

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080473.D
 Acq On : 13 Dec 2023 19:38
 Operator : JC\MD
 Sample : 05812-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:12:31 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	229445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	412998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	431793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193263	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	151298	51.628	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.260%
35) Dibromofluoromethane	8.171	113	126511	48.313	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.620%
50) Toluene-d8	10.565	98	454724	46.562	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.120%
62) 4-Bromofluorobenzene	12.847	95	185406	49.997	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.000%

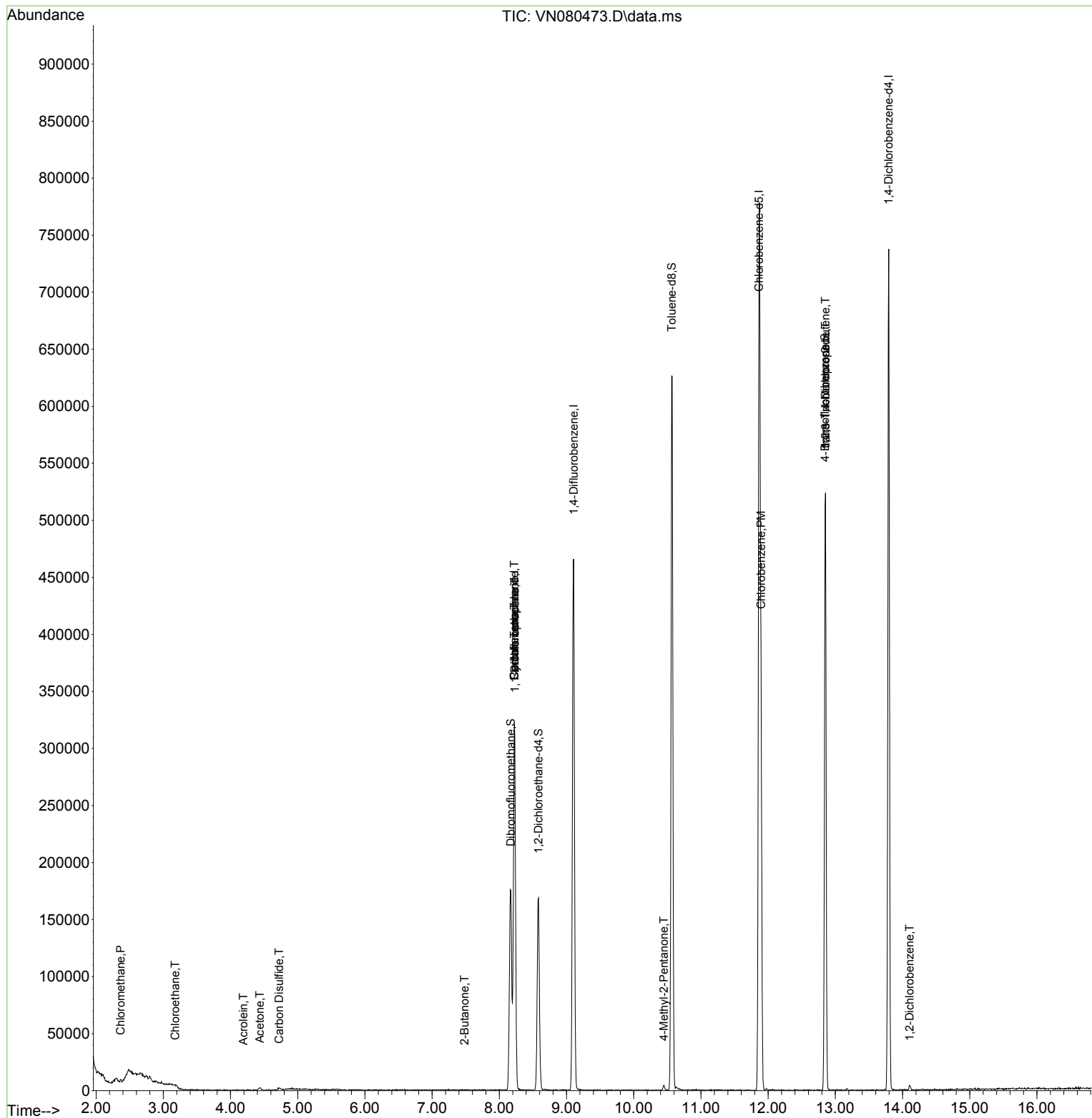
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	3325	0.686	ug/l	93
6) Chloroethane	3.177	64	773	0.480	ug/l #	43
13) Acrolein	4.189	56	330	0.873	ug/l #	47
16) Acetone	4.436	43	3976	7.652	ug/l #	85
17) Carbon Disulfide	4.724	76	5855	0.838	ug/l #	75
25) 2-Butanone	7.483	43	228	0.228	ug/l #	37
31) Cyclohexane	8.224	56	4848	1.216	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	17906	4.182	ug/l #	51
38) Carbon Tetrachloride	8.224	117	26034	5.089	ug/l #	14
51) 4-Methyl-2-Pentanone	10.447	43	2800	1.055	ug/l	97
65) Chlorobenzene	11.894	112	186101	19.375	ug/l	99
76) 1,2,3-Trichloropropane	12.853	75	101624	26.358	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101624	69.205	ug/l #	15
91) 1,2-Dichlorobenzene	14.106	146	1986	0.311	ug/l	89

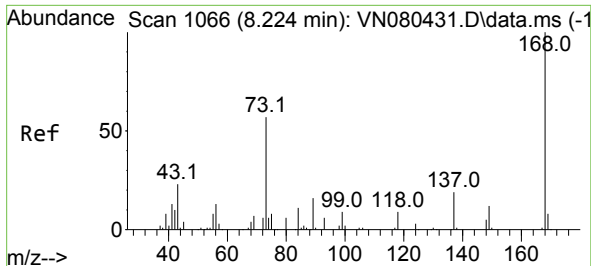
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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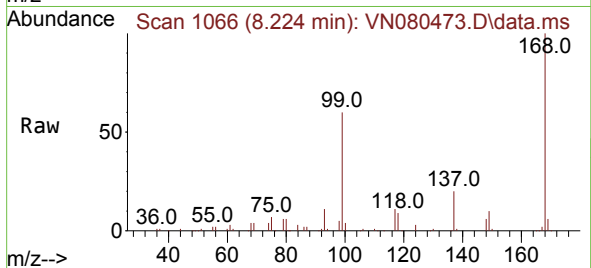
Quant Time: Dec 14 04:12:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration



