

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079097.D
 Acq On : 29 Aug 2023 16:30
 Operator : JC\MD
 Sample : PB155153ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 23:30:53 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

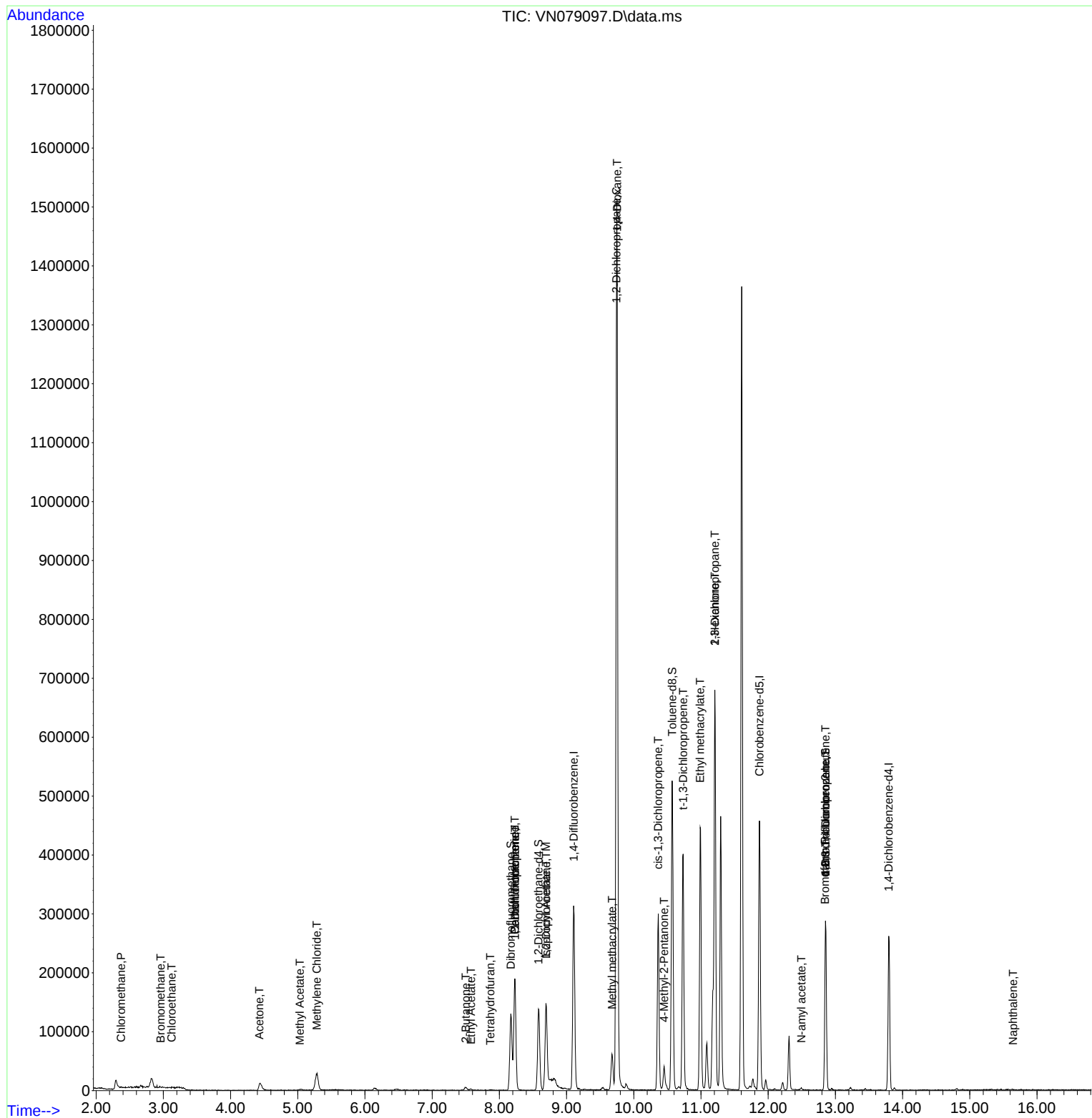
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	134277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	262163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	256832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	68785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	110489	52.879	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.760%	
35) Dibromofluoromethane	8.171	113	92221	52.257	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.520%	
50) Toluene-d8	10.571	98	347404	53.017	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.040%	
62) 4-Bromofluorobenzene	12.853	95	94094	43.932	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.860%	
Target Compounds						Qvalue
3) Chloromethane	2.371	50	826	0.318	ug/l	91
5) Bromomethane	2.959	94	413	0.315	ug/l #	59
6) Chloroethane	3.124	64	963	0.604	ug/l #	43
16) Acetone	4.430	43	23975	27.809	ug/l #	73
18) Methyl Acetate	5.030	43	1385	0.380	ug/l #	88
20) Methylene Chloride	5.283	84	20291	11.044	ug/l #	84
25) 2-Butanone	7.500	43	8497	6.147	ug/l #	58
29) Tetrahydrofuran	7.865	42	619	0.677	ug/l #	26
31) Cyclohexane	8.224	56	3602	Below Cal	#	58
36) 1,1-Dichloropropene	8.236	75	12312	4.638	ug/l #	47
37) Ethyl Acetate	7.577	43	4155	1.399	ug/l #	67
38) Carbon Tetrachloride	8.230	117	14802	5.565	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	876	0.299	ug/l #	73
43) Isopropyl Acetate	8.694	43	172842	32.924	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	1622	0.776	ug/l #	45
48) Methyl methacrylate	9.677	41	4277	1.798	ug/l #	31
49) 1,4-Dioxane	9.753	88	60	1.481	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	33114	10.635	ug/l #	74
53) t-1,3-Dichloropropene	10.735	75	851	0.280	ug/l	90
54) cis-1,3-Dichloropropene	10.365	75	47541	14.386	ug/l #	73
56) Ethyl methacrylate	10.988	69	2085	0.696	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6029	1.745	ug/l #	42
59) 2-Hexanone	11.206	43	93693	41.545	ug/l #	45
71) Bromoform	12.847	173	592	0.394	ug/l #	1
74) N-amyl acetate	12.494	43	1529	0.528	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	54943	33.150	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	54943	84.685	ug/l #	15
95) Naphthalene	15.647	128	209	2.637	ug/l #	70

