

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079096.D
 Acq On : 29 Aug 2023 16:06
 Operator : JC\MD
 Sample : PB155153ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 23:30:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

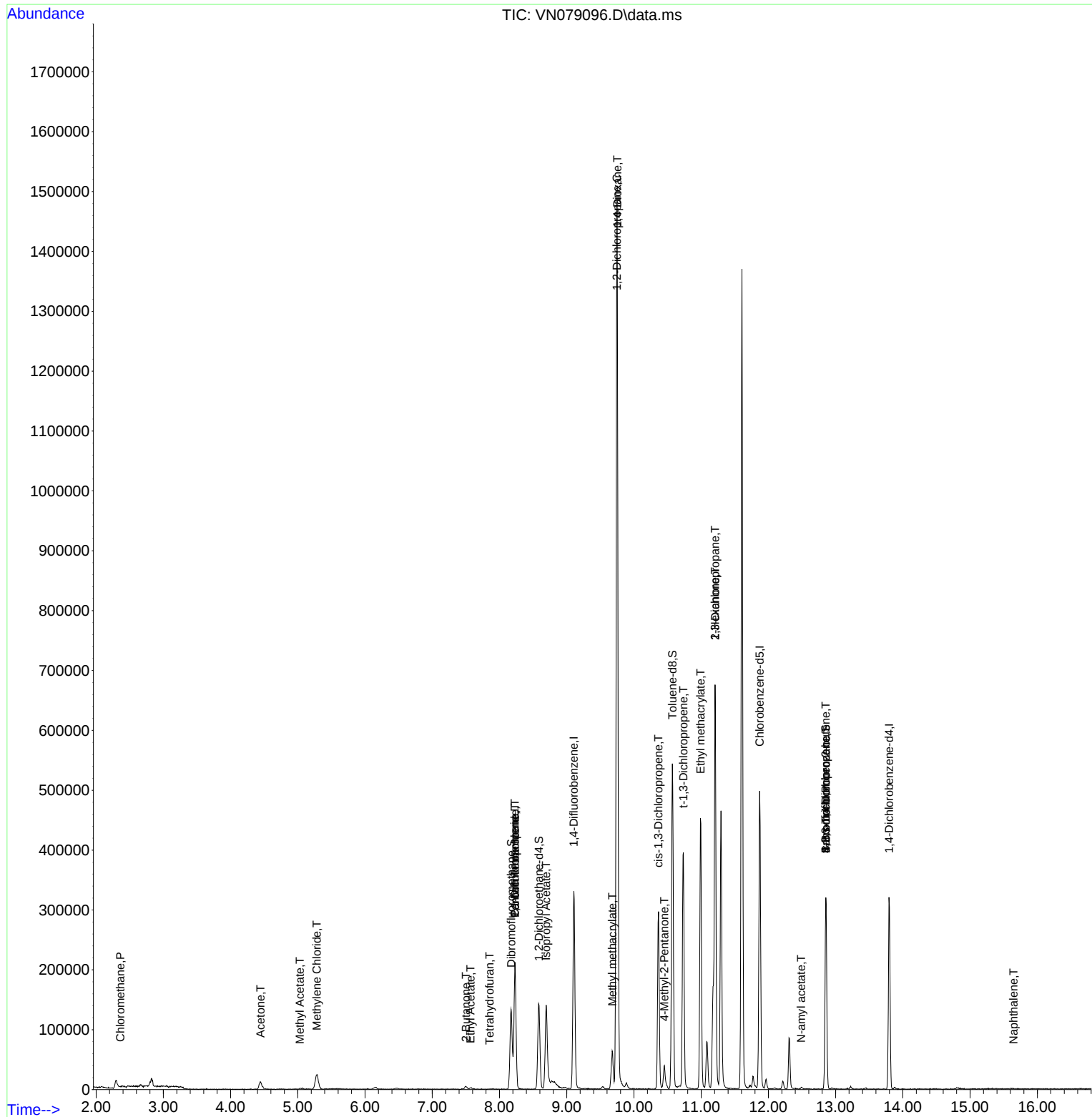
Internal Standards						
1) Pentafluorobenzene	8.230	168	143006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	279323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	116317	52.270	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.540%	
35) Dibromofluoromethane	8.177	113	91774	48.995	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.980%	
50) Toluene-d8	10.571	98	362729	52.153	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.300%	
62) 4-Bromofluorobenzene	12.853	95	104262	45.862	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	810	0.292	ug/l #	42
16) Acetone	4.448	43	24411	26.586	ug/l #	82
18) Methyl Acetate	5.030	43	2110	0.544	ug/l #	75
20) Methylene Chloride	5.283	84	19113	9.768	ug/l #	80
25) 2-Butanone	7.500	43	8445	5.737	ug/l #	74
29) Tetrahydrofuran	7.853	42	230	0.236	ug/l #	20
31) Cyclohexane	8.230	56	3991	Below Cal	#	14
36) 1,1-Dichloropropene	8.230	75	12597	4.471	ug/l #	50
37) Ethyl Acetate	7.571	43	4359	1.383	ug/l #	78
38) Carbon Tetrachloride	8.230	117	16009	5.670	ug/l #	17
43) Isopropyl Acetate	8.694	43	165037	29.618	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	1625	0.733	ug/l #	45
48) Methyl methacrylate	9.677	41	4263	1.688	ug/l #	3
49) 1,4-Dioxane	9.753	88	222	5.162	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	32255	9.760	ug/l #	73
53) t-1,3-Dichloropropene	10.735	75	1217	0.378	ug/l #	82
54) cis-1,3-Dichloropropene	10.365	75	47921	13.662	ug/l #	70
56) Ethyl methacrylate	10.988	69	2045	0.643	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6857	1.870	ug/l #	42
59) 2-Hexanone	11.206	43	93210	38.939	ug/l #	46
71) Bromoform	12.853	173	1235	0.756	ug/l #	1
74) N-amyl acetate	12.488	43	1424	0.399	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	59062	28.911	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59062	73.855	ug/l #	15
95) Naphthalene	15.647	128	279	2.642	ug/l #	70

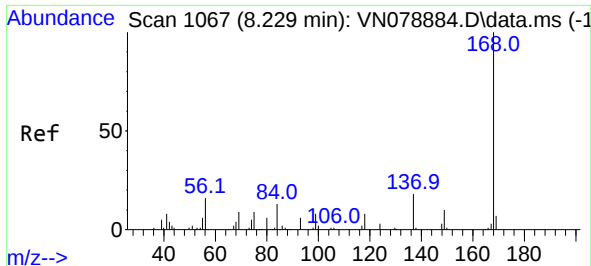
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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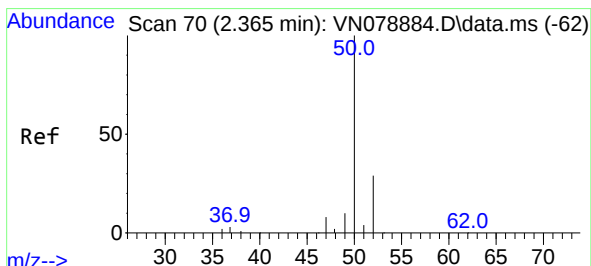
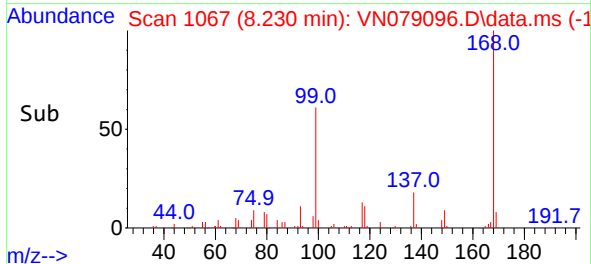
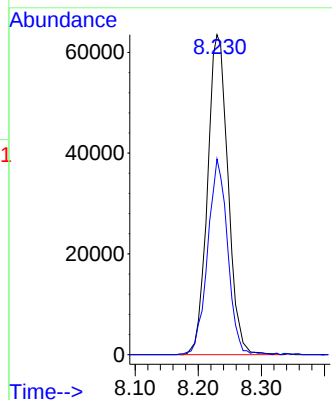
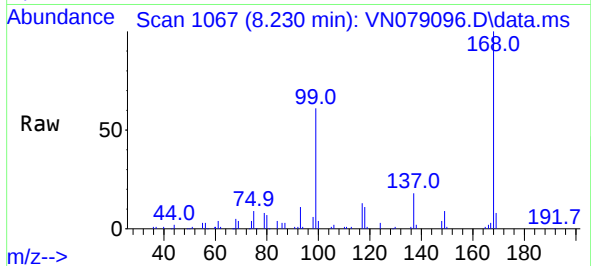




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

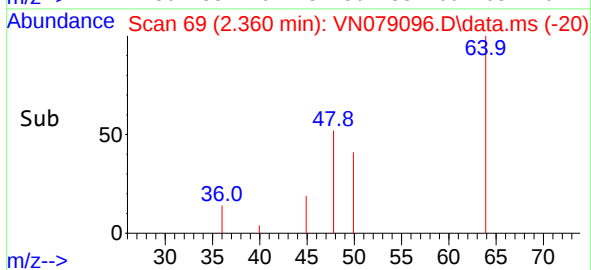
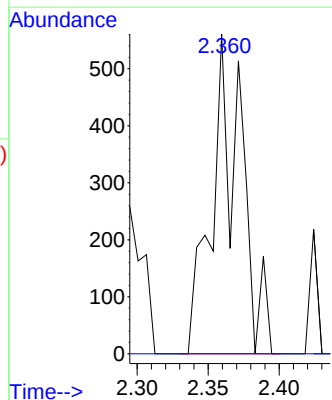
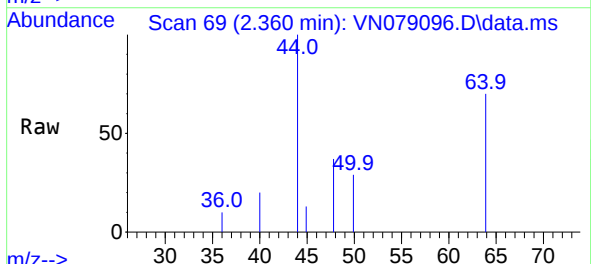
Instrument :
MSVOA_N
ClientSampleId :

