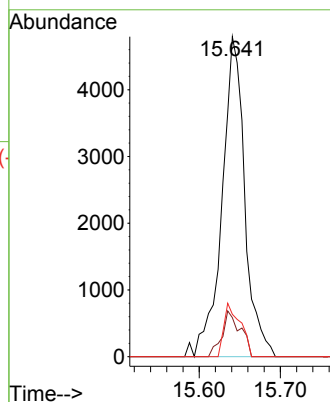
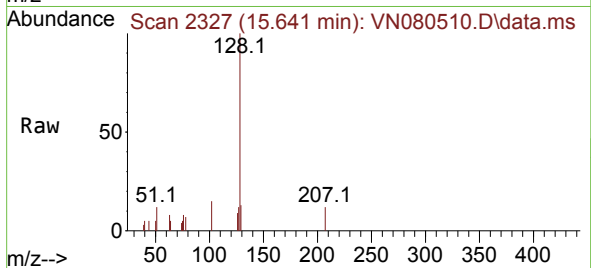
Tgt Ion:128 Resp: 9375

Ion Ratio Lower Upper

128 100

127 11.5 10.0 15.0

129 12.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.663 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN080510.D

Acq: 19 Dec 2023 10:58

Tgt Ion:180 Resp: 1936

Ion Ratio Lower Upper

180 100

182 113.6 46.2 138.6

145 43.6 17.5 52.6

