

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122123\
 Data File : VN080579.D
 Acq On : 21 Dec 2023 17:26
 Operator : JC\MD
 Sample : 05926-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 22 04:04:14 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

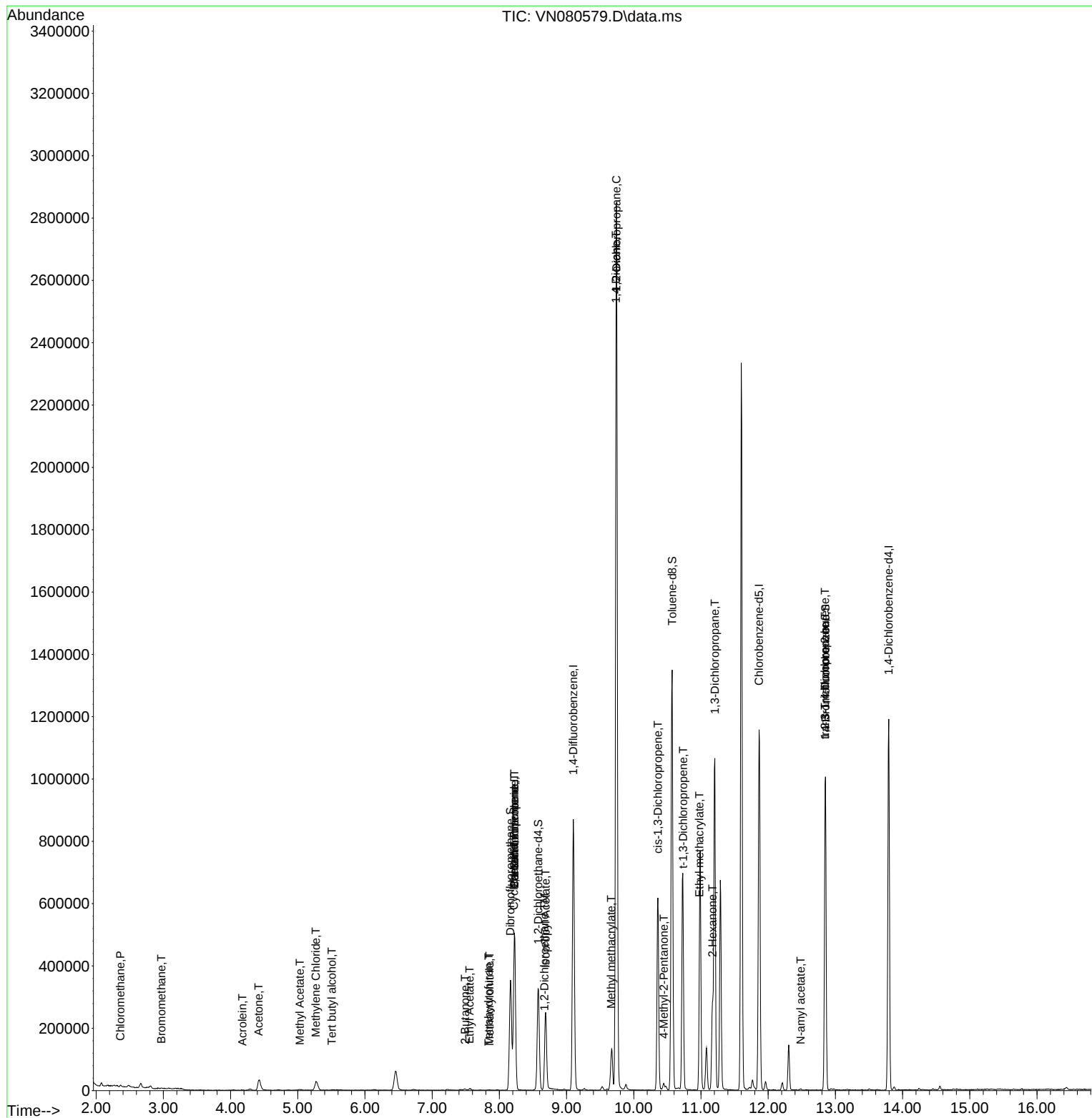
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	374389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	752752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	694624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	330953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	273365	57.168	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.340%	
35) Dibromofluoromethane	8.165	113	252242	52.851	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.700%	
50) Toluene-d8	10.570	98	940527	52.839	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.680%	
62) 4-Bromofluorobenzene	12.853	95	365265	54.041	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.080%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	8373	1.283	ug/l	97
5) Bromomethane	2.971	94	970	0.527	ug/l	90
11) Tert butyl alcohol	5.506	59	461	0.819	ug/l #	72
13) Acrolein	4.177	56	843	1.367	ug/l #	75
16) Acetone	4.418	43	64122	75.627	ug/l	95
18) Methyl Acetate	5.030	43	4995	0.916	ug/l #	57
20) Methylene Chloride	5.271	84	22456	4.949	ug/l	90
25) 2-Butanone	7.488	43	6704	4.104	ug/l #	82
29) Tetrahydrofuran	7.841	42	968	0.828	ug/l #	40
31) Cyclohexane	8.218	56	6749	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	29165	3.737	ug/l #	48
37) Ethyl Acetate	7.559	43	7140	1.461	ug/l #	88
38) Carbon Tetrachloride	8.224	117	39899	4.279	ug/l #	16
41) Methacrylonitrile	7.853	41	657	0.233	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	1931	0.231	ug/l #	73
43) Isopropyl Acetate	8.688	43	283536	32.270	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	3758	0.710	ug/l #	45
48) Methyl methacrylate	9.665	41	7658	1.461	ug/l #	25
49) 1,4-Dioxane	9.735	88	369	4.643	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	13425	2.774	ug/l	95
53) t-1,3-Dichloropropene	10.735	75	2009	0.228	ug/l #	66
54) cis-1,3-Dichloropropene	10.359	75	120760	12.819	ug/l #	64
56) Ethyl methacrylate	10.976	69	3293	0.581	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11995	1.336	ug/l #	42
59) 2-Hexanone	11.170	43	216474	60.596	ug/l #	19
74) N-amyl acetate	12.482	43	1680	0.216	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	184531	27.949	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	184531	73.383	ug/l #	15

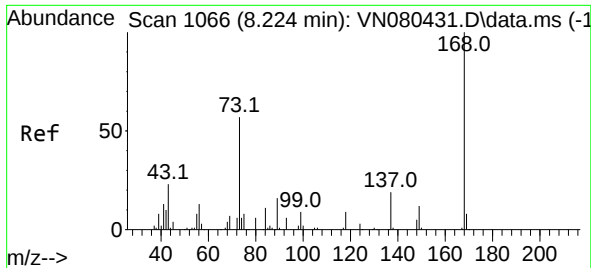
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 04:04:14 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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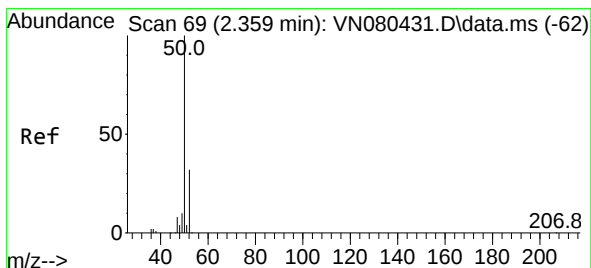
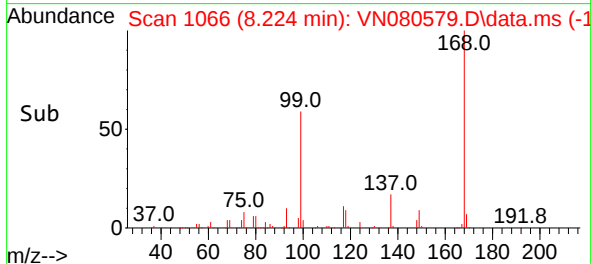
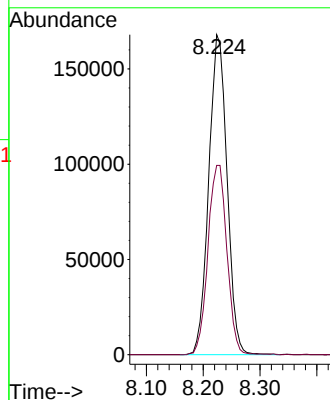
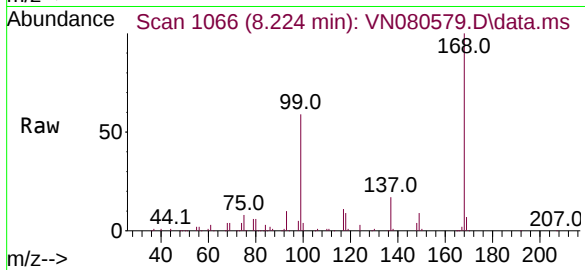




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

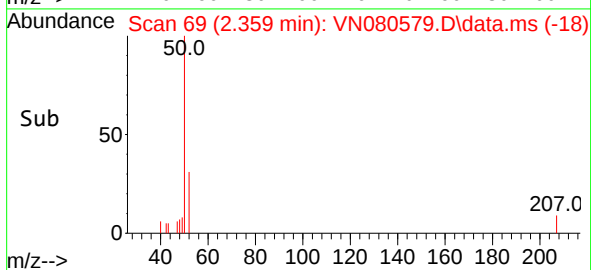
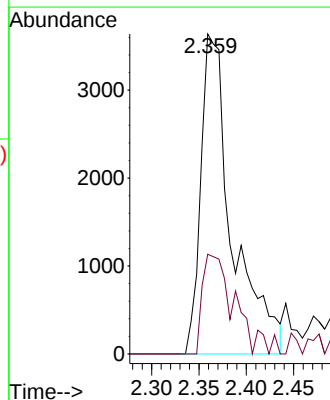
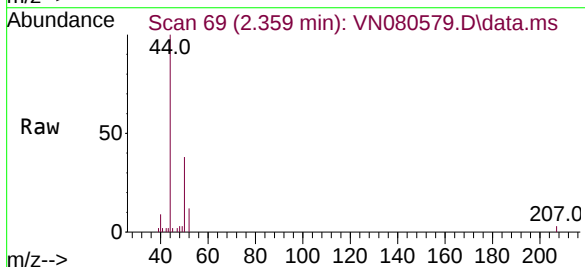
Instrument :
MSVOA_N
ClientSampleId :

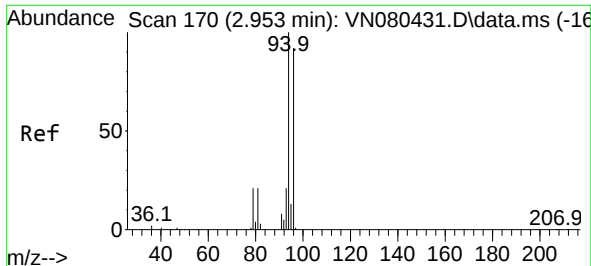
Tgt Ion:168 Resp: 374389
Ion Ratio Lower Upper
168 100
99 59.1 53.0 79.6