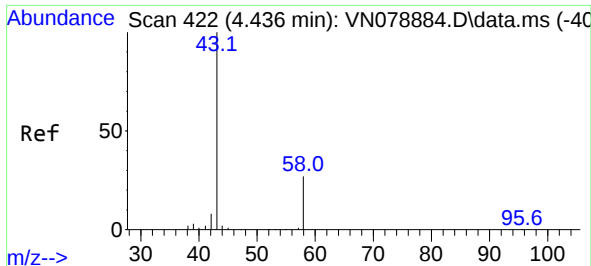
Tgt Ion:168 Resp: 143006
Ion Ratio Lower Upper
168 100
99 61.2 53.0 79.6



#3
Chloromethane
Concen: 0.292 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.011 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Tgt Ion: 50 Resp: 810
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

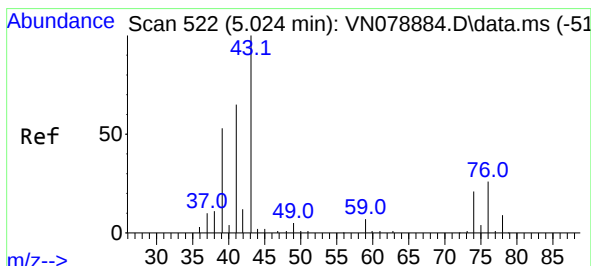
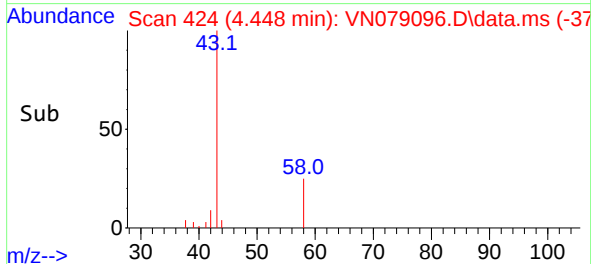
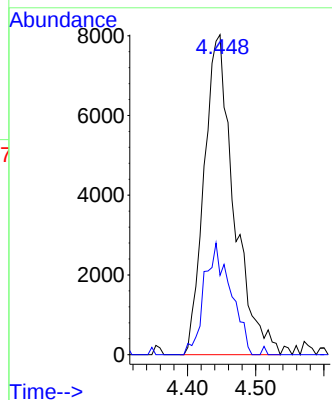
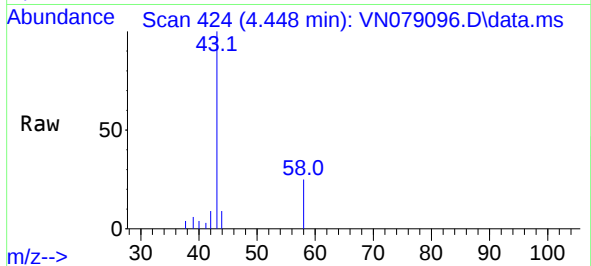




#16
Acetone
Concen: 26.586 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

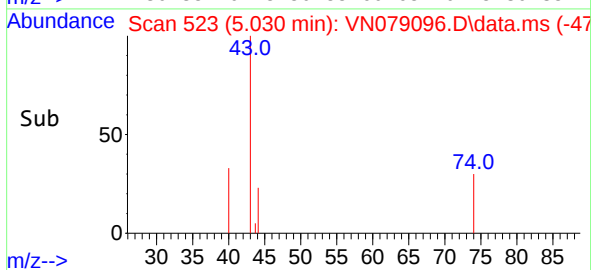
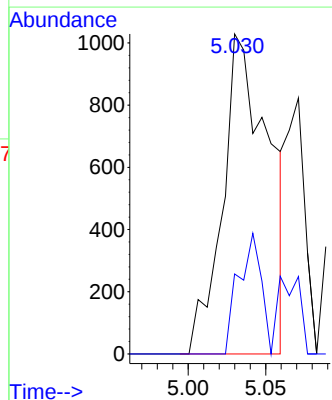
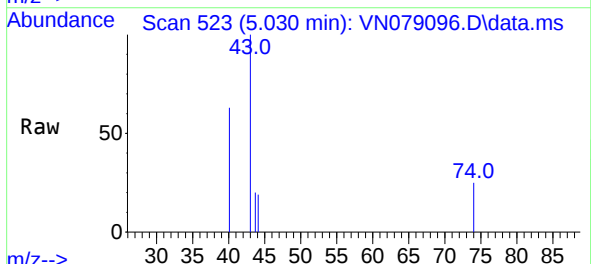
Instrument :
MSVOA_N
ClientSampleId :

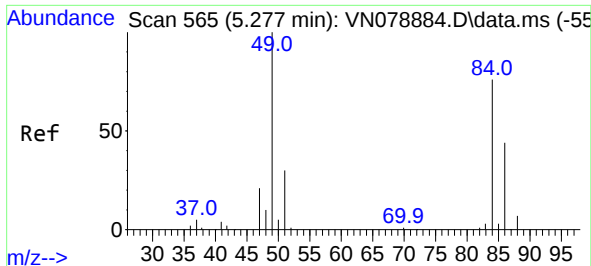
Tgt Ion: 43 Resp: 24411
Ion Ratio Lower Upper
43 100
58 24.8 28.0 42.0#



#18
Methyl Acetate
Concen: 0.544 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.012 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

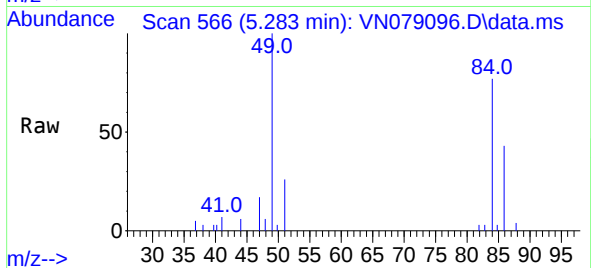
Tgt Ion: 43 Resp: 2110
Ion Ratio Lower Upper
43 100
74 18.7 26.2 39.4#





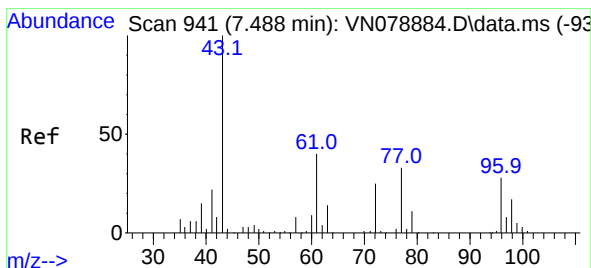
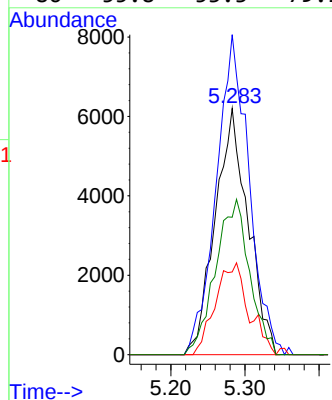
#20
Methylene Chloride
Concen: 9.768 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 19113

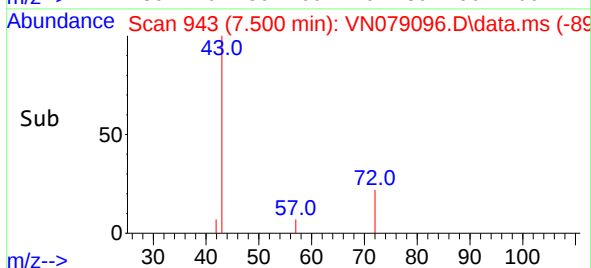
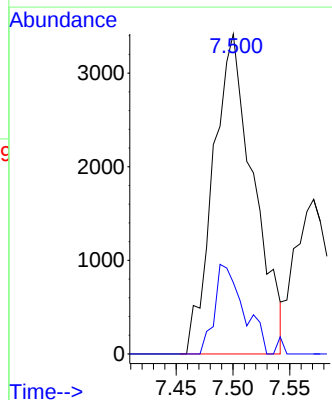
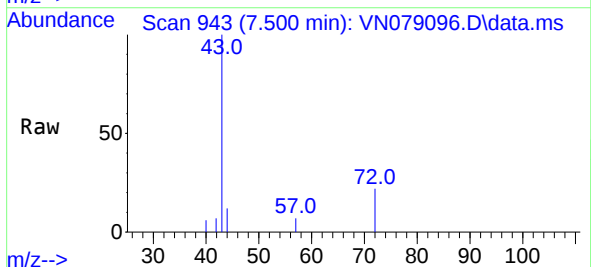
Ion	Ratio	Lower	Upper
84	100		
49	129.9	79.7	119.5#
51	33.6	25.2	37.8
86	55.8	53.3	79.9

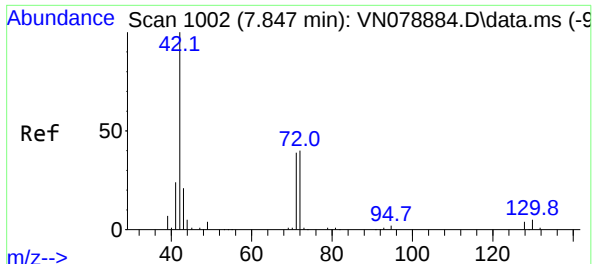


#25
2-Butanone
Concen: 5.737 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Tgt Ion: 43 Resp: 8445

Ion	Ratio	Lower	Upper
43	100		
72	22.3	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 7.853 min Scan# 10