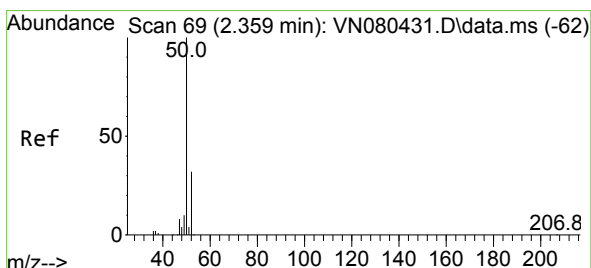
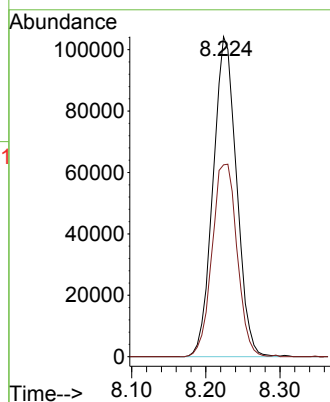
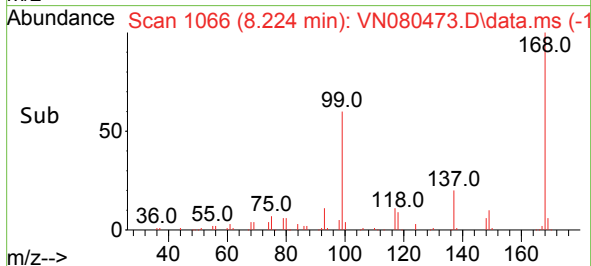


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :

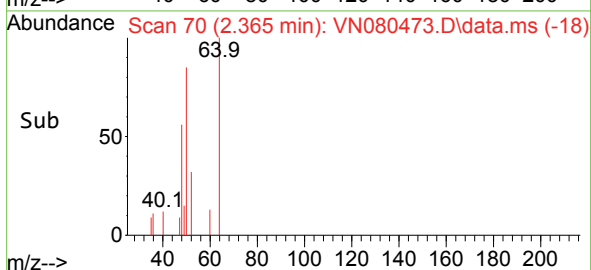
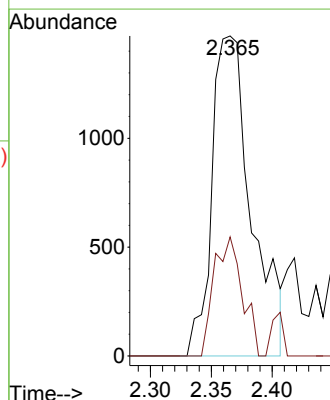
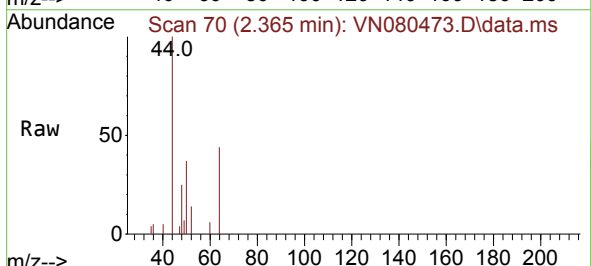


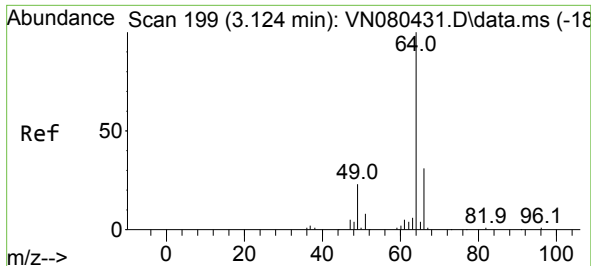
Tgt Ion:168 Resp: 229445
Ion Ratio Lower Upper
168 100
99 59.9 53.0 79.6



#3
Chloromethane
Concen: 0.686 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Tgt Ion: 50 Resp: 3325
Ion Ratio Lower Upper
50 100
52 37.2 26.5 39.7

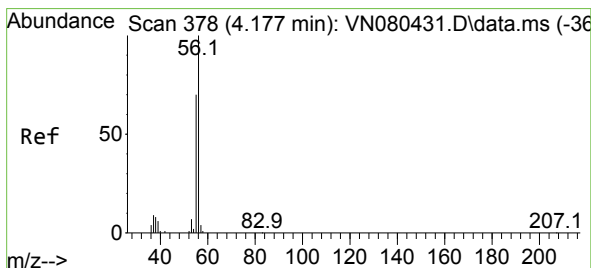
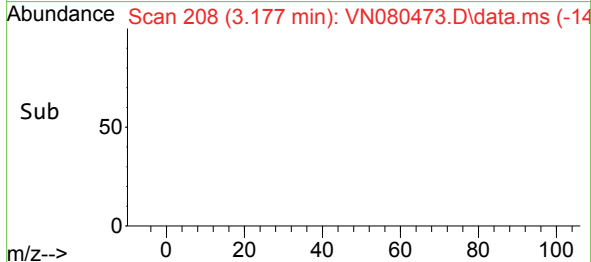
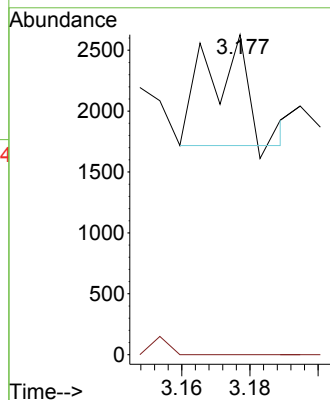
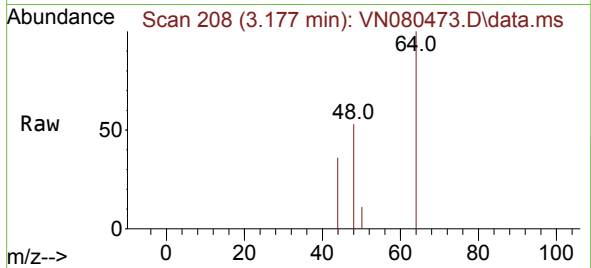




#6
Chloroethane
Concen: 0.480 ug/l
RT: 3.177 min Scan# 20
Delta R.T. 0.053 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