#3
Chloromethane
Concen: 1.283 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

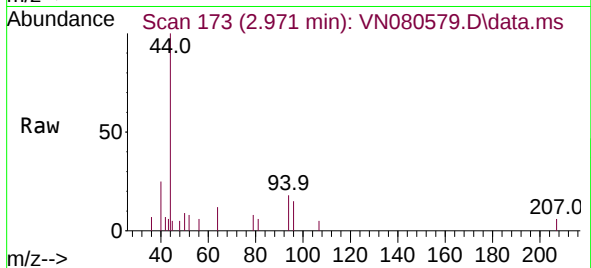
Tgt Ion: 50 Resp: 8373
Ion Ratio Lower Upper
50 100
52 31.1 26.5 39.7



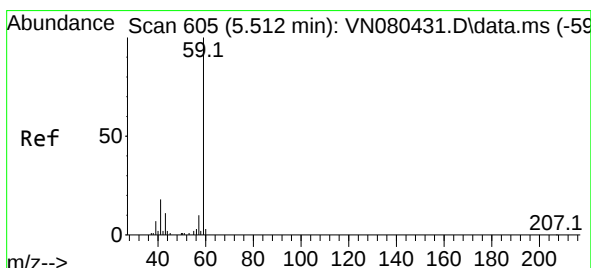
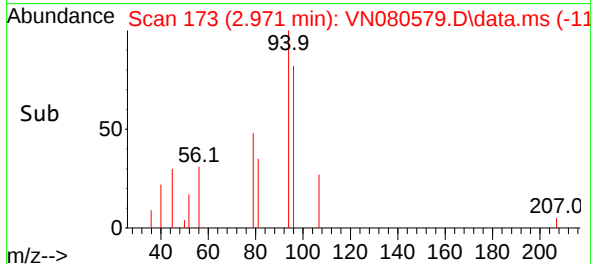
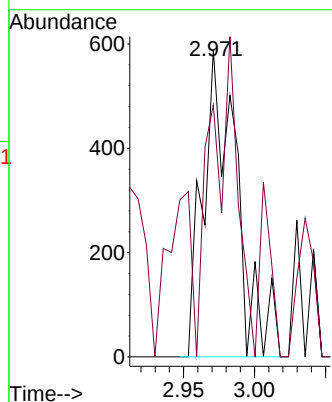


#5
Bromomethane
Concen: 0.527 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :

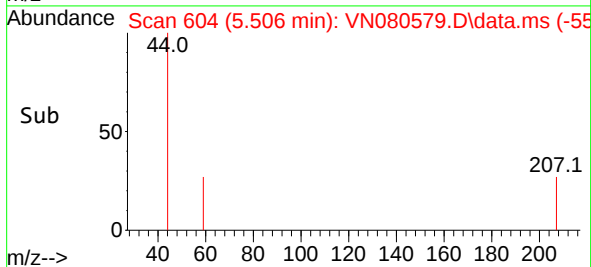
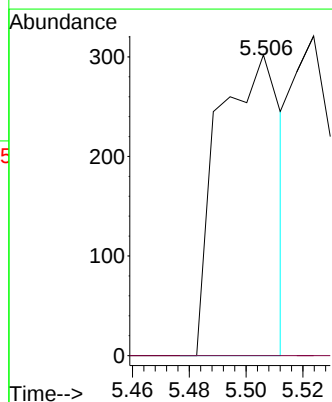
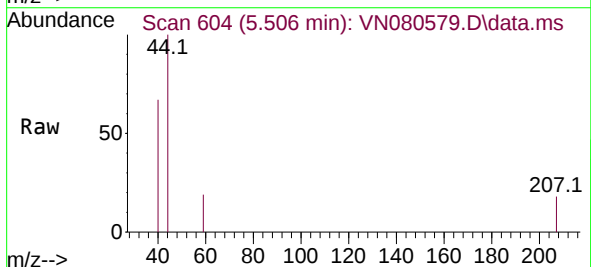


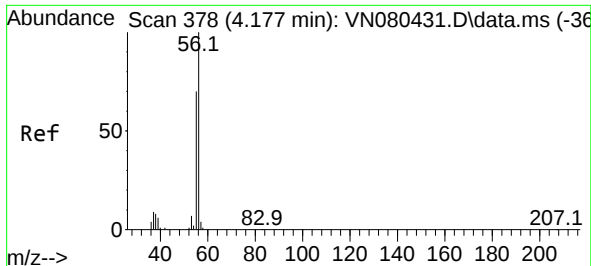
Tgt Ion: 94 Resp: 970
Ion Ratio Lower Upper
94 100
96 82.0 73.1 109.7



#11
Tert butyl alcohol
Concen: 0.819 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.006 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

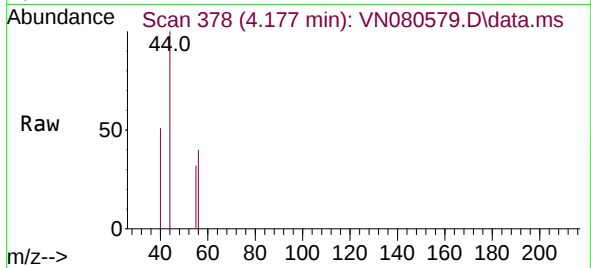
Tgt Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



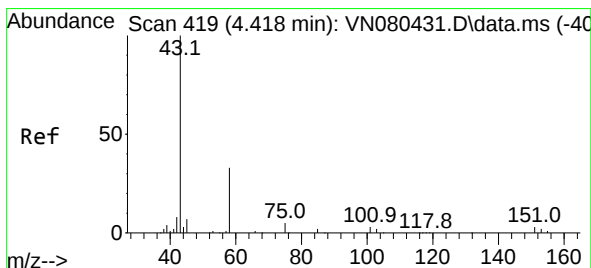
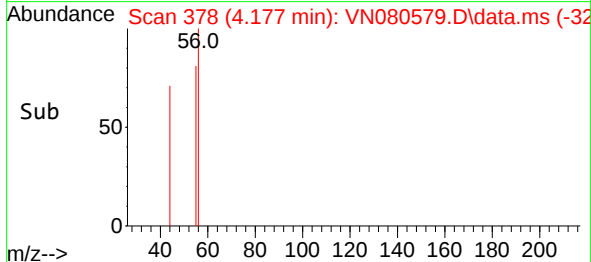
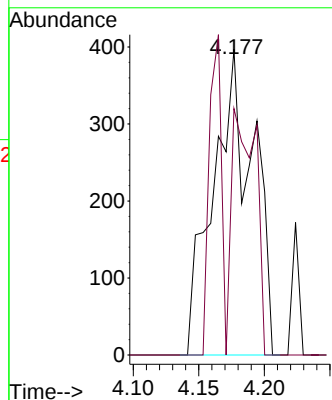


#13
Acrolein
Concen: 1.367 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :

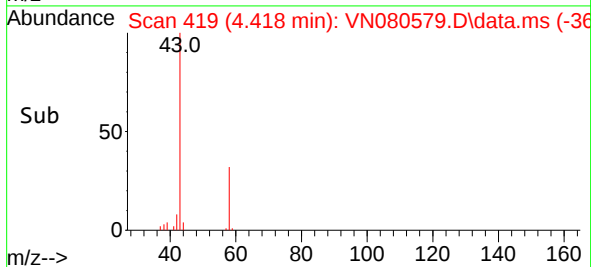
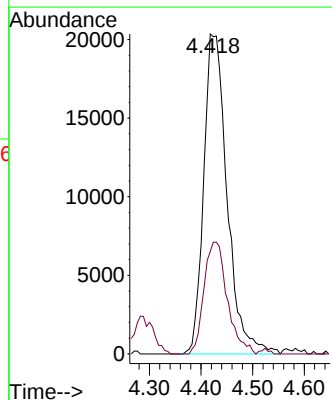
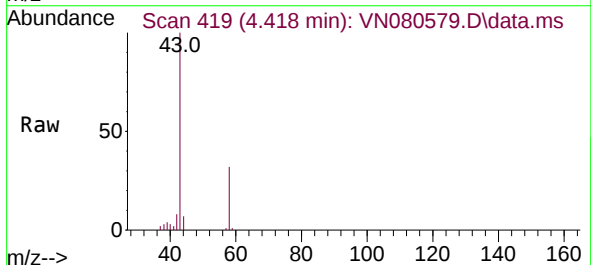


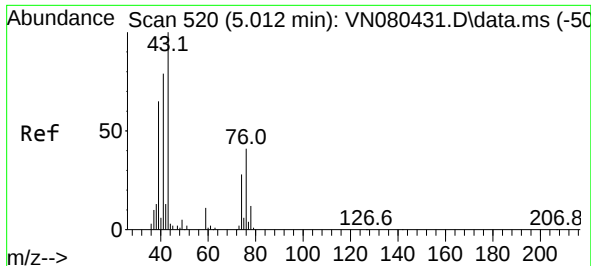
Tgt Ion: 56 Resp: 843
Ion Ratio Lower Upper
56 100
55 48.2 54.5 81.7#



#16
Acetone
Concen: 75.627 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

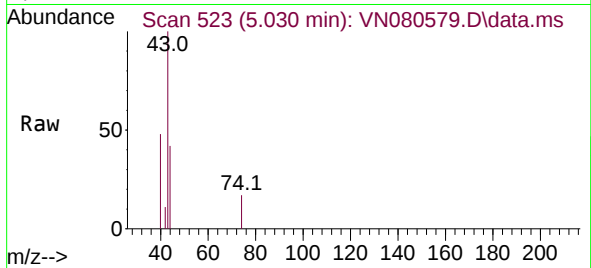
Tgt Ion: 43 Resp: 64122
Ion Ratio Lower Upper
43 100
58 32.0 28.0 42.0



