

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080585.D
 Acq On : 21 Dec 2023 19:48
 Operator : JC\MD
 Sample : 05975-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 04:06:57 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)

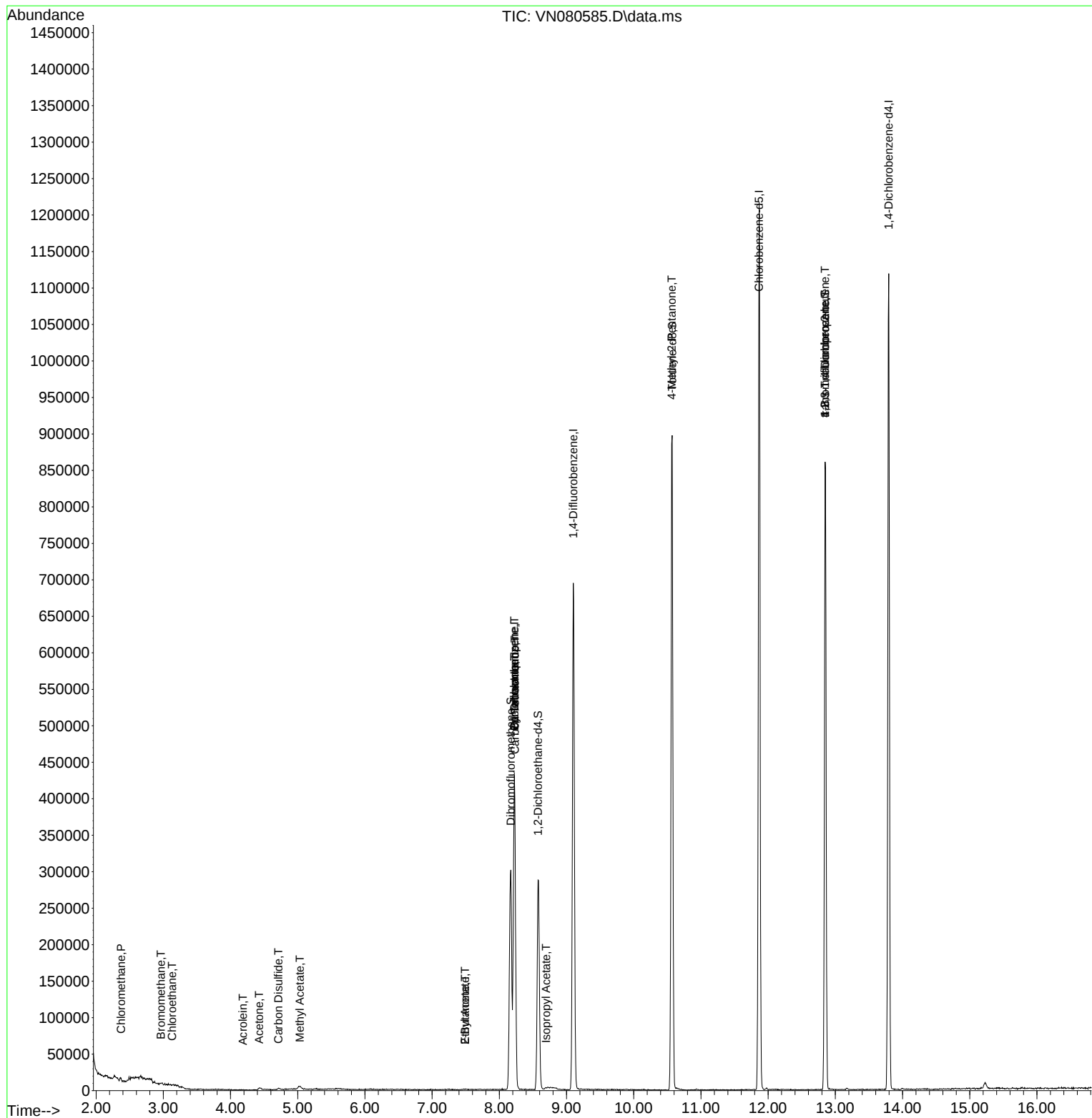
Internal Standards						
1) Pentafluorobenzene	8.224	168	324665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	616956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	714258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	307899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	240980	58.113	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.220%			
35) Dibromofluoromethane	8.171	113	225159	57.560	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.120%			
50) Toluene-d8	10.571	98	628272	43.065	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 86.140%			
62) 4-Bromofluorobenzene	12.847	95	324038	58.493	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.980%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	7664	1.377	ug/l	97
5) Bromomethane	2.965	94	425	0.266	ug/l #	80
6) Chloroethane	3.130	64	783	0.344	ug/l #	86
13) Acrolein	4.183	56	184	0.344	ug/l #	57
16) Acetone	4.424	43	2371	3.225	ug/l	93
17) Carbon Disulfide	4.712	76	4245	0.429	ug/l #	75
18) Methyl Acetate	5.030	43	8889	1.879	ug/l #	84
25) 2-Butanone	7.489	43	997	0.704	ug/l #	37
31) Cyclohexane	8.224	56	7298	1.294	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	25278	3.952	ug/l #	41
37) Ethyl Acetate	7.489	43	997	0.249	ug/l #	63
38) Carbon Tetrachloride	8.230	117	35438	4.637	ug/l #	15
43) Isopropyl Acetate	8.694	43	1794	0.249	ug/l #	49
51) 4-Methyl-2-Pentanone	10.565	43	2563	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	158482	25.801	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	158482	67.743	ug/l #	15

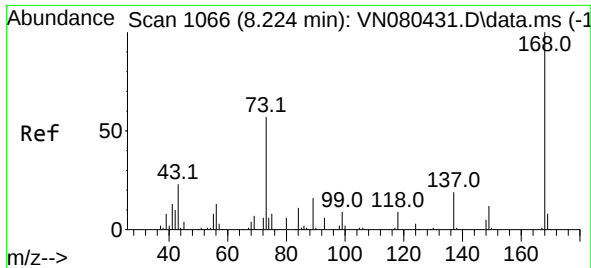
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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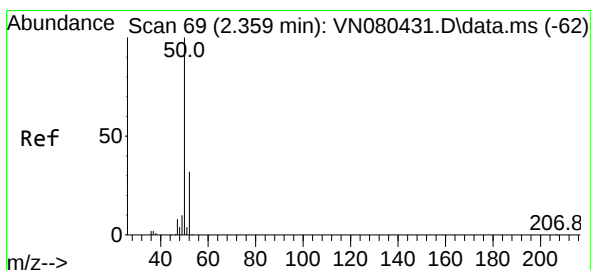
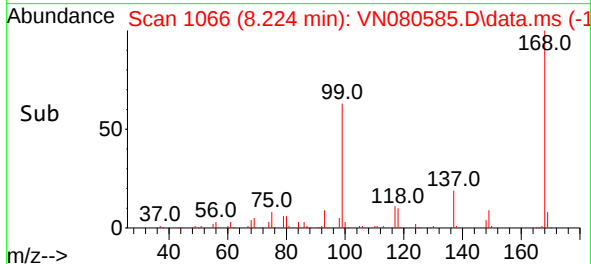
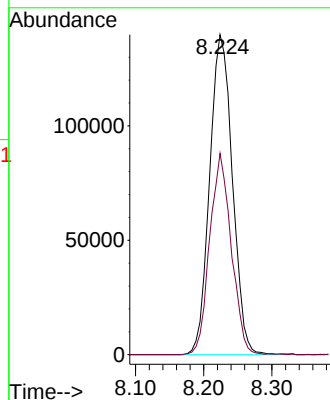
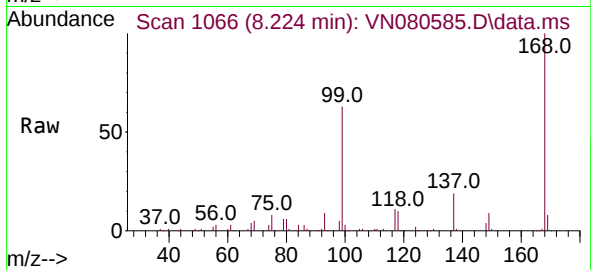