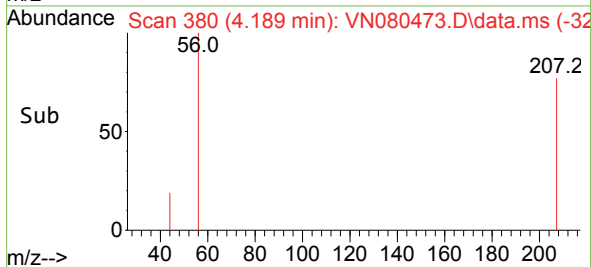
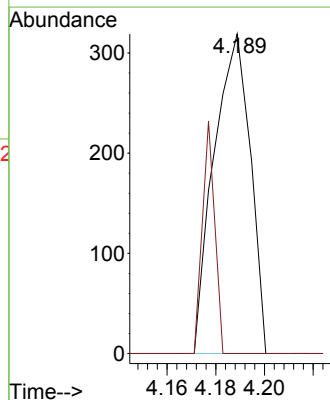
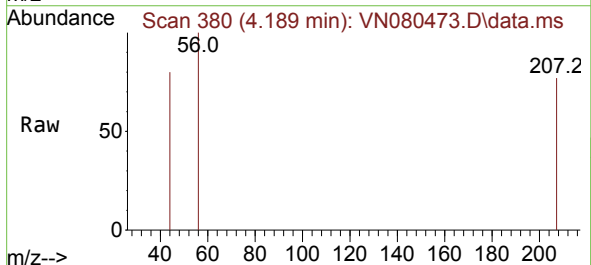
Instrument :
MSVOA_N
ClientSampleId :

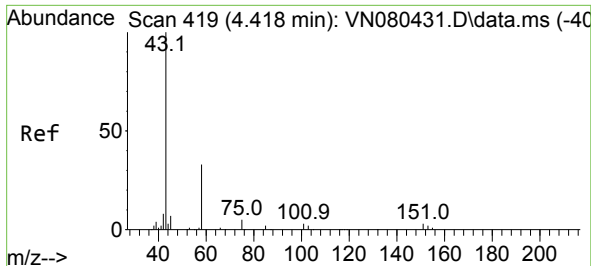
Tgt Ion: 64 Resp: 773
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.873 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

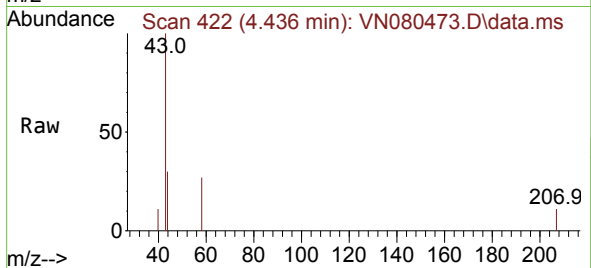
Tgt Ion: 56 Resp: 330
Ion Ratio Lower Upper
56 100
55 24.8 54.5 81.7#



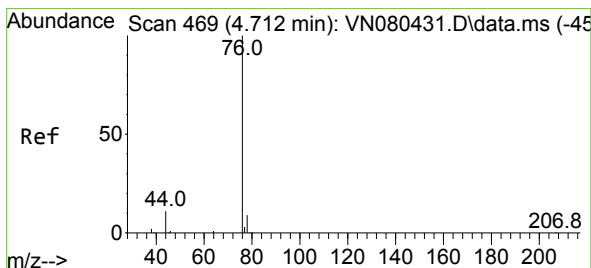
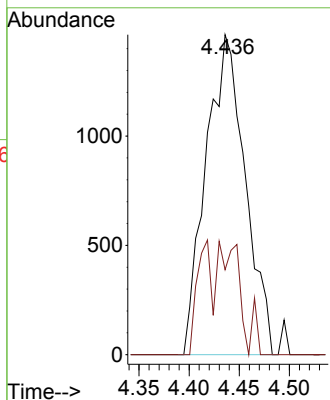
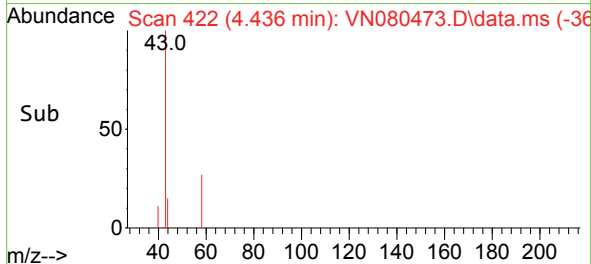


#16
Acetone
Concen: 7.652 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

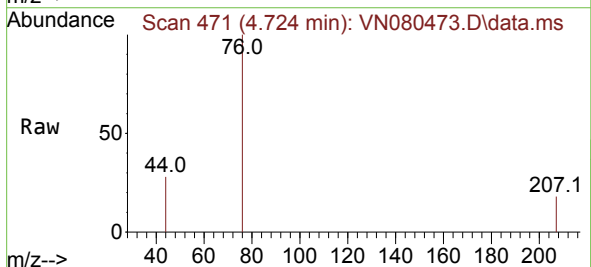
Instrument :
MSVOA_N
ClientSampleId :



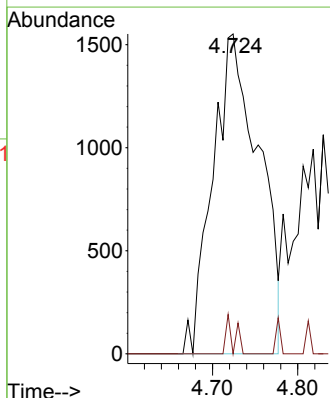
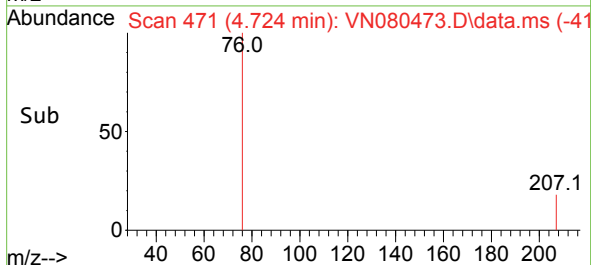
Tgt Ion: 43 Resp: 3976
Ion Ratio Lower Upper
43 100
58 26.6 28.0 42.0#

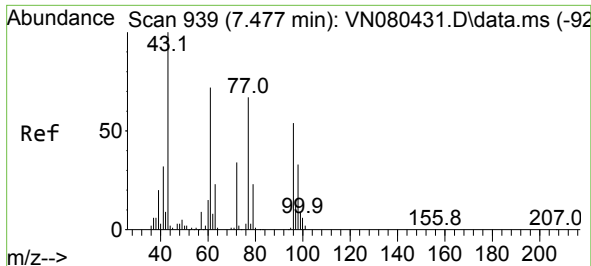


#17
Carbon Disulfide
Concen: 0.838 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38



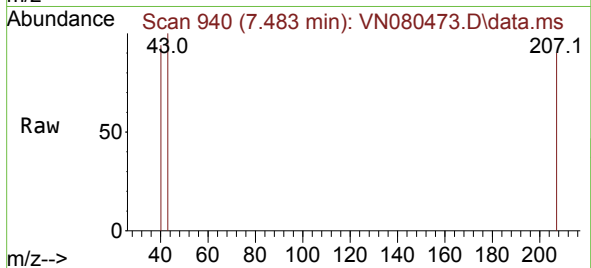
Tgt Ion: 76 Resp: 5855
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