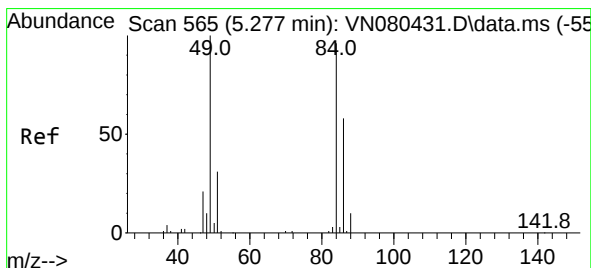
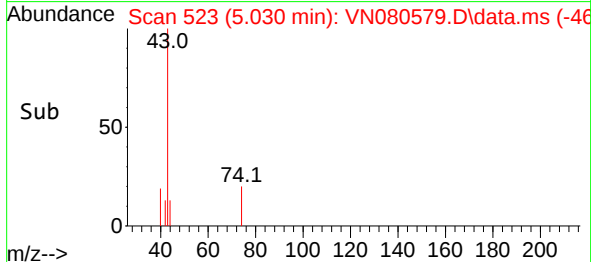
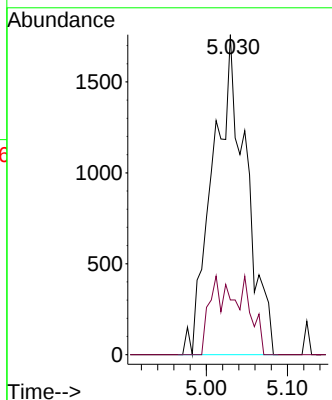


#18
Methyl Acetate
Concen: 0.916 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :

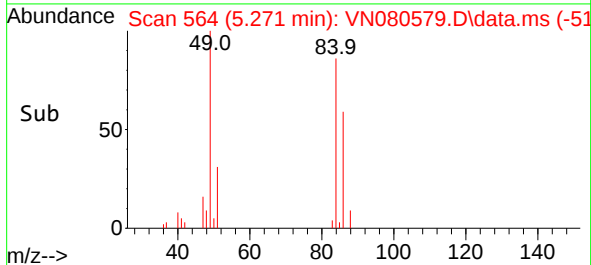
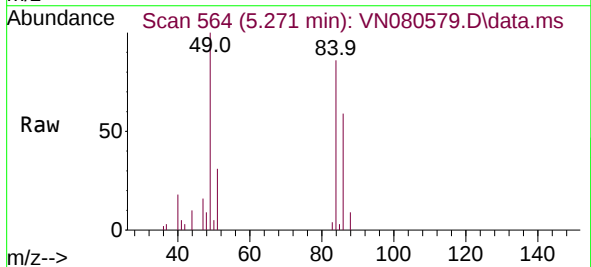
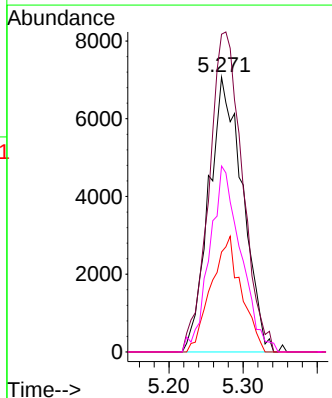


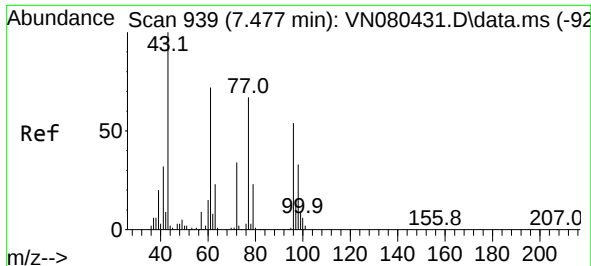
Tgt Ion: 43 Resp: 4995
Ion Ratio Lower Upper
43 100
74 8.7 26.2 39.4#



#20
Methylene Chloride
Concen: 4.949 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

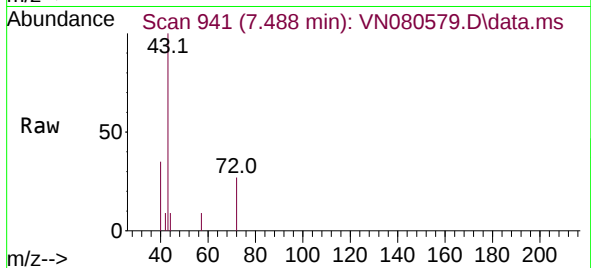
Tgt Ion: 84 Resp: 22456
Ion Ratio Lower Upper
84 100
49 115.6 79.7 119.5
51 36.4 25.2 37.8
86 67.7 53.3 79.9



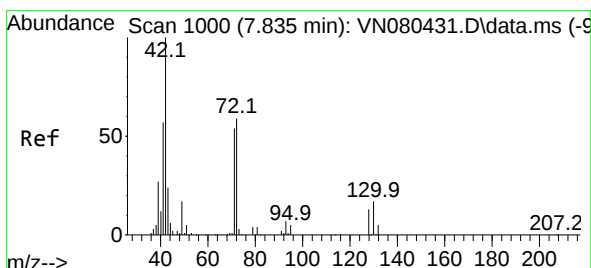
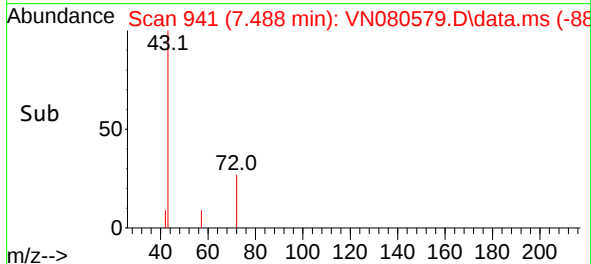
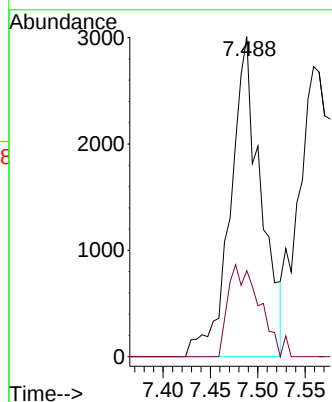


#25
2-Butanone
Concen: 4.104 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :

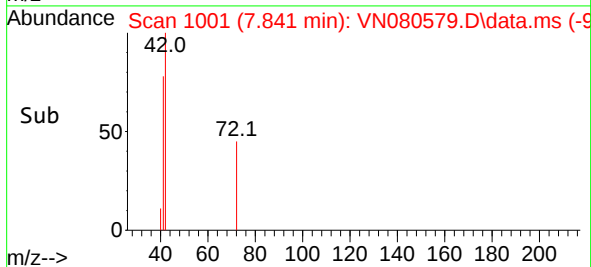
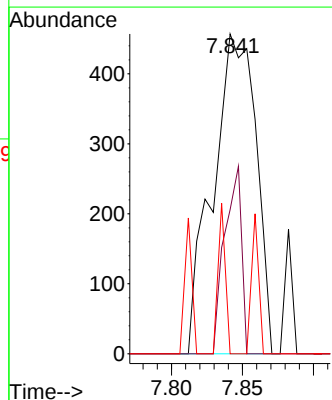
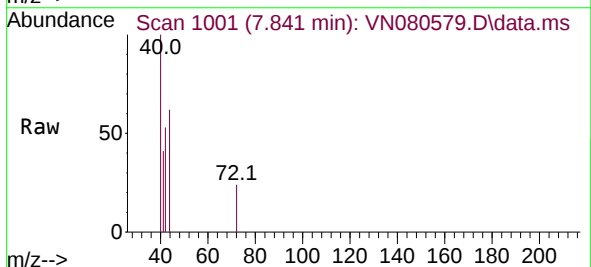


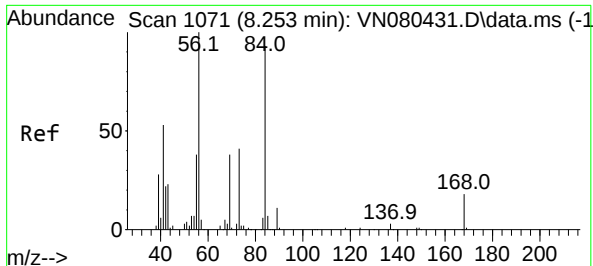
Tgt Ion: 43 Resp: 6704
Ion Ratio Lower Upper
43 100
72 26.9 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.828 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

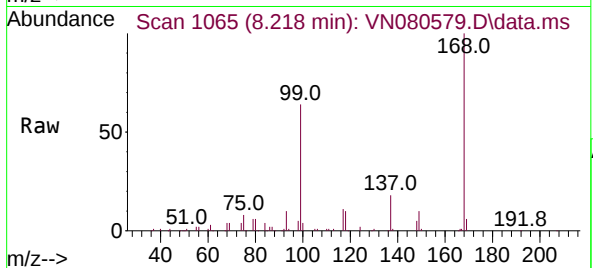
Tgt Ion: 42 Resp: 968
Ion Ratio Lower Upper
42 100
72 22.8 49.8 74.6#
71 7.9 47.4 71.2#



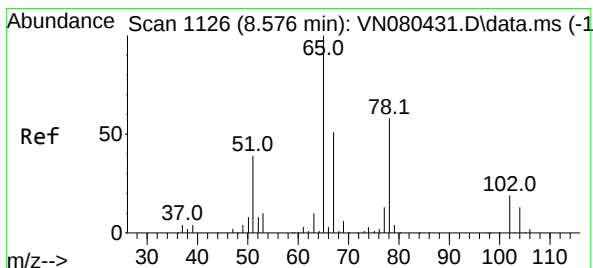
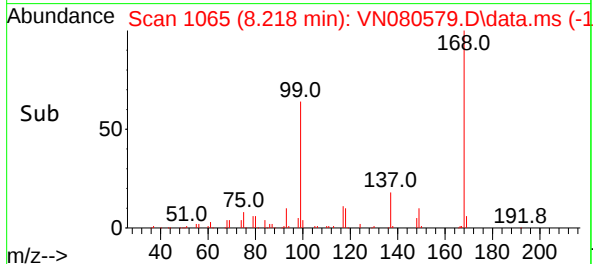
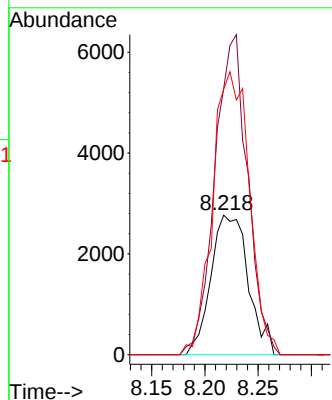


#31
Cyclohexane
Concen: 1.038 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