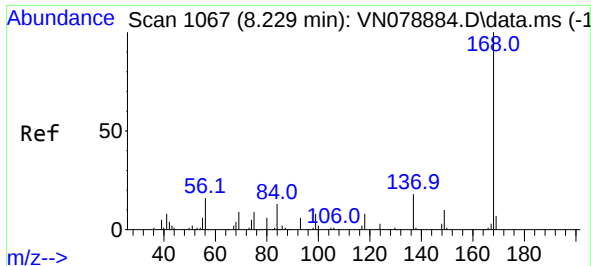
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
Data File : VN079097.D
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Sample : PB155153ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
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Quant Time: Aug 29 23:30:53 2023
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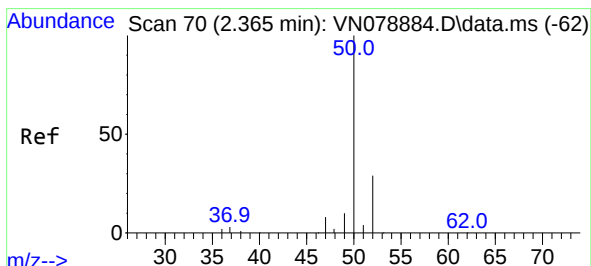
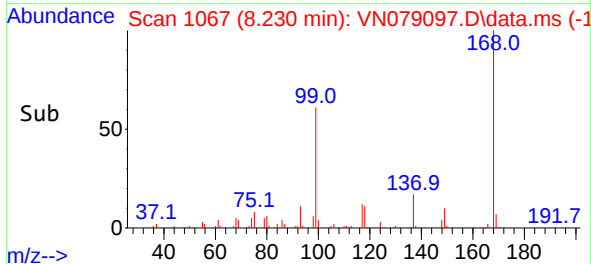
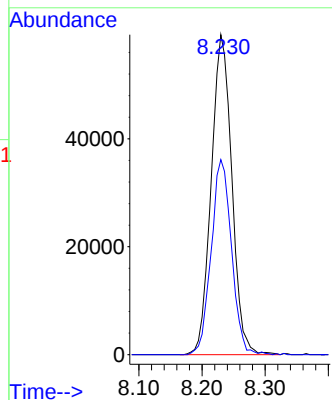
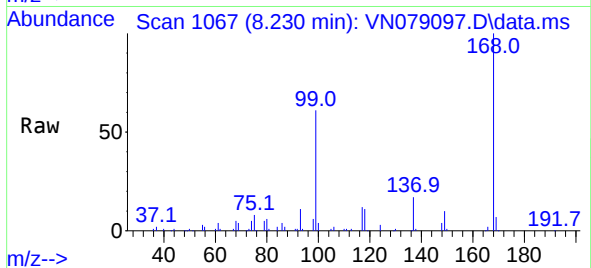




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

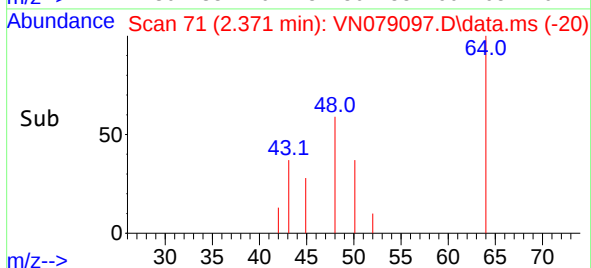
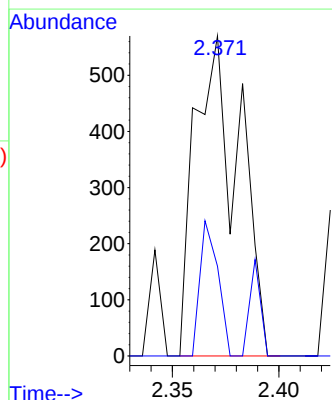
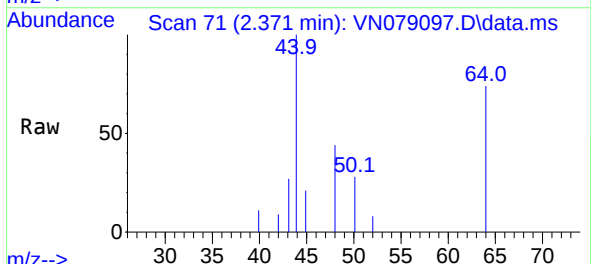
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MSVOA_N
ClientSampleId :

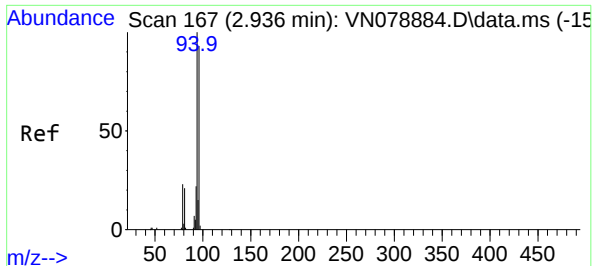
Tgt Ion:168 Resp: 134277
Ion Ratio Lower Upper
168 100
99 60.9 53.0 79.6



#3
Chloromethane
Concen: 0.318 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Tgt Ion: 50 Resp: 826
Ion Ratio Lower Upper
50 100
52 28.1 26.5 39.7

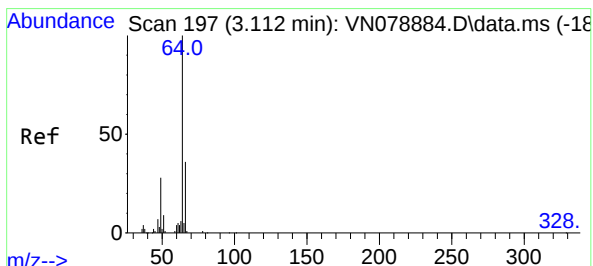
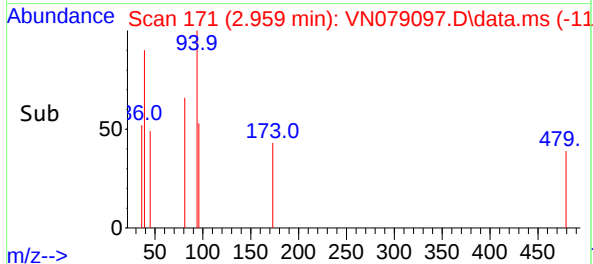
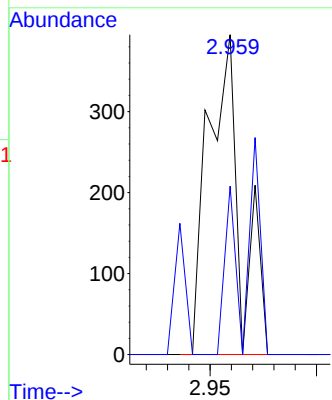
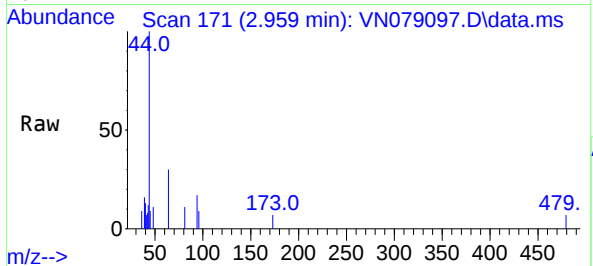