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

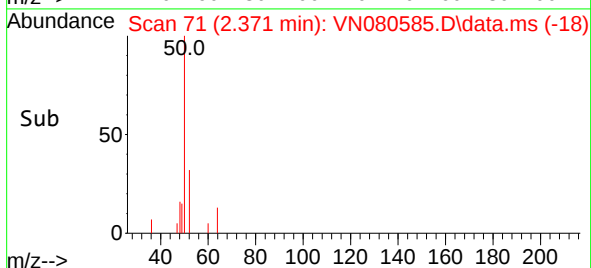
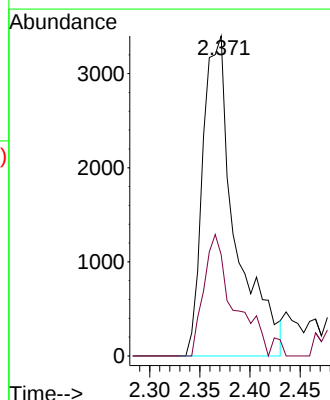
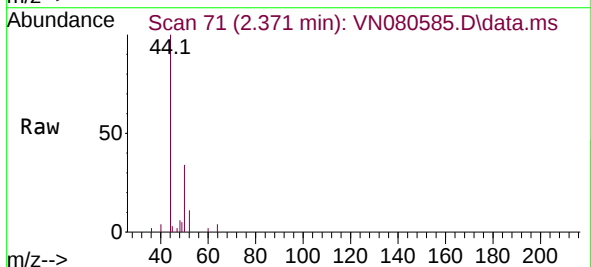
Instrument :
MSVOA_N
ClientSampleId :

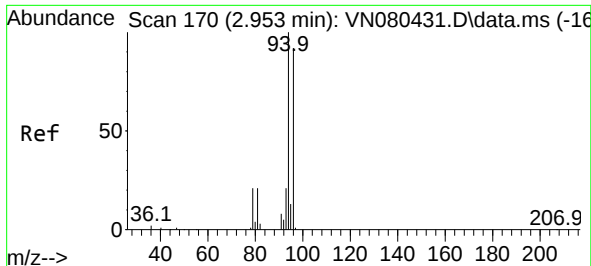
Tgt Ion:168 Resp: 324665
Ion Ratio Lower Upper
168 100
99 62.9 53.0 79.6



#3
Chloromethane
Concen: 1.377 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

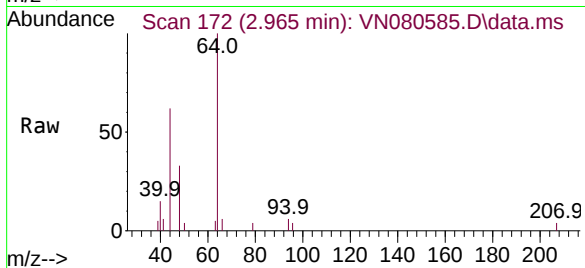
Tgt Ion: 50 Resp: 7664
Ion Ratio Lower Upper
50 100
52 31.6 26.5 39.7



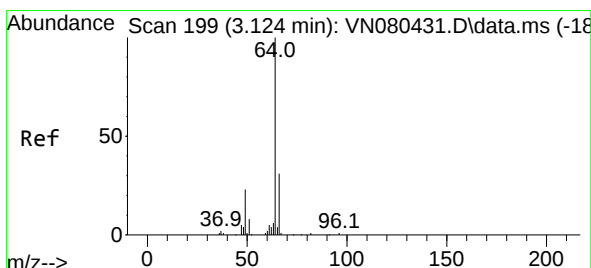
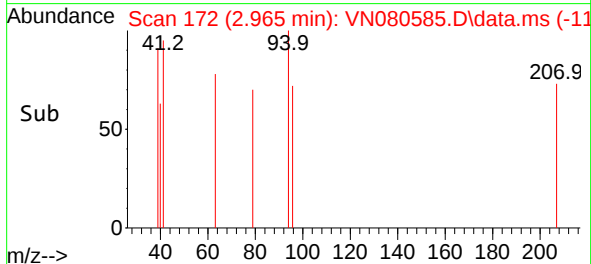
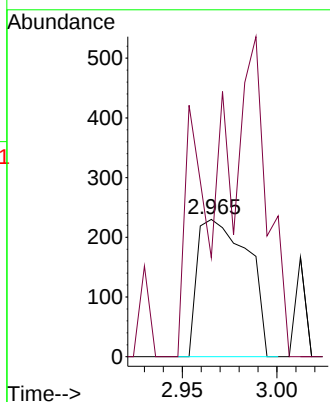


#5
Bromomethane
Concen: 0.266 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

Instrument :
MSVOA_N
ClientSampleId :

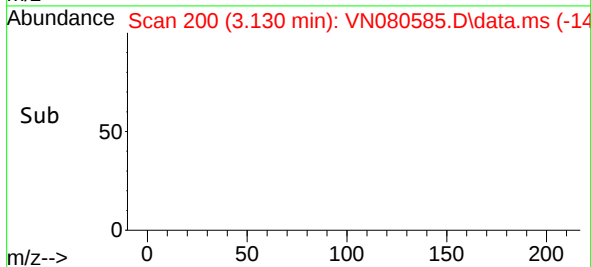
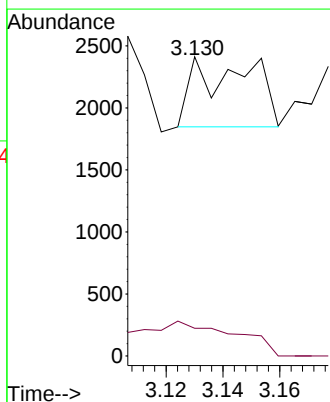
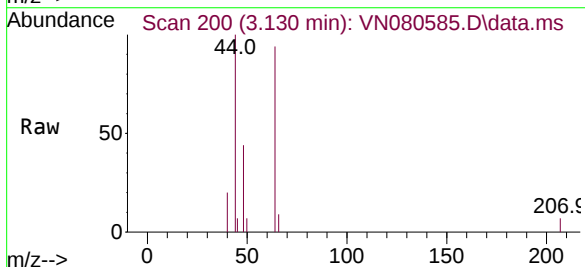


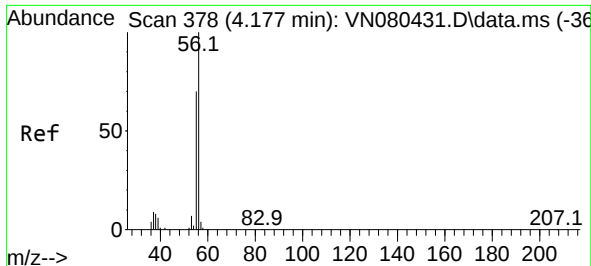
Tgt Ion: 94 Resp: 425
Ion Ratio Lower Upper
94 100
96 72.2 73.1 109.7#



