

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080074.D
 Acq On : 13 Nov 2023 18:17
 Operator : JC\MD
 Sample : PB157075ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 19:26:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

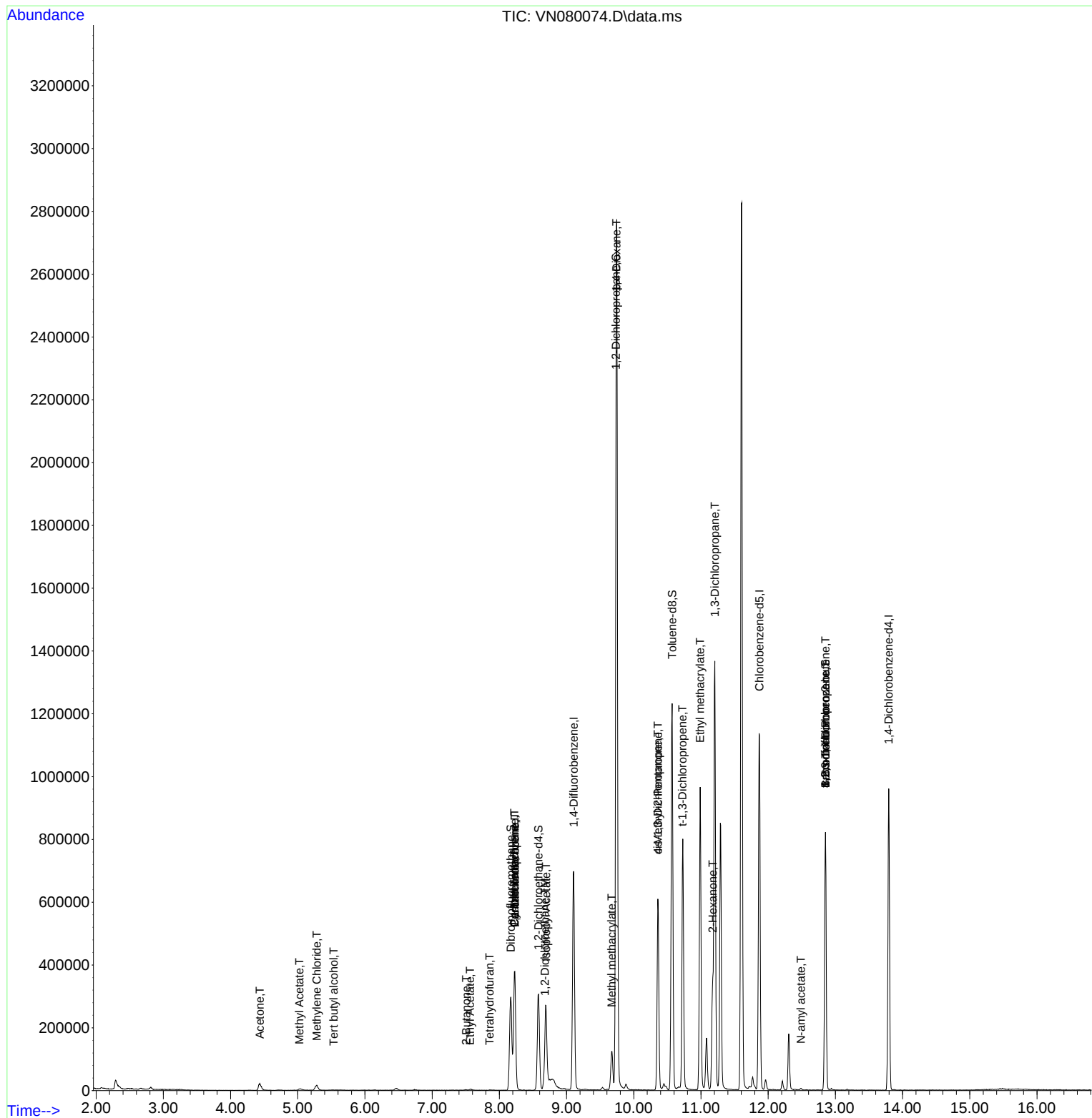
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	267736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	586934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	665655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	258099	63.274	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 126.540%#	
35) Dibromofluoromethane	8.171	113	220212	53.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.020%	
50) Toluene-d8	10.571	98	837523	54.766	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.540%	
62) 4-Bromofluorobenzene	12.853	95	287800	56.745	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1043	Below Cal	#	42
11) Tert butyl alcohol	5.536	59	202	0.388	ug/l #	72
16) Acetone	4.436	43	42822	29.887	ug/l #	78
18) Methyl Acetate	5.024	43	4034	0.588	ug/l	90
20) Methylene Chloride	5.283	84	12047	3.332	ug/l #	85
25) 2-Butanone	7.506	43	3365	1.604	ug/l #	72
29) Tetrahydrofuran	7.853	42	323	0.237	ug/l #	53
31) Cyclohexane	8.224	56	6514	1.209	ug/l #	30
36) 1,1-Dichloropropene	8.230	75	24885	4.196	ug/l #	47
37) Ethyl Acetate	7.565	43	6196	1.139	ug/l #	79
38) Carbon Tetrachloride	8.224	117	30231	5.057	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	1992	0.321	ug/l #	73
43) Isopropyl Acetate	8.694	43	317678	33.301	ug/l #	79
45) 1,2-Dichloropropane	9.735	63	3860	0.850	ug/l #	45
48) Methyl methacrylate	9.671	41	7958	1.905	ug/l #	28
49) 1,4-Dioxane	9.741	88	394	5.336	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	219483	40.866	ug/l #	42
53) t-1,3-Dichloropropene	10.723	75	1957	0.302	ug/l #	1
54) cis-1,3-Dichloropropene	10.359	75	105961	14.999	ug/l #	71
56) Ethyl methacrylate	10.988	69	5378	0.890	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	15141	2.028	ug/l #	42
59) 2-Hexanone	11.176	43	259806	63.234	ug/l #	19
71) Bromoform	12.853	173	2147	0.581	ug/l #	1
74) N-amyl acetate	12.488	43	2142	0.261	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	151944	26.137	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	151944	71.113	ug/l #	15

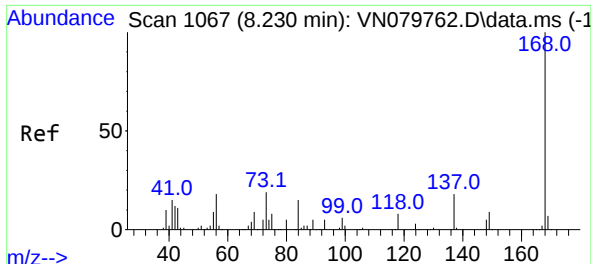
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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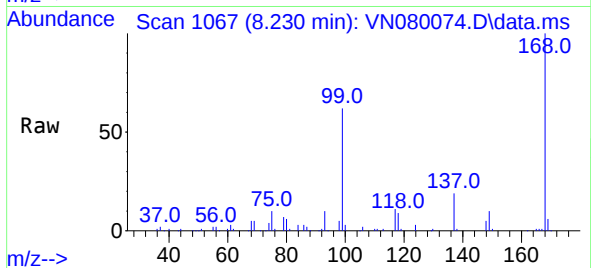
Quant Time: Nov 14 19:26:11 2023
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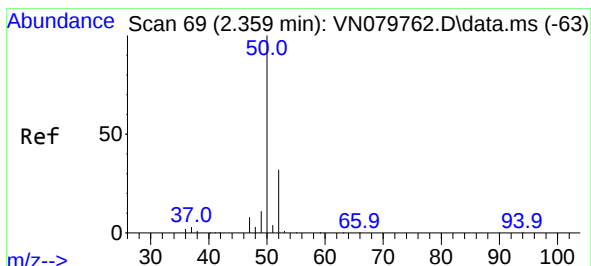
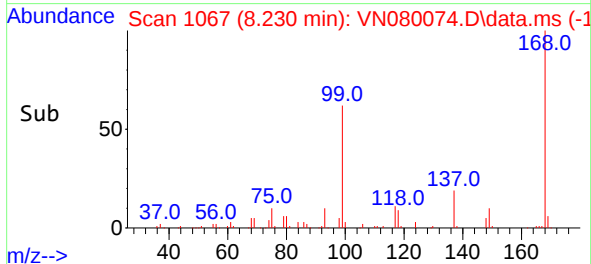
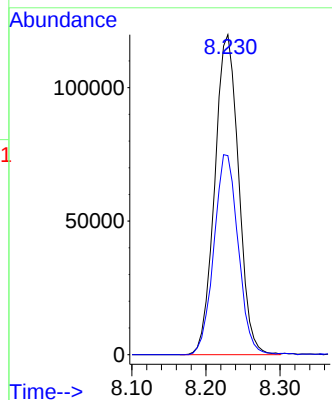


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

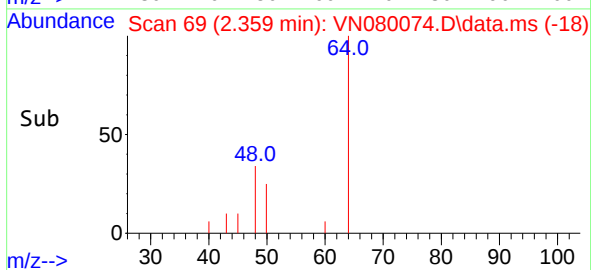
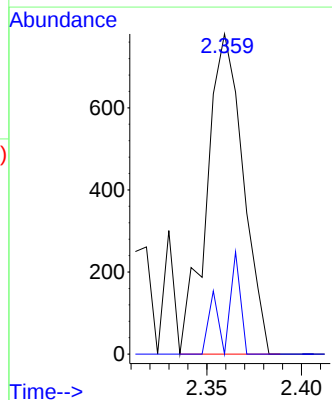
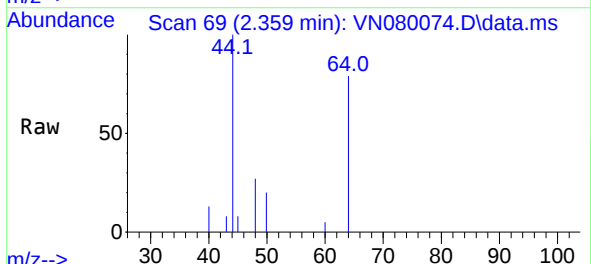