#5
Bromomethane
Concen: 0.315 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

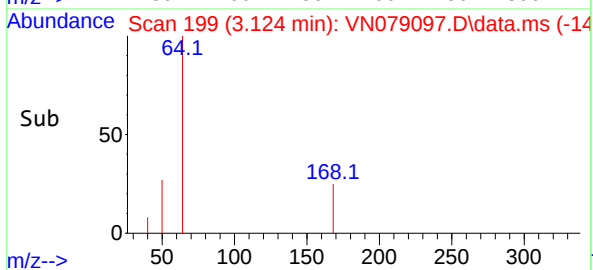
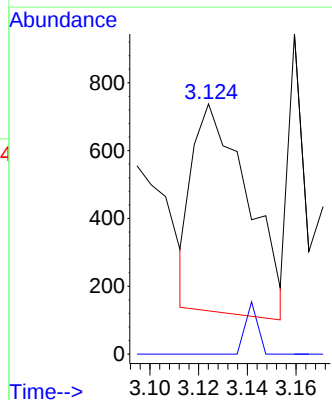
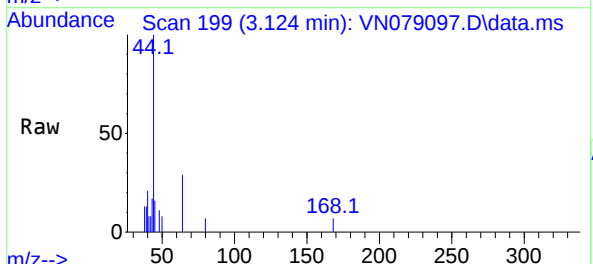
Instrument :
MSVOA_N
ClientSampleId :

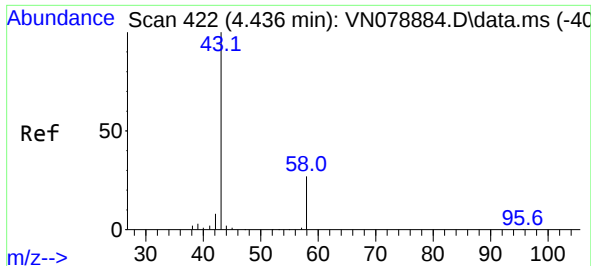
Tgt Ion: 94 Resp: 413
Ion Ratio Lower Upper
94 100
96 52.7 73.1 109.7#



#6
Chloroethane
Concen: 0.604 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Tgt Ion: 64 Resp: 963
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

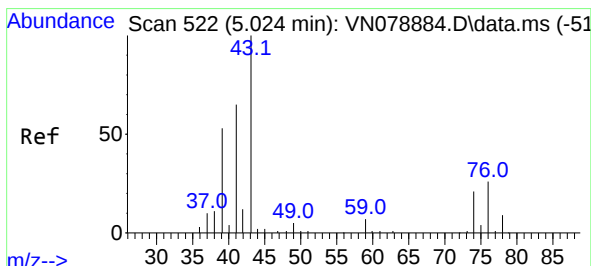
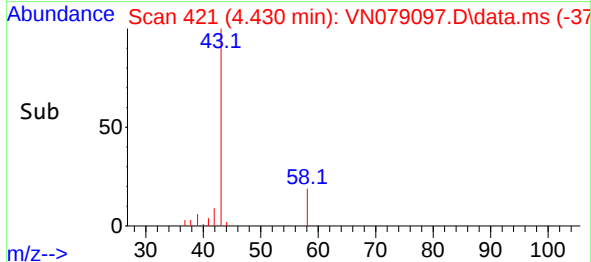
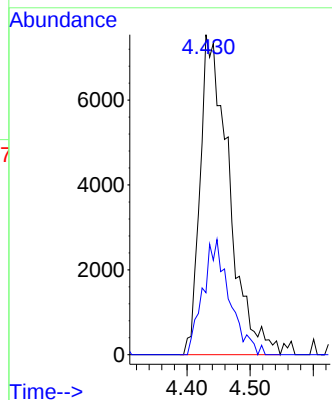
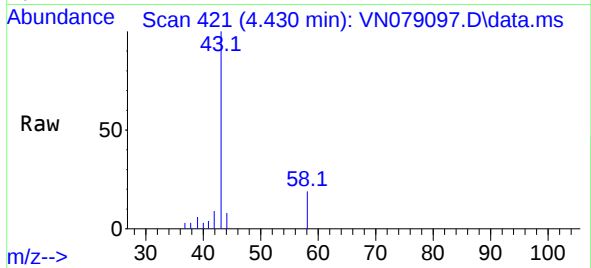




#16
Acetone
Concen: 27.809 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

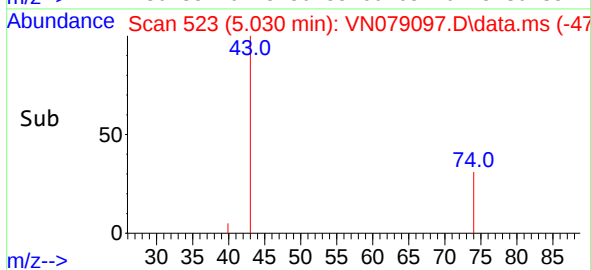
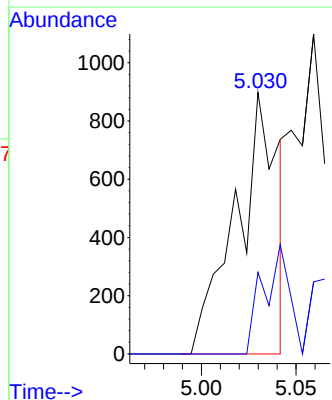
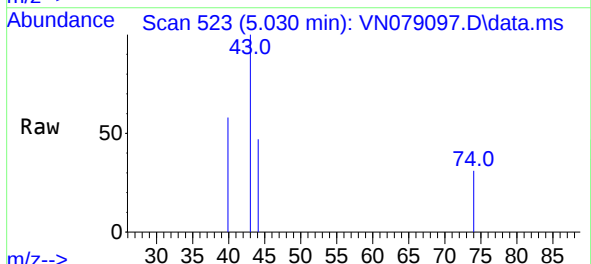
Instrument :
MSVOA_N
ClientSampleId :