Delta R.T. 0.006 min

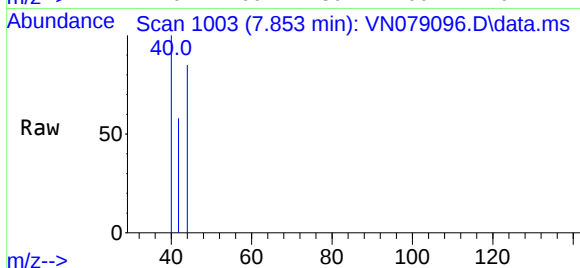
Lab File: VN079096.D

Acq: 29 Aug 2023 16:06

Instrument :

MSVOA_N

ClientSampleId :



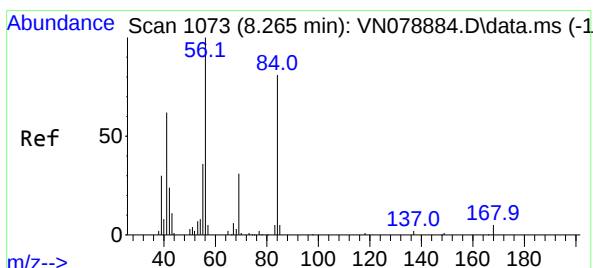
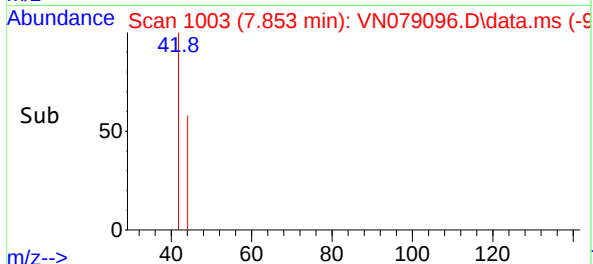
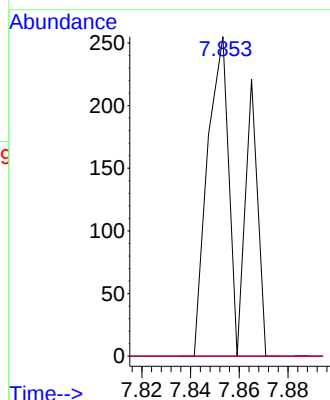
Tgt Ion: 42 Resp: 230

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: Below Cal

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN079096.D

Acq: 29 Aug 2023 16:06

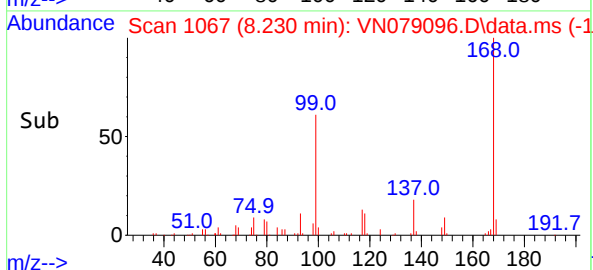
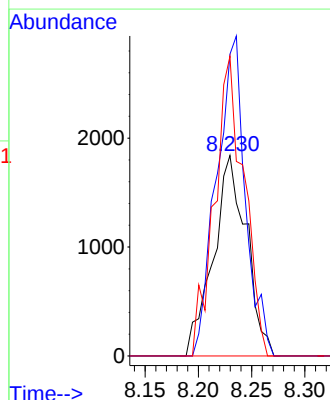
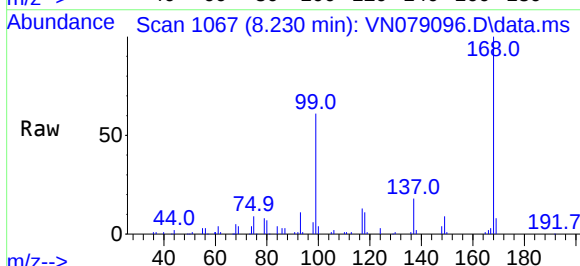
Tgt Ion: 56 Resp: 3991

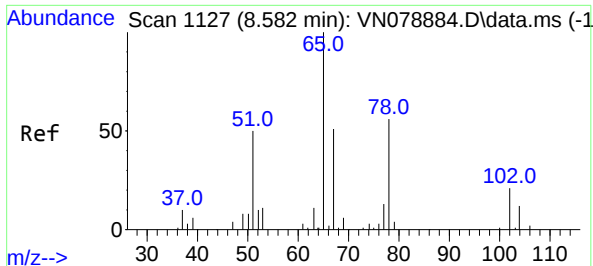
Ion Ratio Lower Upper

56 100

69 150.5 26.8 40.2#

84 149.4 81.8 122.6#

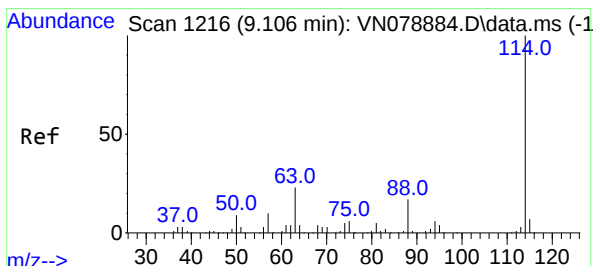
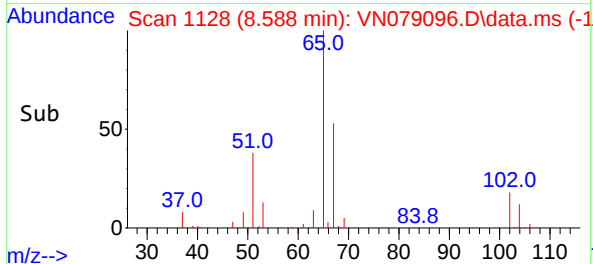
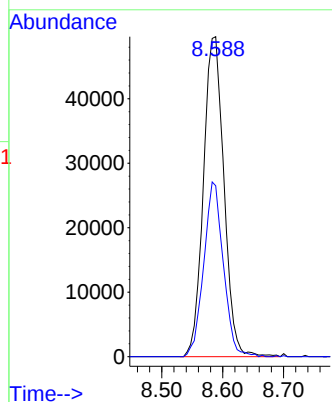
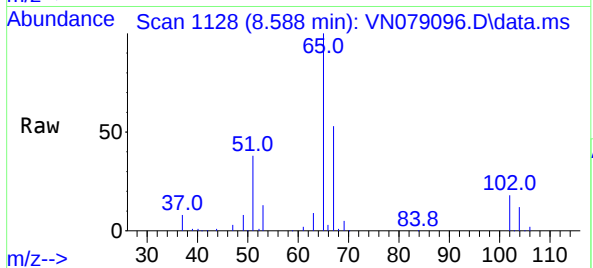




#33
1,2-Dichloroethane-d4
Concen: 52.270 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

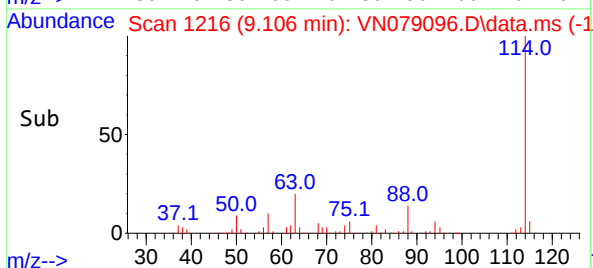
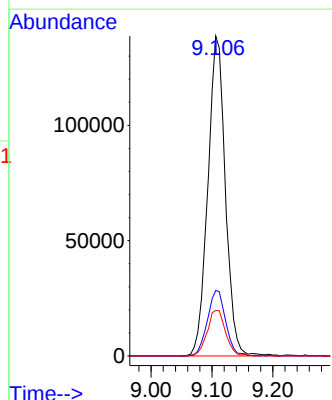
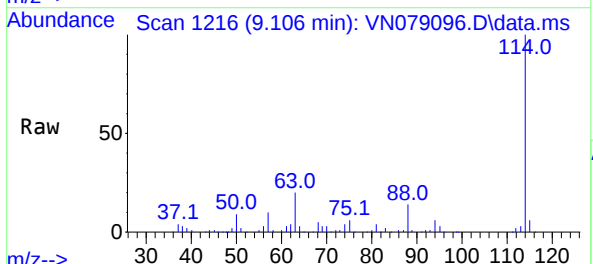
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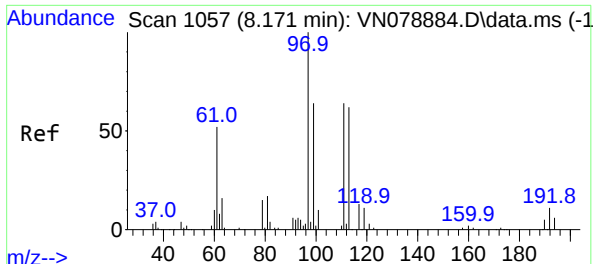
Tgt Ion: 65 Resp: 116317
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

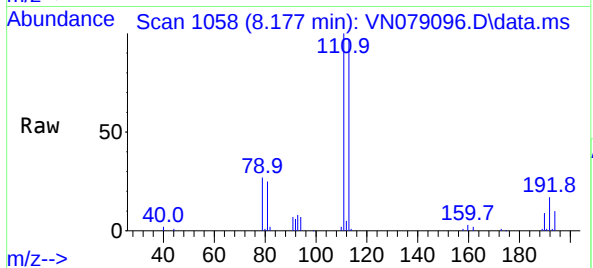
Tgt Ion: 114 Resp: 278267
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.4
88 14.2 0.0 30.6



