

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121523\
 Data File : VN080496.D
 Acq On : 15 Dec 2023 10:27
 Operator : JC\MD
 Sample : VN1215MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 02:49:35 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	226693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	407169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	418088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	189274	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142731	49.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.600%
35) Dibromofluoromethane	8.159	113	121172	46.937	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.880%
50) Toluene-d8	10.565	98	418917	43.510	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.020%
62) 4-Bromofluorobenzene	12.847	95	170458	46.624	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.240%

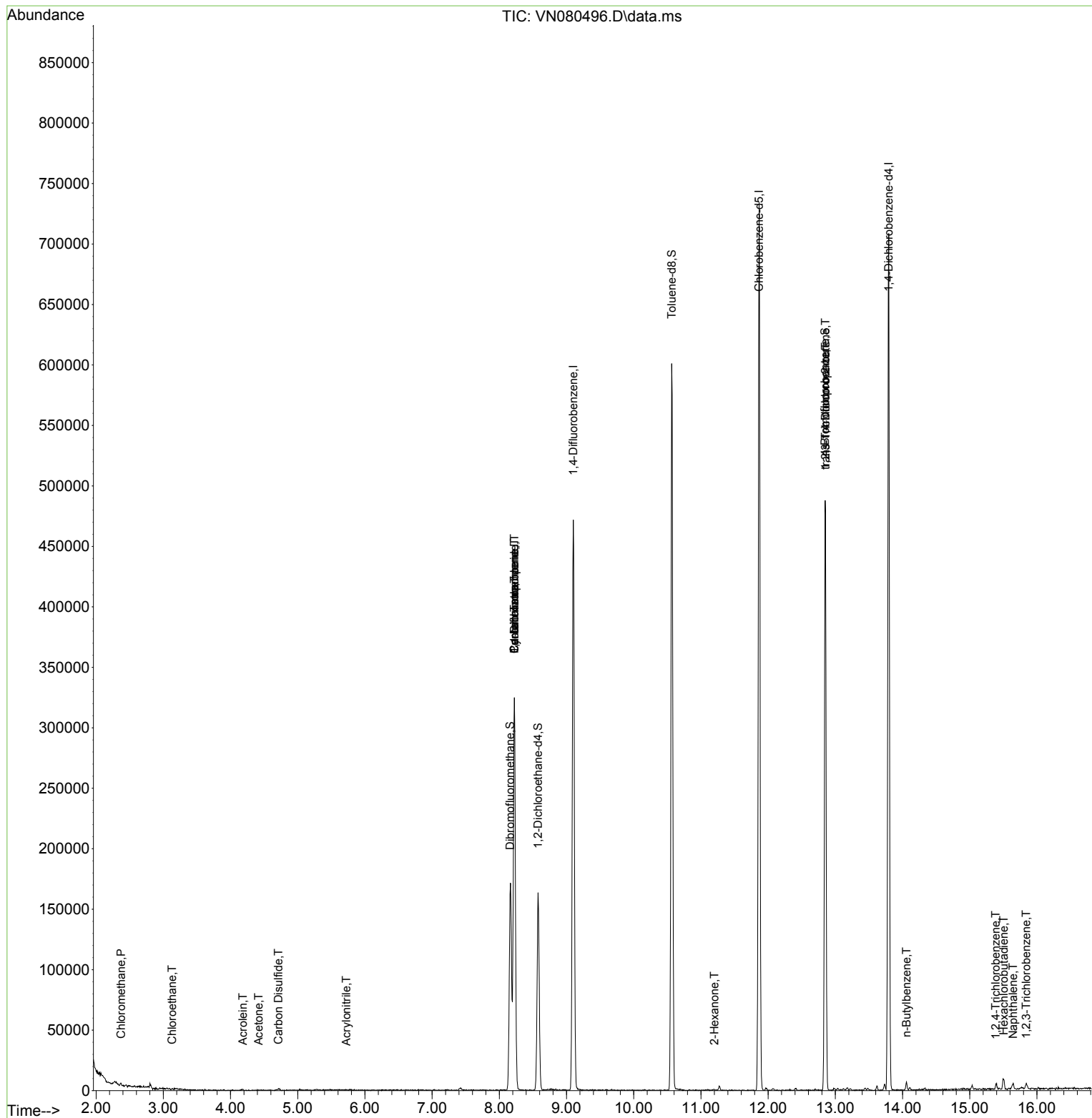
Target Compounds				Qvalue		
3) Chloromethane	2.371	50	2183	0.318	ug/l	99
6) Chloroethane	3.130	64	431	0.271	ug/l #	43
13) Acrolein	4.183	56	756	2.024	ug/l #	77
15) Acrylonitrile	5.724	53	252	0.262	ug/l #	40
16) Acetone	4.418	43	128	0.249	ug/l #	40
17) Carbon Disulfide	4.712	76	2598	0.376	ug/l #	36
31) Cyclohexane	8.224	56	4866	1.236	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	18544	4.393	ug/l #	49
38) Carbon Tetrachloride	8.224	117	25635	5.083	ug/l #	16
59) 2-Hexanone	11.200	43	505	0.261	ug/l	69
76) 1,2,3-Trichloropropane	12.853	75	94770	25.098	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	94770	65.898	ug/l #	15
89) n-Butylbenzene	14.059	91	3963	0.383	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	1984	0.571	ug/l	96
94) Hexachlorobutadiene	15.506	225	2078	1.051	ug/l	93
95) Naphthalene	15.647	128	4661	0.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	1837	0.548	ug/l #	85

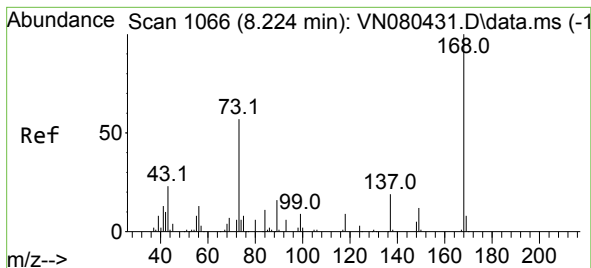
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN080496.D

Acq: 15 Dec 2023 10:27

Instrument :

MSVOA_N

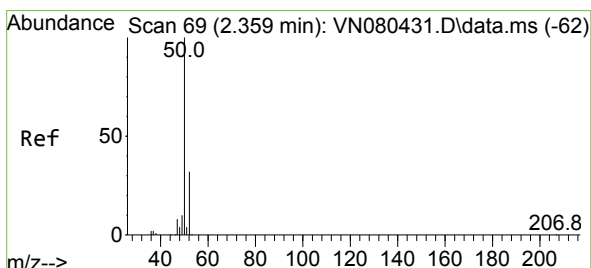
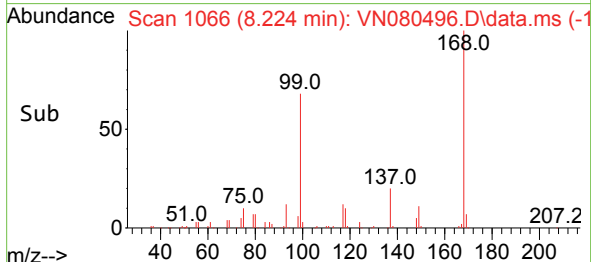
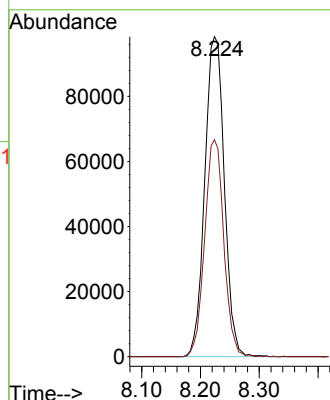
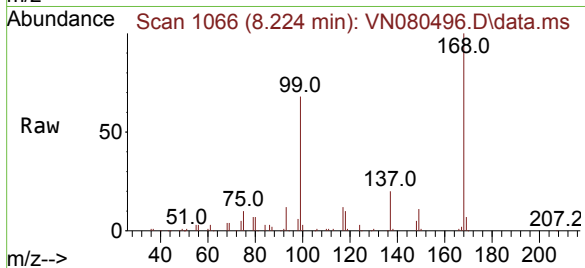
ClientSampleId :