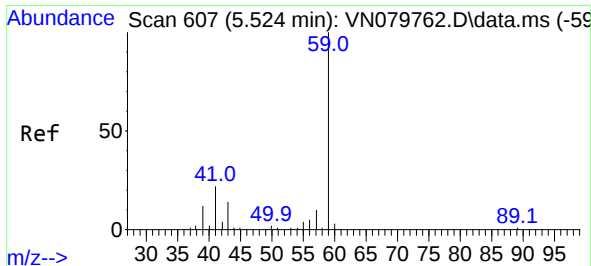
Tgt Ion:168 Resp: 267736
Ion Ratio Lower Upper
168 100
99 62.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Tgt Ion: 50 Resp: 1043
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.388 ug/l

RT: 5.536 min Scan# 607

Delta R.T. 0.018 min

Lab File: VN080074.D

Acq: 13 Nov 2023 18:17

Instrument :

MSVOA_N

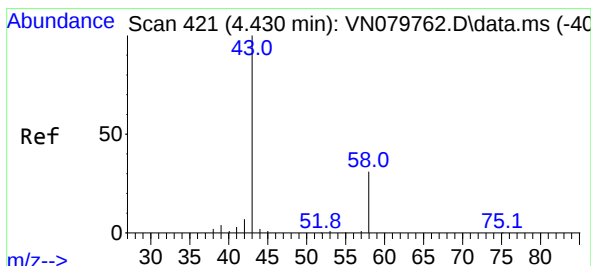
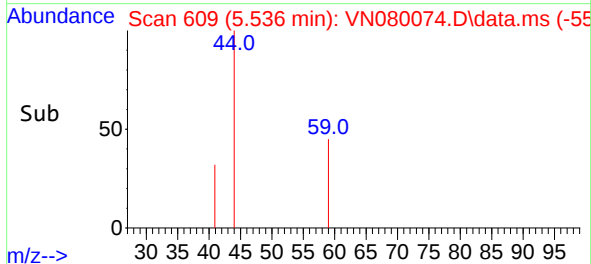
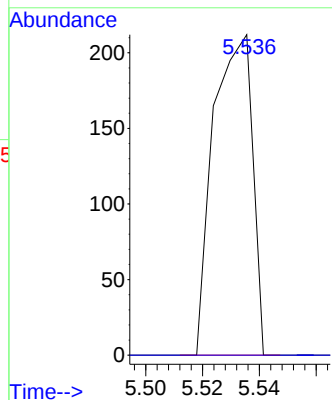
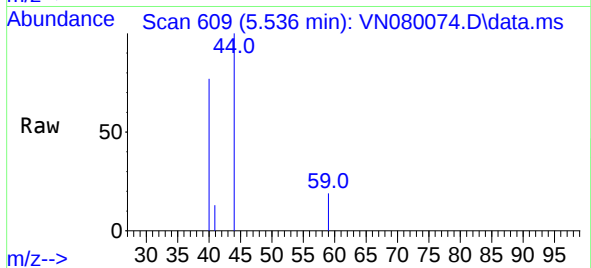
ClientSampleId :

Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 29.887 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN080074.D

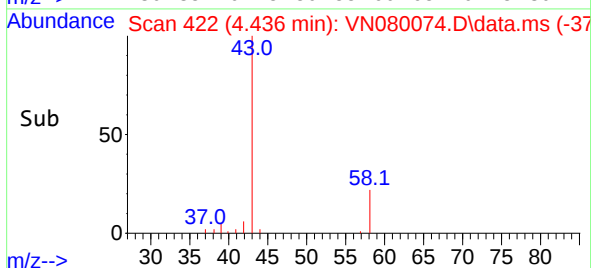
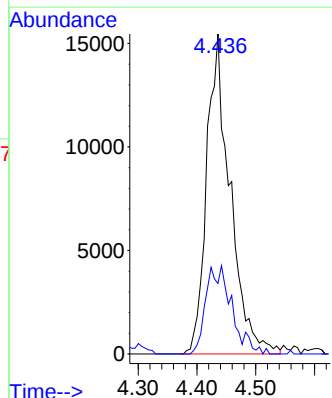
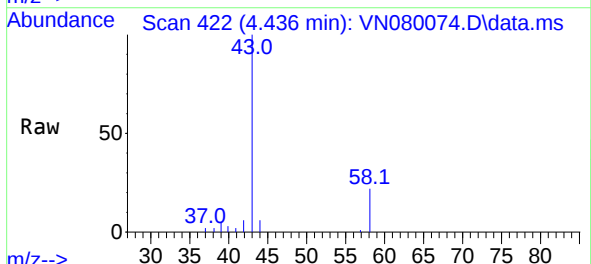
Acq: 13 Nov 2023 18:17

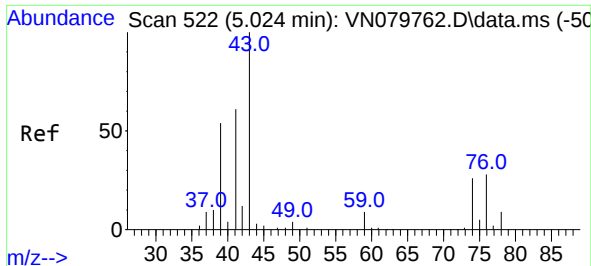
Tgt Ion: 43 Resp: 42822

Ion Ratio Lower Upper

43 100

58 22.0 28.0 42.0#

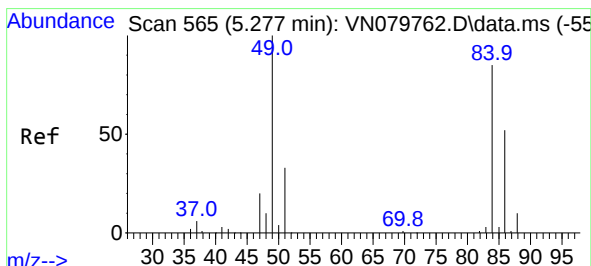
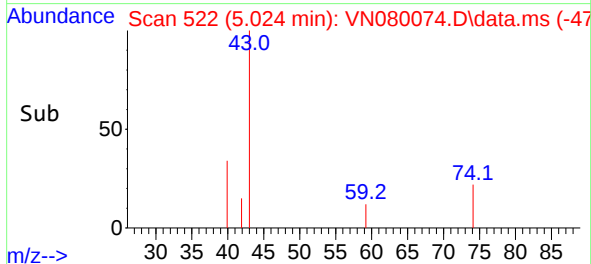
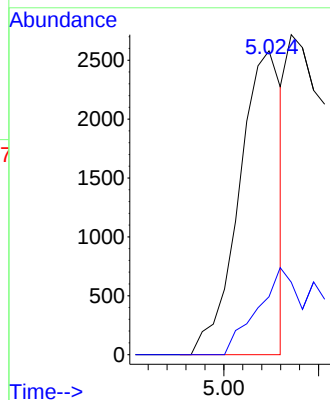
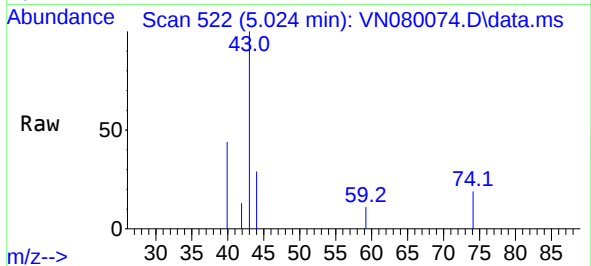




#18
Methyl Acetate
Concen: 0.588 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

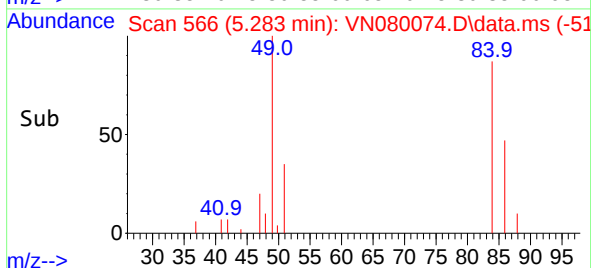
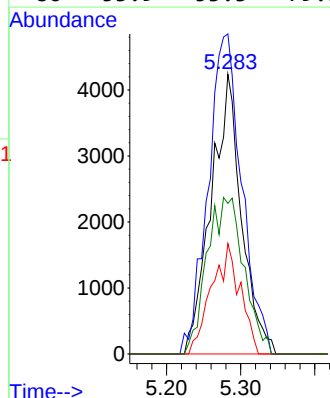
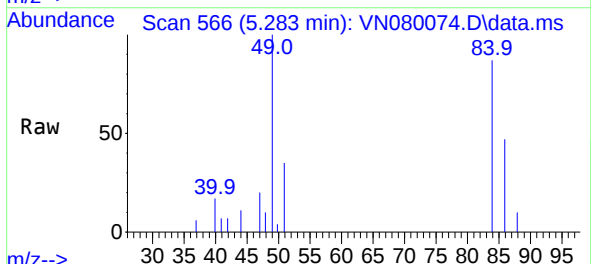
Instrument :
MSVOA_N
ClientSampleId :

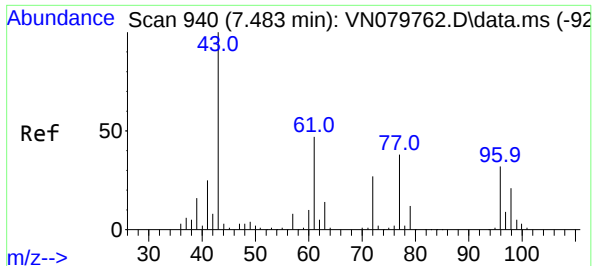
Tgt Ion: 43 Resp: 4034
Ion Ratio Lower Upper
43 100
74 27.1 26.2 39.4



#20
Methylene Chloride
Concen: 3.332 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Tgt Ion: 84 Resp: 12047
Ion Ratio Lower Upper
84 100
49 114.4 79.7 119.5
51 39.5 25.2 37.8#
86 53.9 53.3 79.9