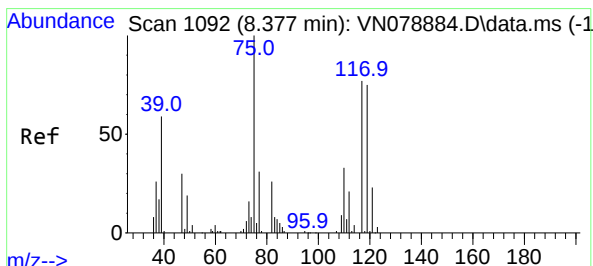
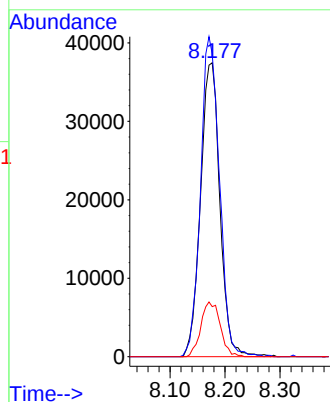
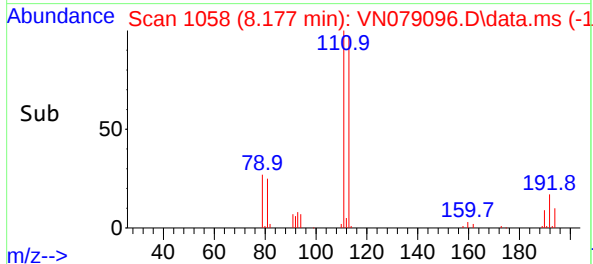


#35
Dibromofluoromethane
Concen: 48.995 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Instrument :
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ClientSampleId :

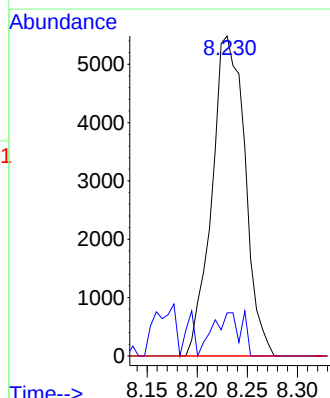
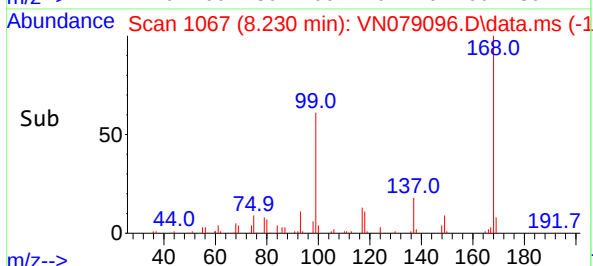
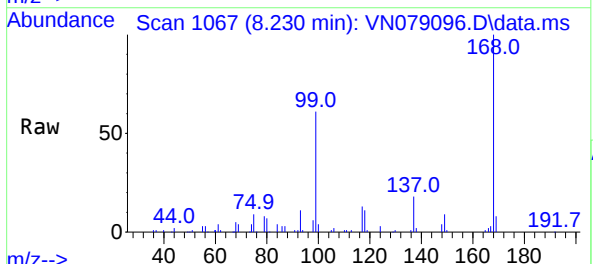


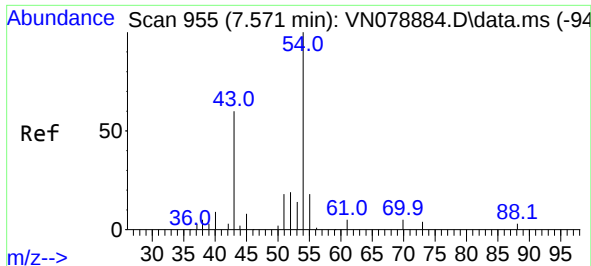
Tgt Ion:113 Resp: 91774
Ion Ratio Lower Upper
113 100
111 106.3 82.6 123.8
192 18.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.471 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Tgt Ion: 75 Resp: 12597
Ion Ratio Lower Upper
75 100
110 11.7 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.383 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN079096.D

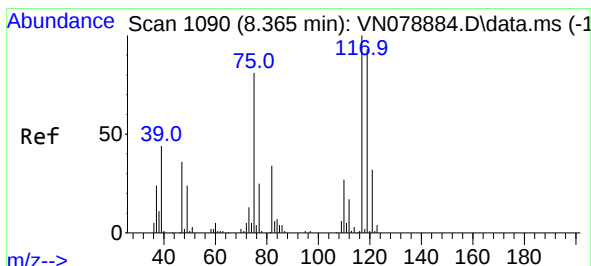
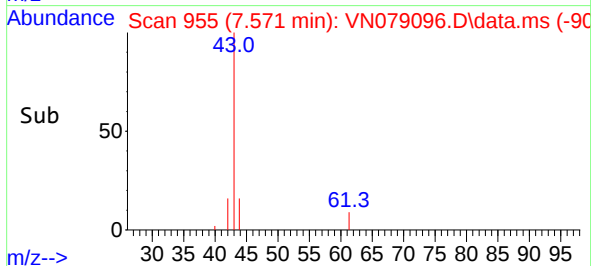
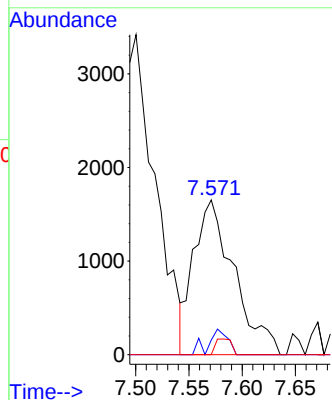
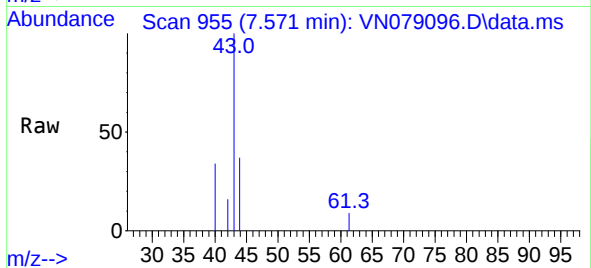
Acq: 29 Aug 2023 16:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp:	4359
Ion	Ratio	Lower Upper
43	100	
61	7.8	13.2 19.8#
70	4.0	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 5.670 ug/l

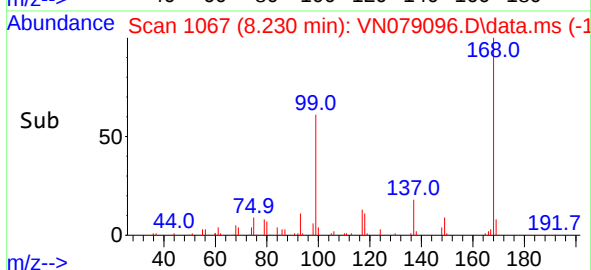
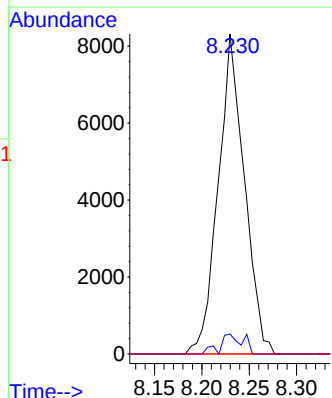
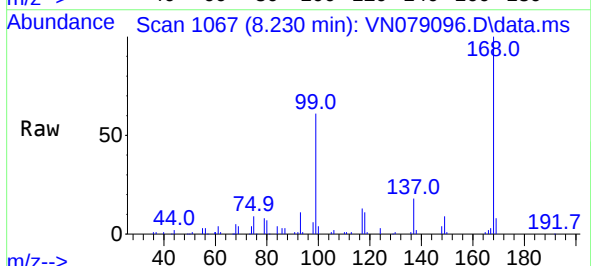
RT: 8.230 min Scan# 1067

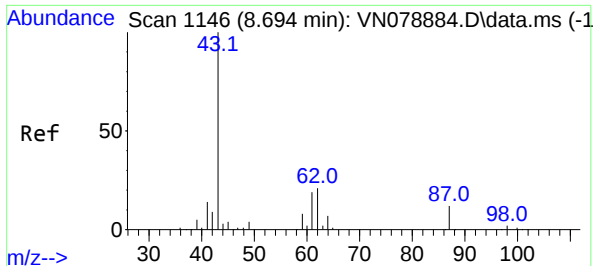
Delta R.T. -0.141 min

Lab File: VN079096.D

Acq: 29 Aug 2023 16:06

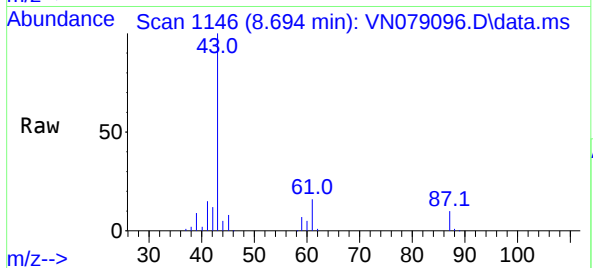
Tgt Ion: 117	Resp:	16009
Ion	Ratio	Lower Upper
117	100	
119	6.2	77.3 115.9#
121	0.0	23.3 34.9#



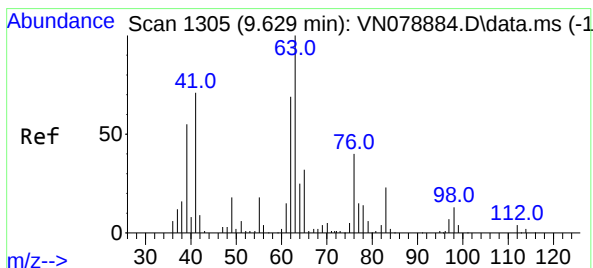
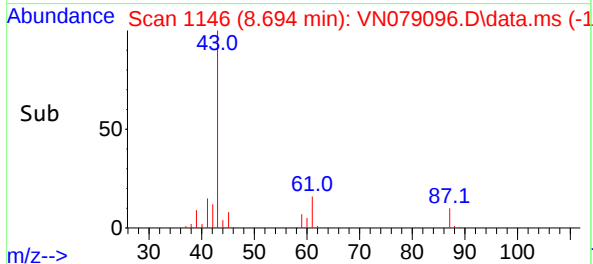
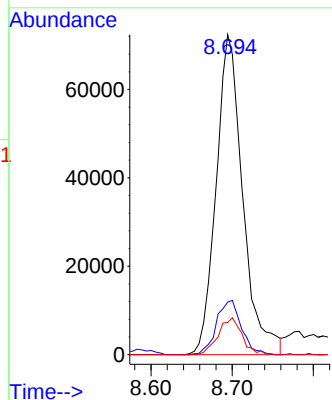