Tgt Ion:168 Resp: 226693

Ion Ratio Lower Upper

168 100

99 67.8 53.0 79.6



#3

Chloromethane

Concen: 0.318 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080496.D

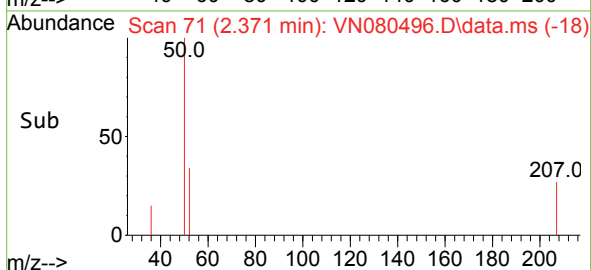
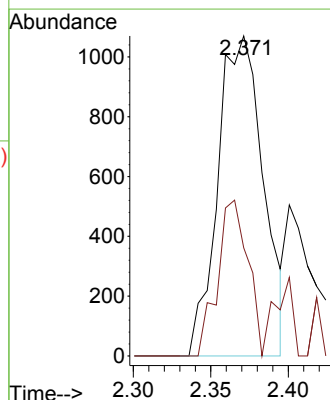
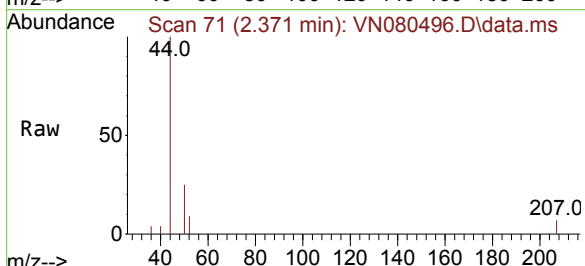
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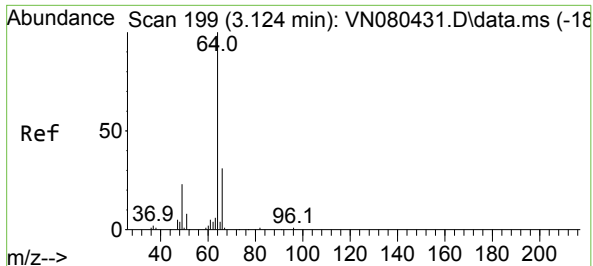
Tgt Ion: 50 Resp: 2183

Ion Ratio Lower Upper

50 100

52 33.8 26.5 39.7

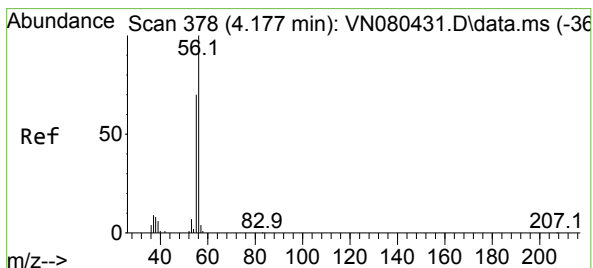
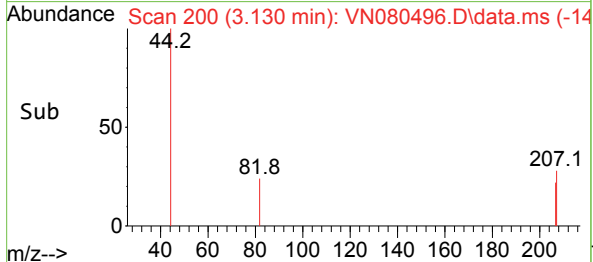
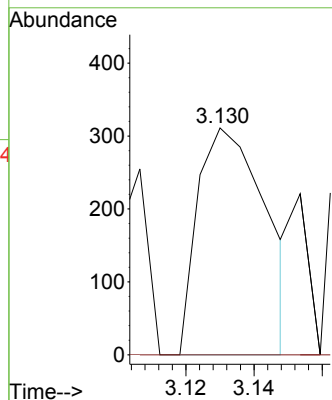
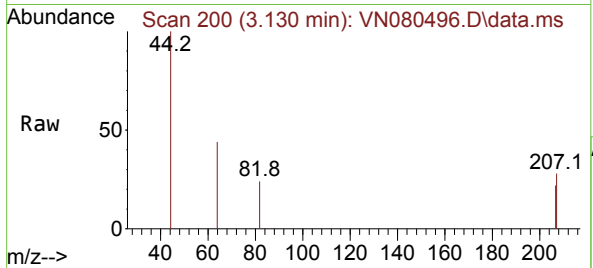




#6
Chloroethane
Concen: 0.271 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

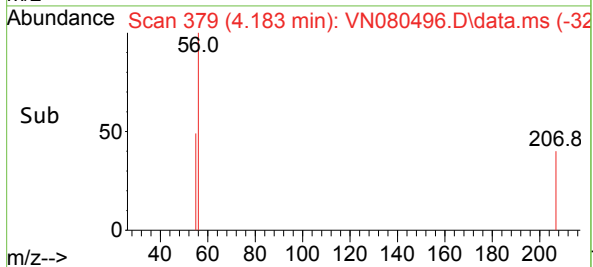
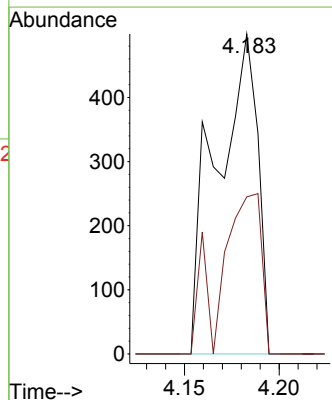
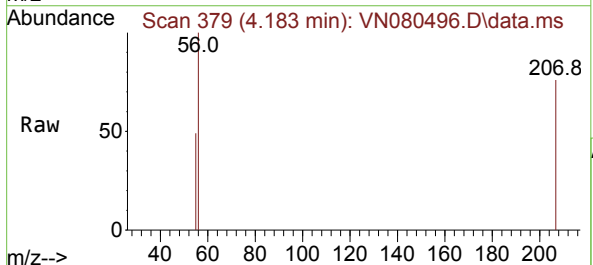
Instrument :
MSVOA_N
ClientSampleId :

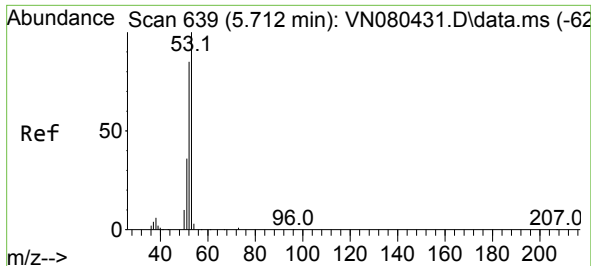
Tgt Ion: 64 Resp: 431
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 2.024 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

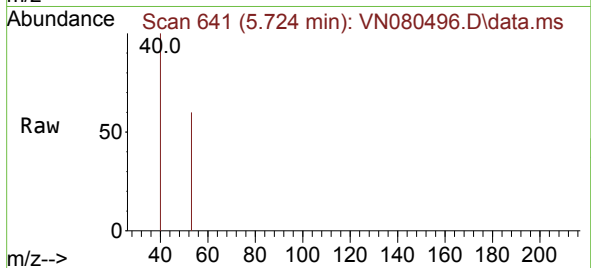
Tgt Ion: 56 Resp: 756
Ion Ratio Lower Upper
56 100
55 49.3 54.5 81.7#