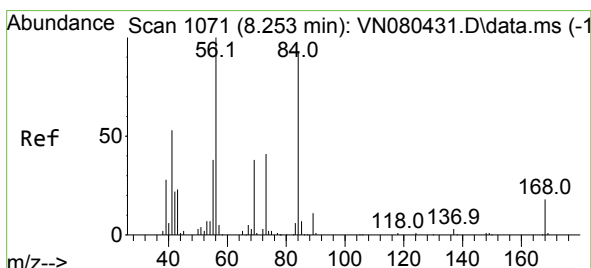
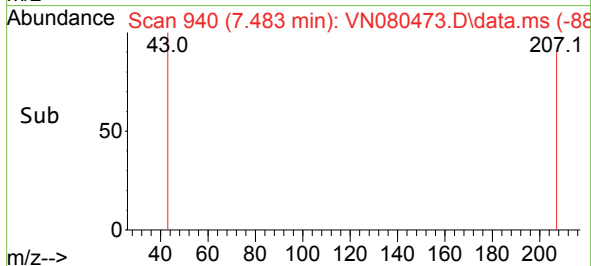
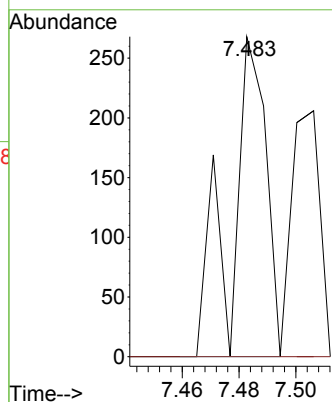


#25
2-Butanone
Concen: 0.228 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :

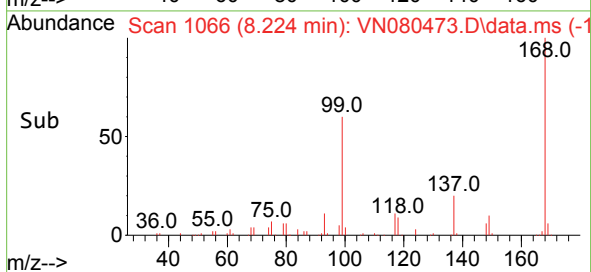
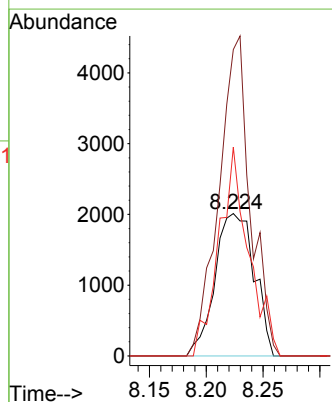
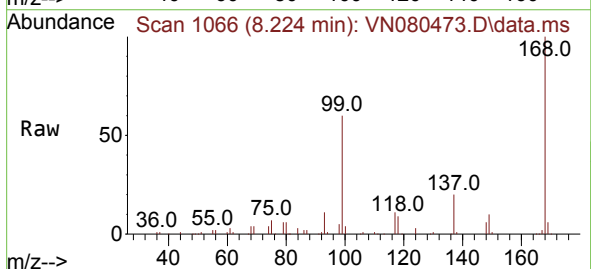


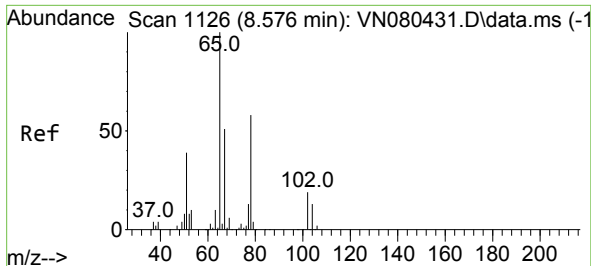
Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.216 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Tgt Ion: 56 Resp: 4848
Ion Ratio Lower Upper
56 100
69 215.3 26.8 40.2#
84 146.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 51.628 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080473.D

Acq: 13 Dec 2023 19:38

Instrument :

MSVOA_N

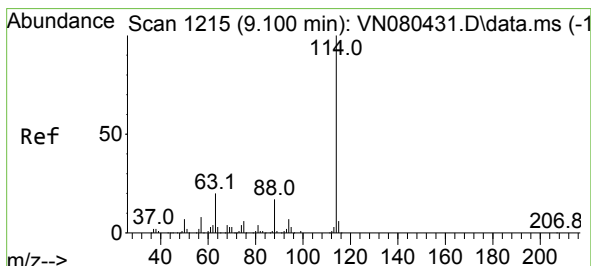
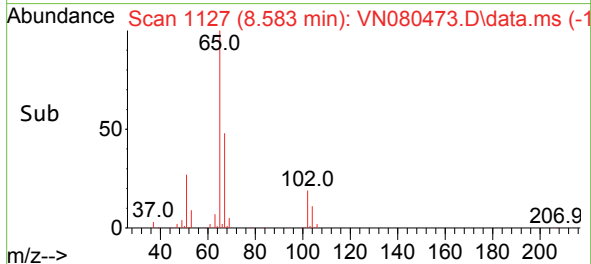
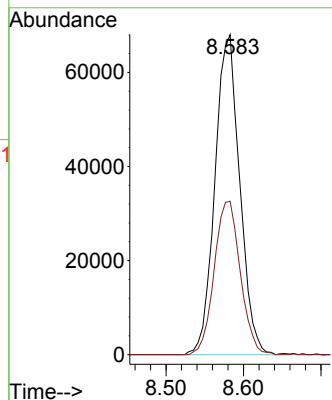
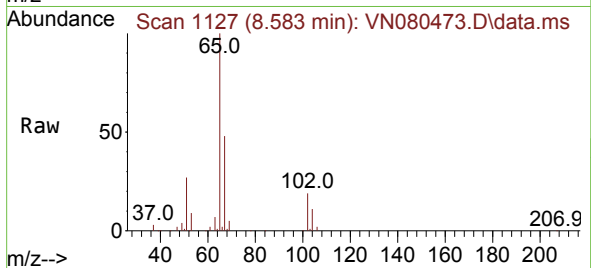
ClientSampleId :