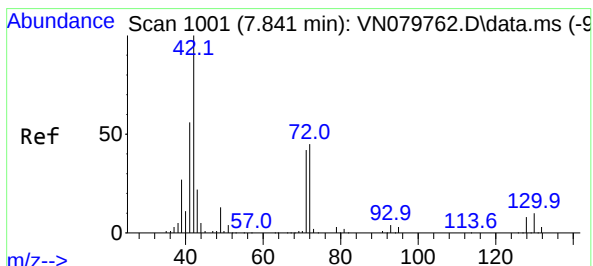
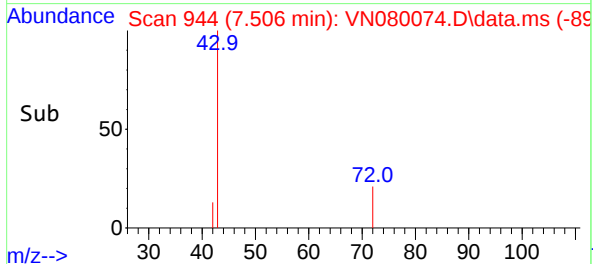
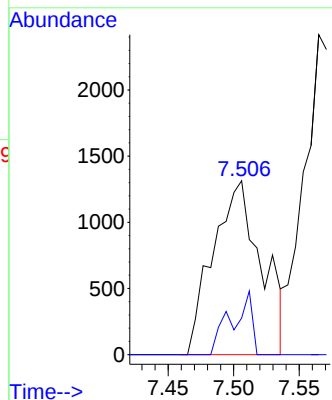
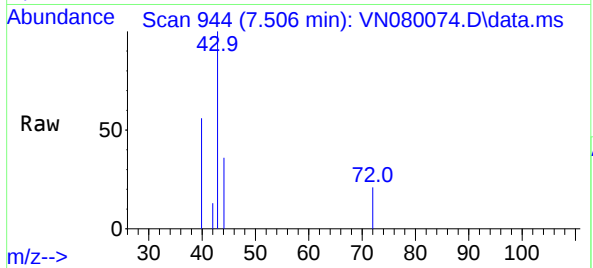




#25
2-Butanone
Concen: 1.604 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

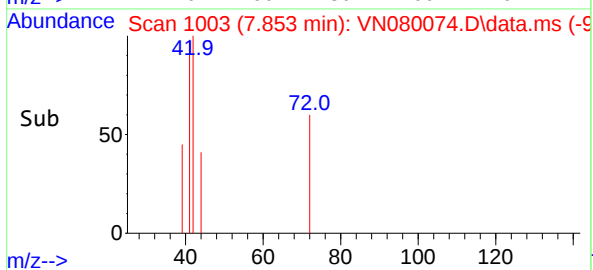
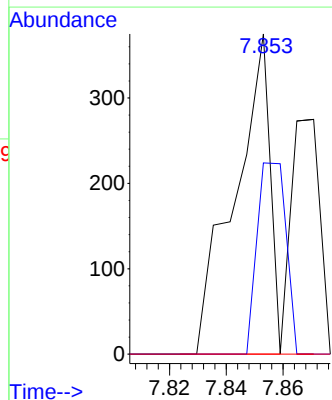
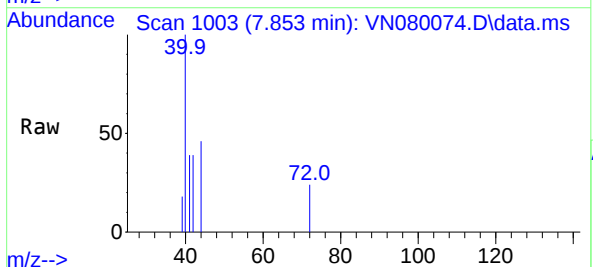
Instrument :
MSVOA_N
ClientSampleId :

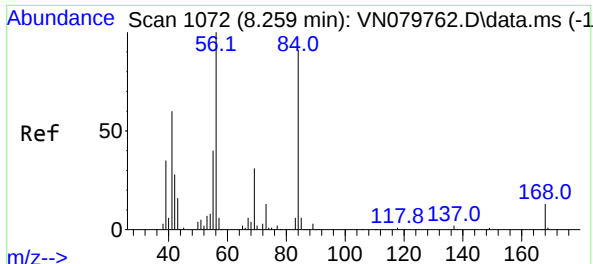
Tgt Ion: 43 Resp: 3365
Ion Ratio Lower Upper
43 100
72 21.1 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.237 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

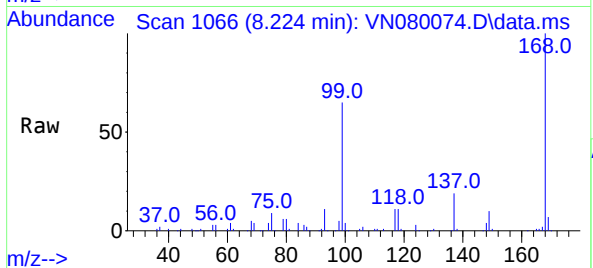
Tgt Ion: 42 Resp: 323
Ion Ratio Lower Upper
42 100
72 48.9 49.8 74.6#
71 0.0 47.4 71.2#



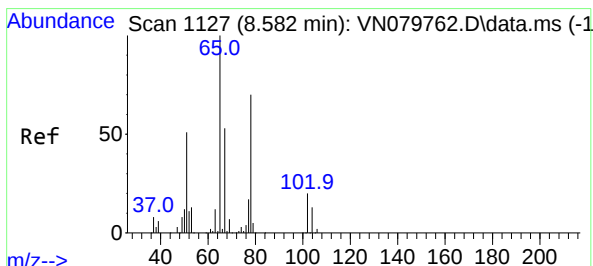
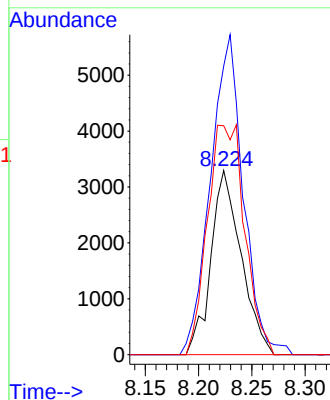
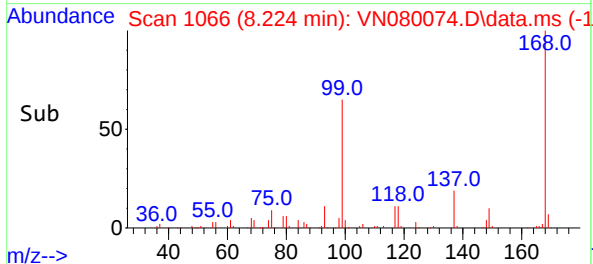


#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

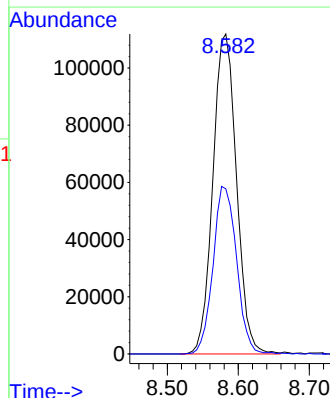
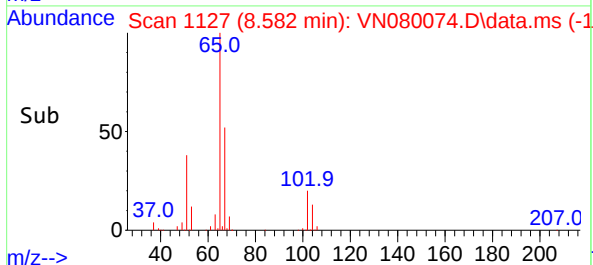
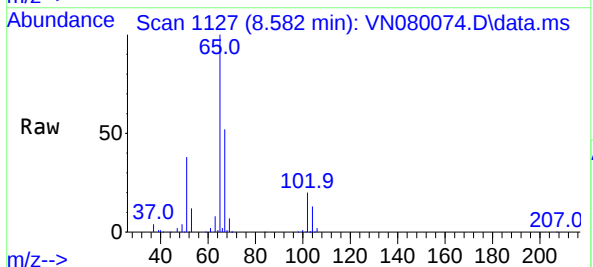


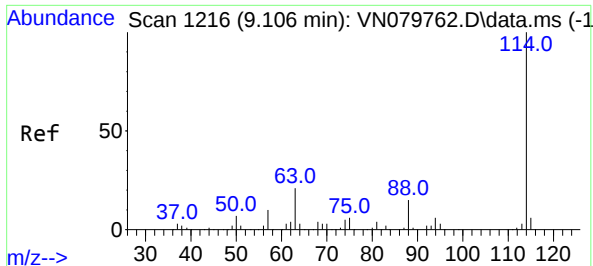
Tgt Ion: 56 Resp: 6514
Ion Ratio Lower Upper
56 100
69 156.7 26.8 40.2#
84 124.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 63.274 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Tgt Ion: 65 Resp: 258099
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6

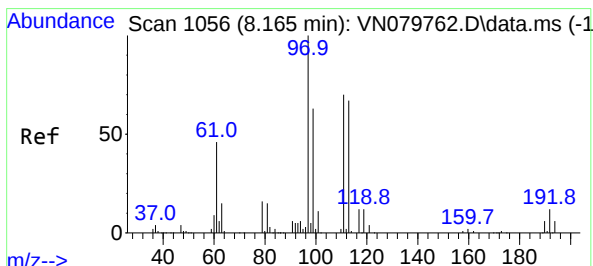
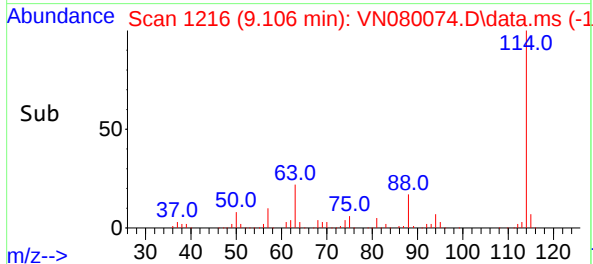
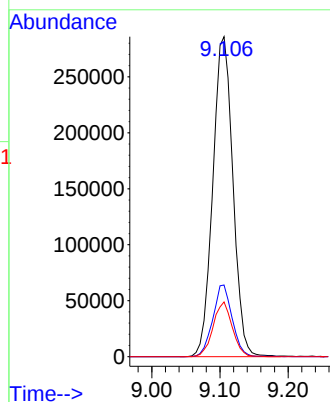
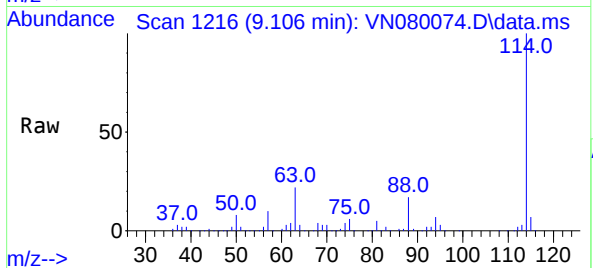