#6
Chloroethane
Concen: 0.344 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

Tgt Ion: 64 Resp: 783
Ion Ratio Lower Upper
64 100
66 39.6 25.4 38.2#

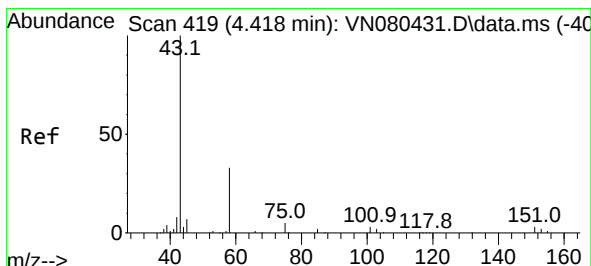
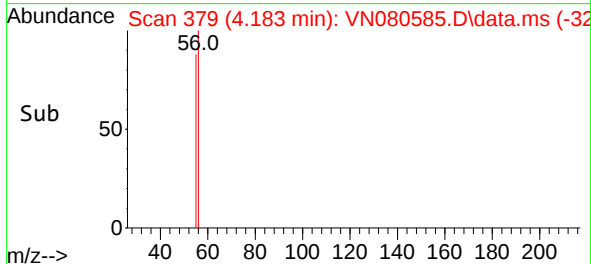
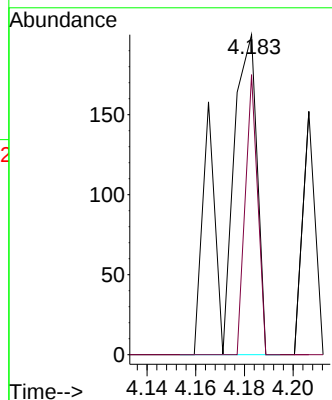
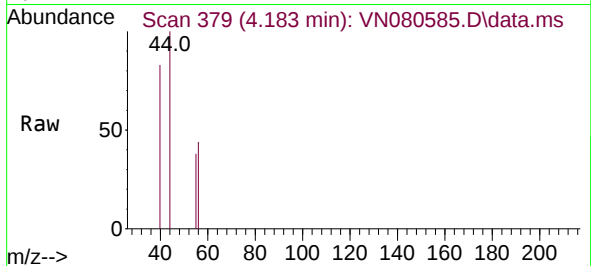




#13
Acrolein
Concen: 0.344 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

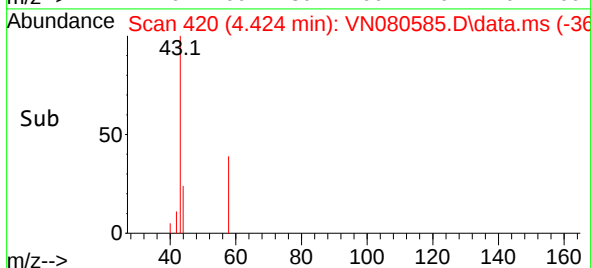
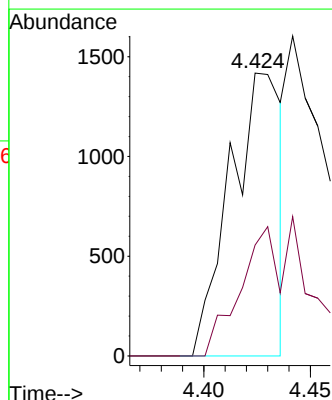
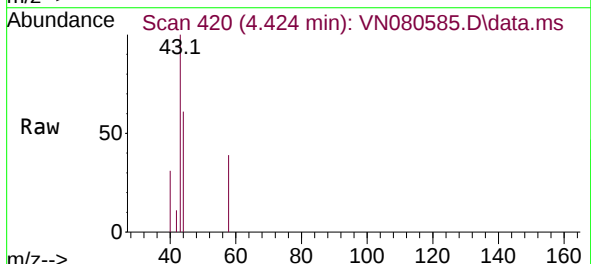
Instrument :
MSVOA_N
ClientSampleId :

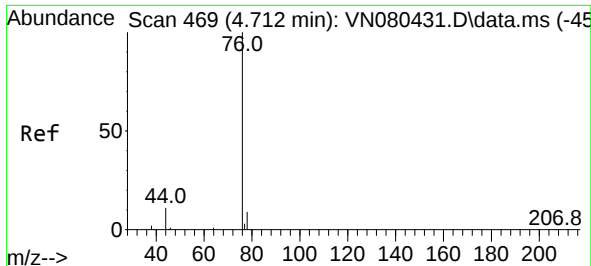
Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 33.7 54.5 81.7#



#16
Acetone
Concen: 3.225 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

Tgt Ion: 43 Resp: 2371
Ion Ratio Lower Upper
43 100
58 39.2 28.0 42.0

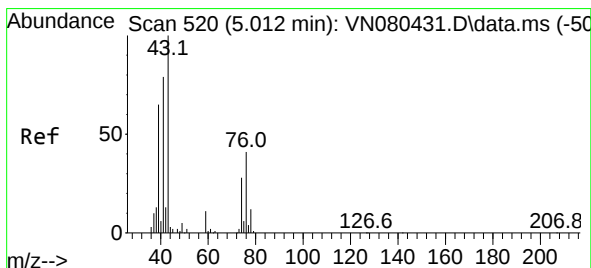
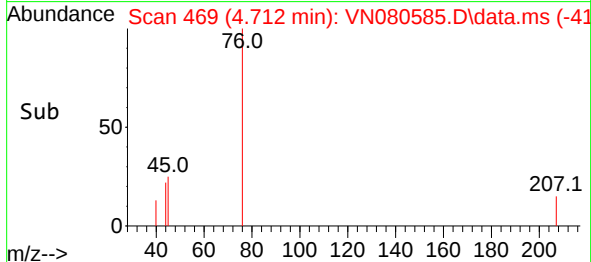
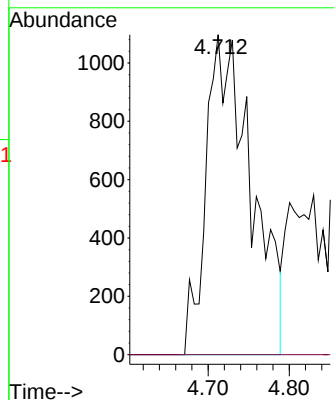
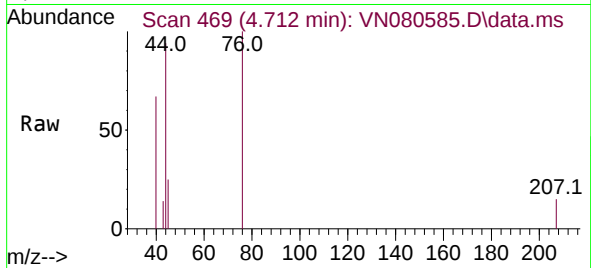




#17
Carbon Disulfide
Concen: 0.429 ug/l
RT: 4.712 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