#43
Isopropyl Acetate
Concen: 29.618 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Instrument :
MSVOA_N
ClientSampleId :

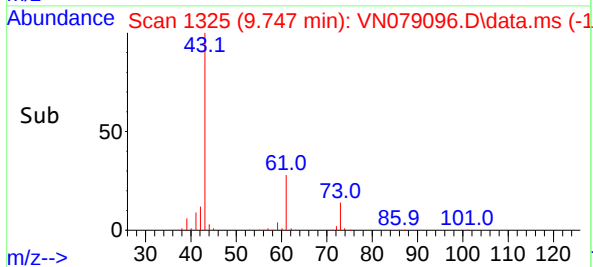
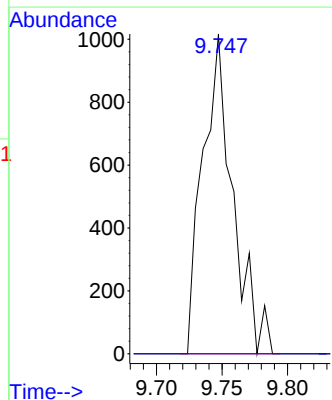
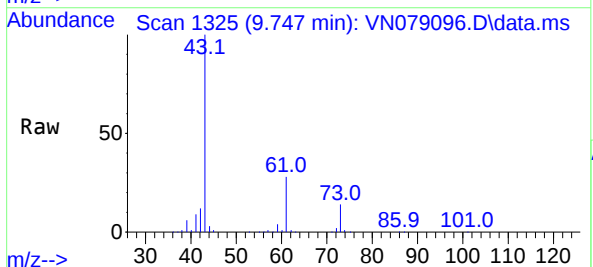


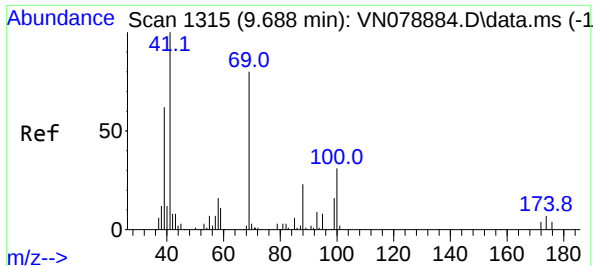
Tgt Ion: 43 Resp: 165037
Ion Ratio Lower Upper
43 100
61 15.9 24.7 37.1#
87 10.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.733 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

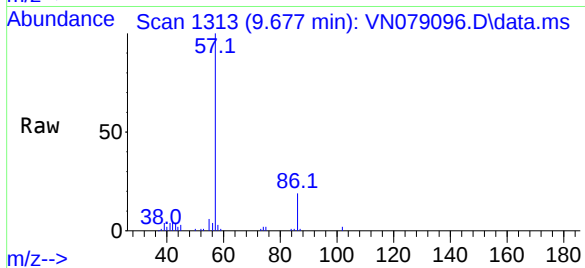
Tgt Ion: 63 Resp: 1625
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



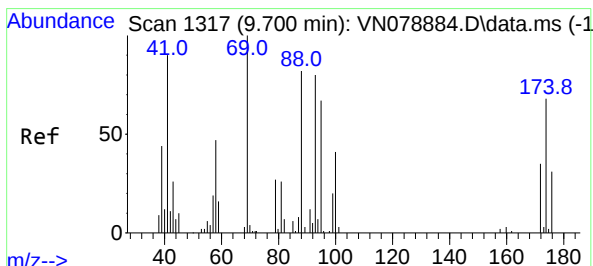
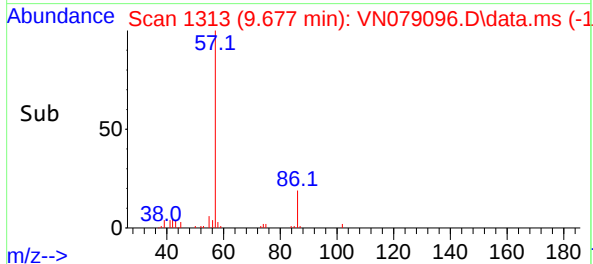
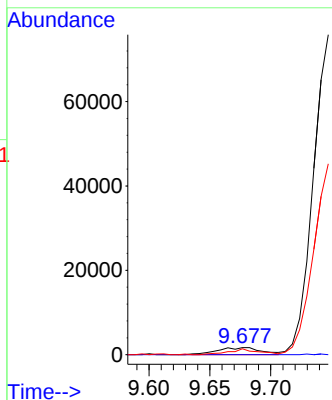


#48
Methyl methacrylate
Concen: 1.688 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Instrument :
MSVOA_N
ClientSampleId :

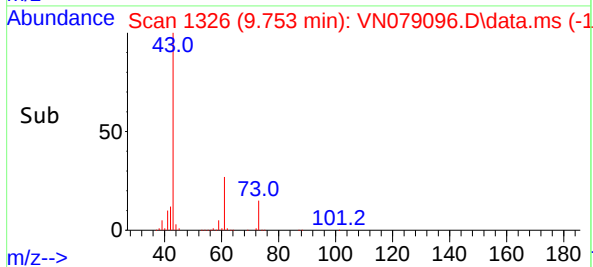
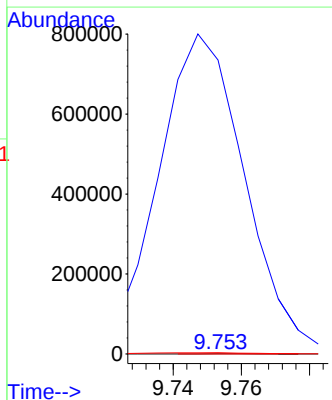
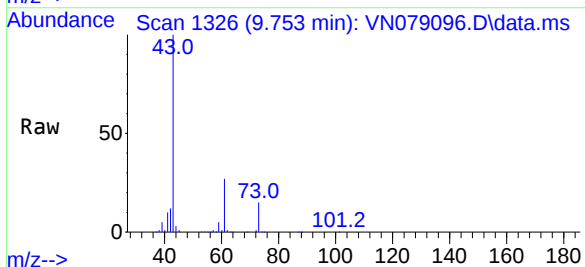


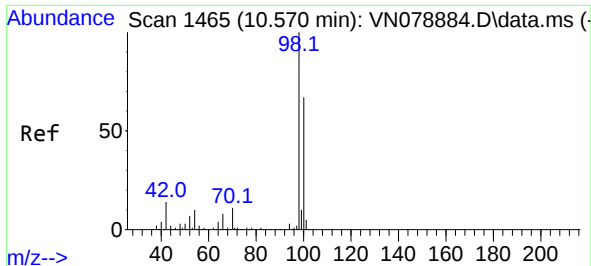
Tgt Ion: 41 Resp: 4263
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#



#49
1,4-Dioxane
Concen: 5.162 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.053 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Tgt Ion: 88 Resp: 222
Ion Ratio Lower Upper
88 100
43 650514.4 17.0 25.6#
58 3005.4 47.0 70.4#

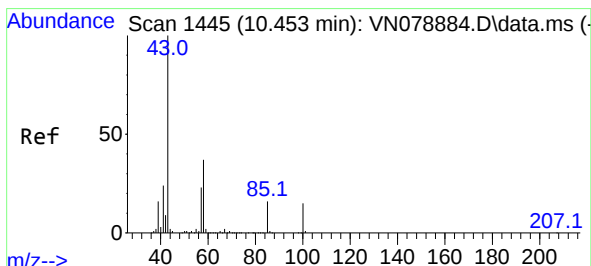
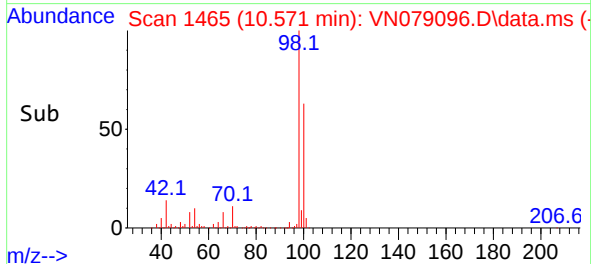
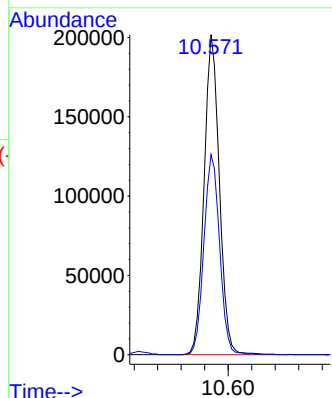
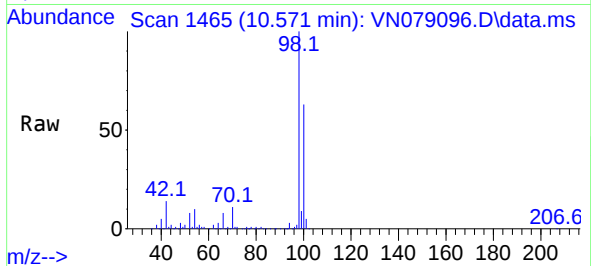




#50
Toluene-d8
Concen: 52.153 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