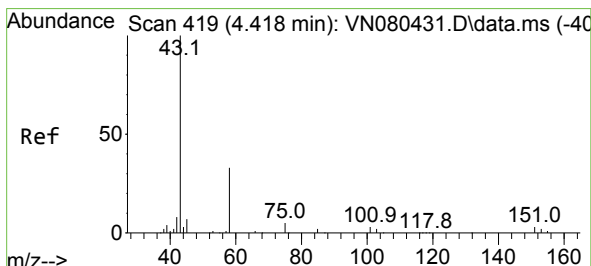
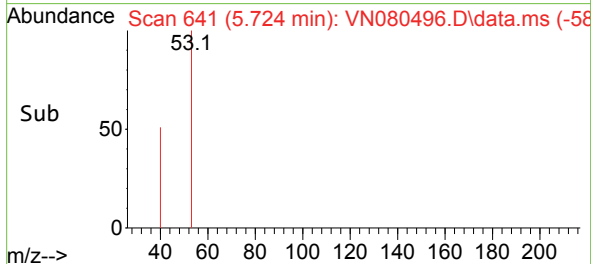
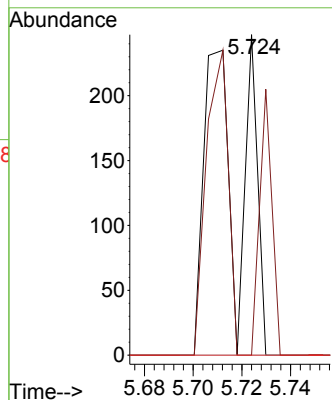


#15
Acrylonitrile
Concen: 0.262 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

Instrument :
MSVOA_N
ClientSampleId :

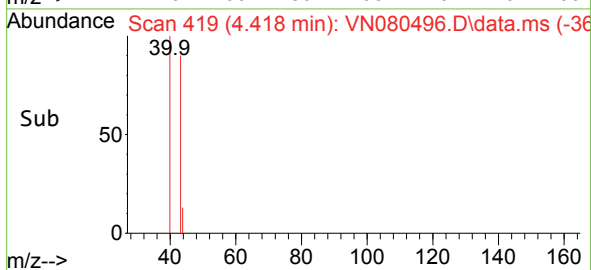
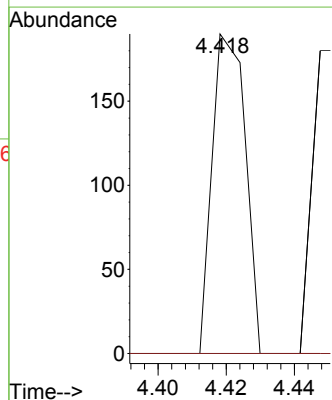
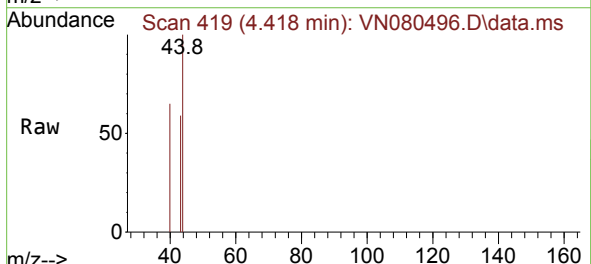


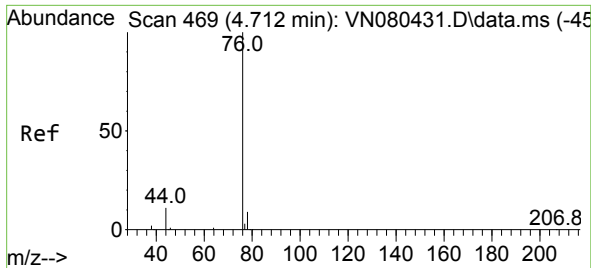
Tgt Ion: 53 Resp: 252
Ion Ratio Lower Upper
53 100
52 28.6 65.3 97.9#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 0.249 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

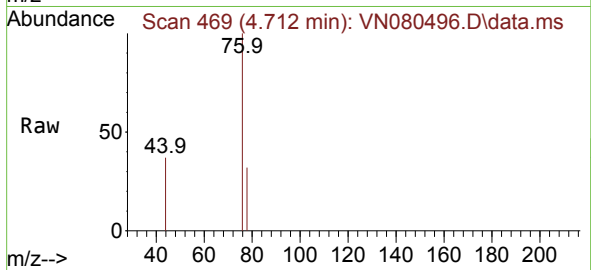
Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



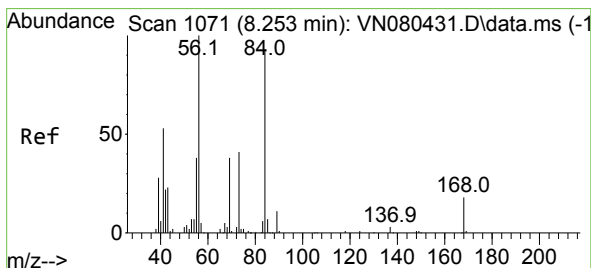
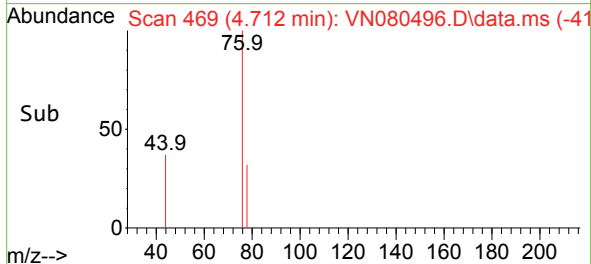
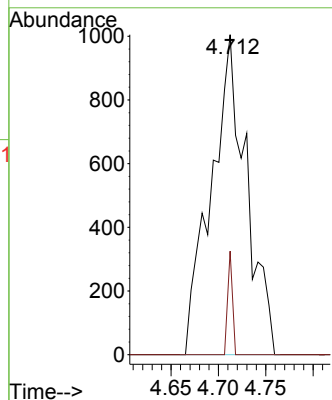


#17
Carbon Disulfide
Concen: 0.376 ug/l
RT: 4.712 min Scan# 40
Delta R.T. 0.000 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

Instrument :
MSVOA_N
ClientSampleId :

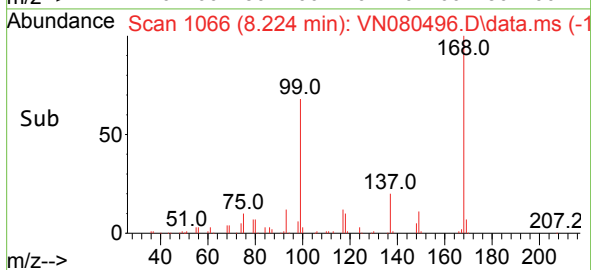
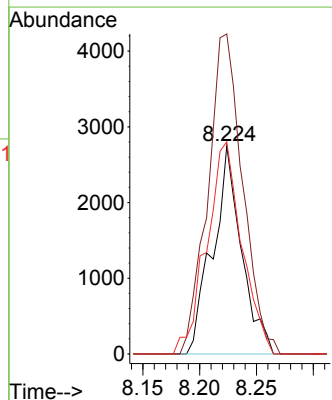
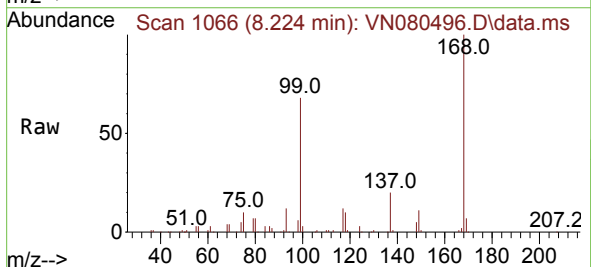