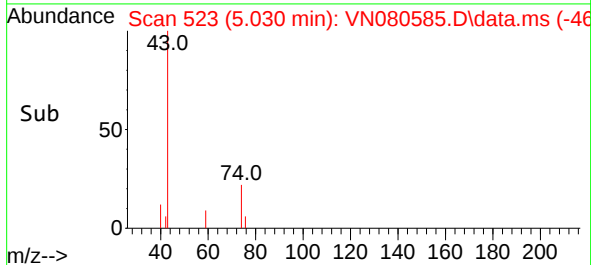
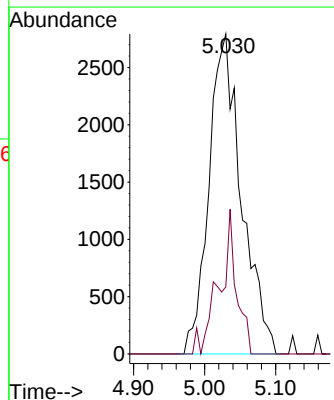
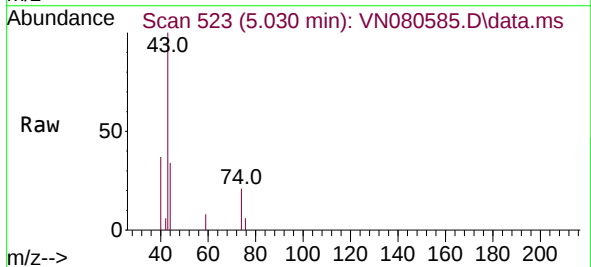
Instrument :
MSVOA_N
ClientSampleId :

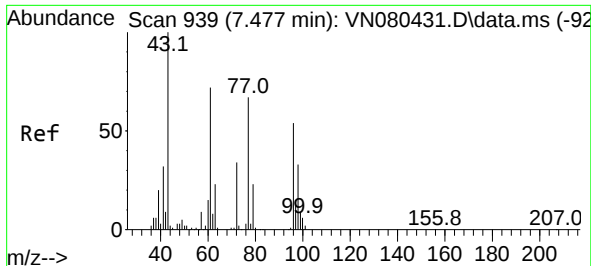
Tgt Ion: 76 Resp: 4245
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 1.879 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.018 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

Tgt Ion: 43 Resp: 8889
Ion Ratio Lower Upper
43 100
74 23.9 26.2 39.4#

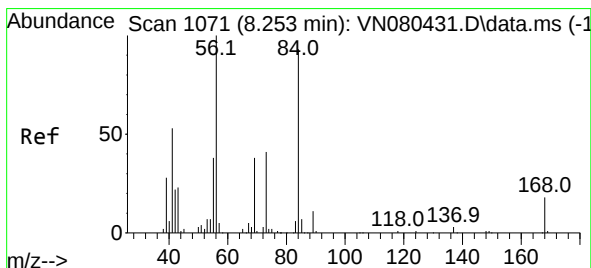
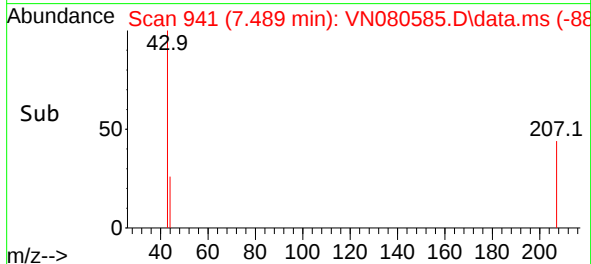
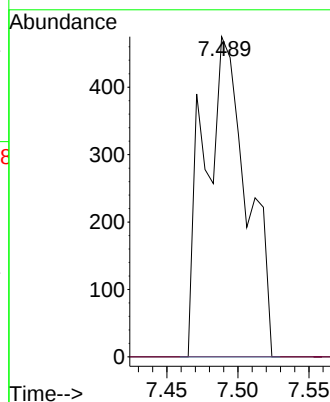
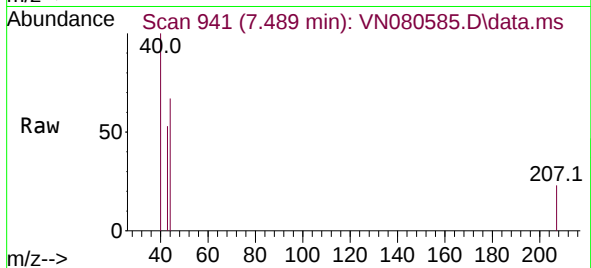




#25
2-Butanone
Concen: 0.704 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

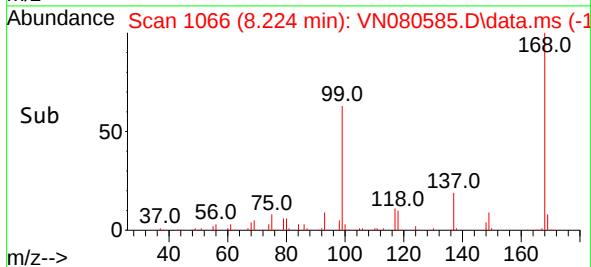
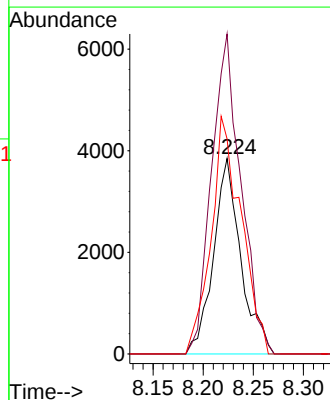
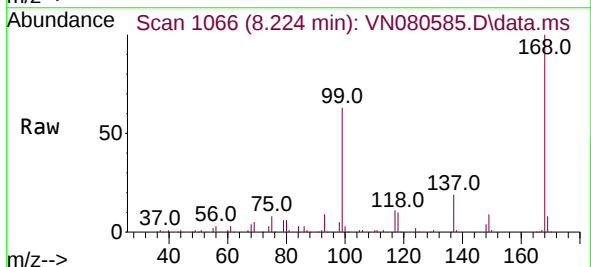
Instrument :
MSVOA_N
ClientSampleId :

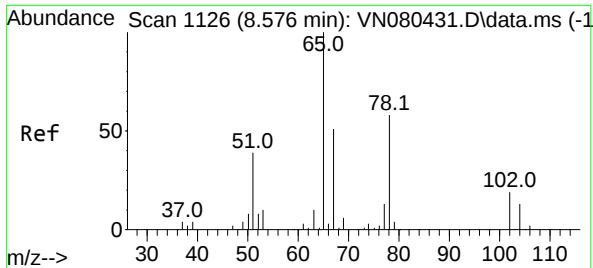
Tgt Ion: 43 Resp: 997
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

Tgt Ion: 56 Resp: 7298
Ion Ratio Lower Upper
56 100
69 163.7 26.8 40.2#
84 110.0 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 58.113 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080585.D

Acq: 21 Dec 2023 19:48

Instrument :