Tgt Ion: 65 Resp: 151298

Ion Ratio Lower Upper

65 100

67 50.4 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: VN080473.D

Acq: 13 Dec 2023 19:38

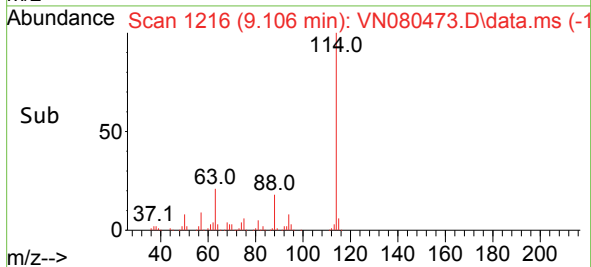
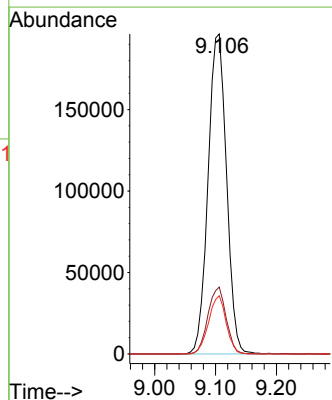
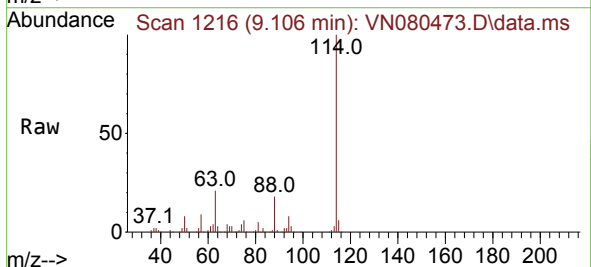
Tgt Ion: 114 Resp: 412998

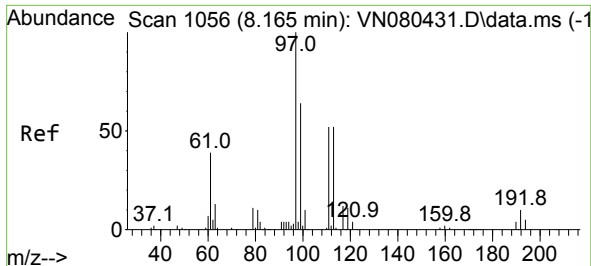
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

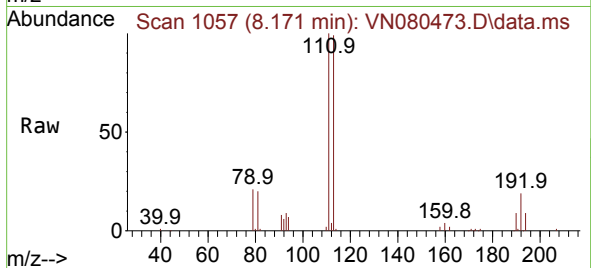
88 18.2 0.0 30.6



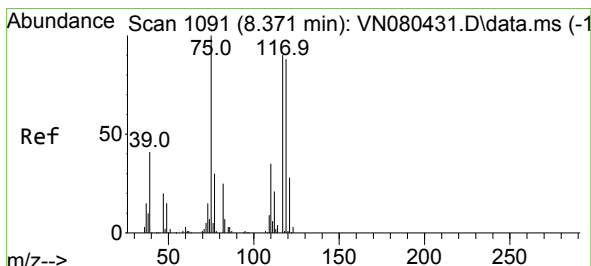
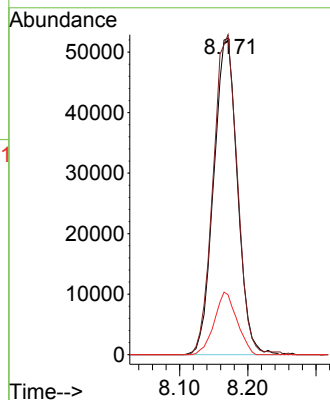
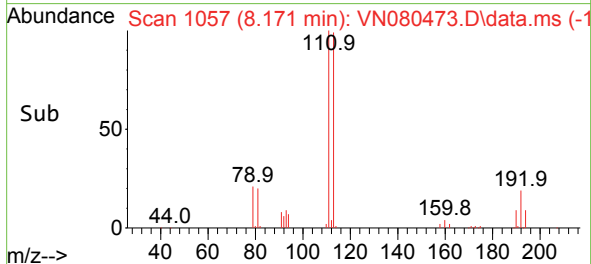


#35
Dibromofluoromethane
Concen: 48.313 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :

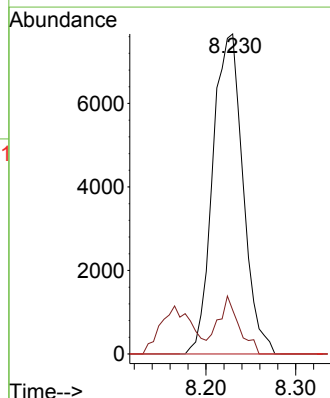
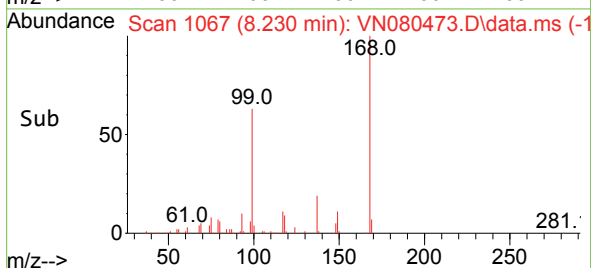
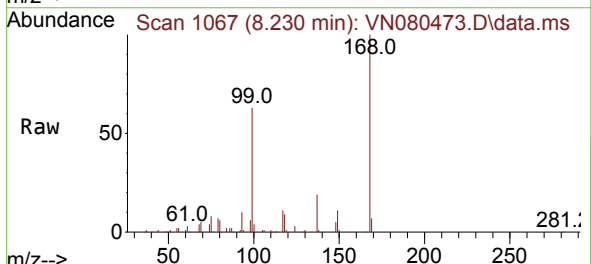


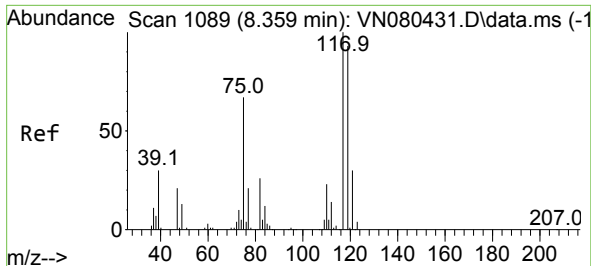
Tgt Ion:113 Resp: 126511
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 18.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.182 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

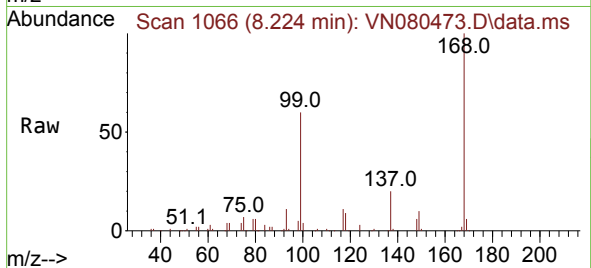
Tgt Ion: 75 Resp: 17906
Ion Ratio Lower Upper
75 100
110 12.5 19.1 57.3#
77 0.0 25.0 37.4#