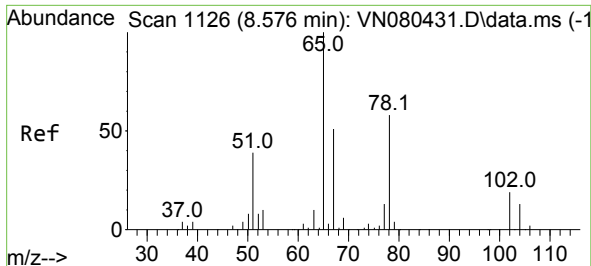
Tgt Ion: 76 Resp: 2598
Ion Ratio Lower Upper
76 100
78 32.3 7.4 11.0#



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

Tgt Ion: 56 Resp: 4866
Ion Ratio Lower Upper
56 100
69 153.9 26.8 40.2#
84 102.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 49.296 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080496.D

Acq: 15 Dec 2023 10:27

Instrument :

MSVOA_N

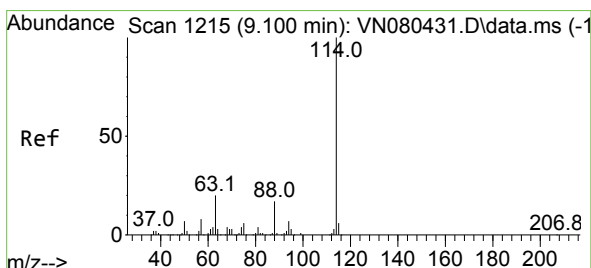
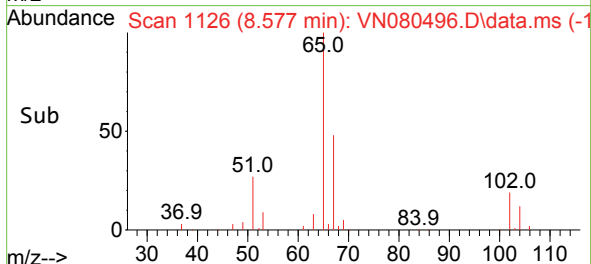
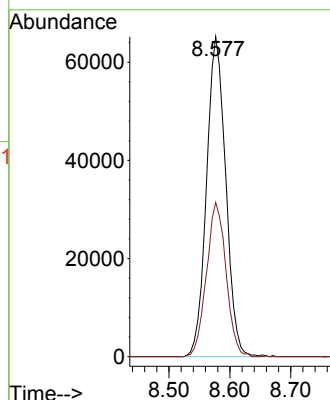
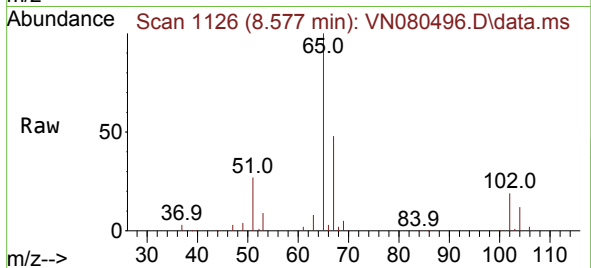
ClientSampleId :

Tgt Ion: 65 Resp: 142731

Ion Ratio Lower Upper

65 100

67 49.1 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: VN080496.D

Acq: 15 Dec 2023 10:27

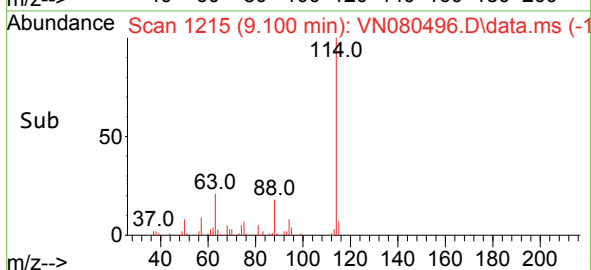
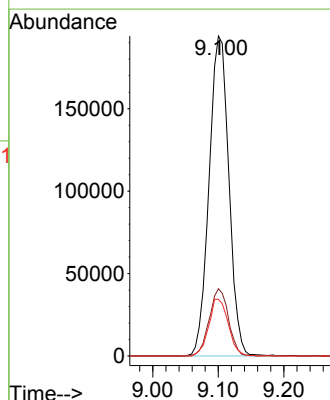
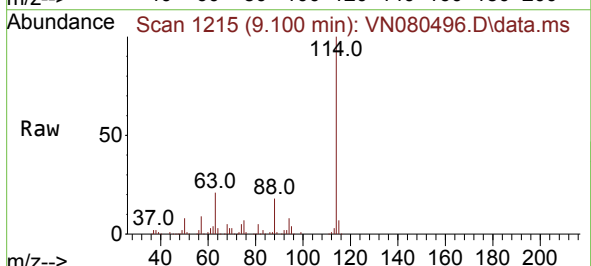
Tgt Ion: 114 Resp: 407169

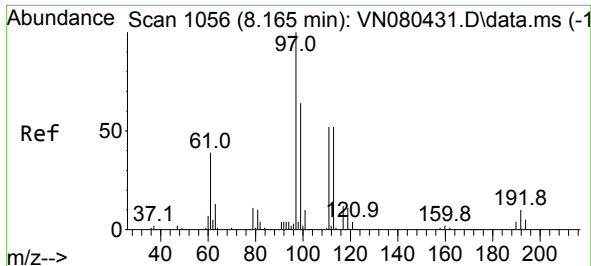
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

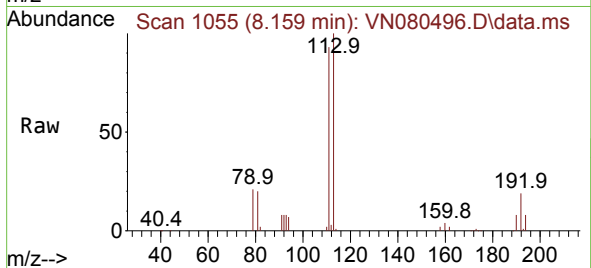
88 17.7 0.0 30.6



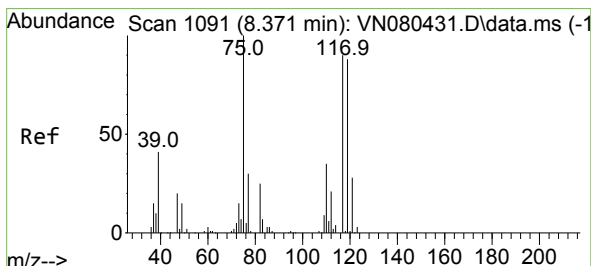
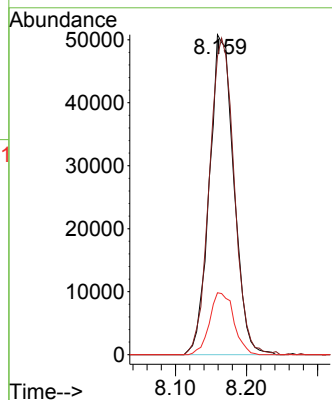
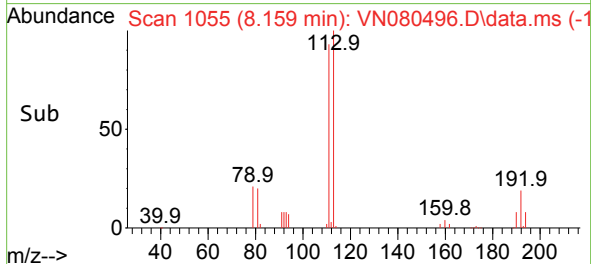