MSVOA_N

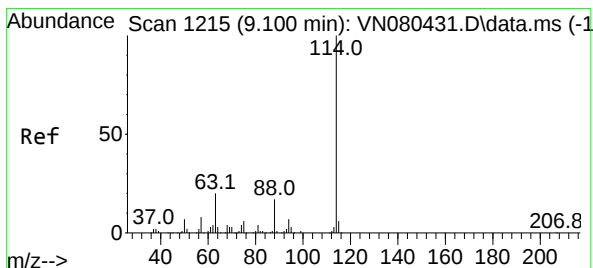
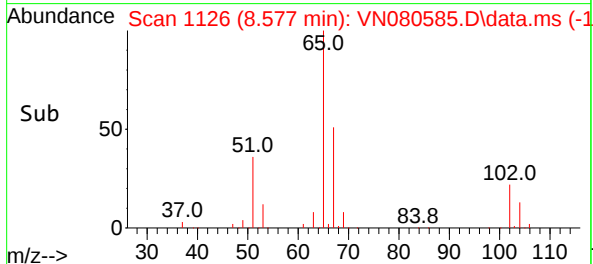
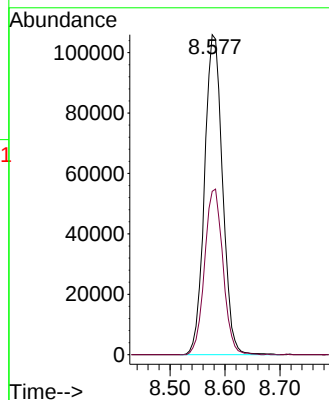
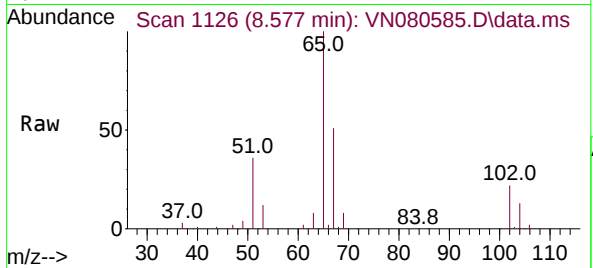
ClientSampleId :

Tgt Ion: 65 Resp: 240980

Ion Ratio Lower Upper

65 100

67 52.7 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: VN080585.D

Acq: 21 Dec 2023 19:48

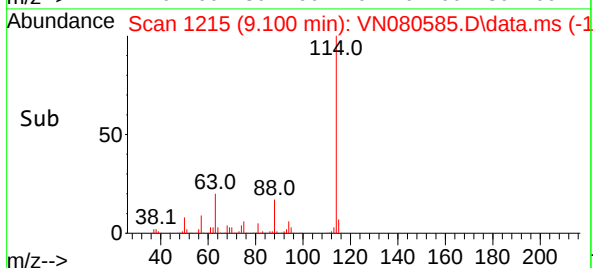
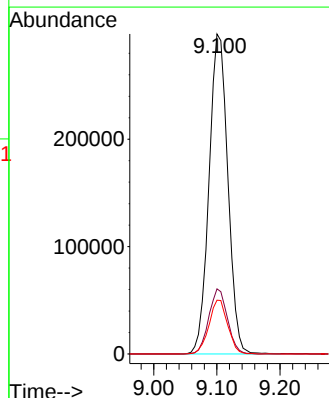
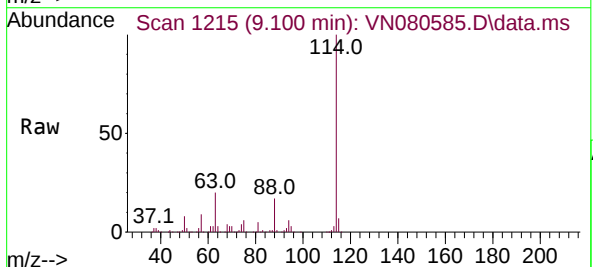
Tgt Ion: 114 Resp: 616956

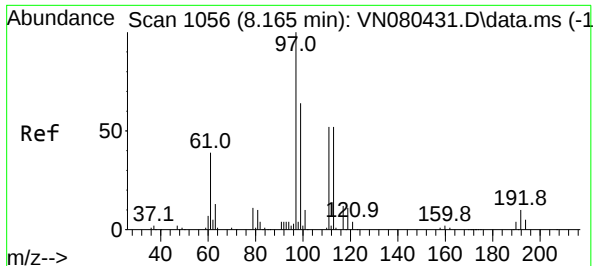
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 16.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 57.560 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

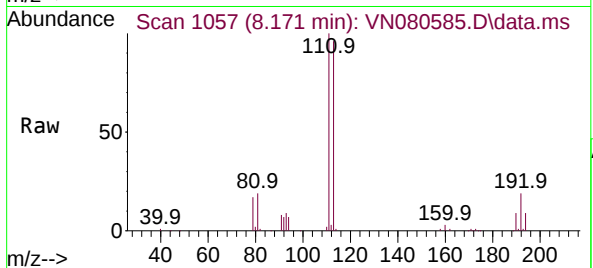
Lab File: VN080585.D

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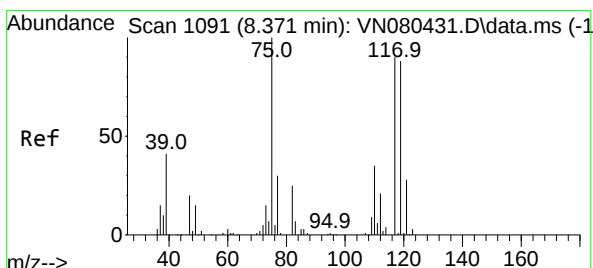
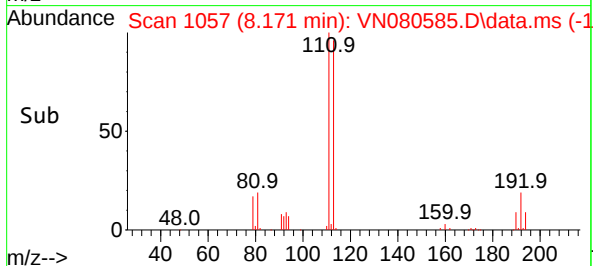
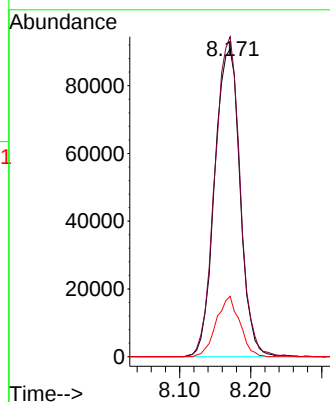
Tgt Ion:113 Resp: 225159

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 18.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 3.952 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN080585.D

Acq: 21 Dec 2023 19:48

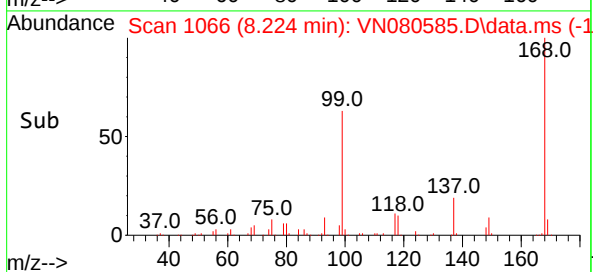
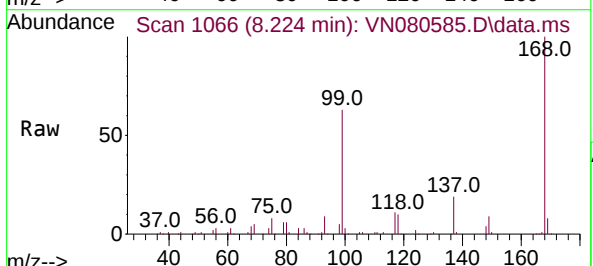
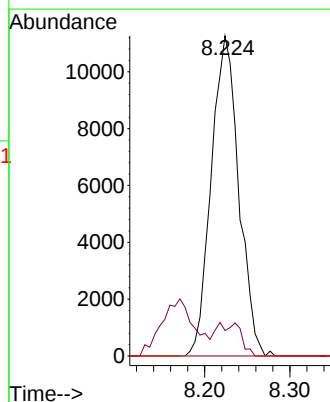
Tgt Ion: 75 Resp: 25278