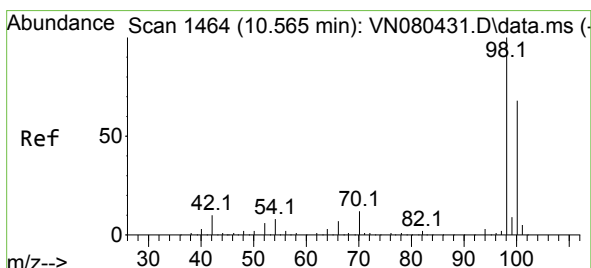
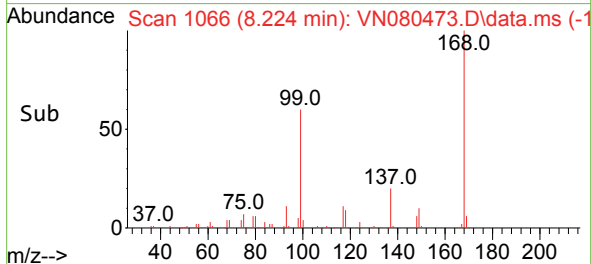
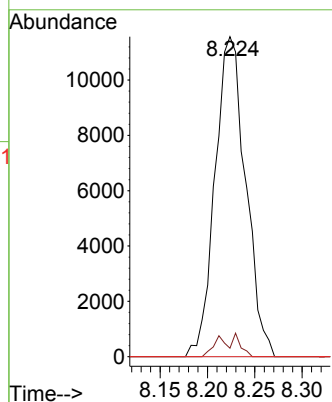


#38
Carbon Tetrachloride
Concen: 5.089 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :

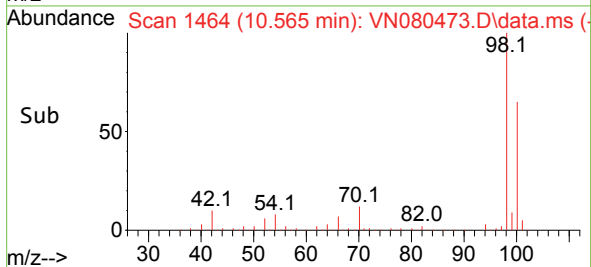
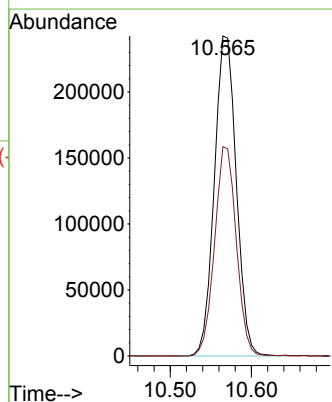
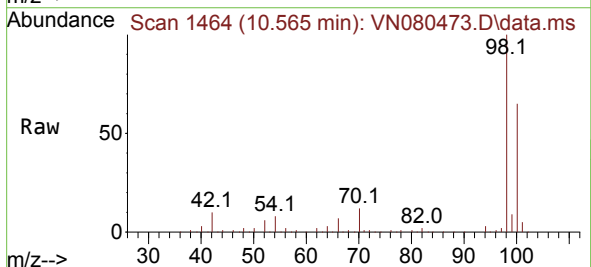


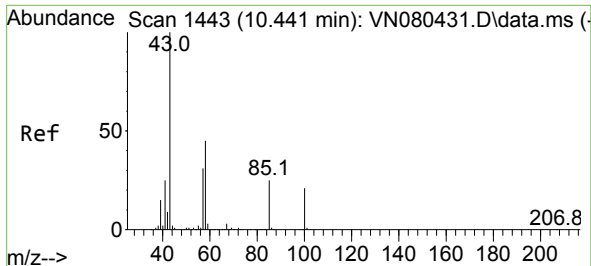
Tgt Ion:117 Resp: 26034
Ion Ratio Lower Upper
117 100
119 2.6 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 46.562 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Tgt Ion: 98 Resp: 454724
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

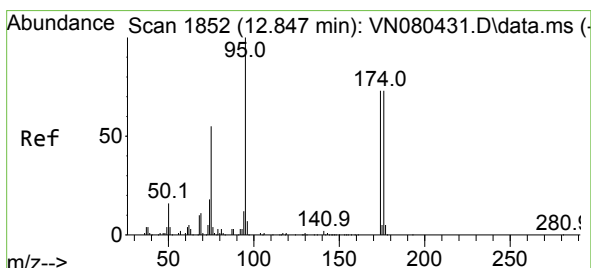
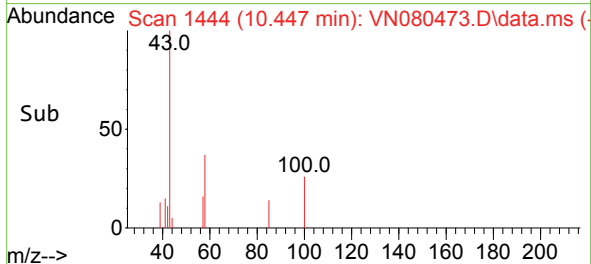
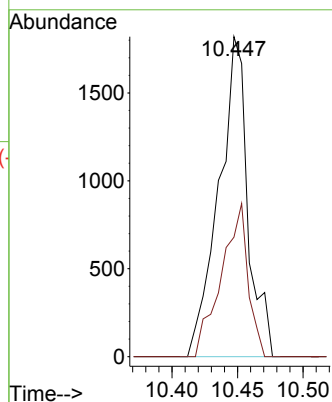
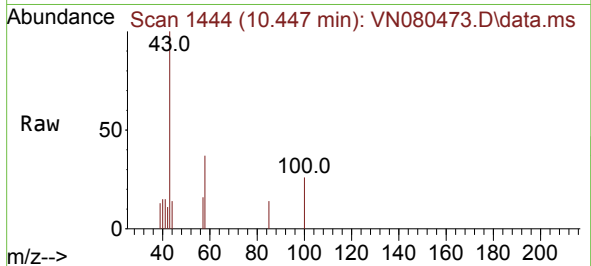




#51
4-Methyl-2-Pentanone
Concen: 1.055 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