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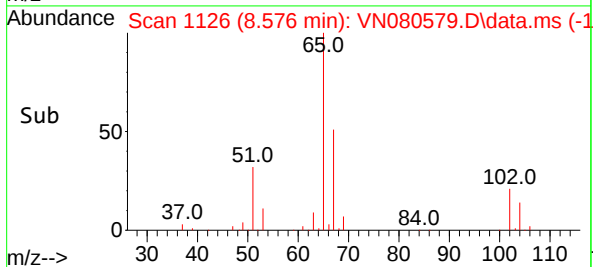
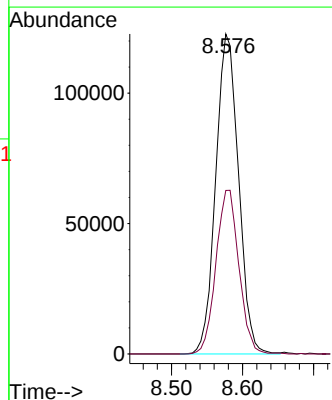
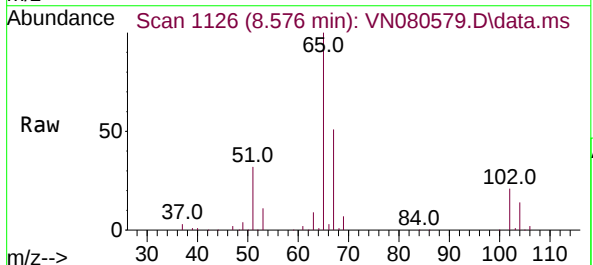


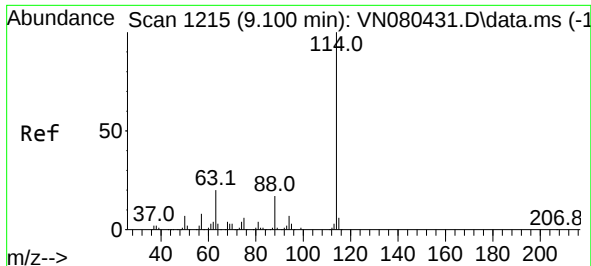
Tgt Ion: 56 Resp: 6749
Ion Ratio Lower Upper
56 100
69 190.9 26.8 40.2#
84 205.8 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 57.168 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Tgt Ion: 65 Resp: 273365
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080579.D

Acq: 21 Dec 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

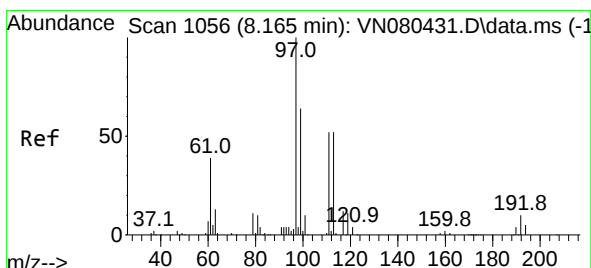
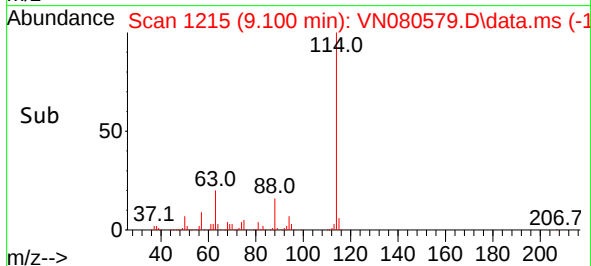
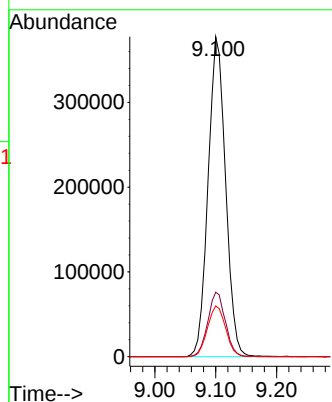
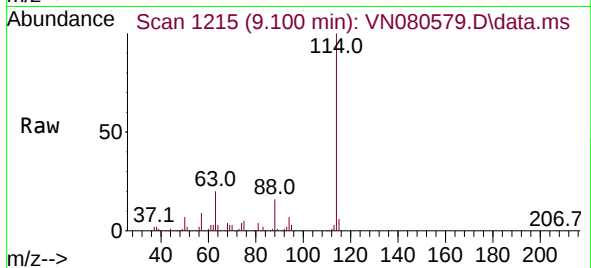
Tgt Ion:114 Resp: 752752

Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.851 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080579.D

Acq: 21 Dec 2023 17:26

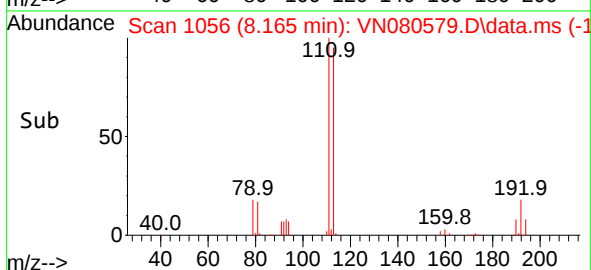
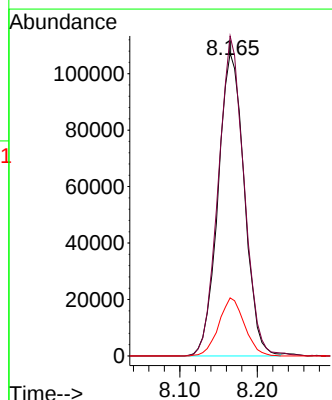
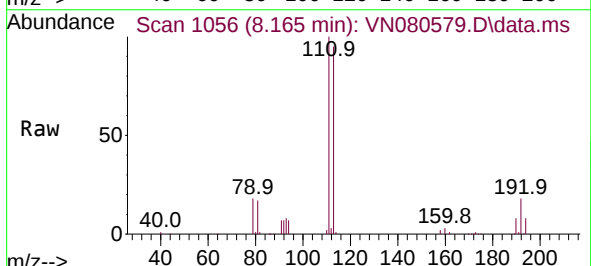
Tgt Ion:113 Resp: 252242

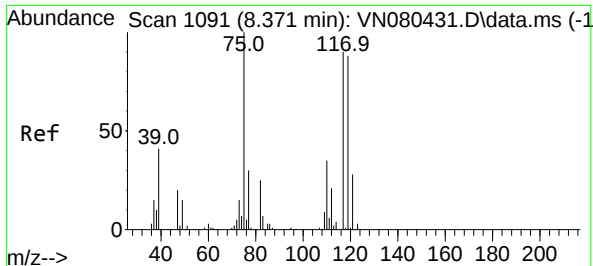
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 3.737 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

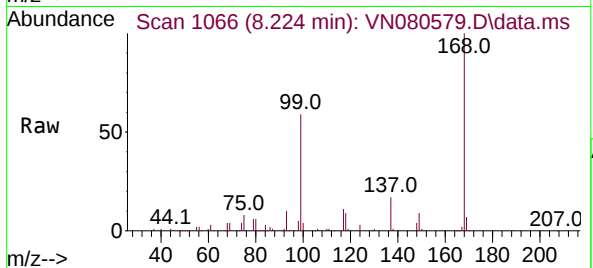
Lab File: VN080579.D

Acq: 21 Dec 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :



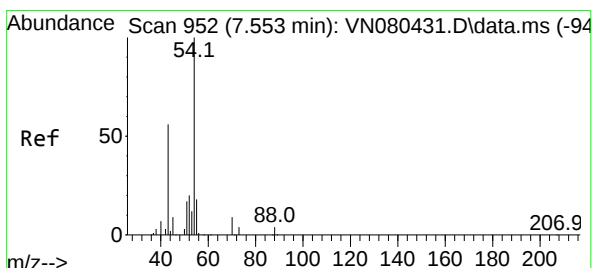
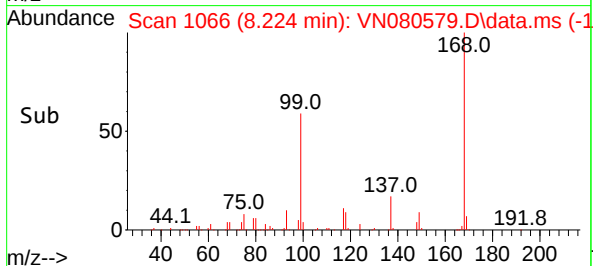
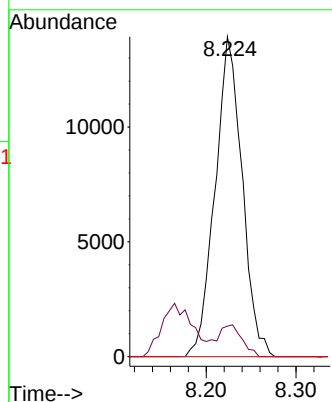
Tgt Ion: 75 Resp: 29165

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.461 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN080579.D

Acq: 21 Dec 2023 17:26

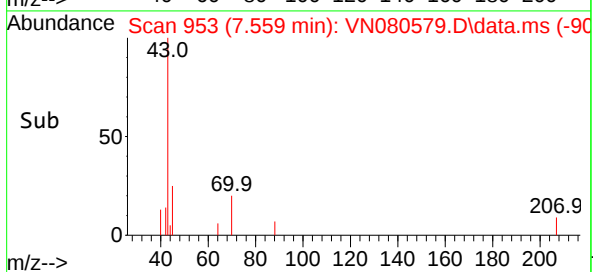
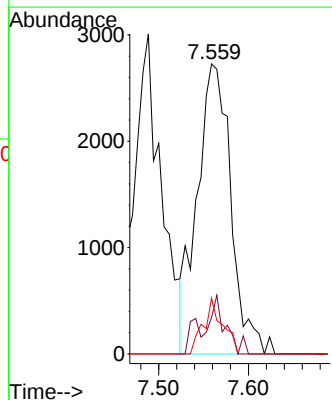
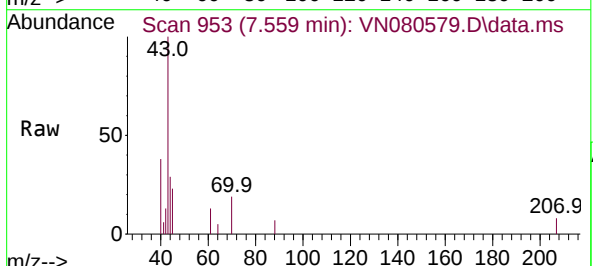
Tgt Ion: 43 Resp: 7140