#35
Dibromofluoromethane
Concen: 46.937 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

Instrument :
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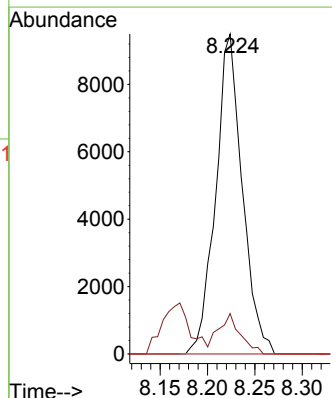
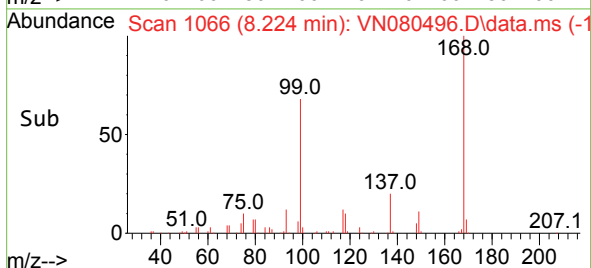
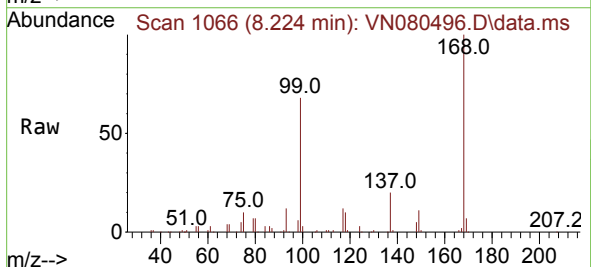


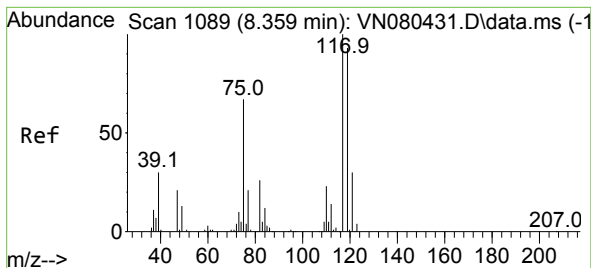
Tgt Ion:113 Resp: 121172
Ion Ratio Lower Upper
113 100
111 100.6 82.6 123.8
192 19.2 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.393 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

Tgt Ion: 75 Resp: 18544
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.083 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

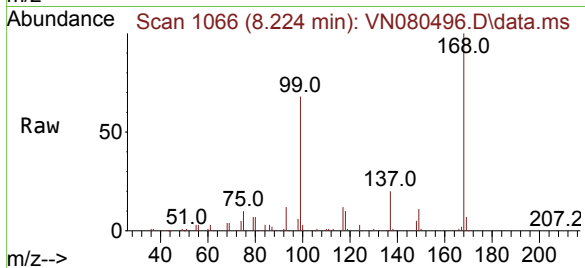
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Acq: 15 Dec 2023 10:27

Instrument :

MSVOA_N

ClientSampleId :



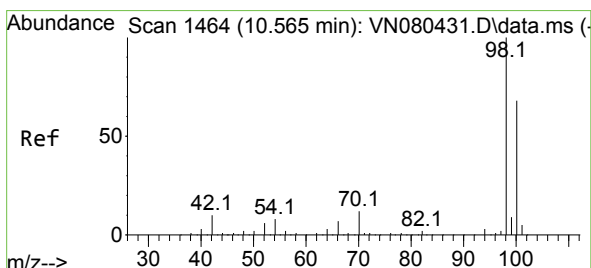
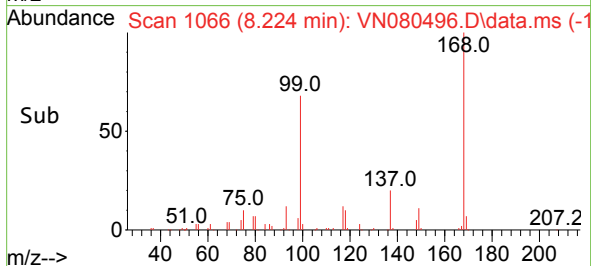
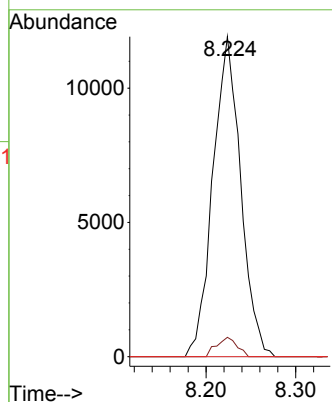
Tgt Ion:117 Resp: 25635

Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 43.510 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080496.D

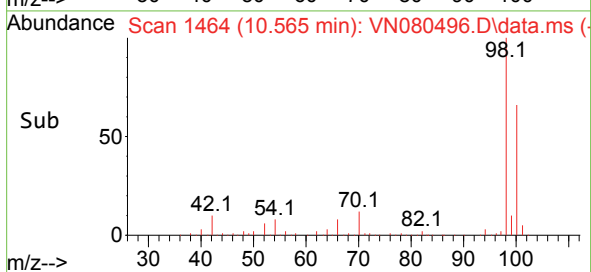
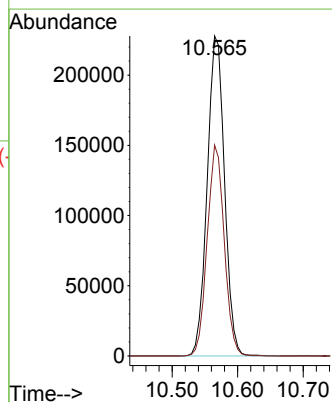
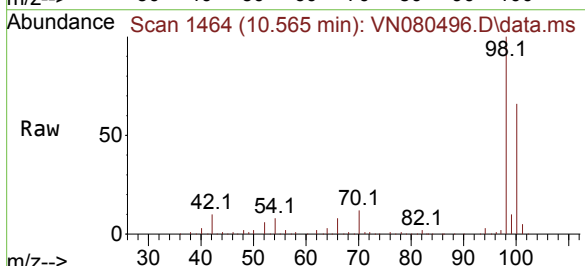
Acq: 15 Dec 2023 10:27