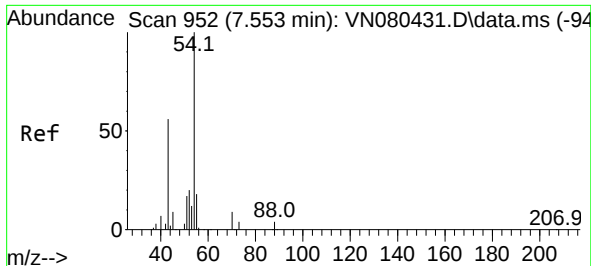
Ion Ratio Lower Upper

75 100

110 1.7 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.249 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.064 min

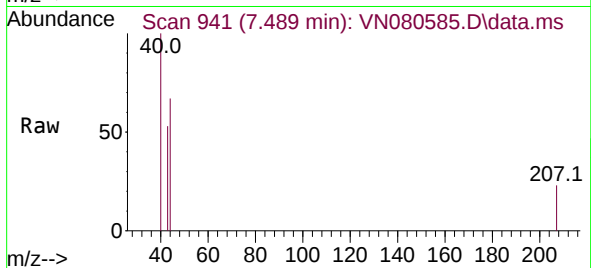
Lab File: VN080585.D

Acq: 21 Dec 2023 19:48

Instrument :

MSVOA_N

ClientSampleId :



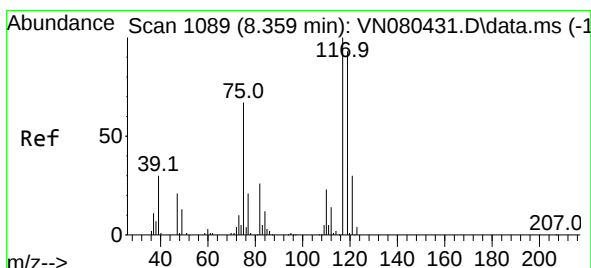
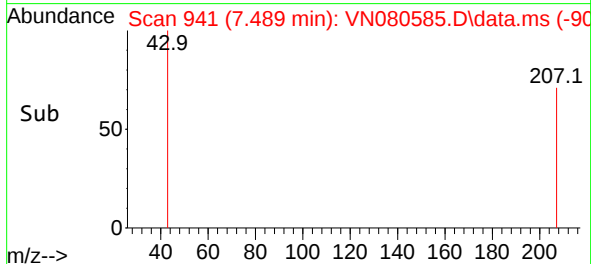
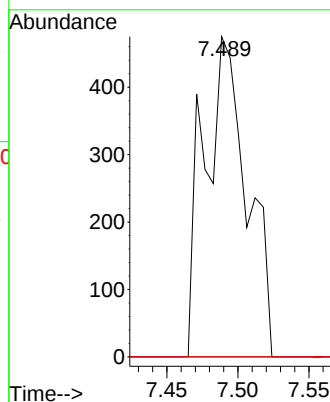
Tgt Ion: 43 Resp: 997

Ion Ratio Lower Upper

43 100

61 0.0 13.2 19.8#

70 0.0 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.637 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN080585.D

Acq: 21 Dec 2023 19:48

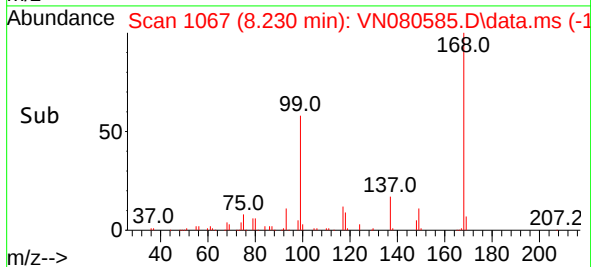
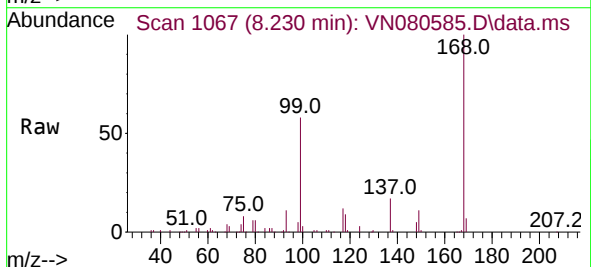
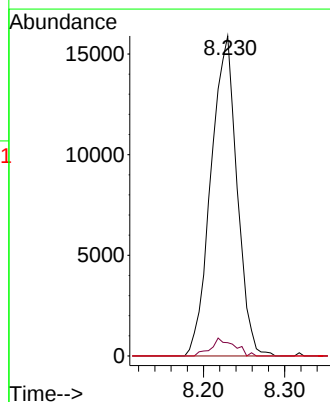
Tgt Ion: 117 Resp: 35438

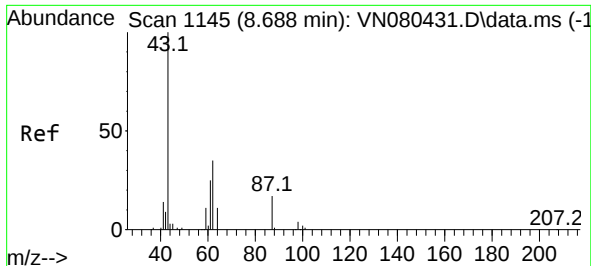
Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#





#43

Isopropyl Acetate

Concen: 0.249 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

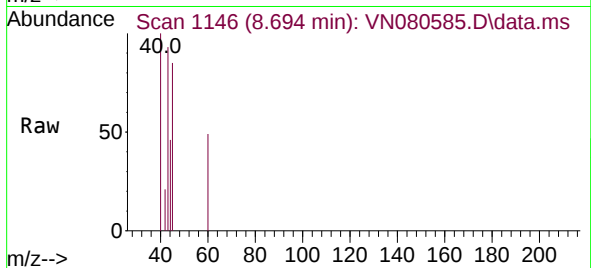
Lab File: VN080585.D

Acq: 21 Dec 2023 19:48

Instrument :

MSVOA_N

ClientSampleId :