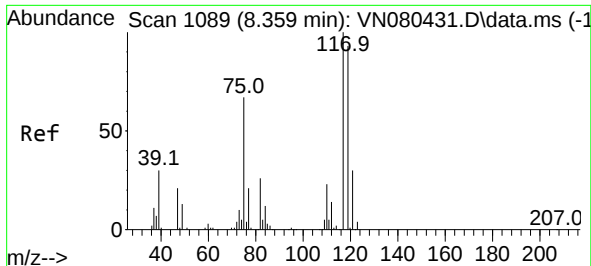
Ion Ratio Lower Upper

43 100

61 9.5 13.2 19.8#

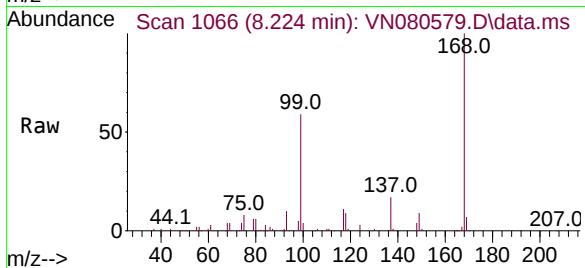
70 11.0 11.3 16.9#



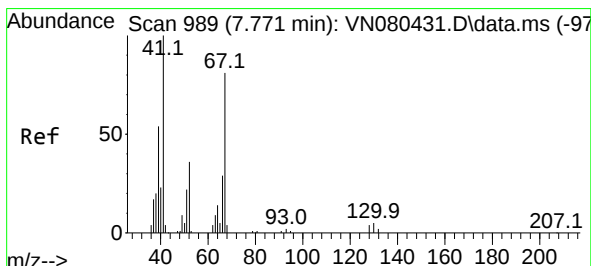
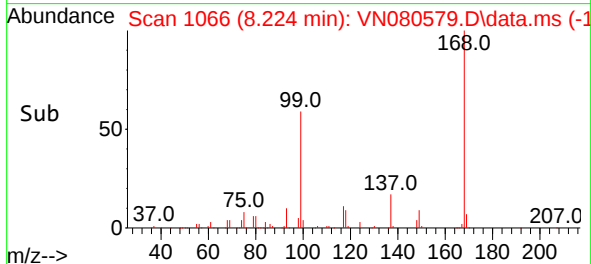
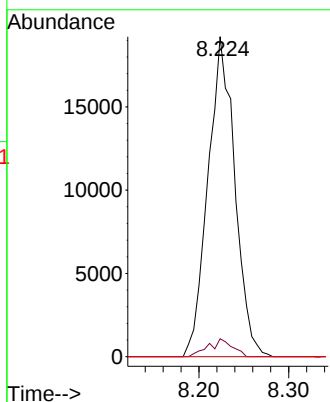


#38
Carbon Tetrachloride
Concen: 4.279 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :

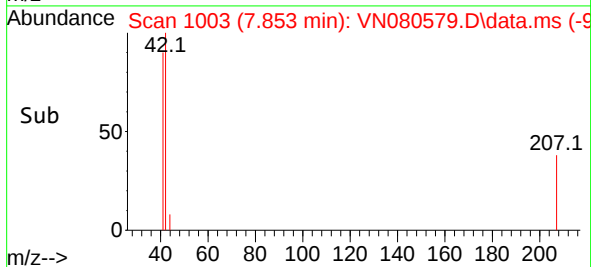
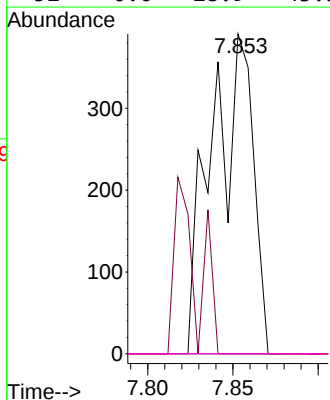
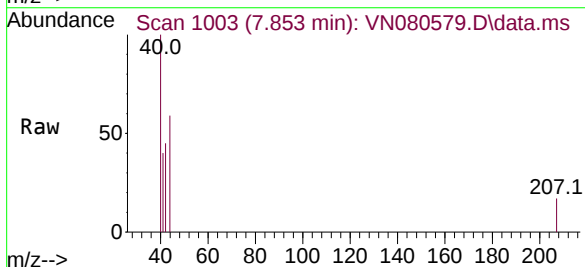


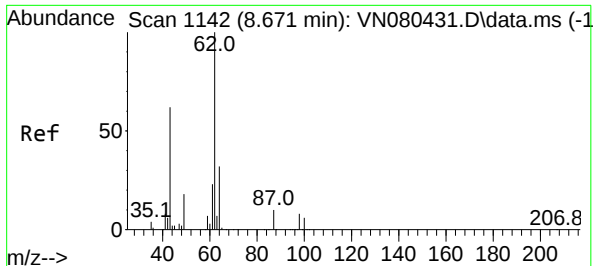
Tgt Ion:117 Resp: 39899
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.233 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.082 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Tgt Ion: 41 Resp: 657
Ion Ratio Lower Upper
41 100
39 0.0 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#





#42

1,2-Dichloroethane

Concen: 0.231 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN080579.D

Acq: 21 Dec 2023 17:26

Instrument :

MSVOA_N

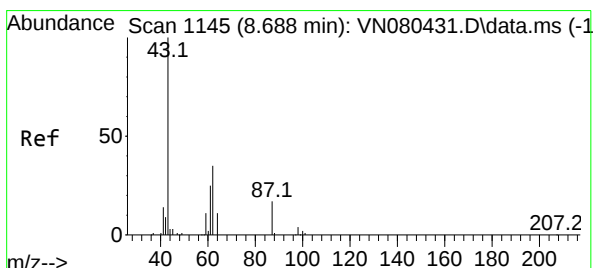
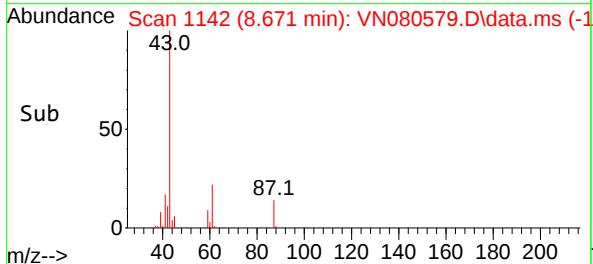
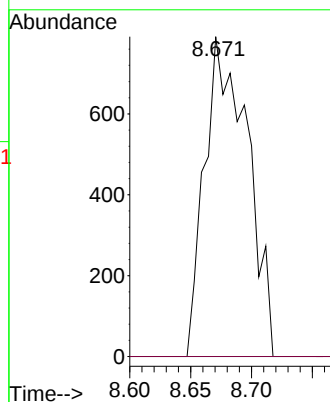
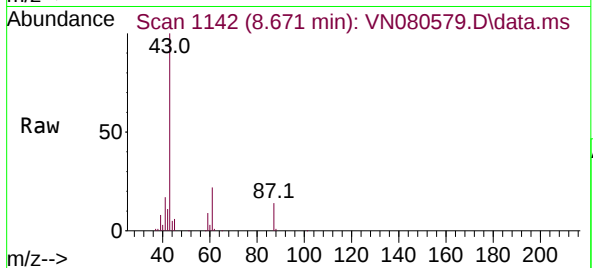
ClientSampleId :

Tgt Ion: 62 Resp: 1931

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 32.270 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080579.D

Acq: 21 Dec 2023 17:26

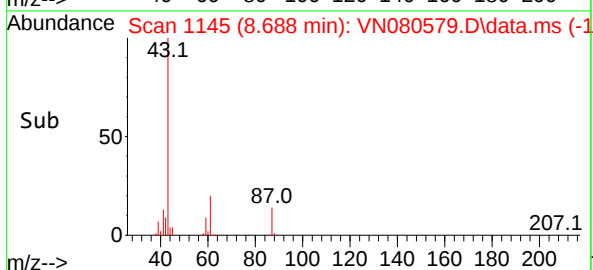
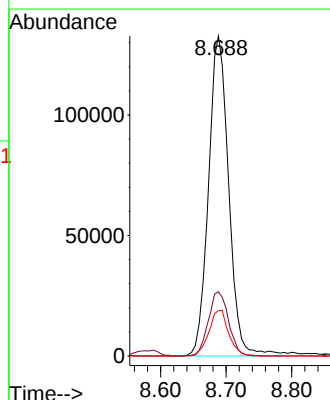
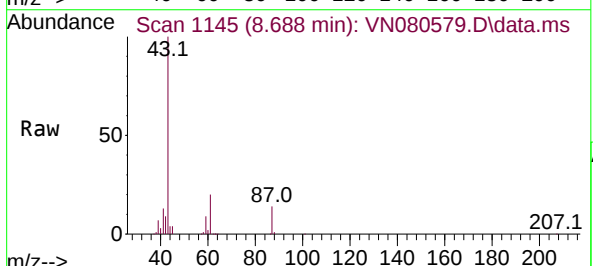
Tgt Ion: 43 Resp: 283536

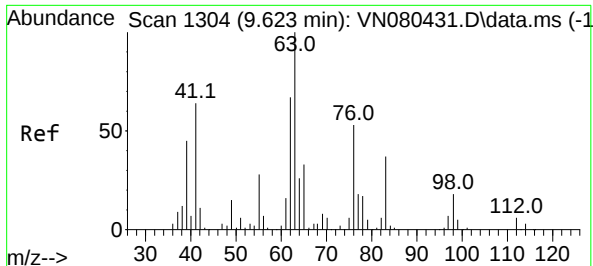
Ion Ratio Lower Upper

43 100

61 20.1 24.7 37.1#

87 14.0 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.710 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN080579.D

Acq: 21 Dec 2023 17:26

Instrument :

MSVOA_N

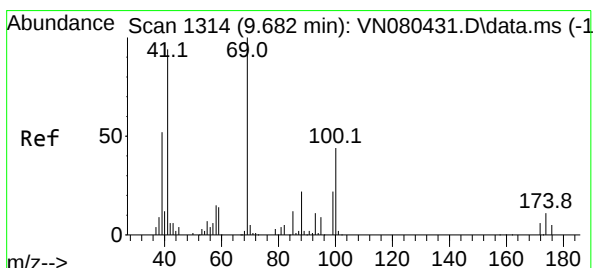
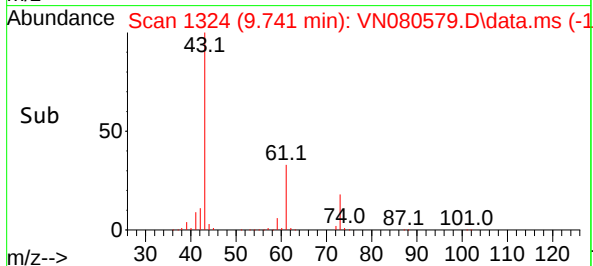
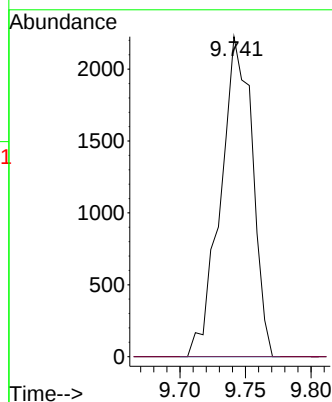
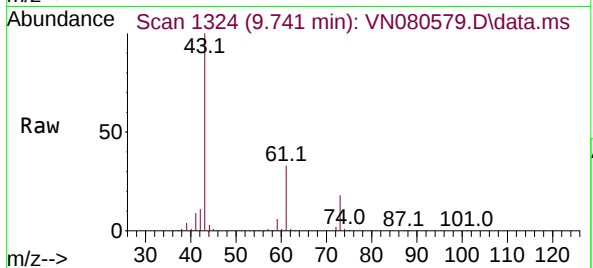
ClientSampleId :