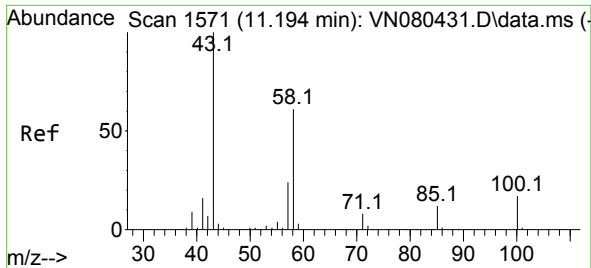
Tgt Ion: 98 Resp: 418917

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

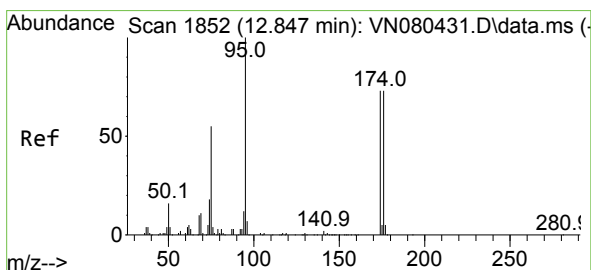
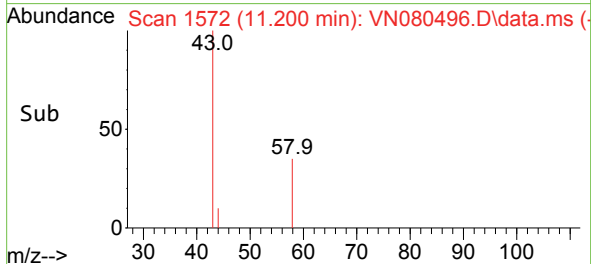
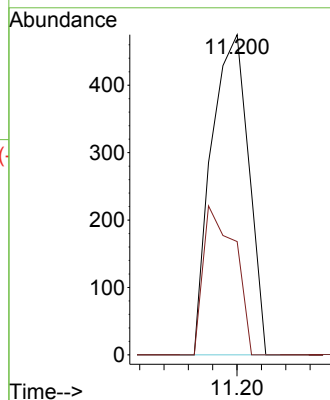
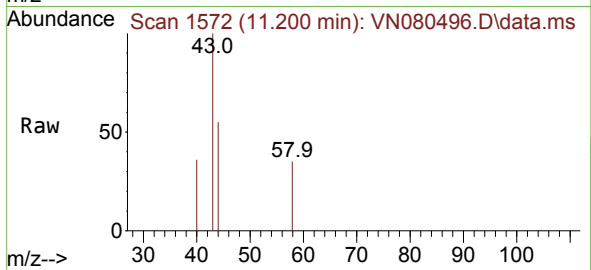




#59
2-Hexanone
Concen: 0.261 ug/l
RT: 11.200 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

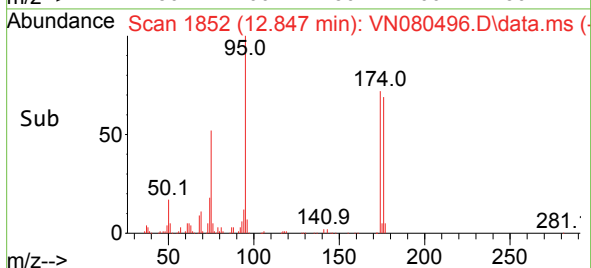
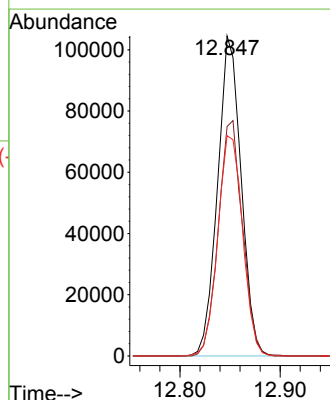
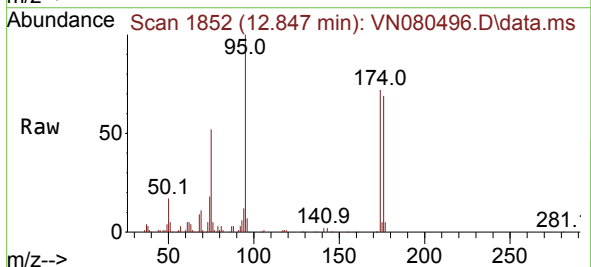
Instrument :
MSVOA_N
ClientSampleId :

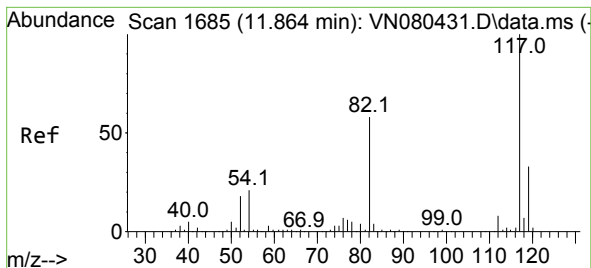
Tgt Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
58 39.6 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 46.624 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

Tgt Ion: 95 Resp: 170458
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 72.5 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080496.D

Acq: 15 Dec 2023 10:27

Instrument :

MSVOA_N

ClientSampleId :

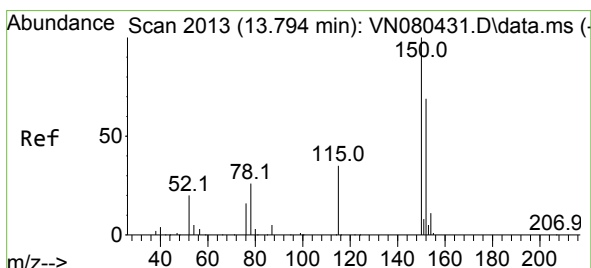
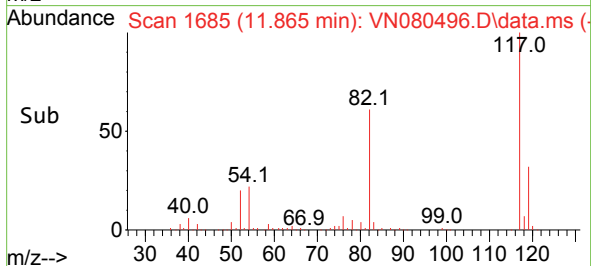
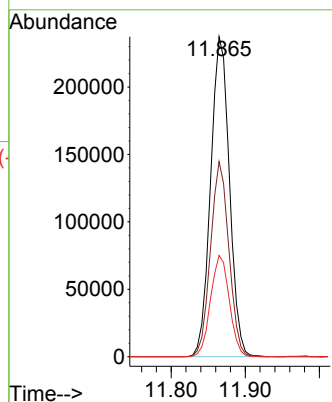
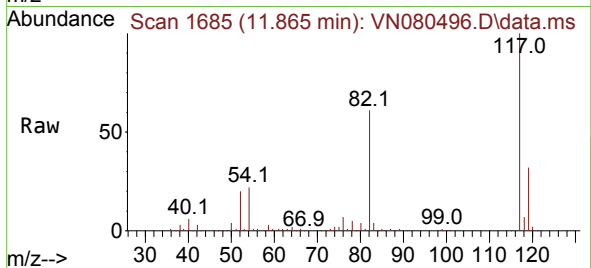
Tgt Ion:117 Resp: 418088

Ion Ratio Lower Upper

117 100

82 60.9 44.0 66.0

119 31.6 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: VN080496.D

Acq: 15 Dec 2023 10:27

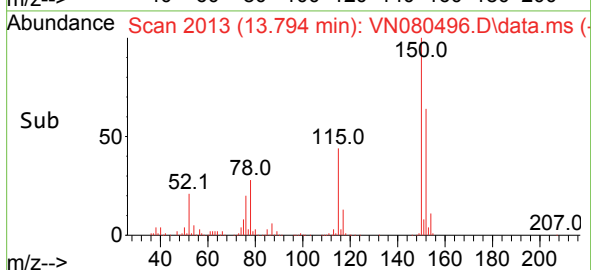
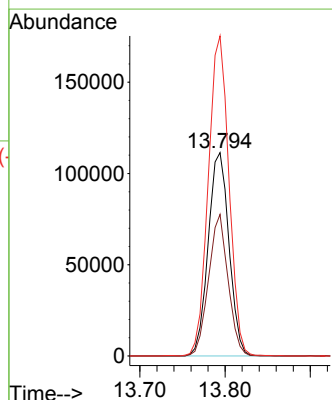
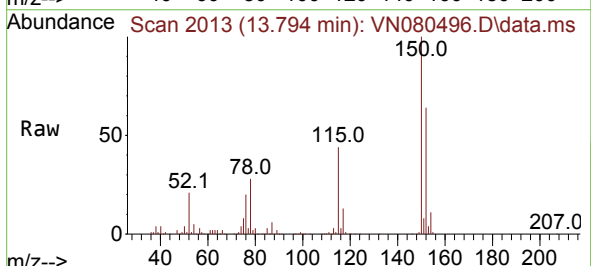
Tgt Ion:152 Resp: 189274