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

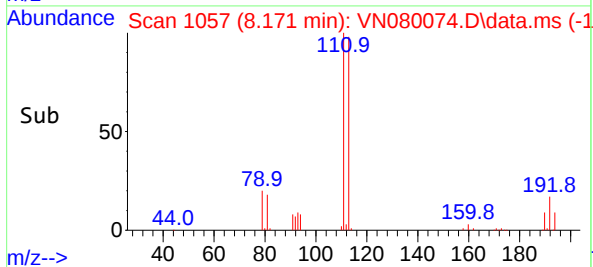
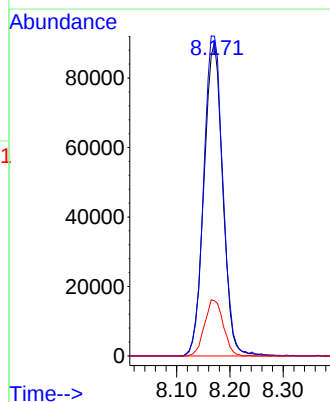
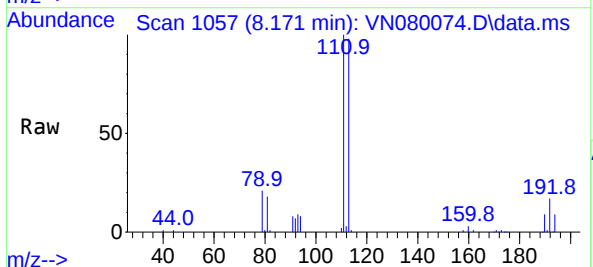
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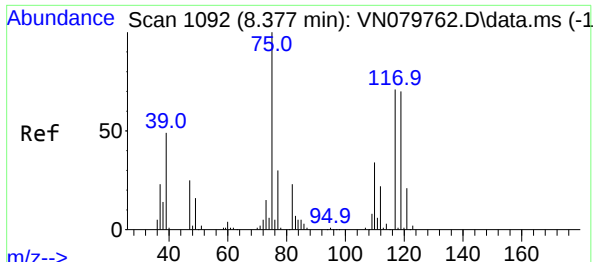
Tgt Ion:114 Resp: 586934
Ion Ratio Lower Upper
114 100
63 22.4 0.0 36.4
88 17.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.011 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

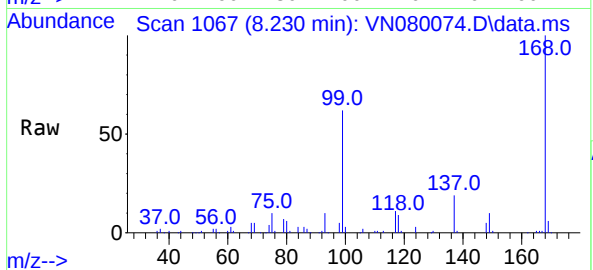
Tgt Ion:113 Resp: 220212
Ion Ratio Lower Upper
113 100
111 104.3 82.6 123.8
192 17.9 12.7 19.1



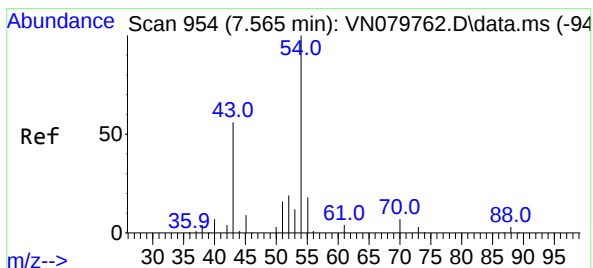
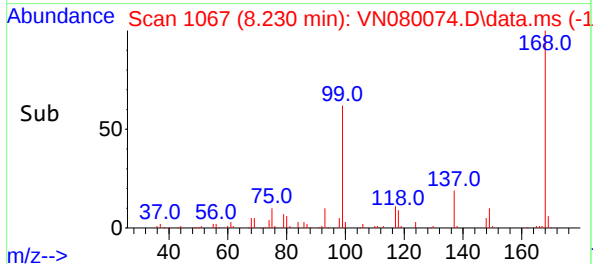
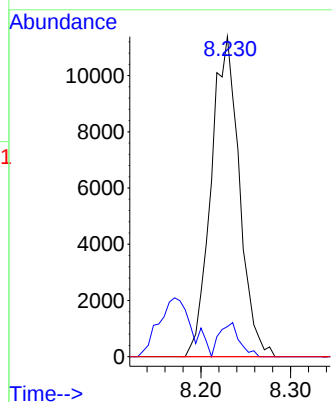


#36
1,1-Dichloropropene
Concen: 4.196 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

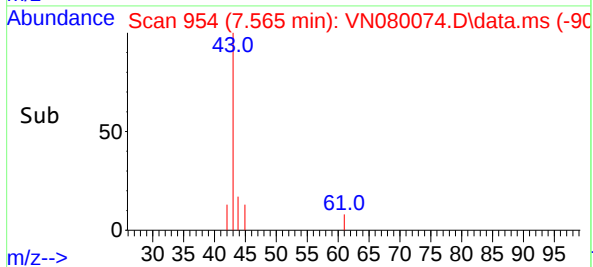
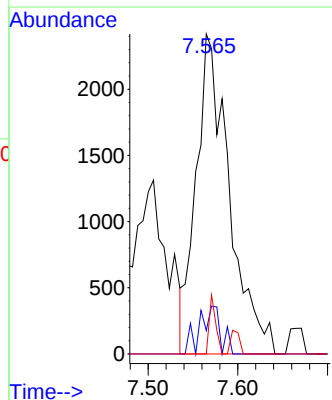
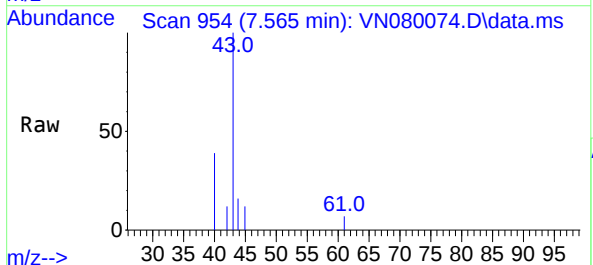


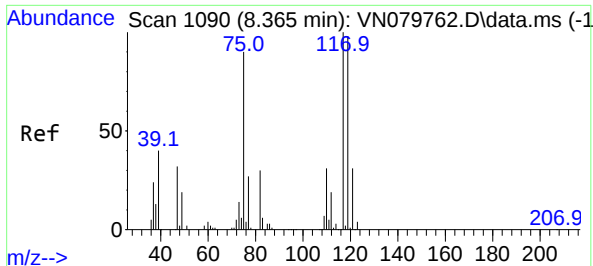
Tgt Ion: 75 Resp: 24885
Ion Ratio Lower Upper
75 100
110 7.5 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.139 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

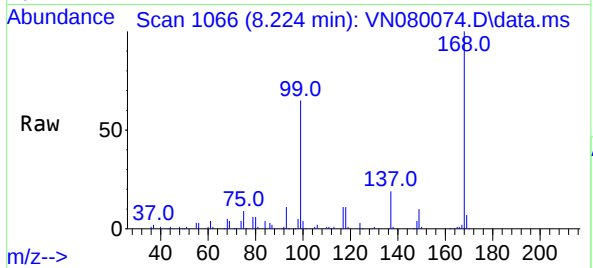
Tgt Ion: 43 Resp: 6196
Ion Ratio Lower Upper
43 100
61 9.4 13.2 19.8#
70 3.6 11.3 16.9#



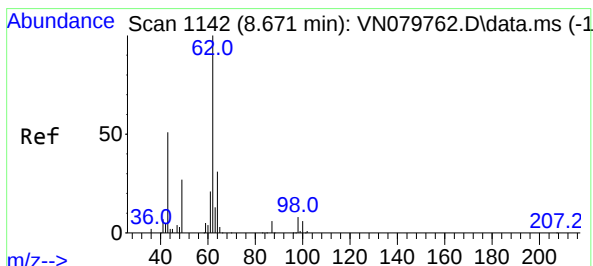
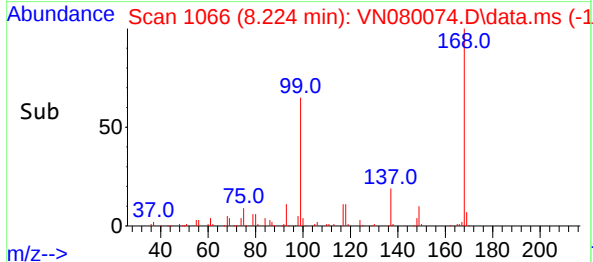
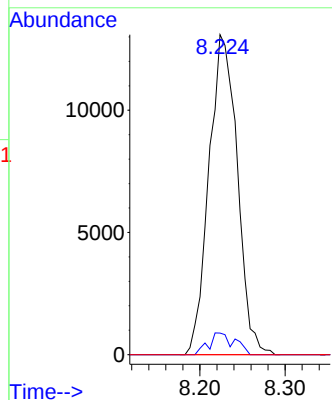


#38
Carbon Tetrachloride
Concen: 5.057 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