Tgt Ion: 63 Resp: 3758

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.461 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN080579.D

Acq: 21 Dec 2023 17:26

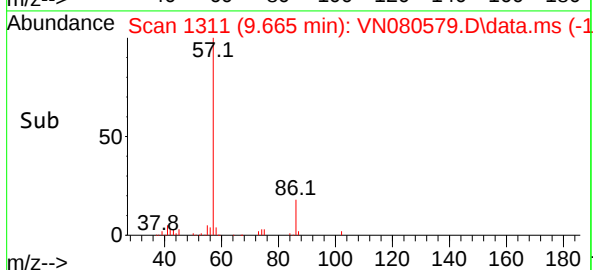
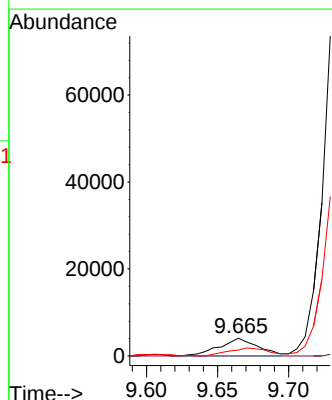
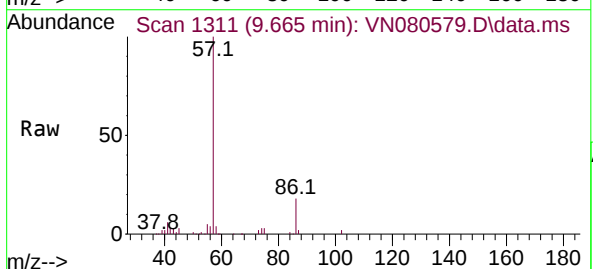
Tgt Ion: 41 Resp: 7658

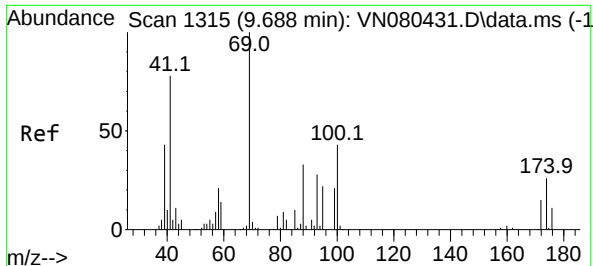
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 48.4 54.6 81.8#

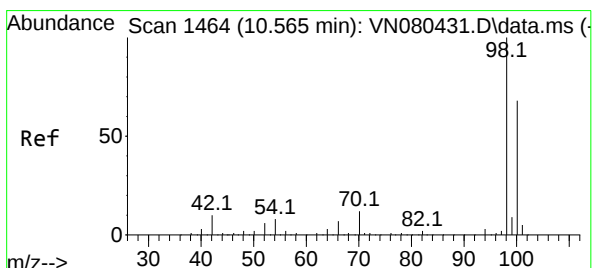
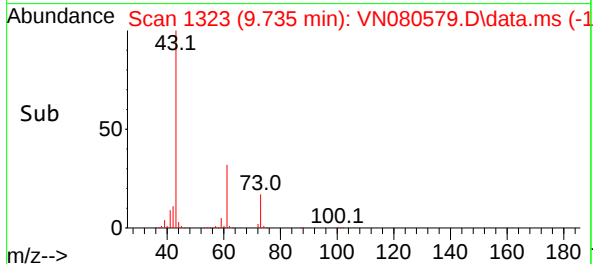
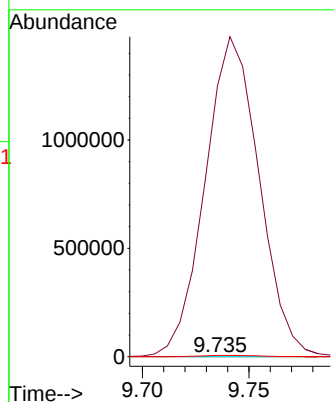
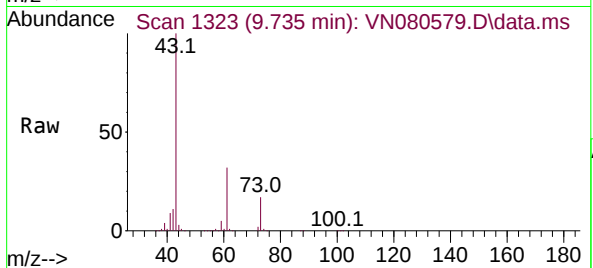




#49
1,4-Dioxane
Concen: 4.643 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

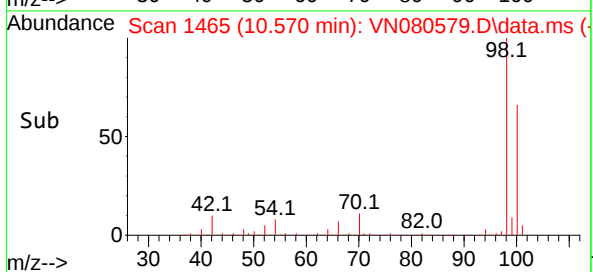
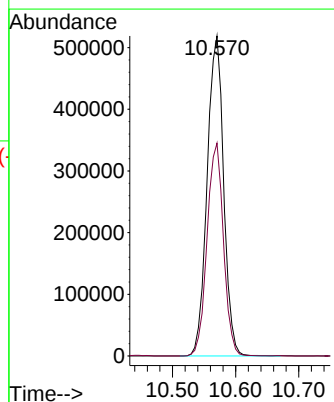
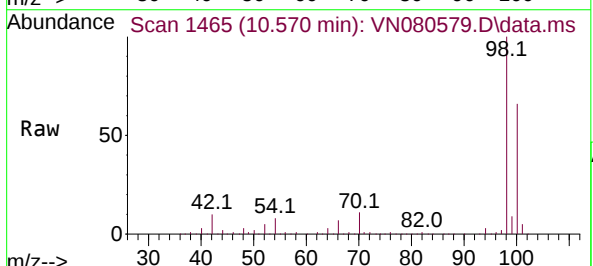
Instrument :
MSVOA_N
ClientSampleId :

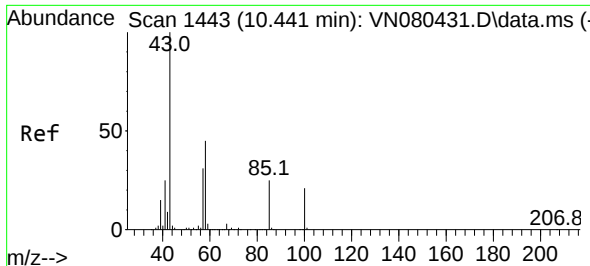
Tgt Ion: 88 Resp: 369
Ion Ratio Lower Upper
88 100
43 708208.4 17.0 25.6#
58 3229.8 47.0 70.4#



#50
Toluene-d8
Concen: 52.839 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Tgt Ion: 98 Resp: 940527
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0

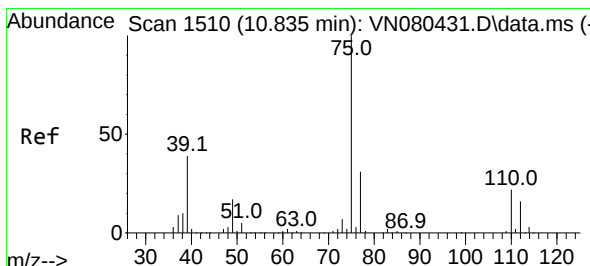
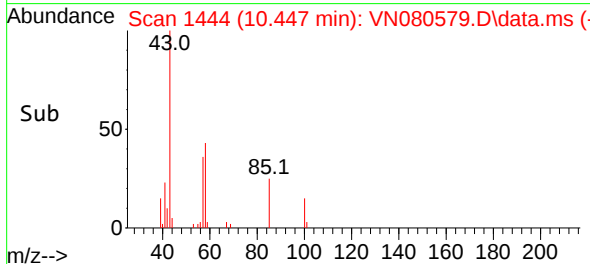
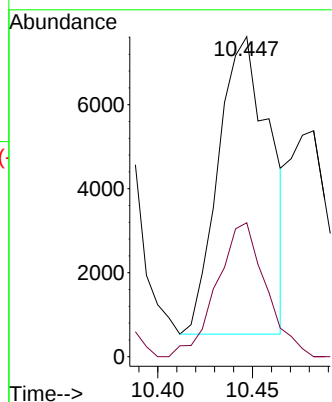
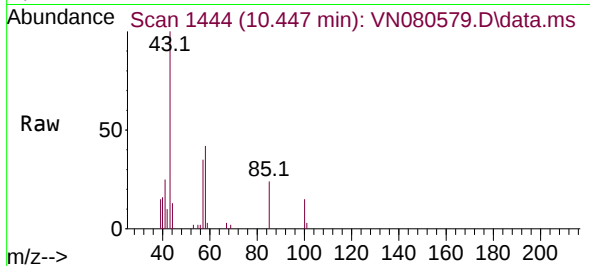




#51
4-Methyl-2-Pentanone
Concen: 2.774 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

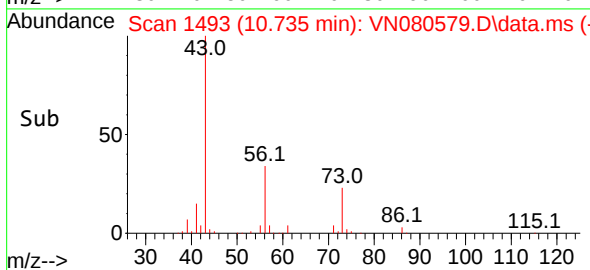
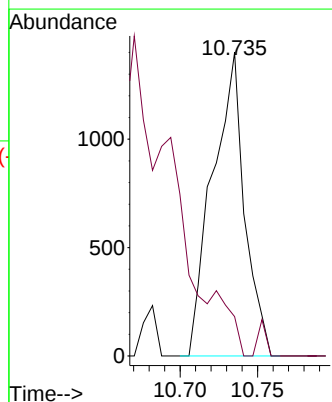
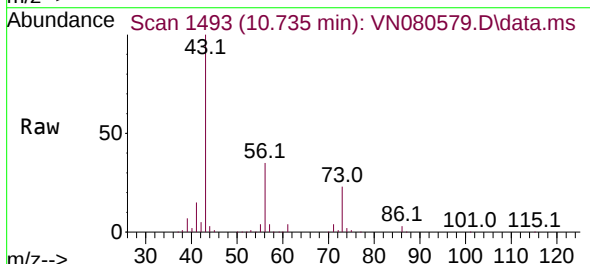
Instrument :
MSVOA_N
ClientSampleId :