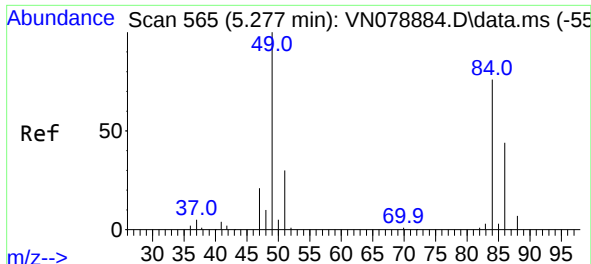
Tgt Ion: 43 Resp: 23975
Ion Ratio Lower Upper
43 100
58 19.3 28.0 42.0#



#18
Methyl Acetate
Concen: 0.380 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.012 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

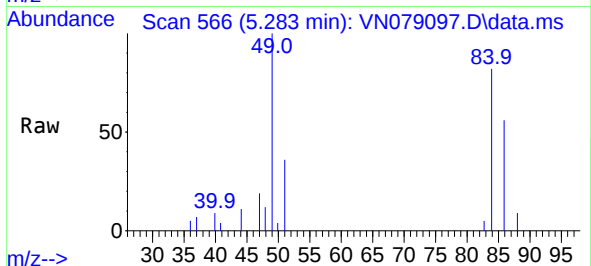
Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
74 25.8 26.2 39.4#



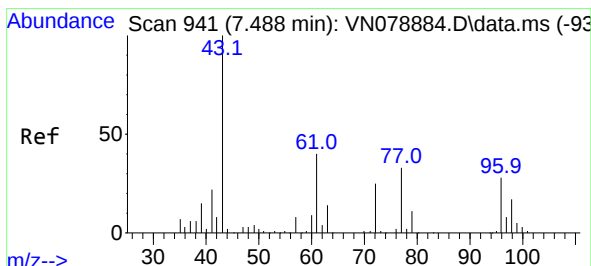
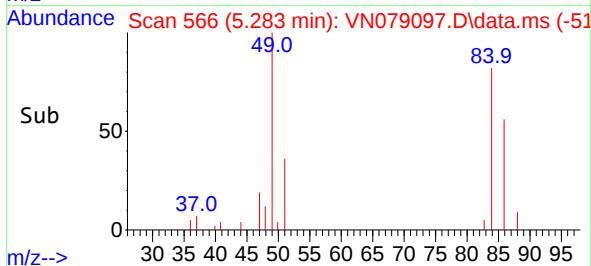
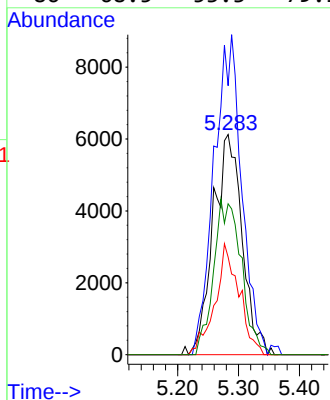


#20
Methylene Chloride
Concen: 11.044 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Instrument :
MSVOA_N
ClientSampleId :

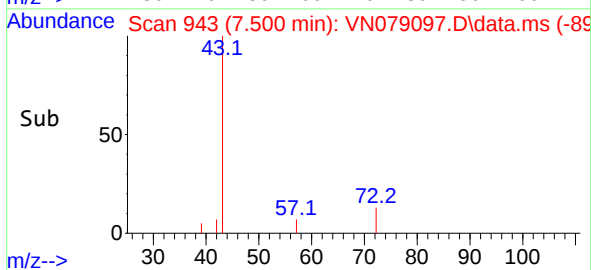
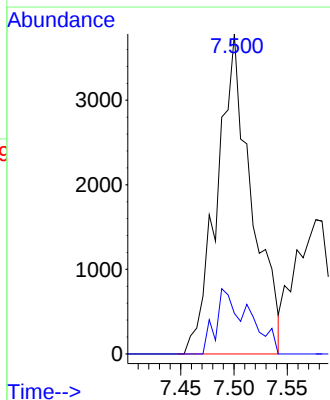
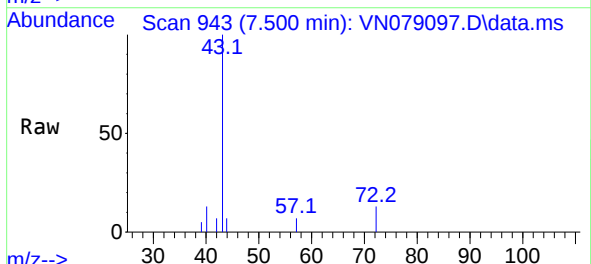


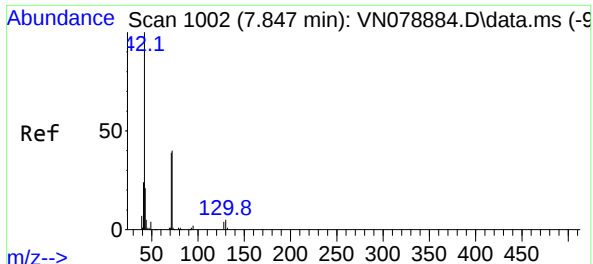
Tgt Ion: 84 Resp: 20291
Ion Ratio Lower Upper
84 100
49 122.2 79.7 119.5#
51 44.3 25.2 37.8#
86 68.5 53.3 79.9



#25
2-Butanone
Concen: 6.147 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Tgt Ion: 43 Resp: 8497
Ion Ratio Lower Upper
43 100
72 12.7 30.2 45.2#