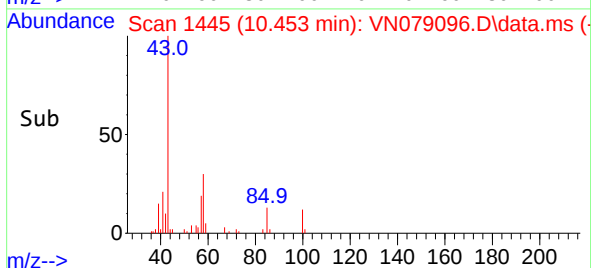
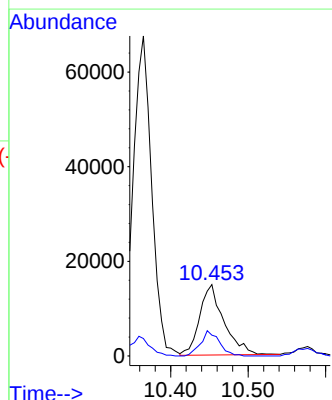
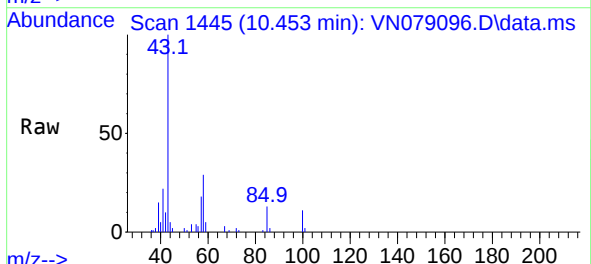
Instrument :
MSVOA_N
ClientSampleId :

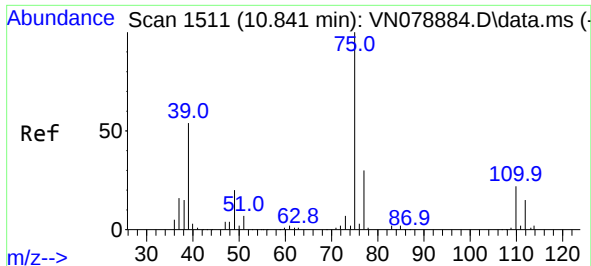
Tgt Ion: 98 Resp: 362729
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 9.760 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Tgt Ion: 43 Resp: 32255
Ion Ratio Lower Upper
43 100
58 27.6 36.6 54.8#

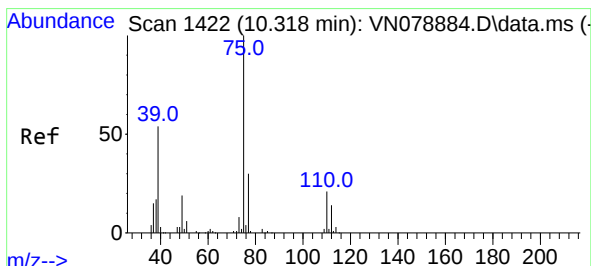
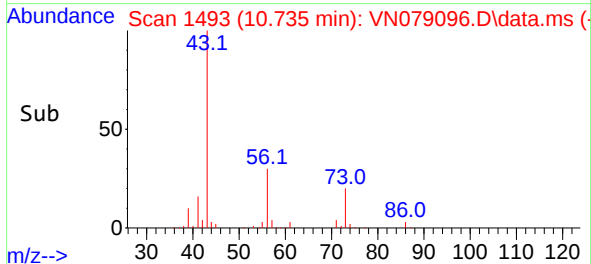
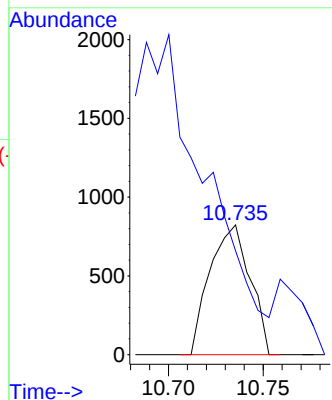
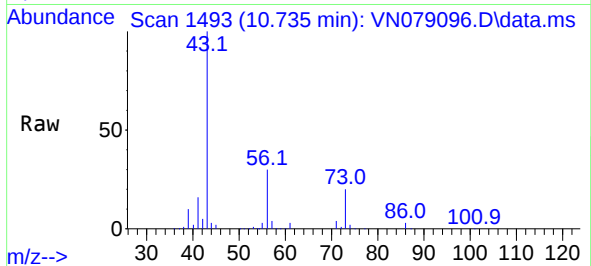




#53
t-1,3-Dichloropropene
Concen: 0.378 ug/l
RT: 10.735 min Scan# 14
Delta R.T. -0.106 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

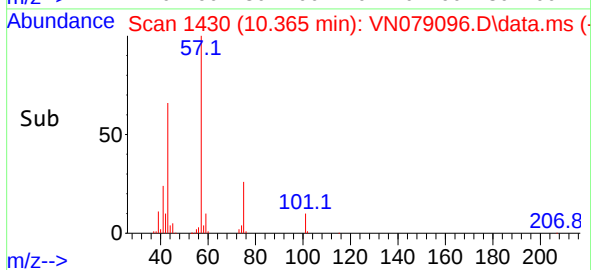
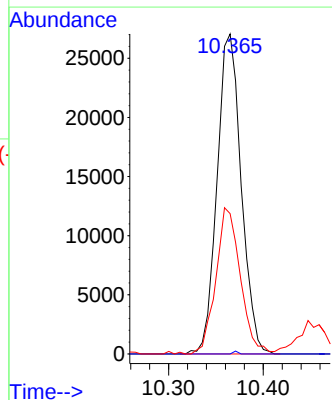
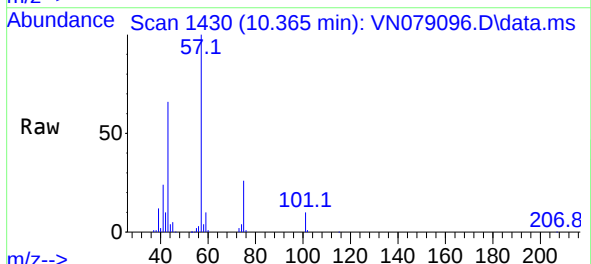
Instrument :
MSVOA_N
ClientSampleId :

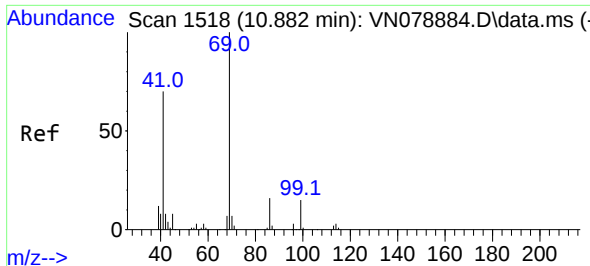
Tgt Ion: 75 Resp: 1217
Ion Ratio Lower Upper
75 100
77 21.8 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 13.662 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Tgt Ion: 75 Resp: 47921
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 43.3 31.6 47.4

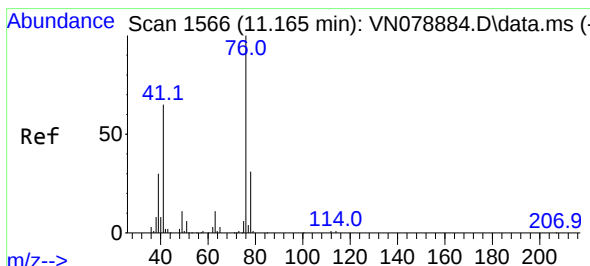
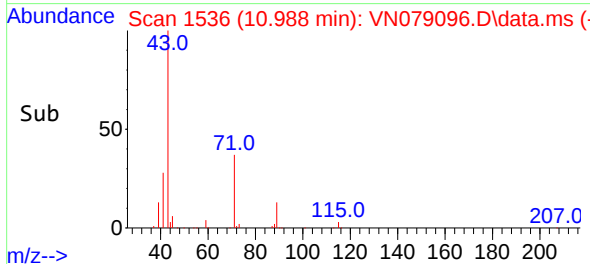
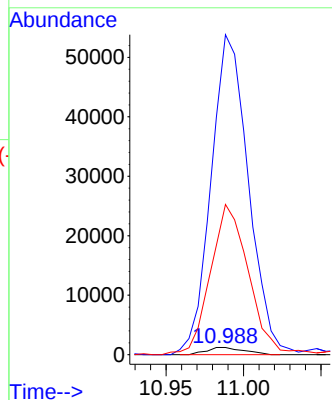
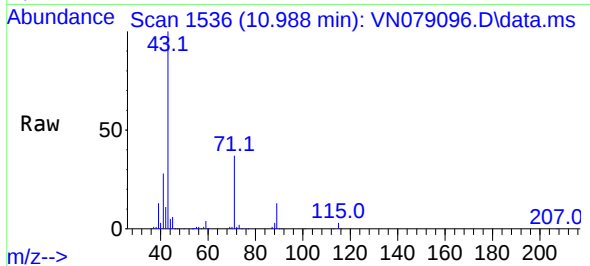




#56
Ethyl methacrylate
Concen: 0.643 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

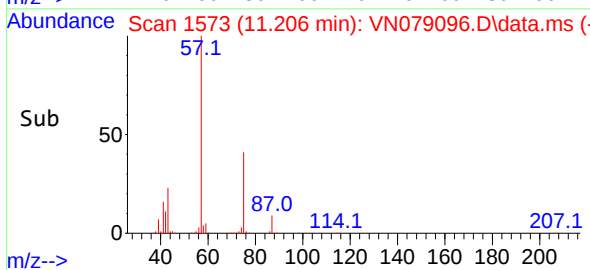
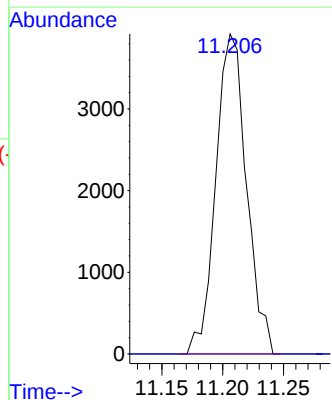
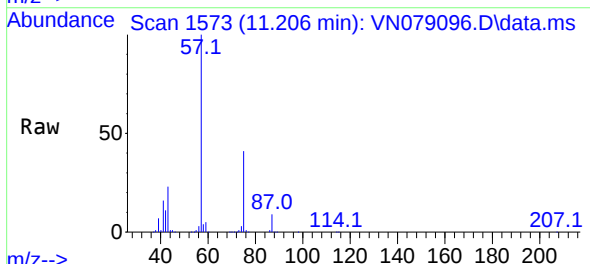
Instrument :
MSVOA_N
ClientSampleId :