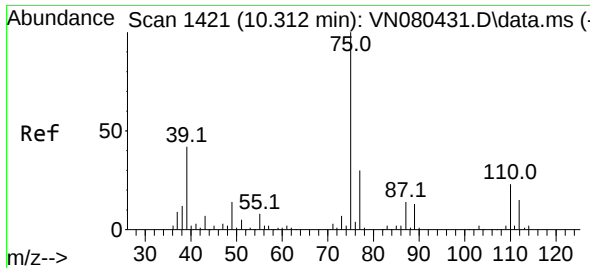
Tgt Ion: 43 Resp: 13425
Ion Ratio Lower Upper
43 100
58 42.7 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.228 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Tgt Ion: 75 Resp: 2009
Ion Ratio Lower Upper
75 100
77 13.0 25.4 38.0#

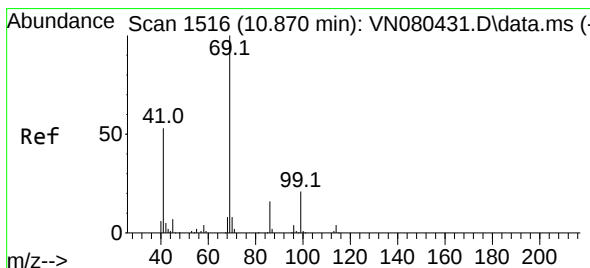
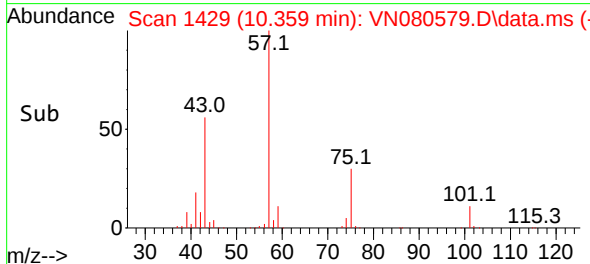
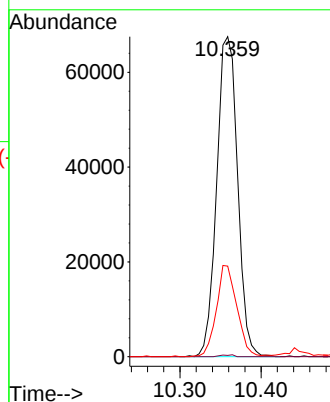
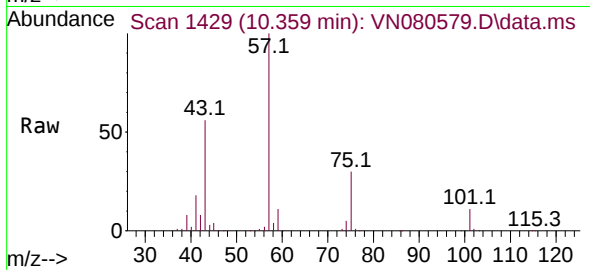




#54
cis-1,3-Dichloropropene
Concen: 12.819 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

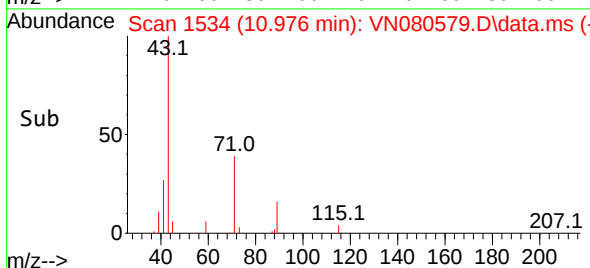
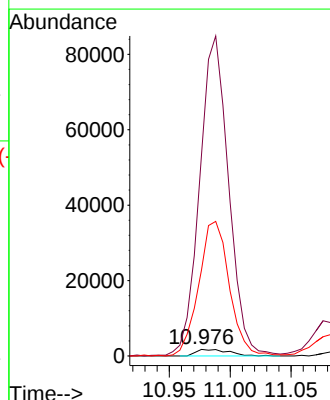
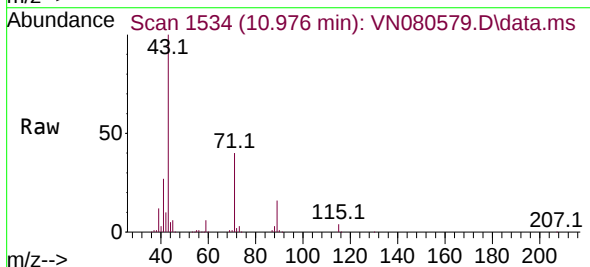
Instrument :
MSVOA_N
ClientSampleId :

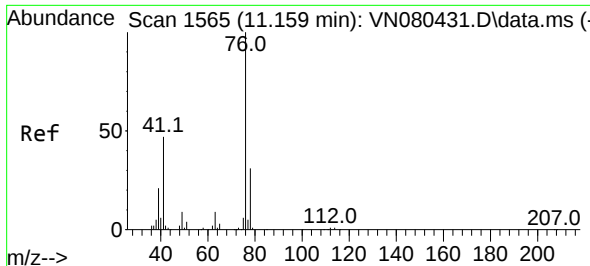
Tgt Ion: 75 Resp: 120760
Ion Ratio Lower Upper
75 100
77 0.4 26.1 39.1#
39 28.3 31.6 47.4#



#56
Ethyl methacrylate
Concen: 0.581 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Tgt Ion: 69 Resp: 3293
Ion Ratio Lower Upper
69 100
41 4282.4 39.6 59.4#
39 1892.2 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.336 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN080579.D

Acq: 21 Dec 2023 17:26

Instrument :

MSVOA_N

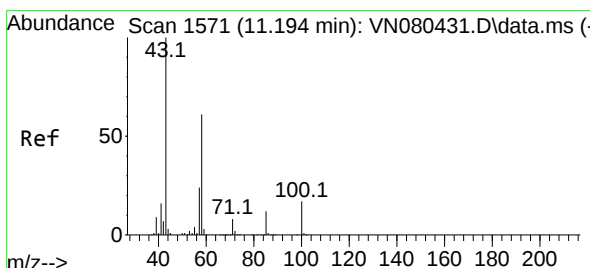
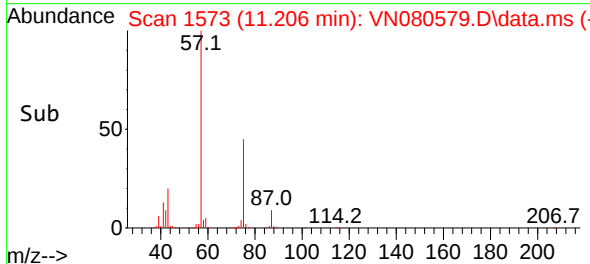
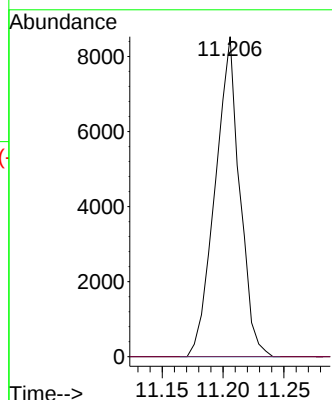
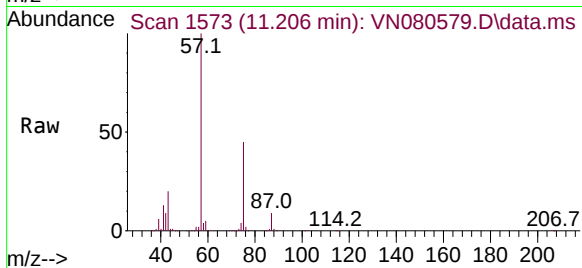
ClientSampleId :

Tgt Ion: 76 Resp: 11995

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 60.596 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN080579.D

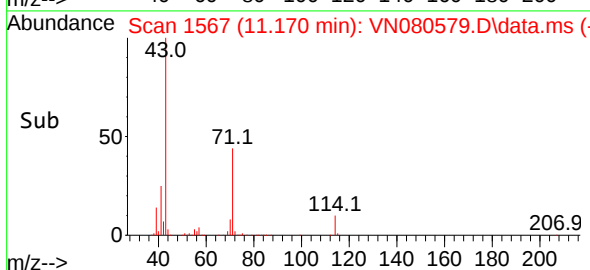
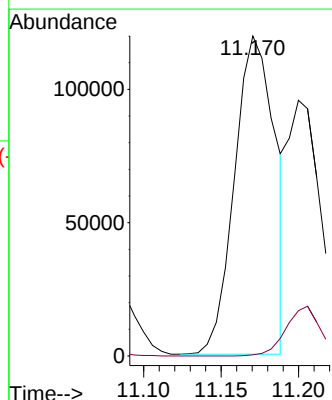
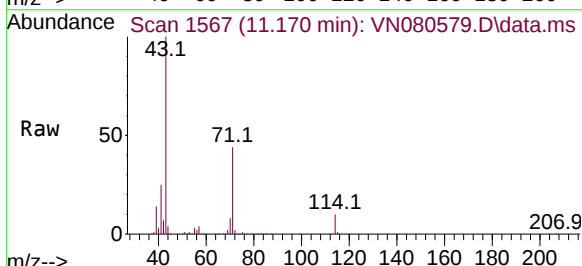
Acq: 21 Dec 2023 17:26