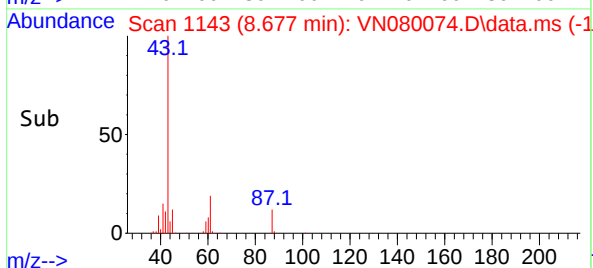
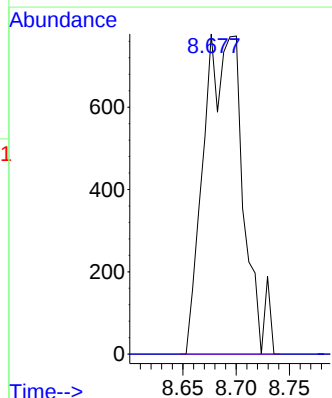
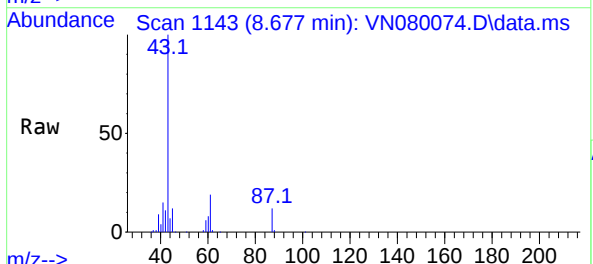


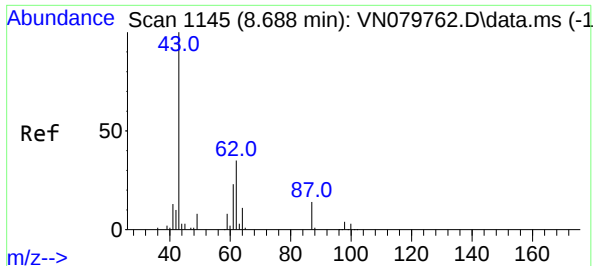
Tgt Ion:117 Resp: 30231
Ion Ratio Lower Upper
117 100
119 6.8 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.321 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

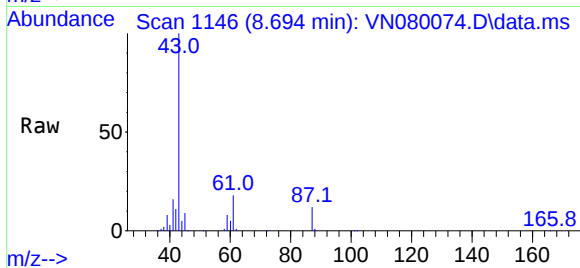
Tgt Ion: 62 Resp: 1992
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



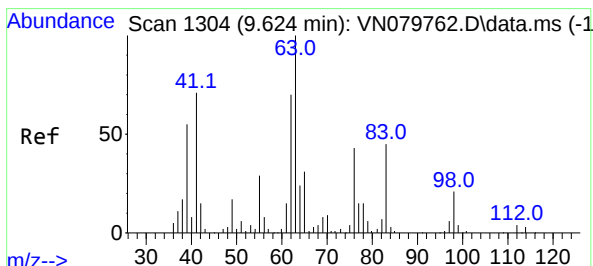
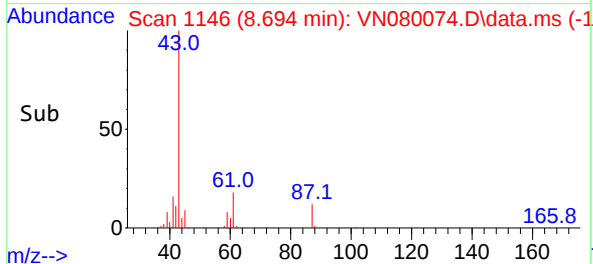
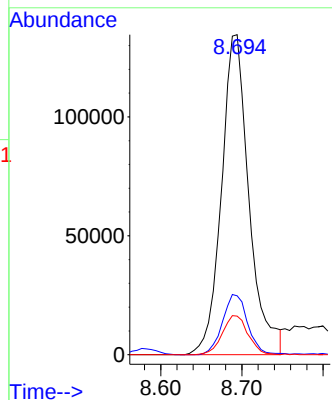


#43
Isopropyl Acetate
Concen: 33.301 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

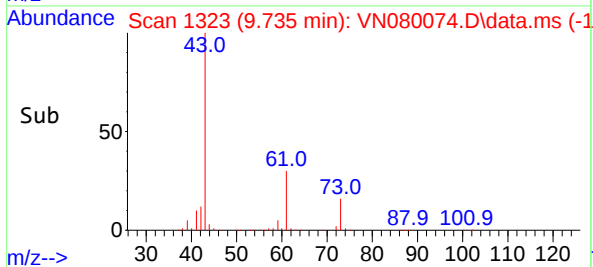
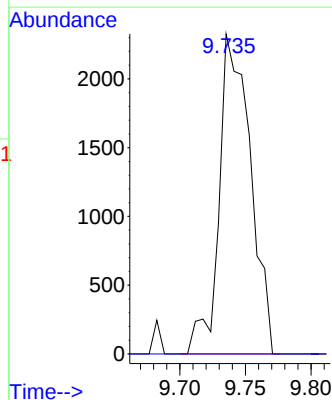
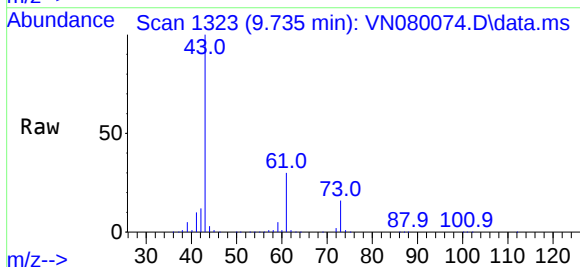


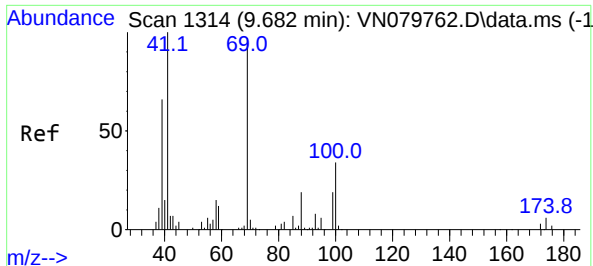
Tgt Ion: 43 Resp: 317678
Ion Ratio Lower Upper
43 100
61 17.3 24.7 37.1#
87 11.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.850 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Tgt Ion: 63 Resp: 3860
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 1.905 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN080074.D

Acq: 13 Nov 2023 18:17

Instrument :

MSVOA_N

ClientSampleId :

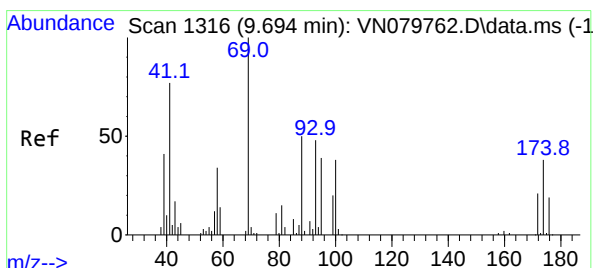
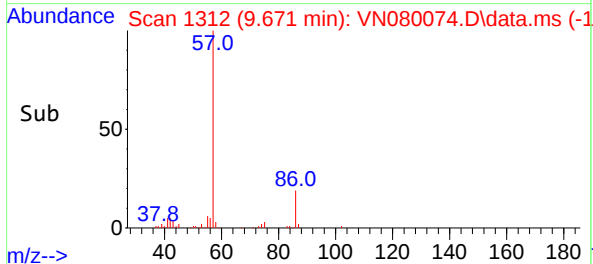
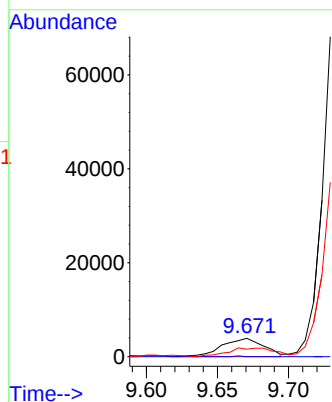
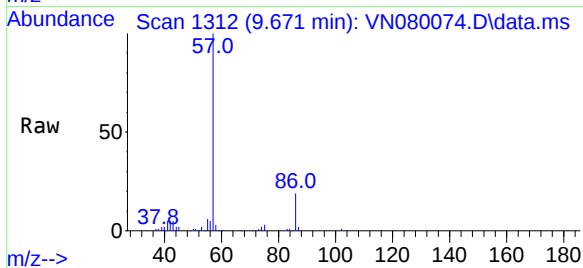
Tgt Ion: 41 Resp: 7958

Ion Ratio Lower Upper

41 100

69 0.7 90.4 135.6#

39 53.6 54.6 81.8#



#49

1,4-Dioxane

Concen: 5.336 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN080074.D

Acq: 13 Nov 2023 18:17

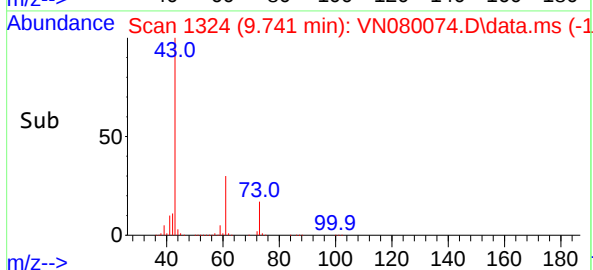
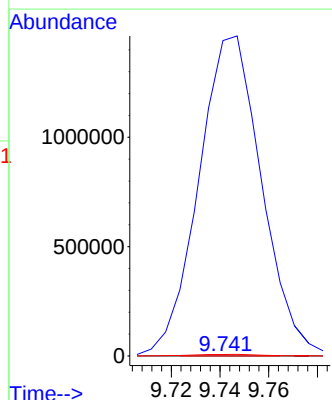
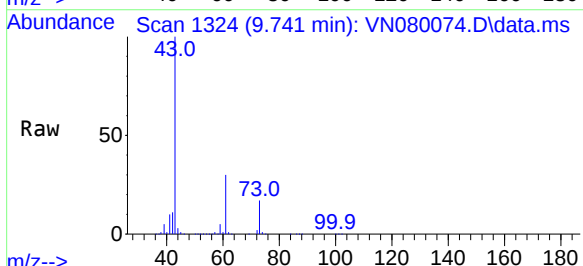
Tgt Ion: 88 Resp: 394