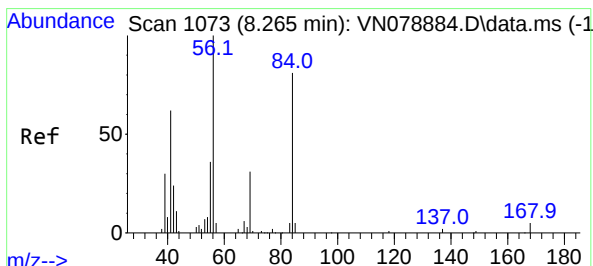
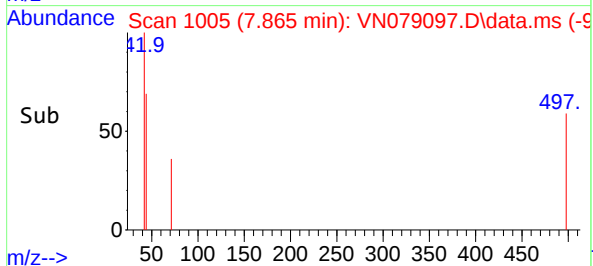
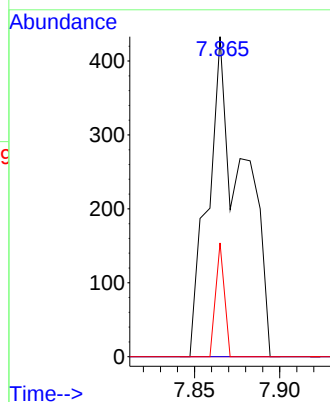
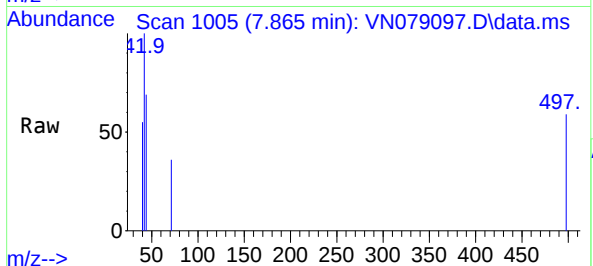




#29
Tetrahydrofuran
Concen: 0.677 ug/l
RT: 7.865 min Scan# 1066
Delta R.T. 0.018 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

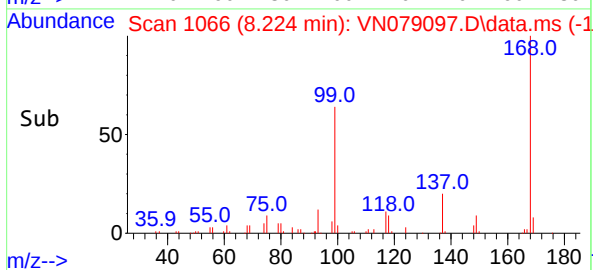
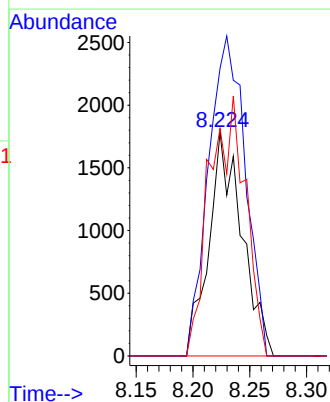
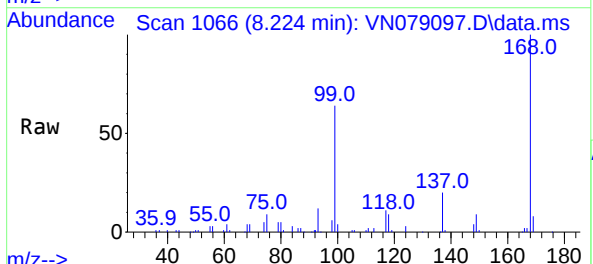
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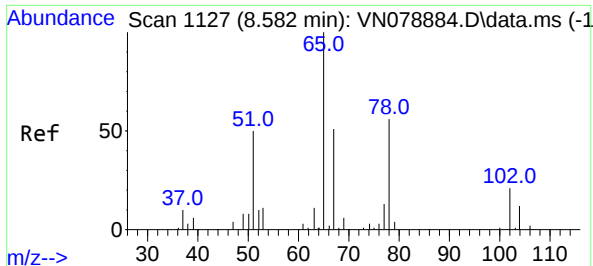
Tgt Ion: 42 Resp: 619
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 8.7 47.4 71.2#



#31
Cyclohexane
Concen: Below Cal
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Tgt Ion: 56 Resp: 3602
Ion Ratio Lower Upper
56 100
69 128.5 26.8 40.2#
84 101.6 81.8 122.6

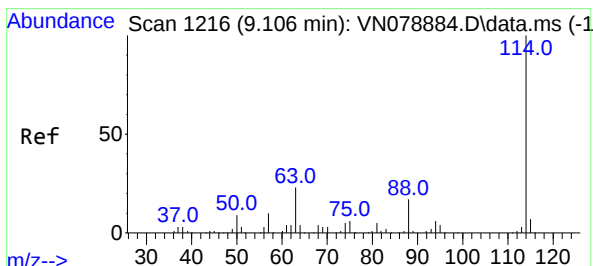
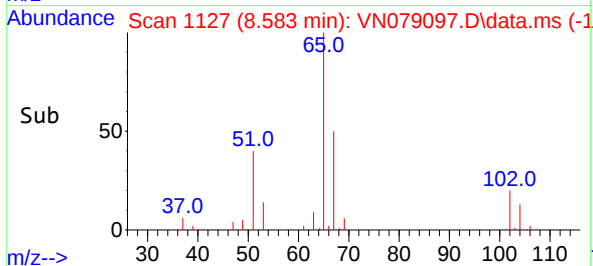
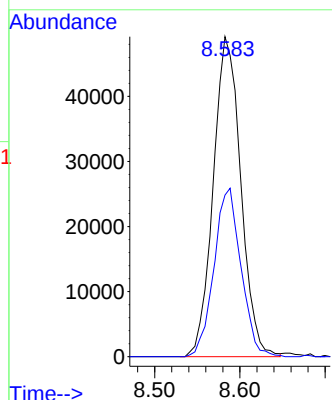
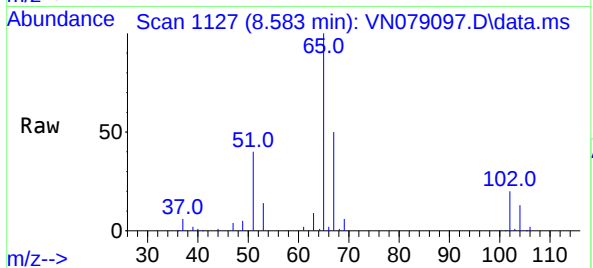




#33
1,2-Dichloroethane-d4
Concen: 52.879 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