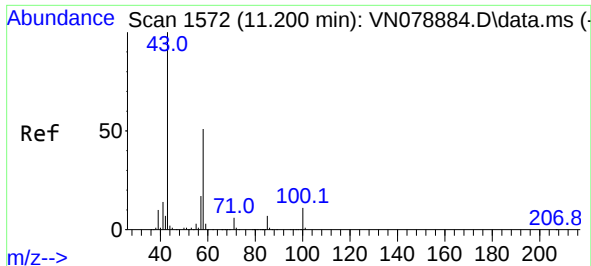
Tgt Ion: 69 Resp: 2045
Ion Ratio Lower Upper
69 100
41 4422.8 39.6 59.4#
39 2123.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.870 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

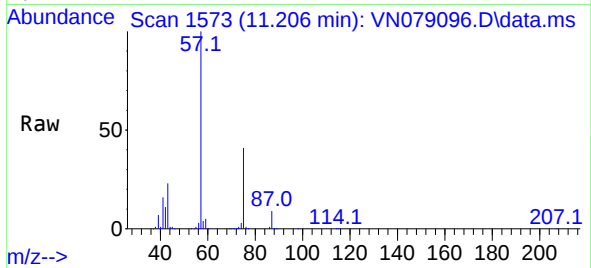
Tgt Ion: 76 Resp: 6857
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



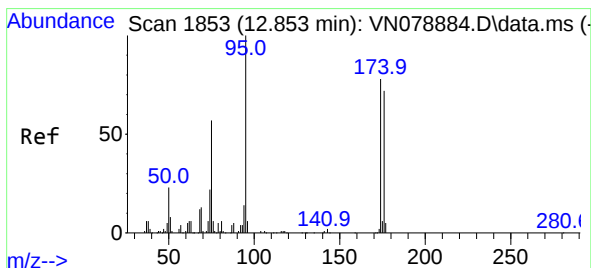
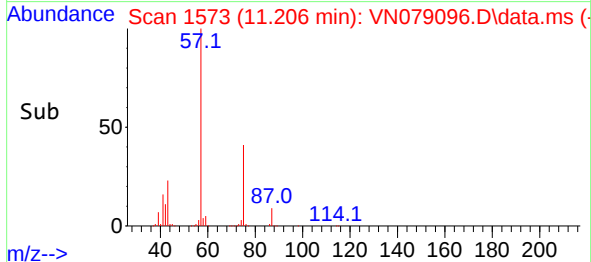
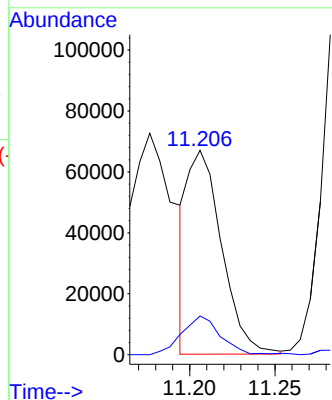


#59
2-Hexanone
Concen: 38.939 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Instrument :
MSVOA_N
ClientSampleId :

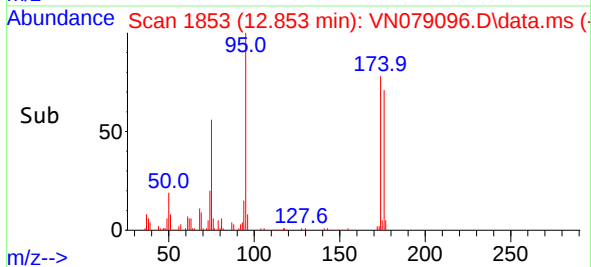
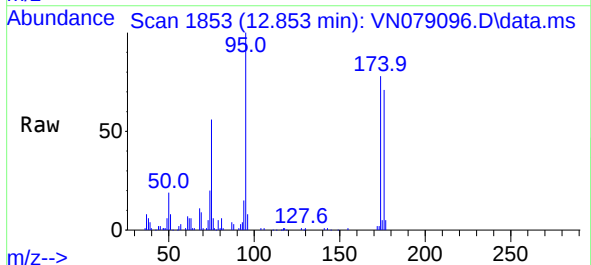
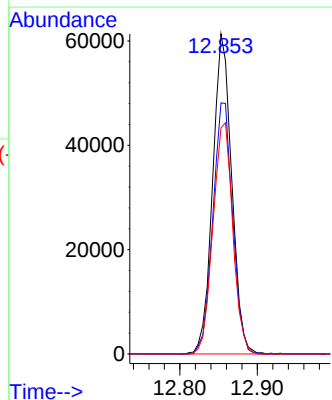


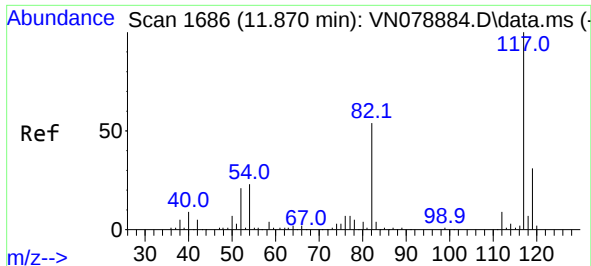
Tgt Ion: 43 Resp: 93210
Ion Ratio Lower Upper
43 100
58 21.6 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.862 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

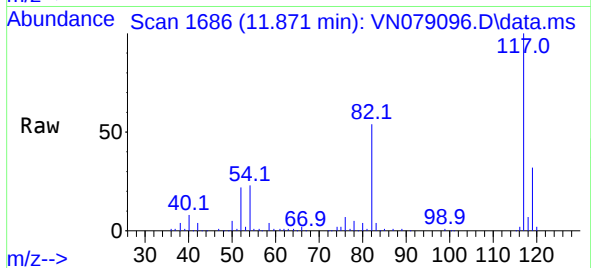
Tgt Ion: 95 Resp: 104262
Ion Ratio Lower Upper
95 100
174 82.0 0.0 143.8
176 75.4 0.0 135.8



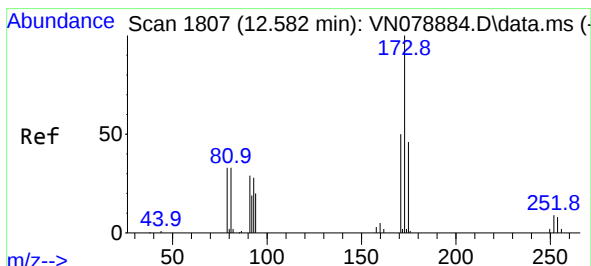
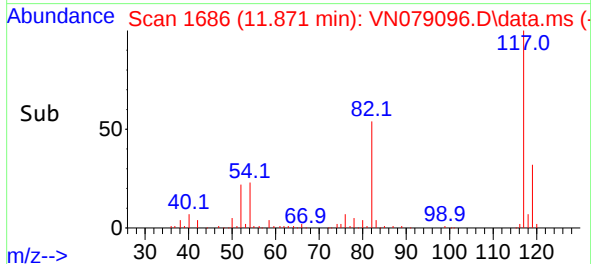
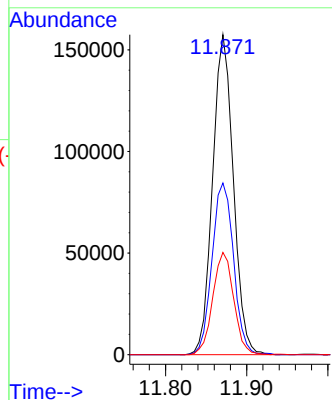


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Instrument :
MSVOA_N
ClientSampleId :

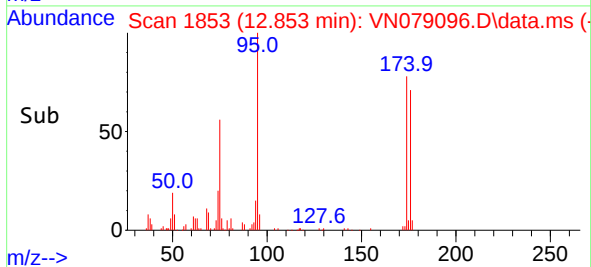
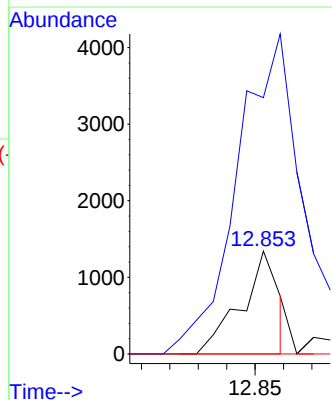
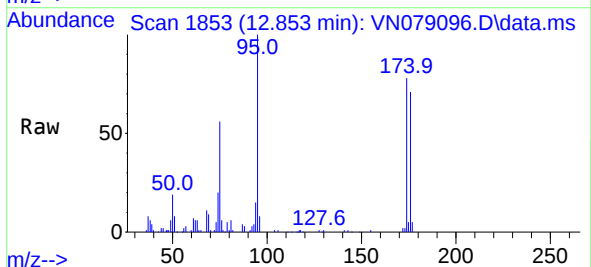