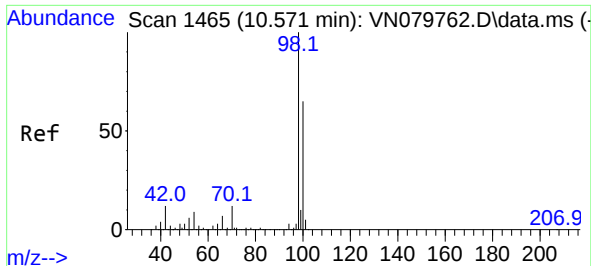
Ion Ratio Lower Upper

88 100

43 672359.9 17.0 25.6#

58 3506.1 47.0 70.4#

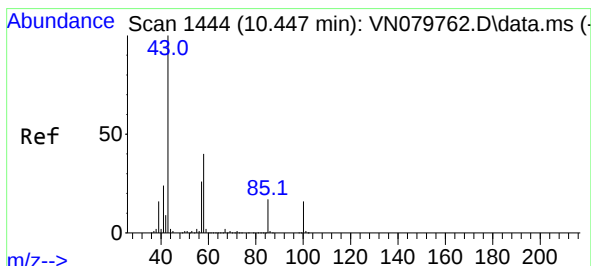
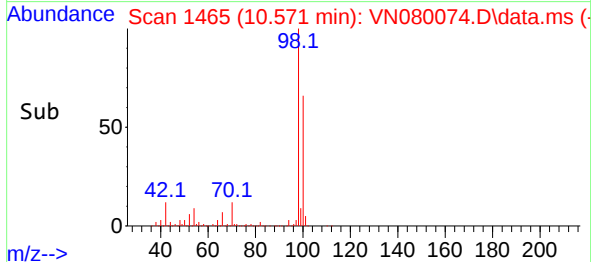
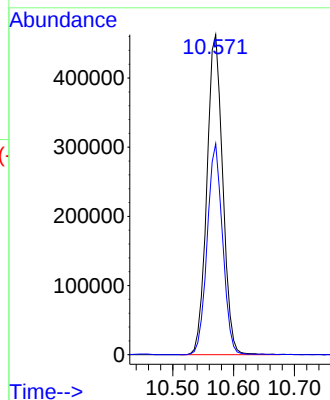
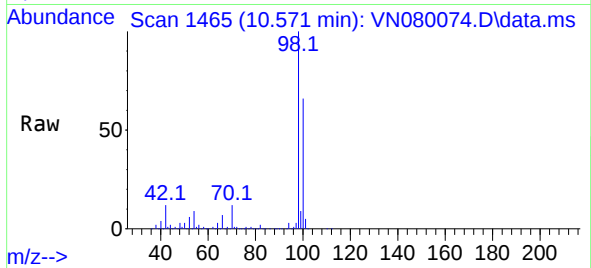




#50
Toluene-d8
Concen: 54.766 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

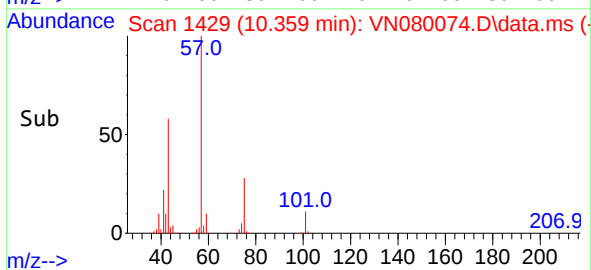
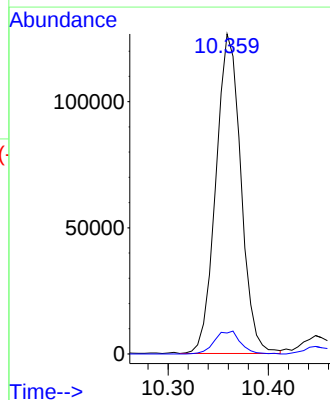
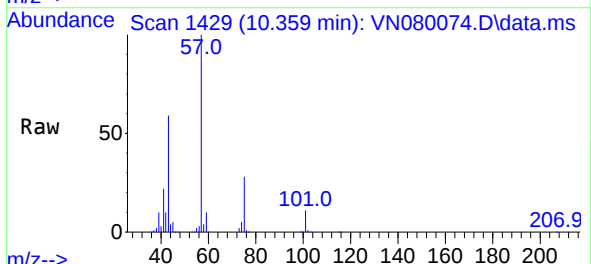
Instrument :
MSVOA_N
ClientSampleId :

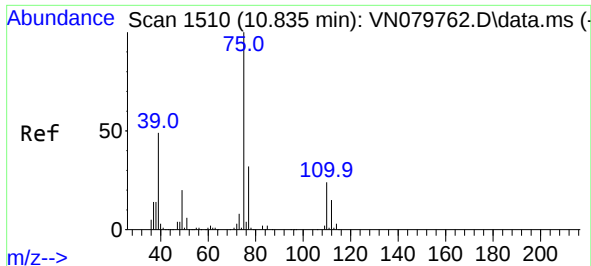
Tgt Ion: 98 Resp: 837523
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 40.866 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

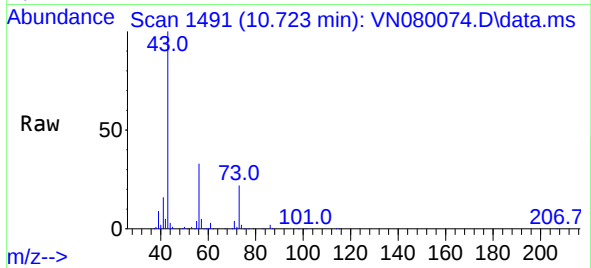
Tgt Ion: 43 Resp: 219483
Ion Ratio Lower Upper
43 100
58 7.4 36.6 54.8#



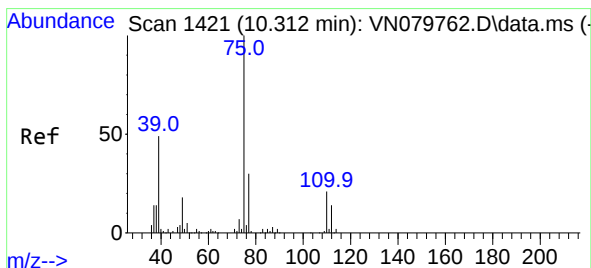
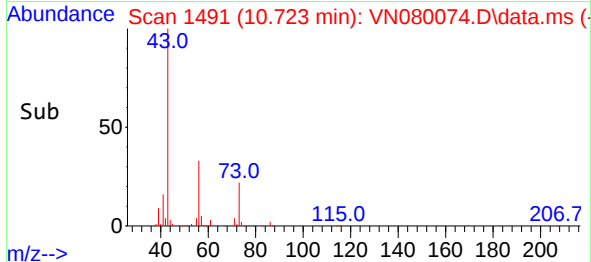
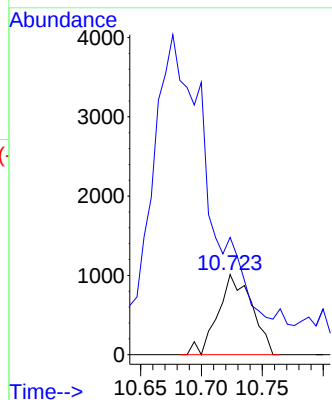


#53
 t-1,3-Dichloropropene
 Concen: 0.302 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.118 min
 Lab File: VN080074.D
 Acq: 13 Nov 2023 18:17

Instrument :
 MSVOA_N
 ClientSampleId :

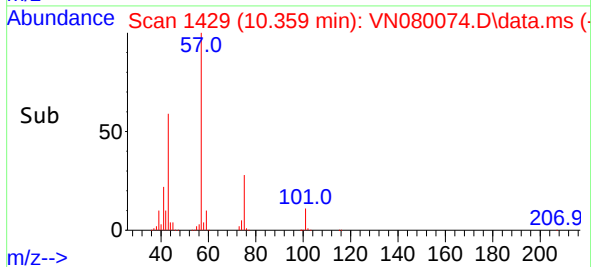
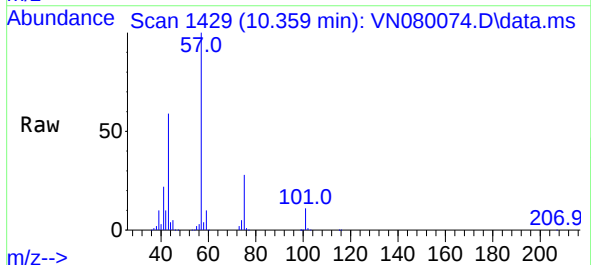
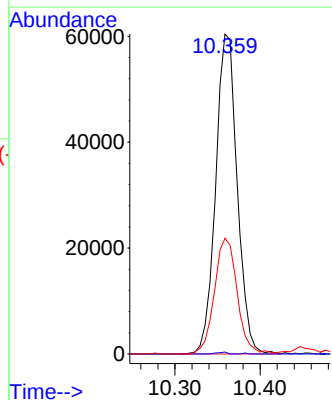


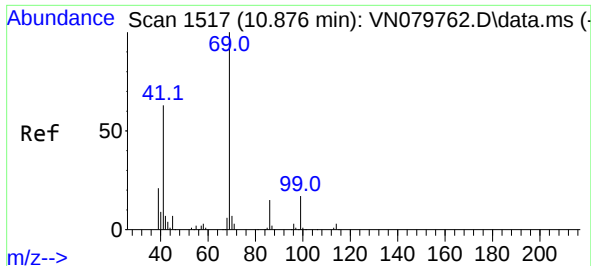
Tgt Ion: 75 Resp: 1957
 Ion Ratio Lower Upper
 75 100
 77 88.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.999 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080074.D
 Acq: 13 Nov 2023 18:17