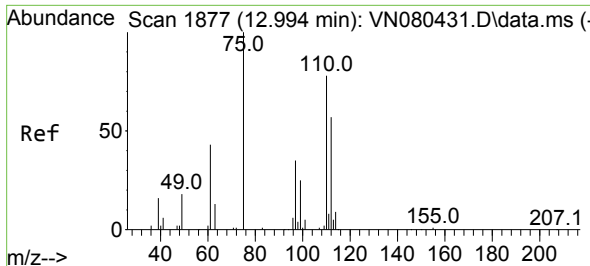
Ion Ratio Lower Upper

152 100

115 65.3 32.3 96.8

150 156.1 0.0 355.8

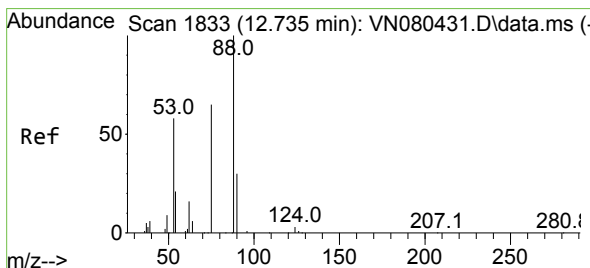
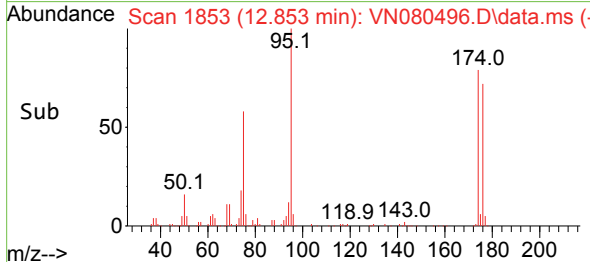
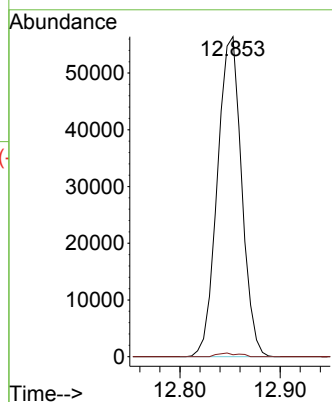
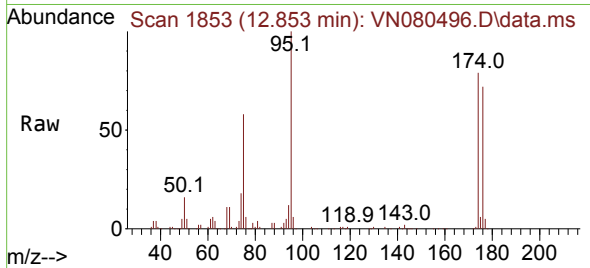




#76
1,2,3-Trichloropropane
Concen: 25.098 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

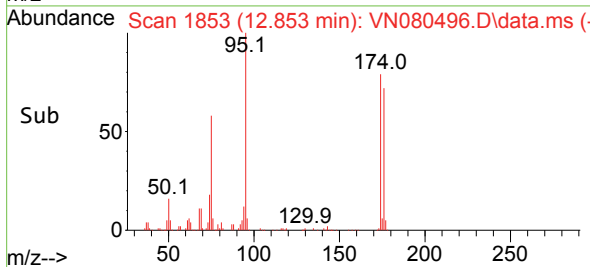
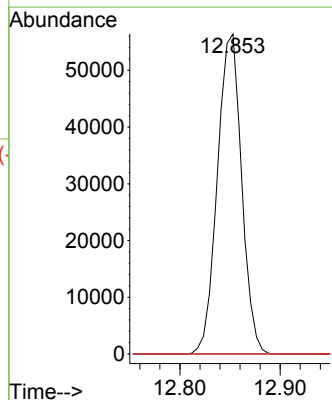
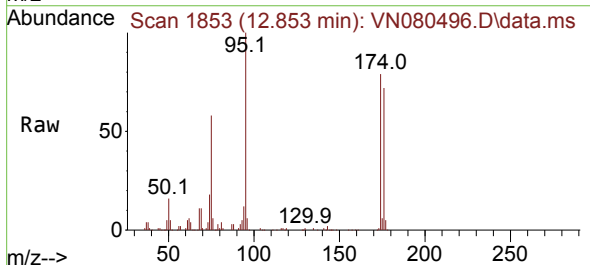
Instrument :
MSVOA_N
ClientSampleId :

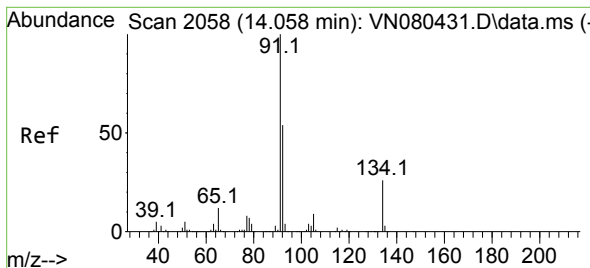
Tgt Ion: 75 Resp: 94770
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.898 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

Tgt Ion: 75 Resp: 94770
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#89

n-Butylbenzene

Concen: 0.383 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN080496.D

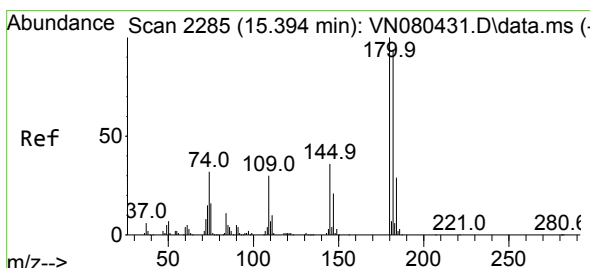
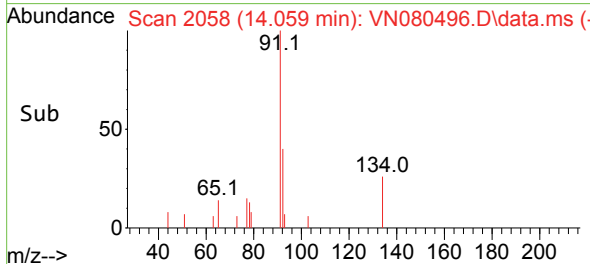
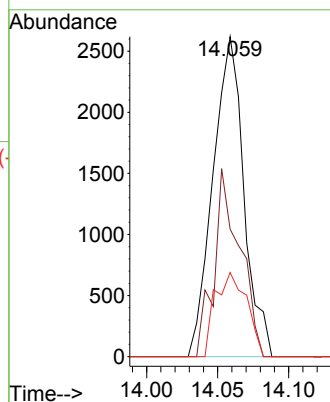
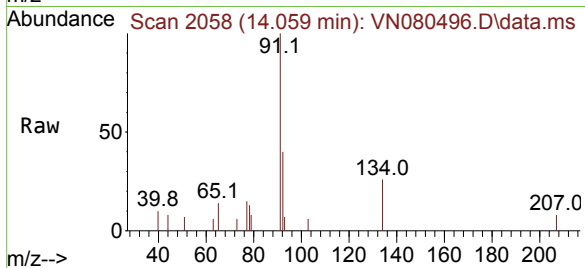
Acq: 15 Dec 2023 10:27

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp:	3963
Ion	Ratio	Lower Upper
91	100	
92	49.0	26.4 79.0
134	26.8	12.6 37.6