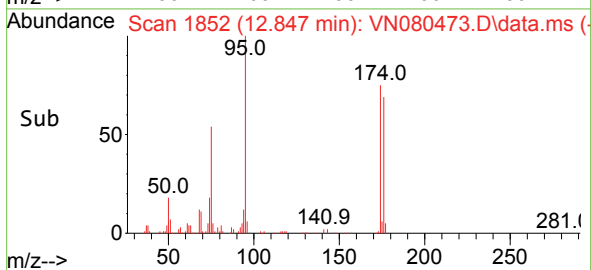
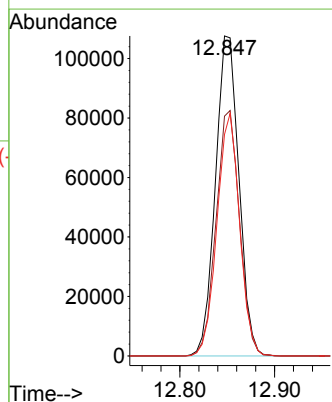
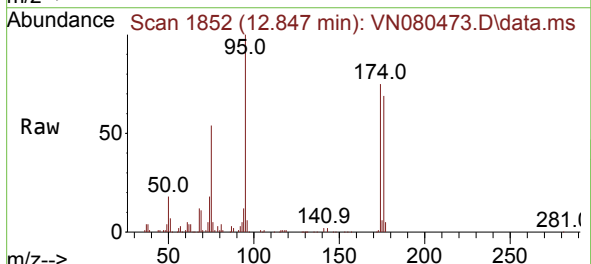
Instrument :
MSVOA_N
ClientSampleId :

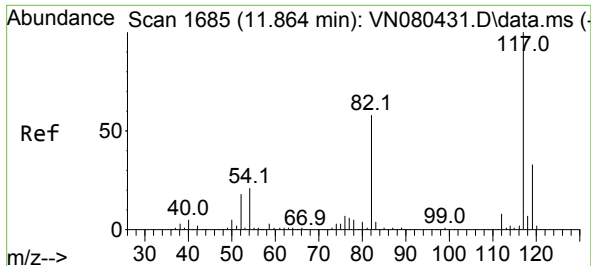
Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
58 44.0 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 49.997 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Tgt Ion: 95 Resp: 185406
Ion Ratio Lower Upper
95 100
174 76.6 0.0 143.8
176 72.9 0.0 135.8

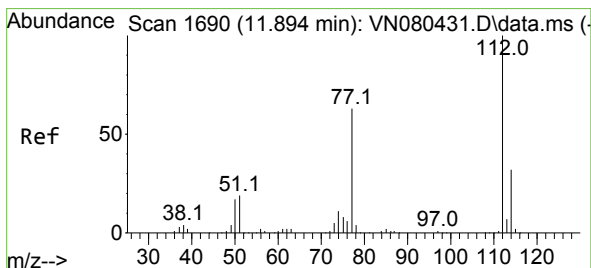
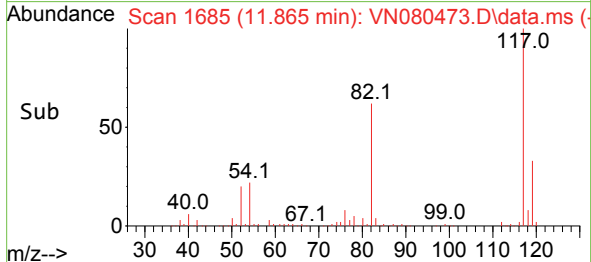
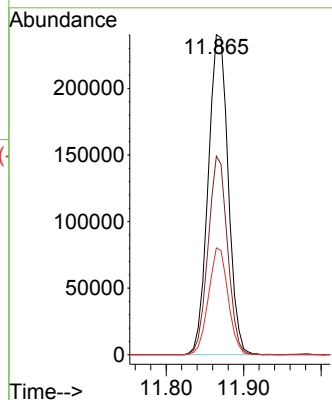
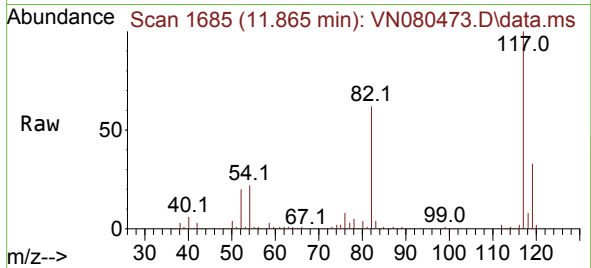




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

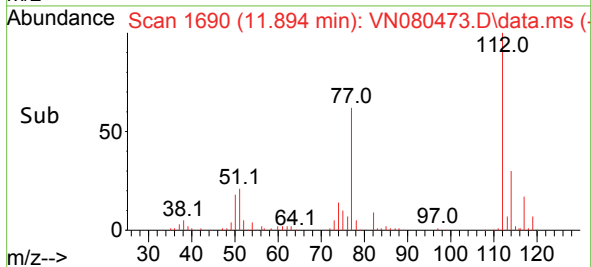
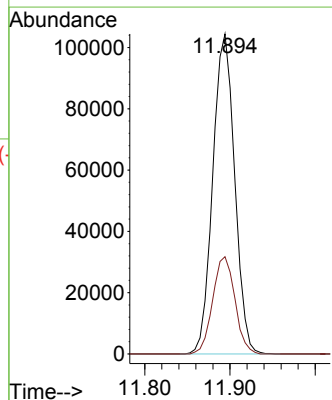
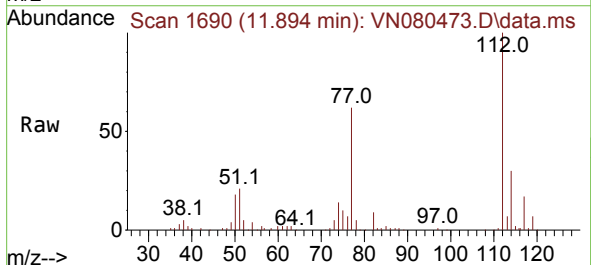
Instrument :
MSVOA_N
ClientSampleId :

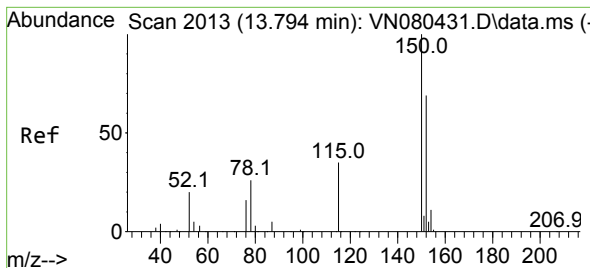
Tgt Ion:117 Resp: 431793
Ion Ratio Lower Upper
117 100
82 62.1 44.0 66.0
119 33.4 25.6 38.4



#65
Chlorobenzene
Concen: 19.375 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Tgt Ion:112 Resp: 186101
Ion Ratio Lower Upper
112 100
114 30.4 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