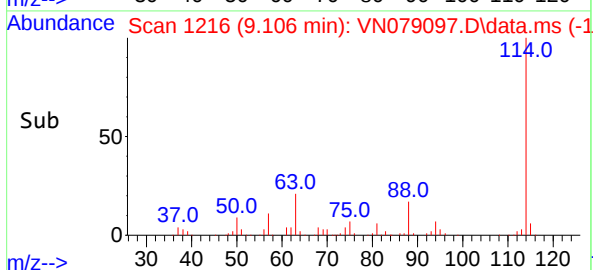
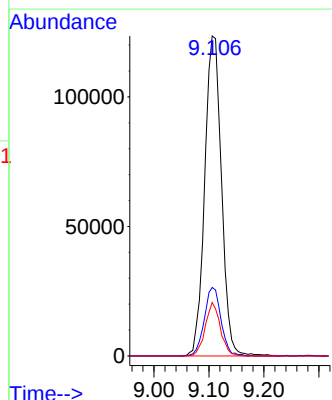
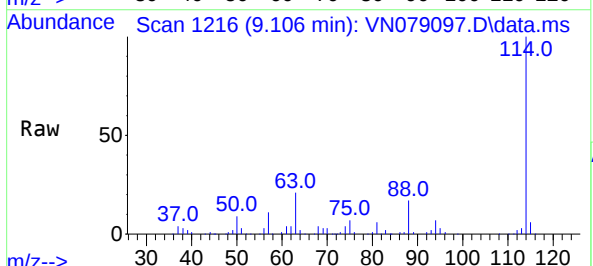
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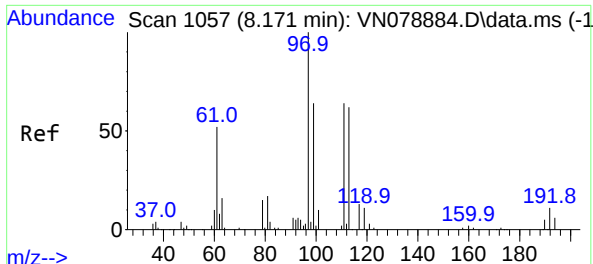
Tgt Ion: 65 Resp: 110489
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

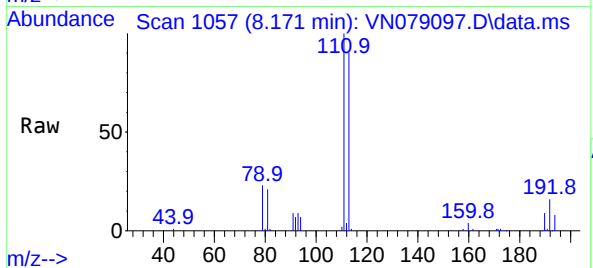
Tgt Ion: 114 Resp: 262163
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.4
88 16.7 0.0 30.6



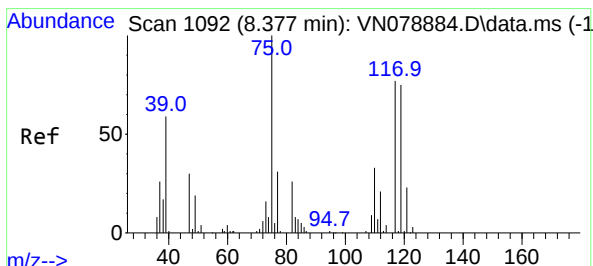
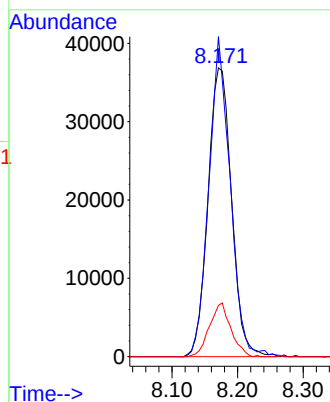
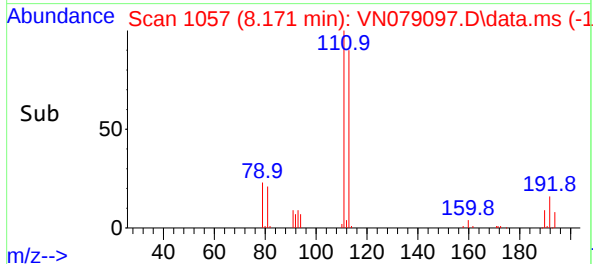


#35
Dibromofluoromethane
Concen: 52.257 ug/l
RT: 8.171 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

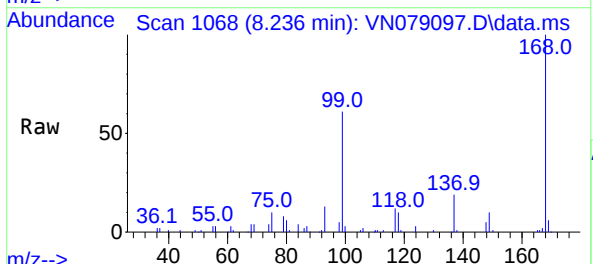
Instrument :
MSVOA_N
ClientSampleId :



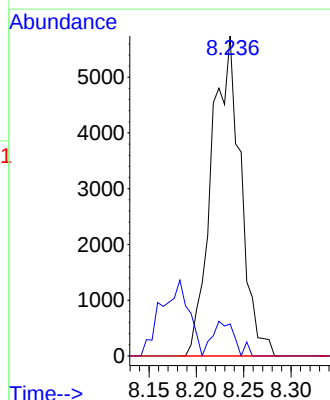
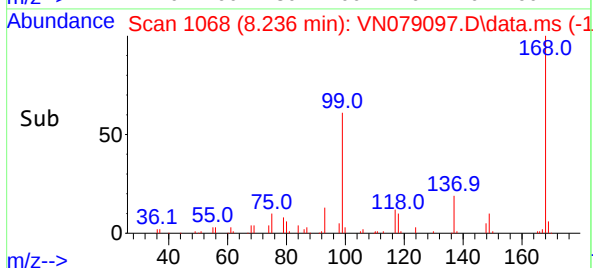
Tgt Ion:113 Resp: 92221
Ion Ratio Lower Upper
113 100
111 99.9 82.6 123.8
192 16.9 12.7 19.1

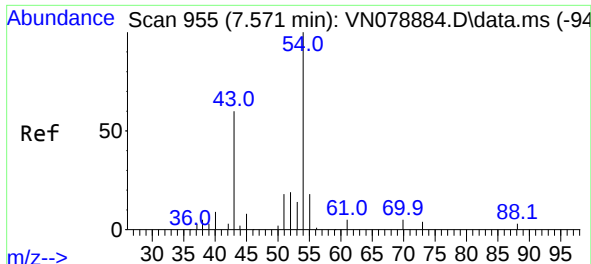


#36
1,1-Dichloropropene
Concen: 4.638 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30



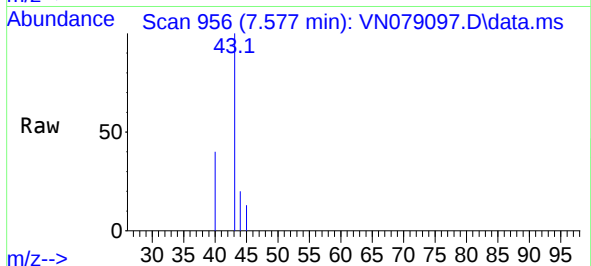
Tgt Ion: 75 Resp: 12312
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#