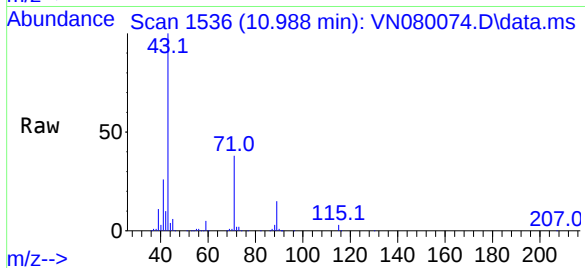
Tgt Ion: 75 Resp: 105961
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 36.2 31.6 47.4



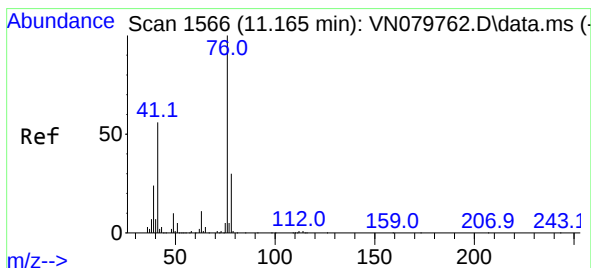
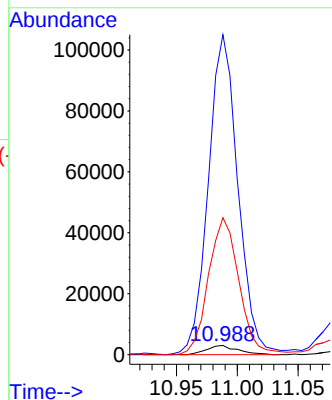
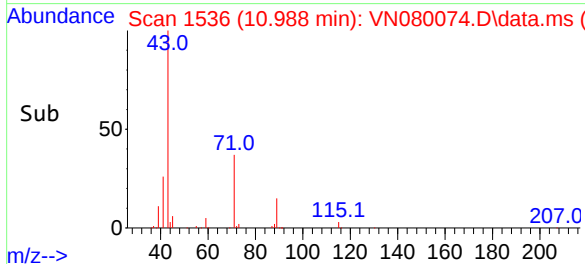


#56
Ethyl methacrylate
Concen: 0.890 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

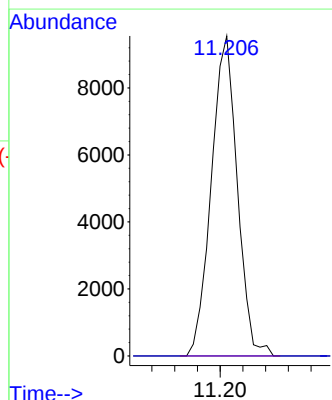
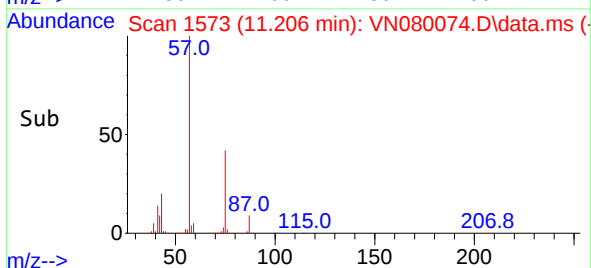
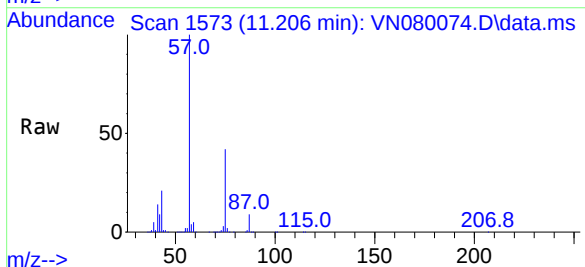


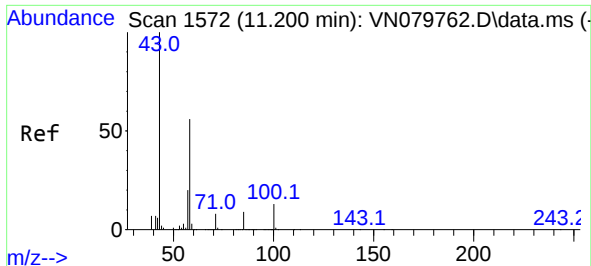
Tgt Ion: 69 Resp: 5378
Ion Ratio Lower Upper
69 100
41 3319.6 39.6 59.4#
39 1459.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 2.028 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Tgt Ion: 76 Resp: 15141
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

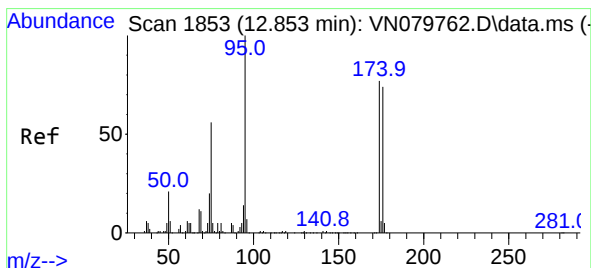
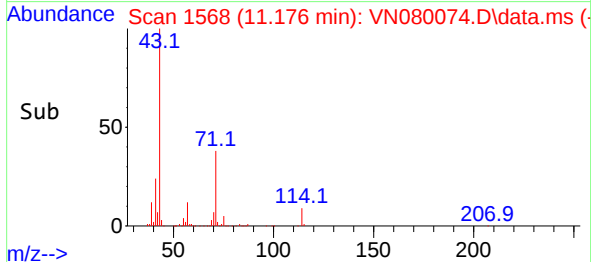
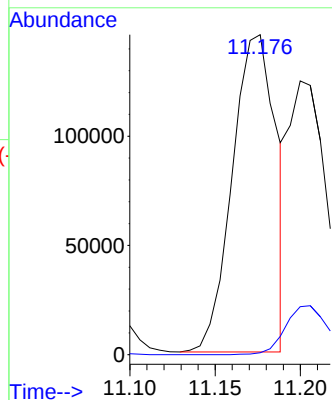
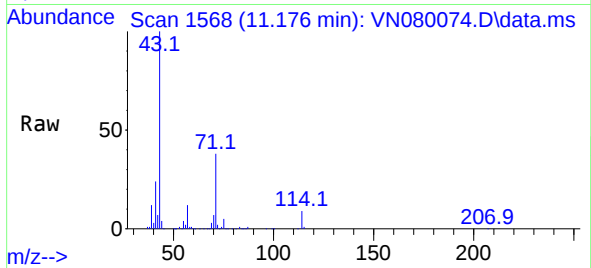




#59
2-Hexanone
Concen: 63.234 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

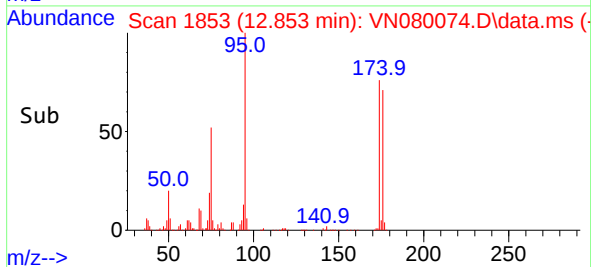
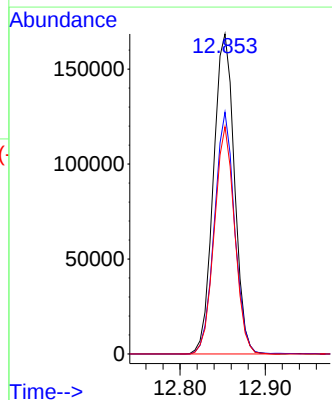
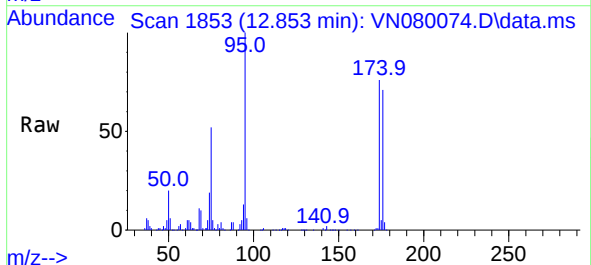
Instrument :
MSVOA_N
ClientSampleId :

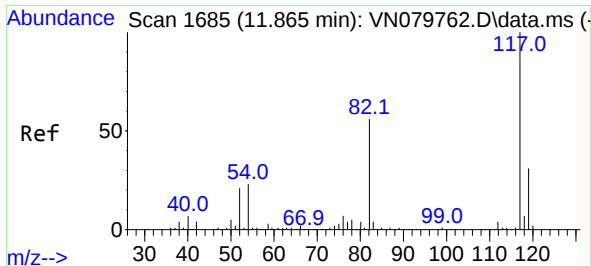
Tgt Ion: 43 Resp: 259806
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 56.745 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Tgt Ion: 95 Resp: 287800
Ion Ratio Lower Upper
95 100
174 72.8 0.0 143.8
176 68.6 0.0 135.8

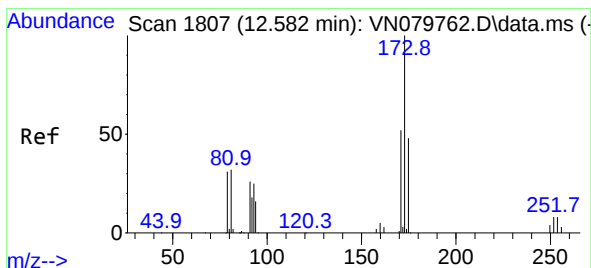
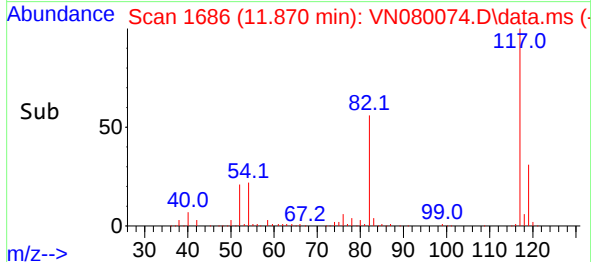
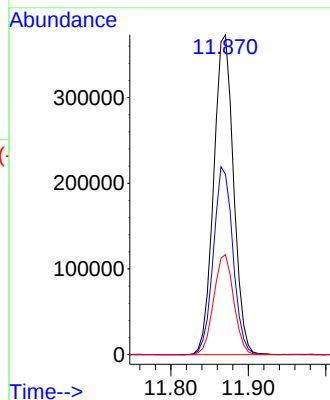
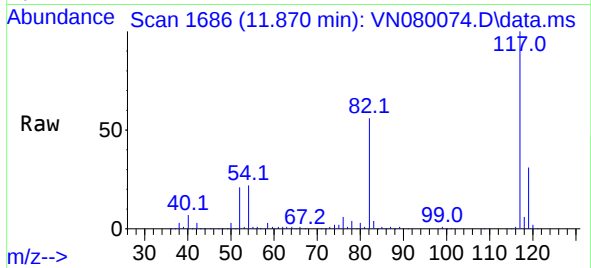