#93

1,2,4-Trichlorobenzene

Concen: 0.571 ug/l

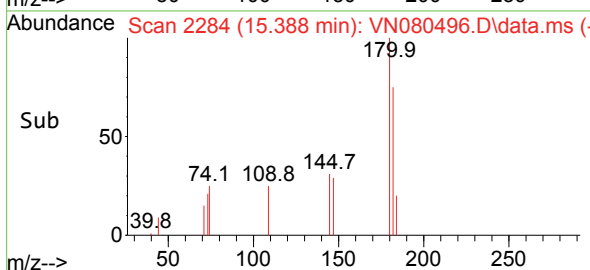
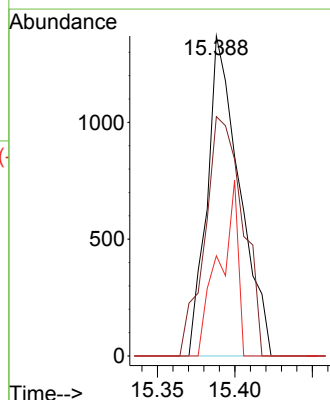
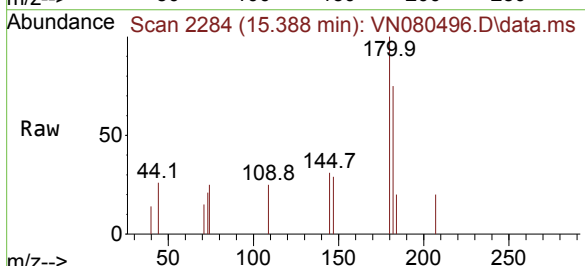
RT: 15.388 min Scan# 2284

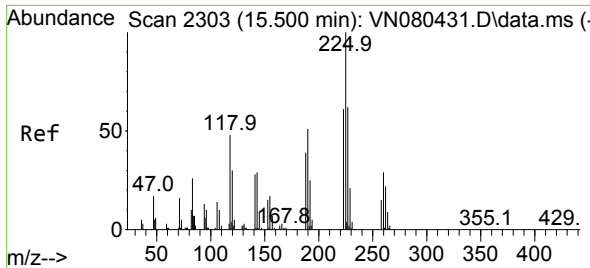
Delta R.T. -0.006 min

Lab File: VN080496.D

Acq: 15 Dec 2023 10:27

Tgt Ion: 180	Resp:	1984
Ion	Ratio	Lower Upper
180	100	
182	87.5	46.1 138.2
145	32.3	16.6 49.8

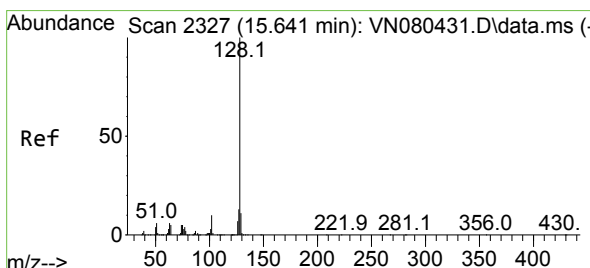
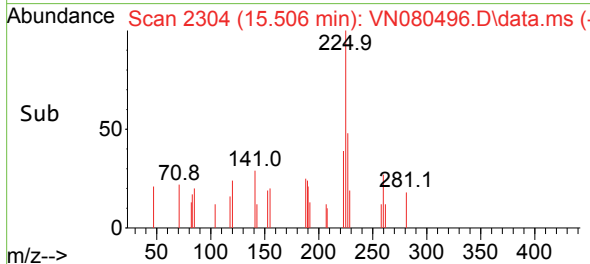
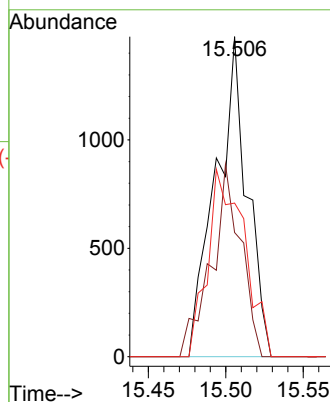
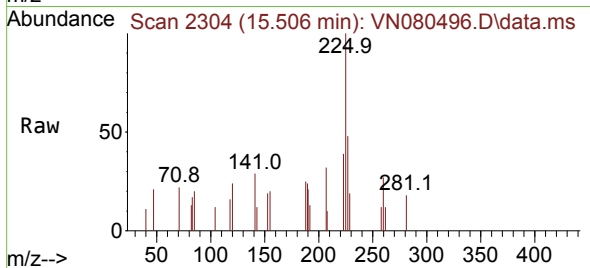




#94
Hexachlorobutadiene
Concen: 1.051 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

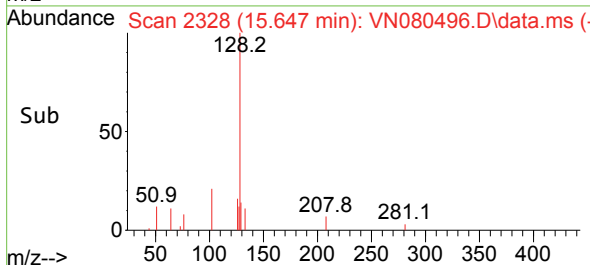
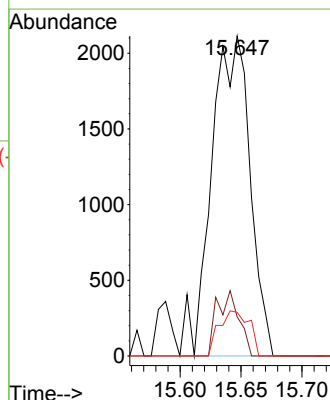
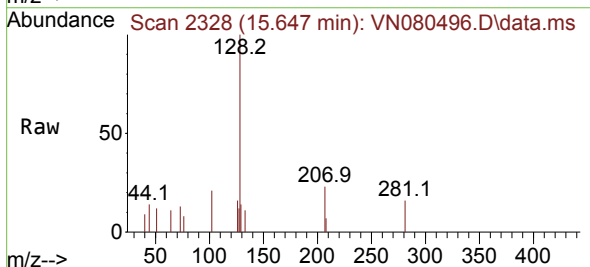
Instrument :
MSVOA_N
ClientSampleId :

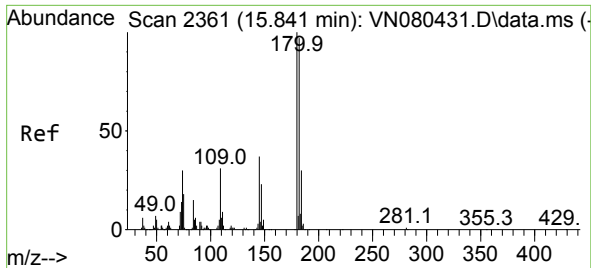
Tgt Ion:225 Resp: 2078
Ion Ratio Lower Upper
225 100
223 56.5 31.3 93.8
227 68.2 31.9 95.9



#95
Naphthalene
Concen: 0.442 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080496.D
Acq: 15 Dec 2023 10:27

Tgt Ion:128 Resp: 4661
Ion Ratio Lower Upper
128 100
127 11.6 10.0 15.0
129 11.0 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.548 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.000 min

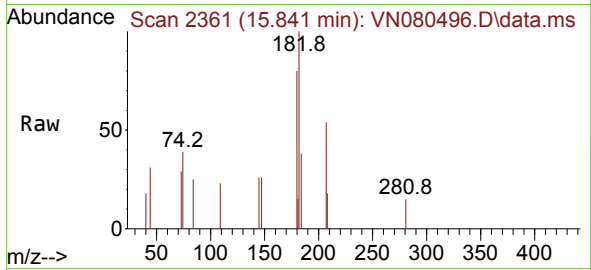
Lab File: VN080496.D

Acq: 15 Dec 2023 10:27

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	180	Resp:	1837
Ion Ratio	Lower	Upper	
180	100		
182	85.2	46.2	138.6
145	15.8	17.5	52.6#