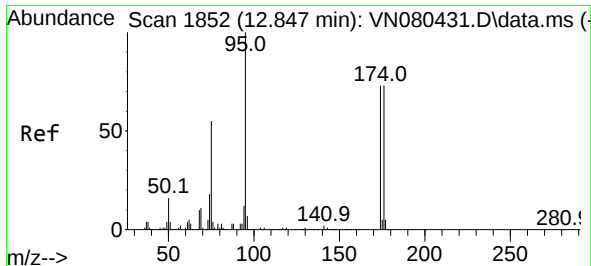
Tgt Ion: 43 Resp: 216474

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

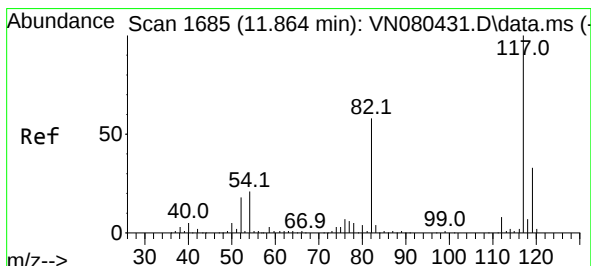
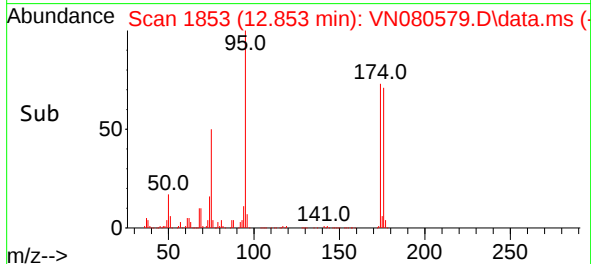
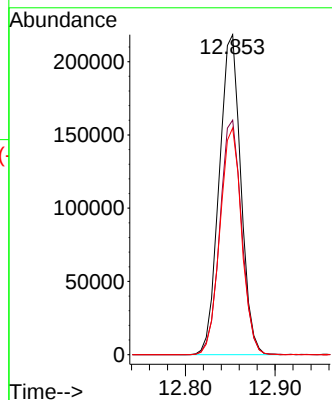
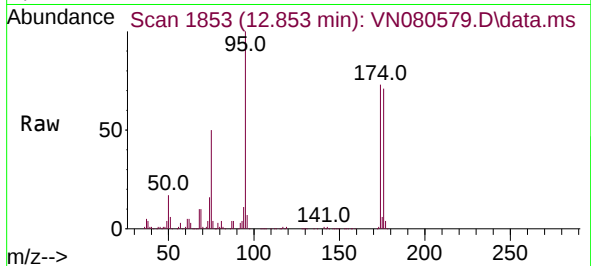




#62
4-Bromofluorobenzene
Concen: 54.041 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

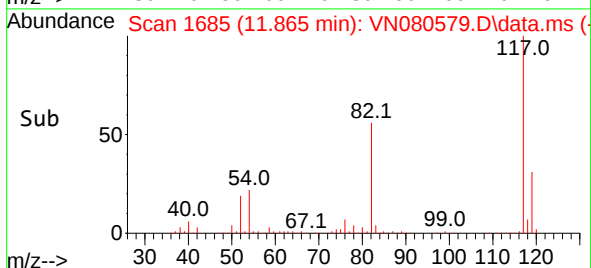
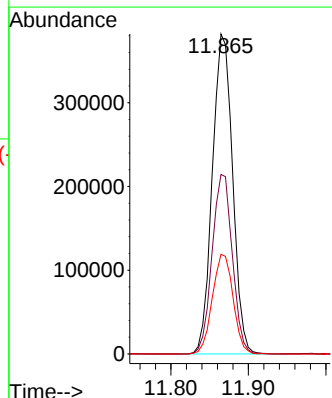
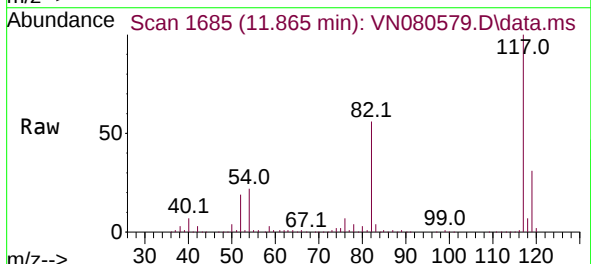
Instrument :
MSVOA_N
ClientSampleId :

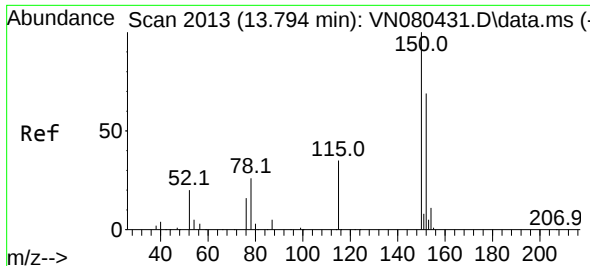
Tgt Ion: 95 Resp: 365265
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 71.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

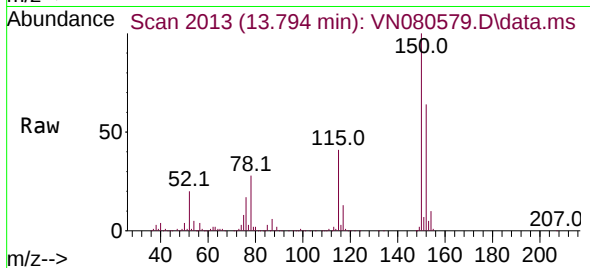
Tgt Ion: 117 Resp: 694624
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 31.2 25.6 38.4



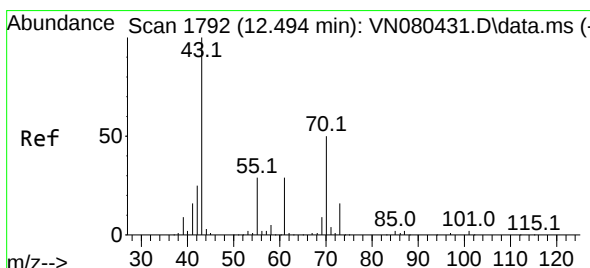
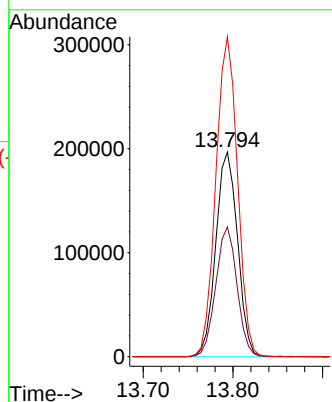
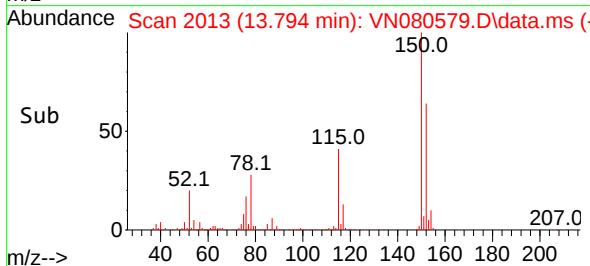


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :

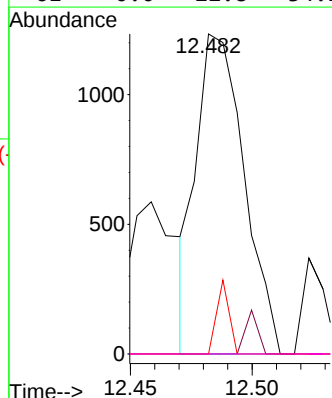
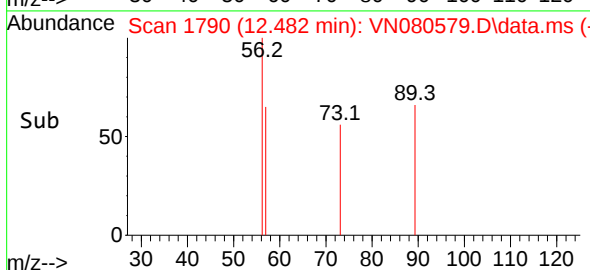
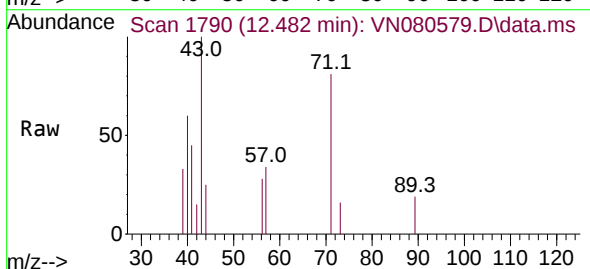


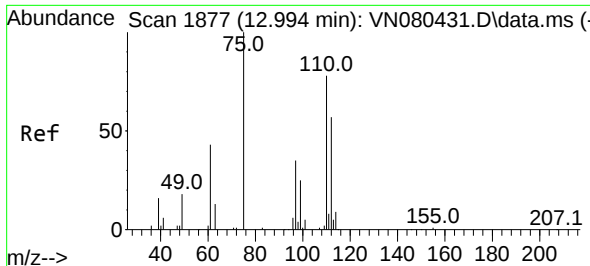
Tgt Ion:152 Resp: 330953
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 155.8 0.0 355.8



#74
N-ethyl acetate
Concen: 0.216 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Tgt Ion: 43 Resp: 1680
Ion Ratio Lower Upper
43 100
70 3.6 43.4 65.2#
55 6.0 21.4 32.0#
61 0.0 22.8 34.2#

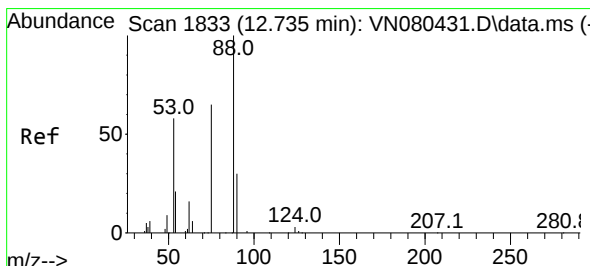
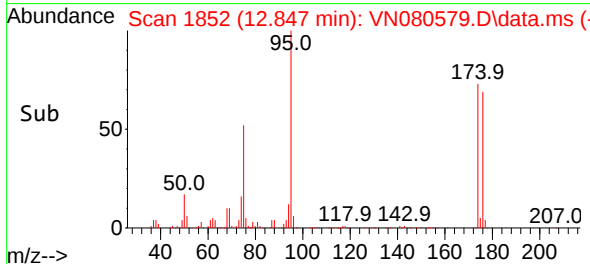
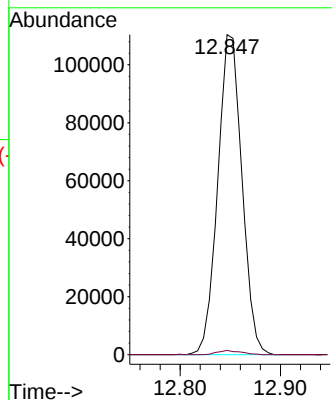
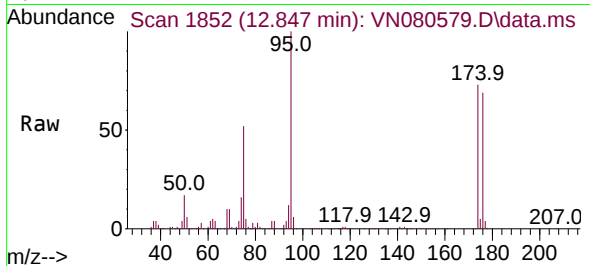




#76
1,2,3-Trichloropropane
Concen: 27.949 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 184531
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.383 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080579.D
Acq: 21 Dec 2023 17:26

Tgt Ion: 75 Resp: 184531
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