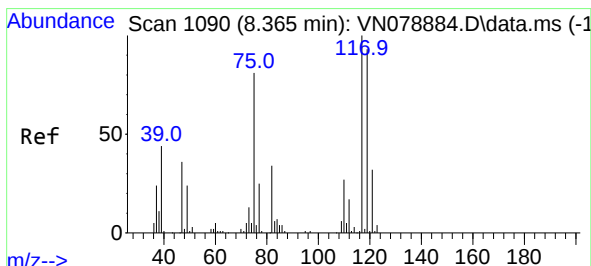
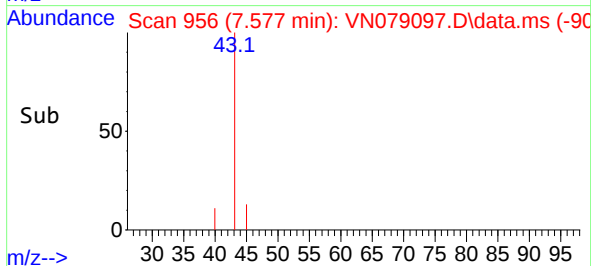
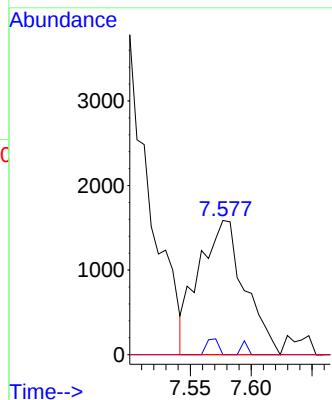


#37
Ethyl Acetate
Concen: 1.399 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Instrument :
MSVOA_N
ClientSampleId :

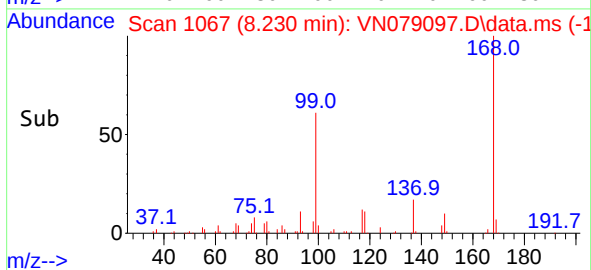
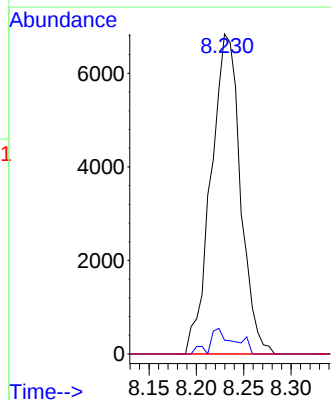
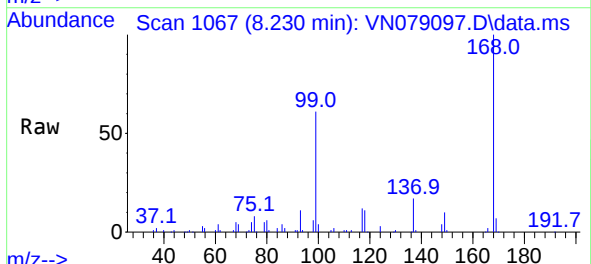


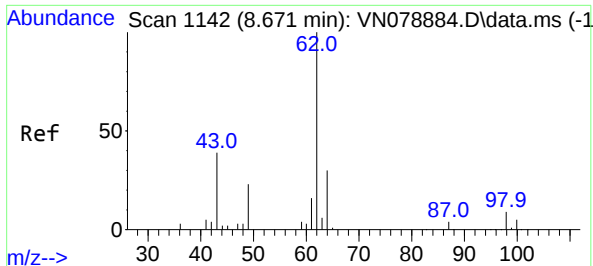
Tgt Ion: 43 Resp: 4155
Ion Ratio Lower Upper
43 100
61 3.1 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.565 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Tgt Ion: 117 Resp: 14802
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 23.3 34.9#

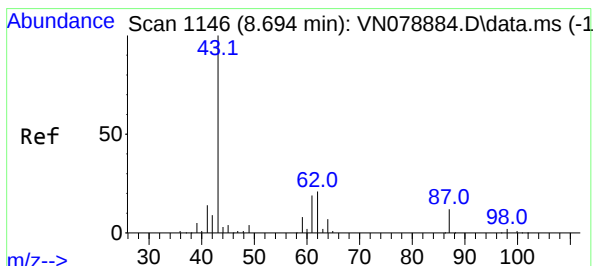
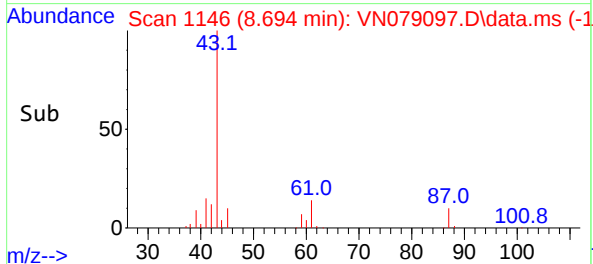
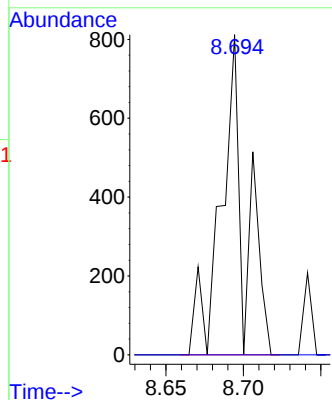
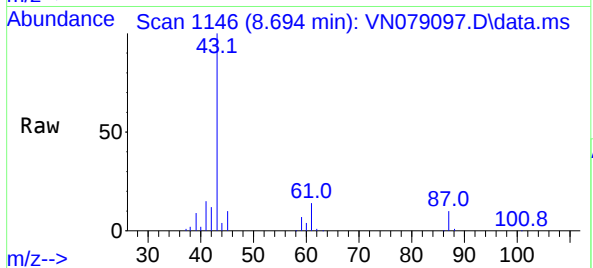




#42
1,2-Dichloroethane
Concen: 0.299 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.017 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