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

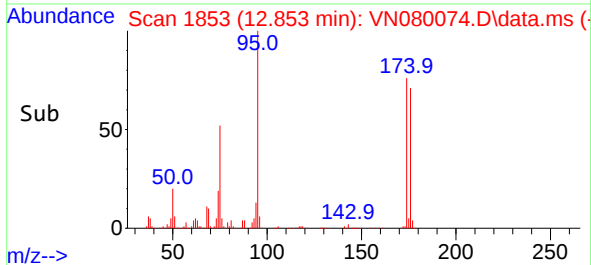
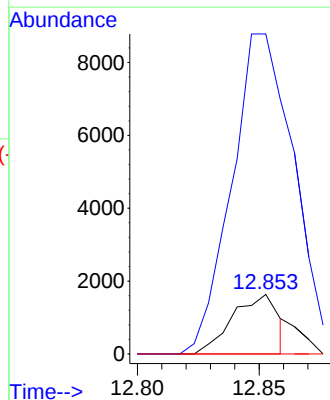
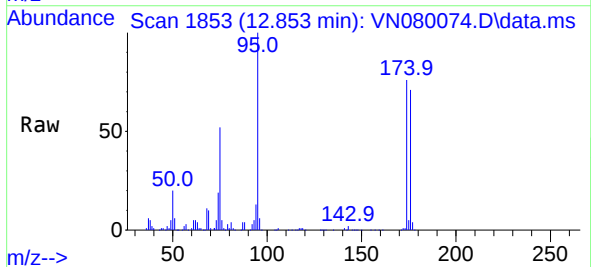
Instrument :
MSVOA_N
ClientSampleId :

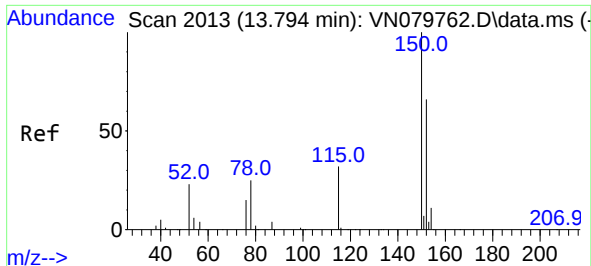
Tgt Ion:117 Resp: 665655
Ion Ratio Lower Upper
117 100
82 56.3 44.0 66.0
119 31.2 25.6 38.4



#71
Bromoform
Concen: 0.581 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

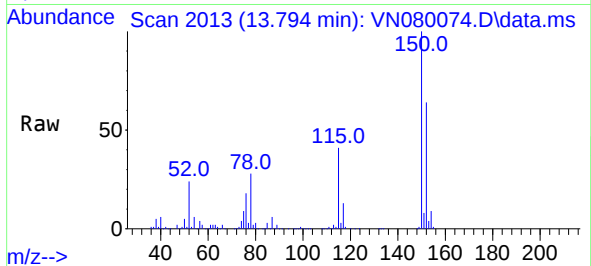
Tgt Ion:173 Resp: 2147
Ion Ratio Lower Upper
173 100
175 576.3 24.3 73.0#
254 0.0 0.0 0.0



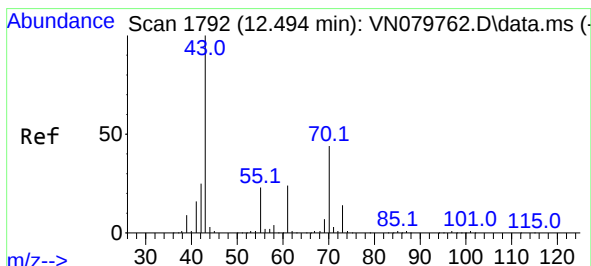
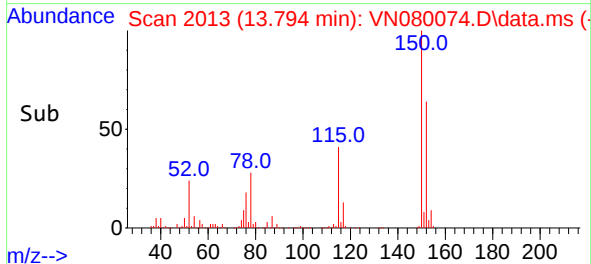
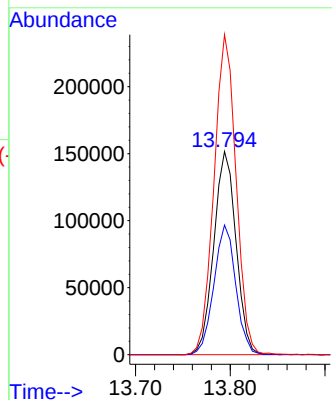


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

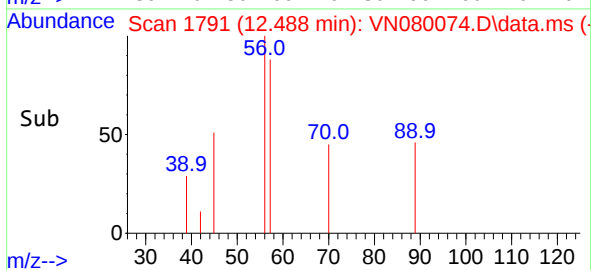
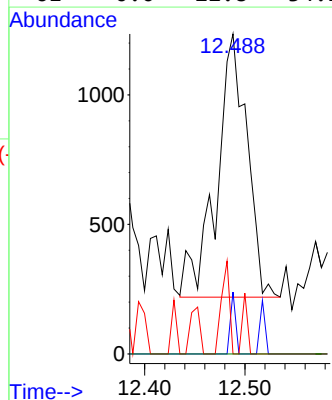
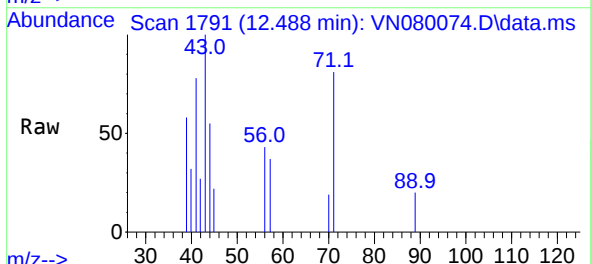


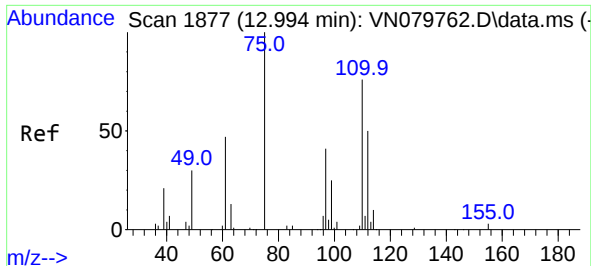
Tgt Ion:152 Resp: 247618
Ion Ratio Lower Upper
152 100
115 62.7 32.3 96.8
150 156.6 0.0 355.8



#74
N-ethyl acetate
Concen: 0.261 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Tgt Ion: 43 Resp: 2142
Ion Ratio Lower Upper
43 100
70 3.9 43.4 65.2#
55 9.3 21.4 32.0#
61 0.0 22.8 34.2#

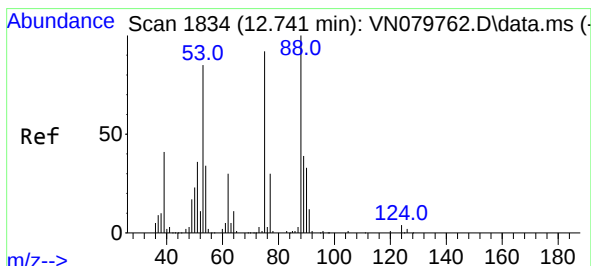
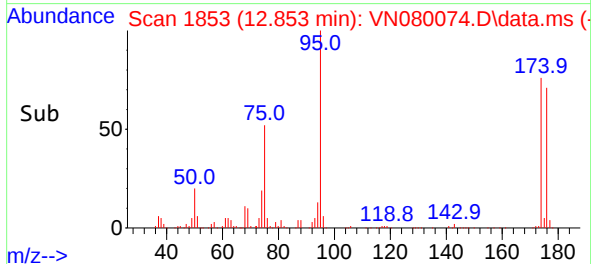
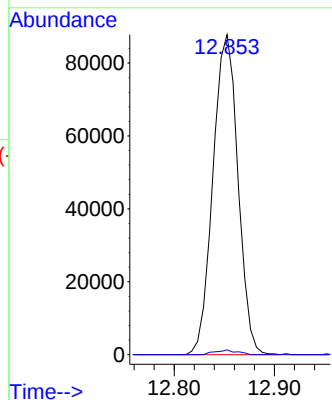
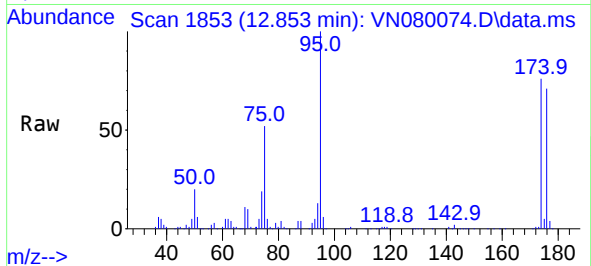




#76
1,2,3-Trichloropropane
Concen: 26.137 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 151944
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.113 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080074.D
Acq: 13 Nov 2023 18:17

Tgt Ion: 75 Resp: 151944
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