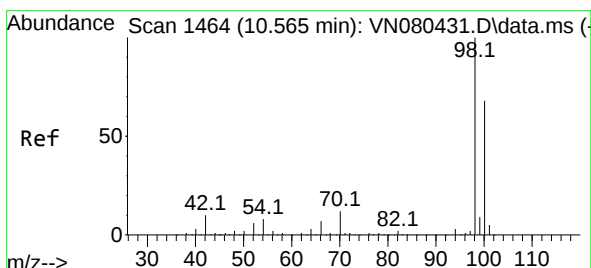
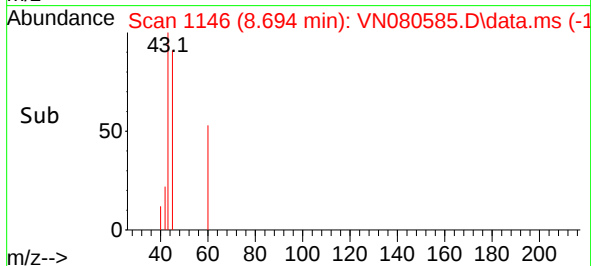
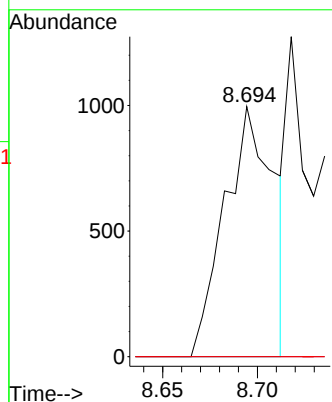
Tgt Ion: 43 Resp: 1794

Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#



#50

Toluene-d8

Concen: 43.065 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080585.D

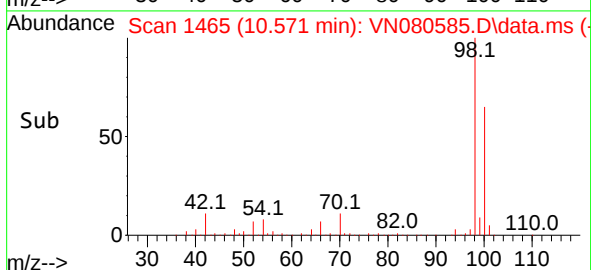
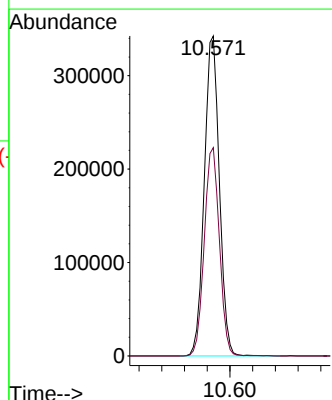
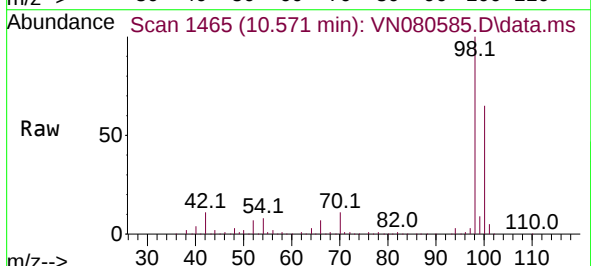
Acq: 21 Dec 2023 19:48

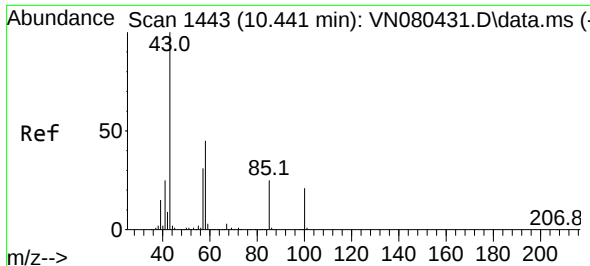
Tgt Ion: 98 Resp: 628272

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.646 ug/l

RT: 10.565 min Scan# 1443

Delta R.T. 0.124 min

Lab File: VN080585.D

Acq: 21 Dec 2023 19:48

Instrument :

MSVOA_N

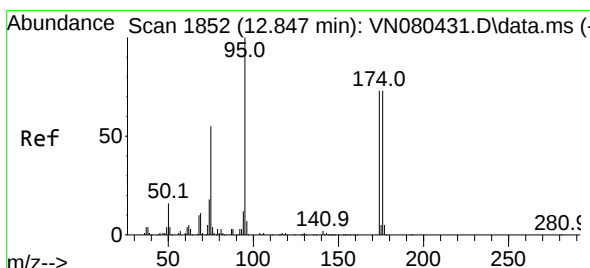
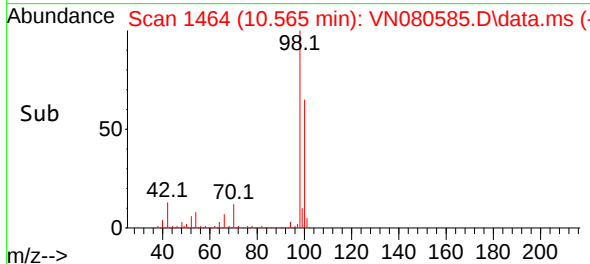
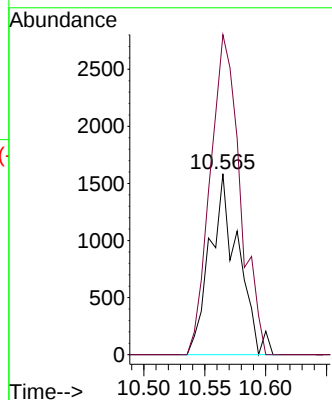
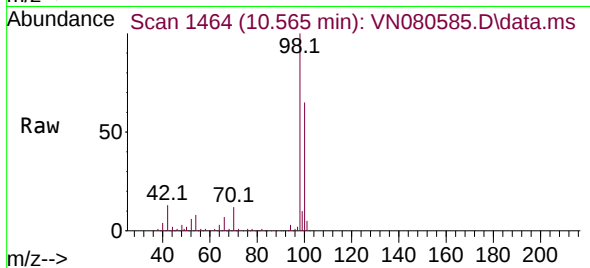
ClientSampleId :

Tgt Ion: 43 Resp: 2563

Ion Ratio Lower Upper

43 100

58 186.9 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 58.493 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN080585.D

Acq: 21 Dec 2023 19:48

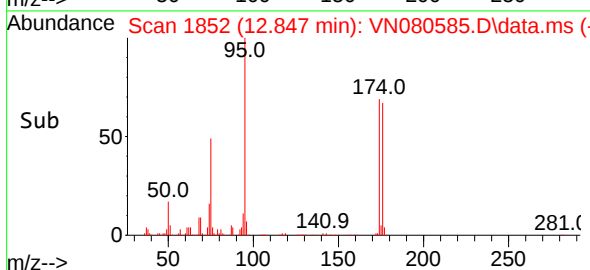
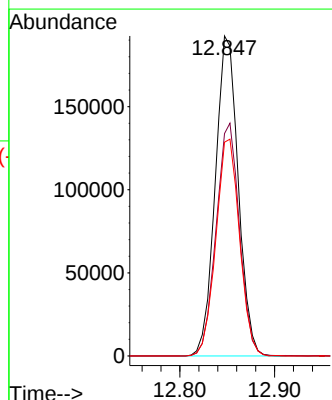
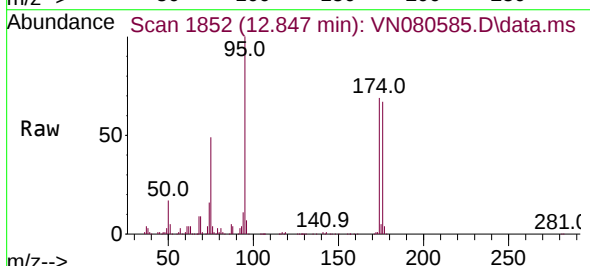
Tgt Ion: 95 Resp: 324038