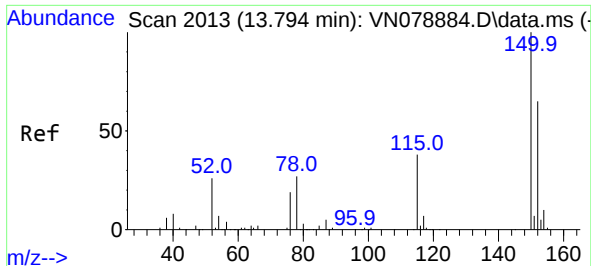
Tgt Ion:117 Resp: 279323
Ion Ratio Lower Upper
117 100
82 53.6 44.0 66.0
119 32.0 25.6 38.4



#71
Bromoform
Concen: 0.756 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Tgt Ion:173 Resp: 1235
Ion Ratio Lower Upper
173 100
175 279.2 24.3 73.0#
254 0.0 0.0 0.0

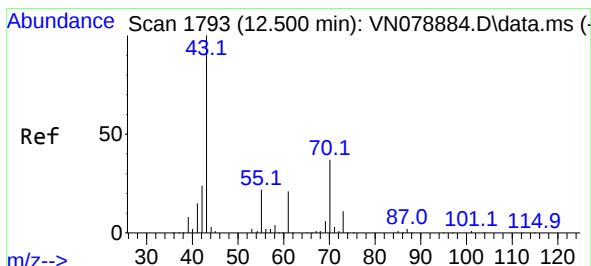
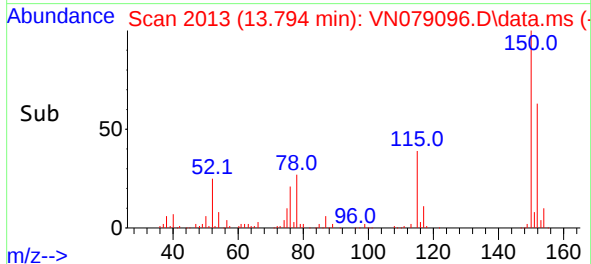
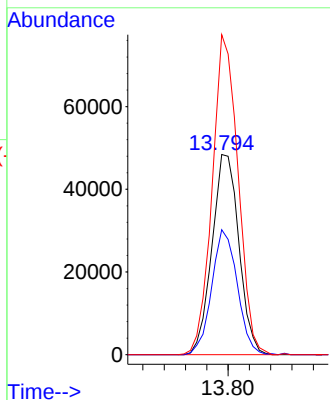
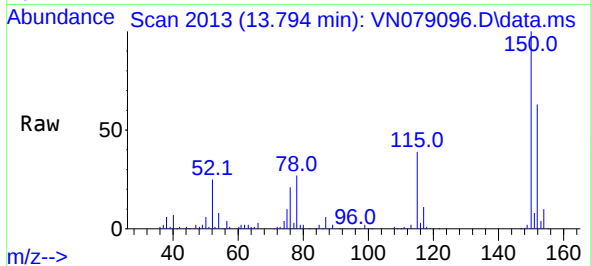




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

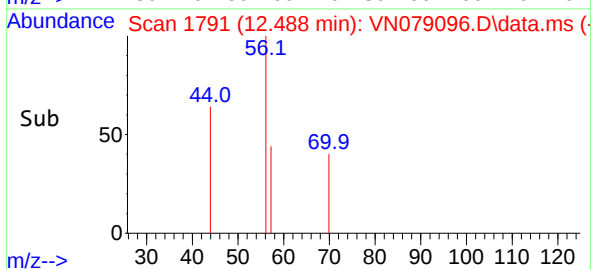
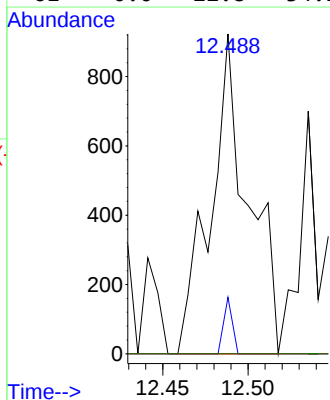
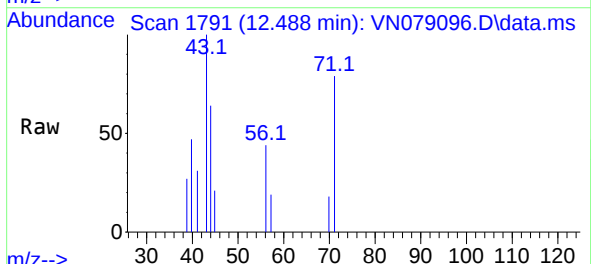
Instrument :
MSVOA_N
ClientSampleId :

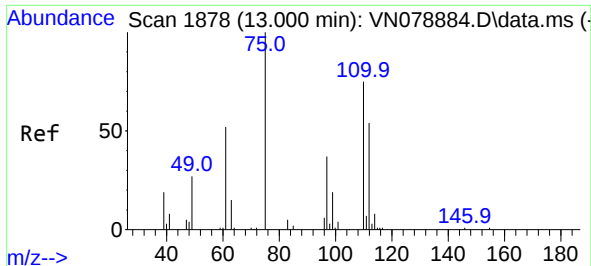
Tgt Ion:152 Resp: 84784
Ion Ratio Lower Upper
152 100
115 59.4 32.3 96.8
150 153.5 0.0 355.8



#74
N-ethyl acetate
Concen: 0.399 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Tgt Ion: 43 Resp: 1424
Ion Ratio Lower Upper
43 100
70 4.1 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

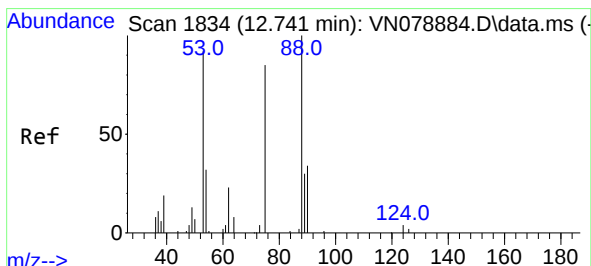
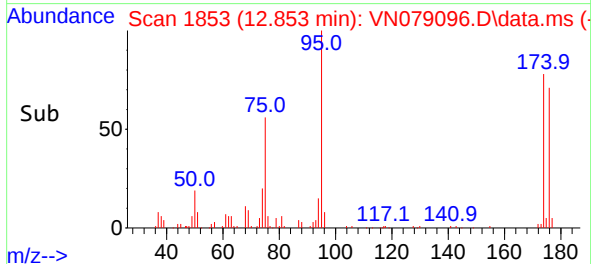
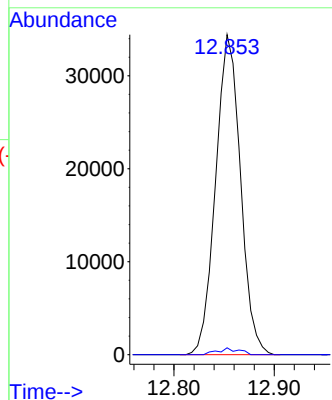
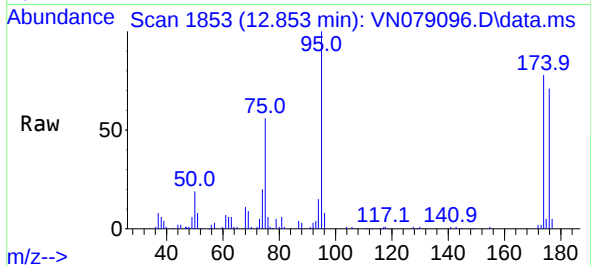




#76
1,2,3-Trichloropropane
Concen: 28.911 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

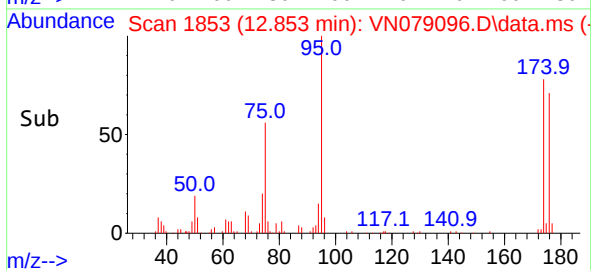
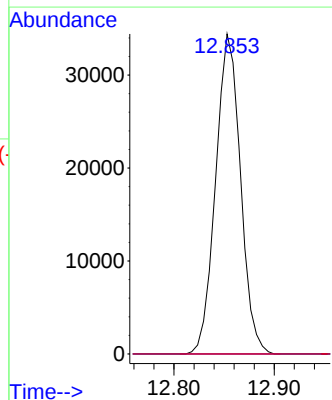
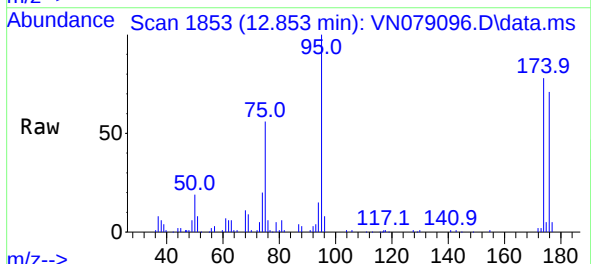
Instrument :
MSVOA_N
ClientSampleId :

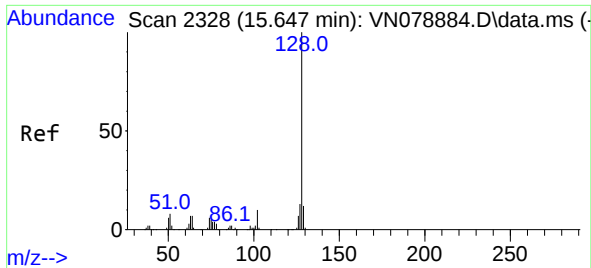
Tgt Ion: 75 Resp: 59062
Ion Ratio Lower Upper
75 100
77 1.8 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.855 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Tgt Ion: 75 Resp: 59062
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.642 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079096.D
Acq: 29 Aug 2023 16:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 279
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