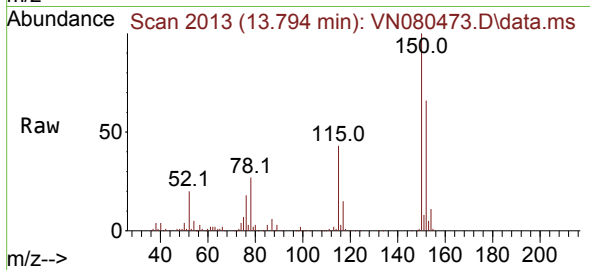
Lab File: VN080473.D

Acq: 13 Dec 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :



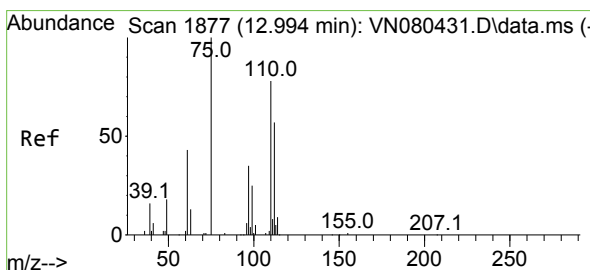
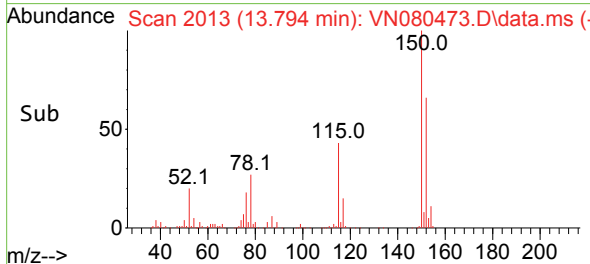
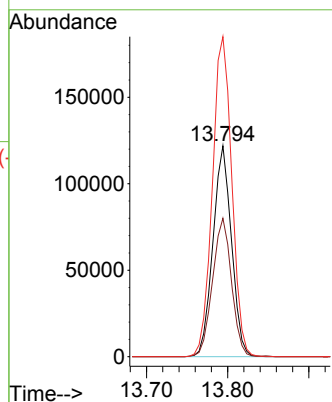
Tgt Ion:152 Resp: 193263

Ion Ratio Lower Upper

152 100

115 67.1 32.3 96.8

150 158.7 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.358 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080473.D

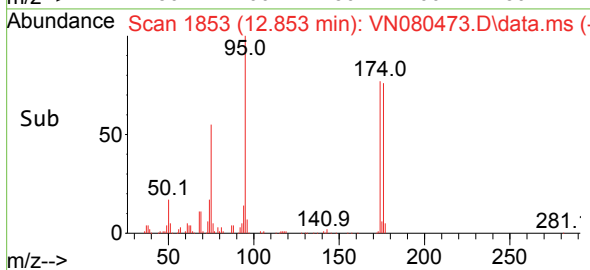
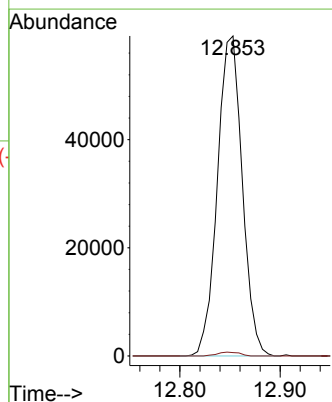
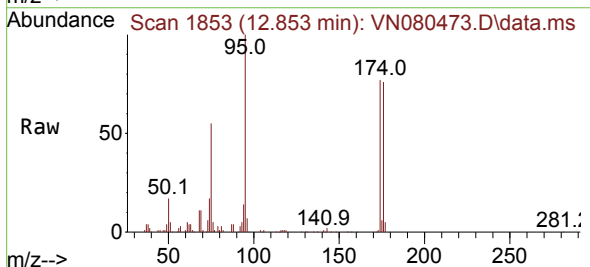
Acq: 13 Dec 2023 19:38

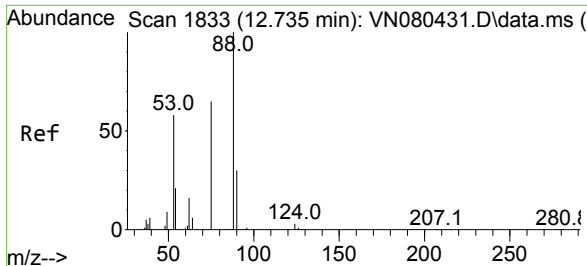
Tgt Ion: 75 Resp: 101624

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#

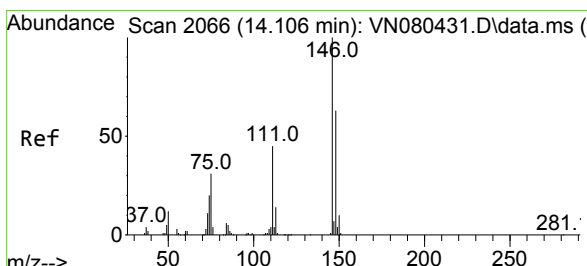
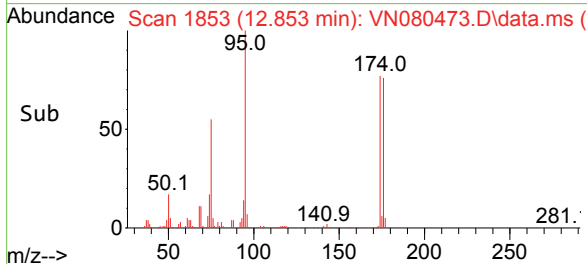
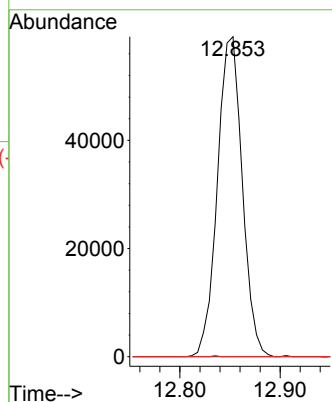
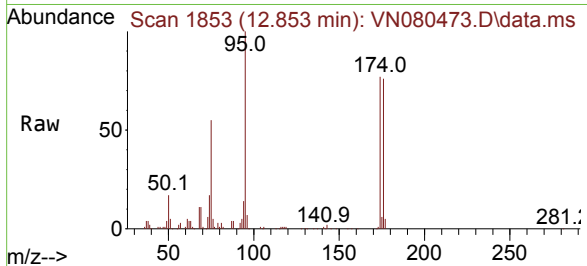




#81
trans-1,4-Dichloro-2-butene
Concen: 69.205 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 101624
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#91
1,2-Dichlorobenzene
Concen: 0.311 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN080473.D
Acq: 13 Dec 2023 19:38

Tgt Ion:146 Resp: 1986
Ion Ratio Lower Upper
146 100
111 45.5 22.0 66.0
148 77.4 31.8 95.3