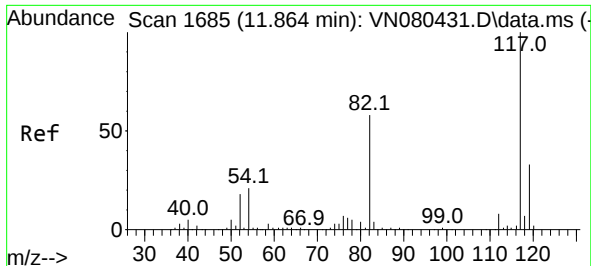
Ion Ratio Lower Upper

95 100

174 74.0 0.0 143.8

176 69.9 0.0 135.8

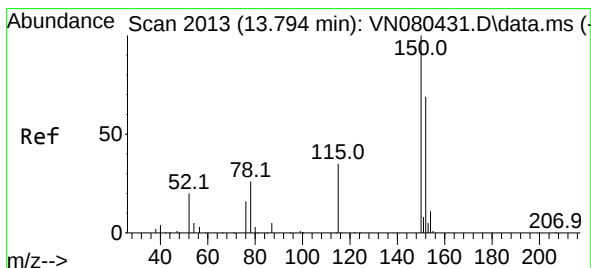
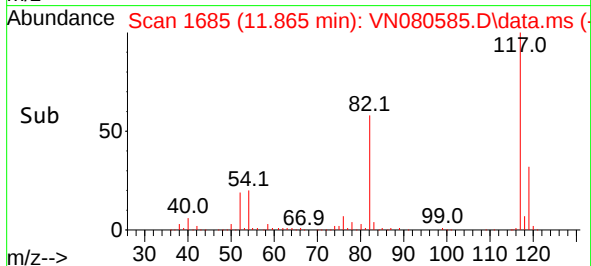
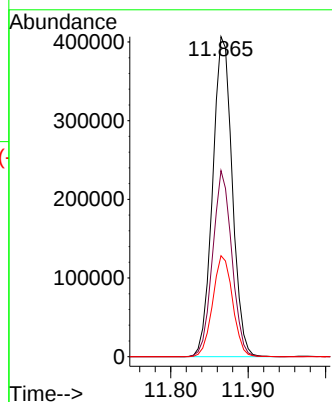
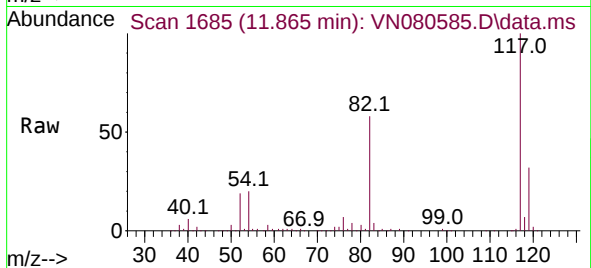




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

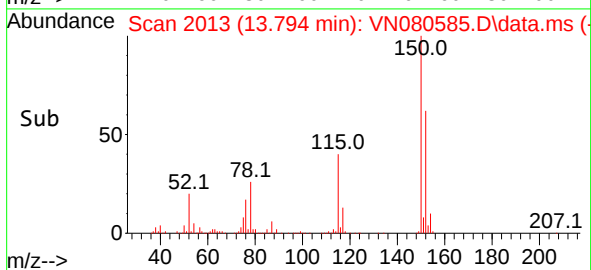
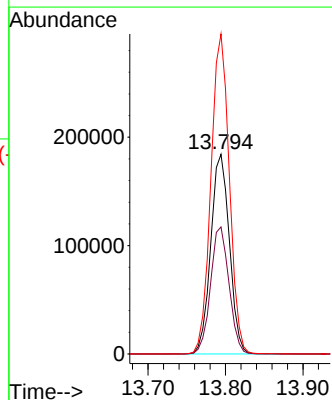
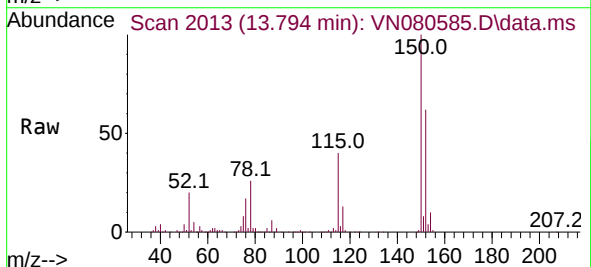
Instrument :
MSVOA_N
ClientSampleId :

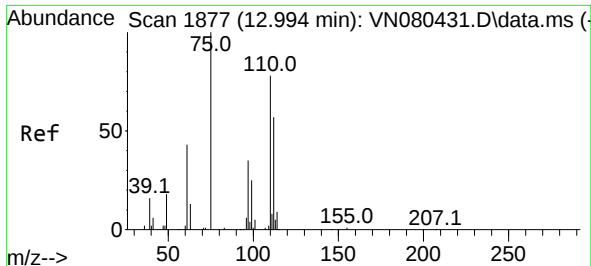
Tgt Ion:117 Resp: 714258
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

Tgt Ion:152 Resp: 307899
Ion Ratio Lower Upper
152 100
115 63.0 32.3 96.8
150 158.0 0.0 355.8

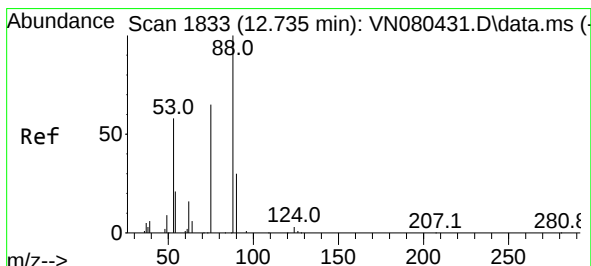
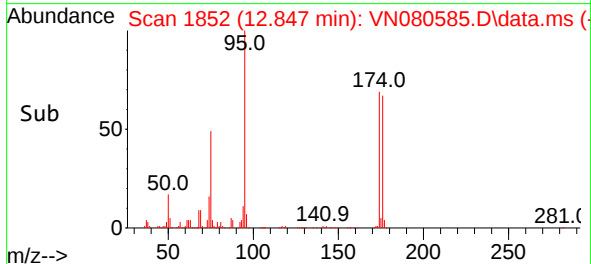
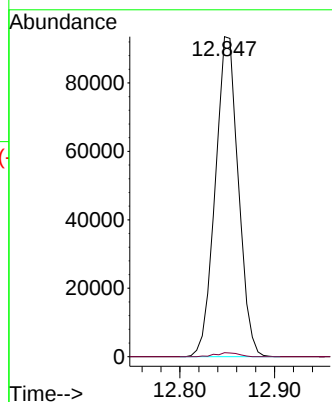
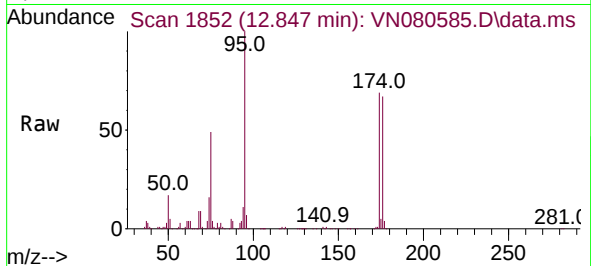




#76
1,2,3-Trichloropropane
Concen: 25.801 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 158482
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.743 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080585.D
Acq: 21 Dec 2023 19:48

Tgt Ion: 75 Resp: 158482
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