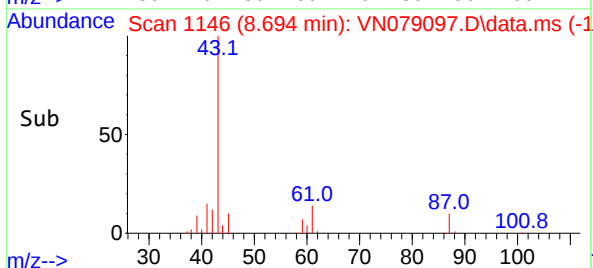
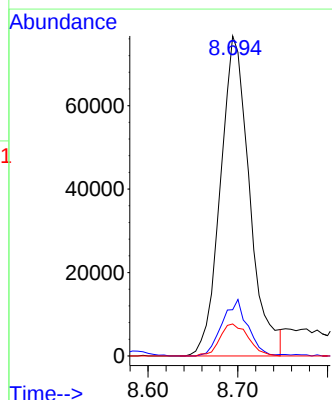
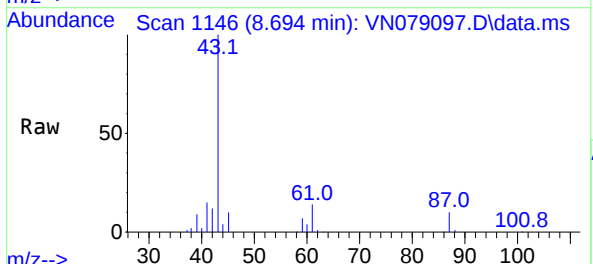
Instrument :
MSVOA_N
ClientSampleId :

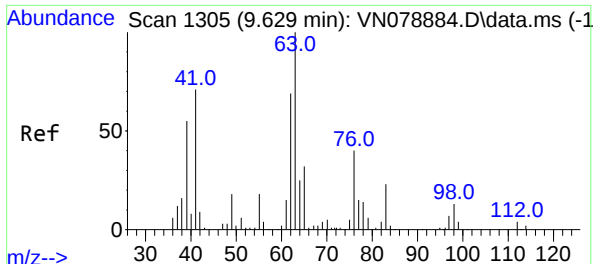
Tgt Ion: 62 Resp: 876
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 32.924 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Tgt Ion: 43 Resp: 172842
Ion Ratio Lower Upper
43 100
61 15.7 24.7 37.1#
87 9.8 14.6 21.8#

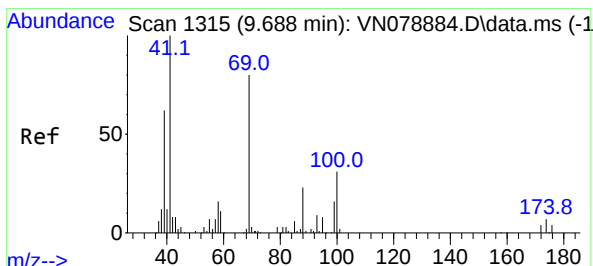
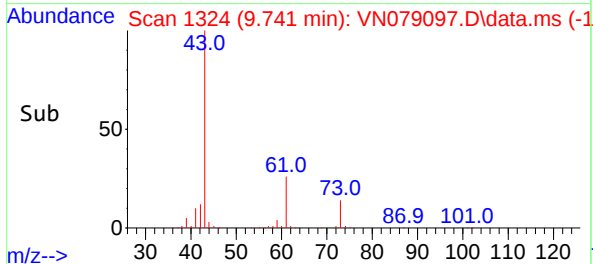
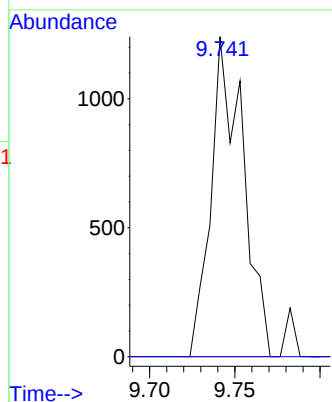
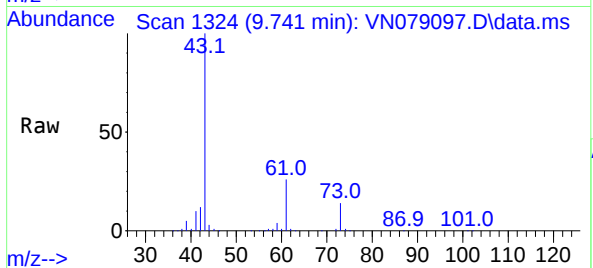




#45
1,2-Dichloropropane
Concen: 0.776 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

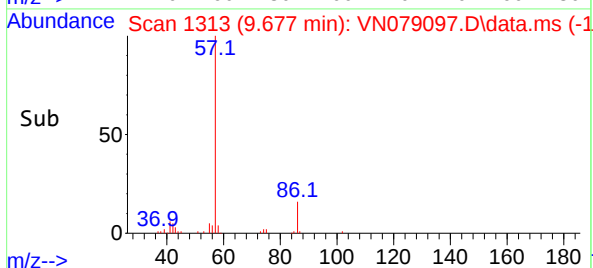
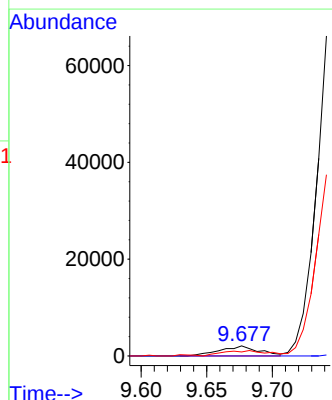
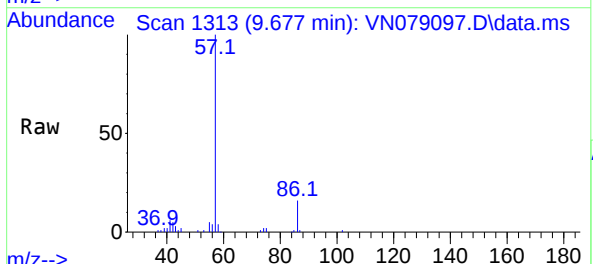
Instrument :
MSVOA_N
ClientSampleId :

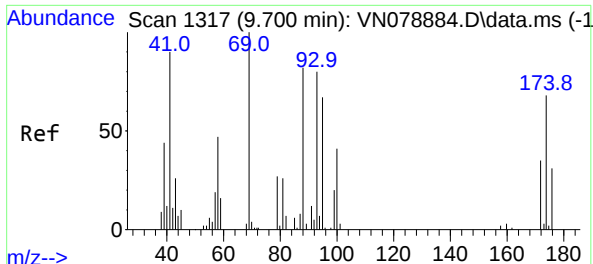
Tgt Ion: 63 Resp: 1622
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.798 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.011 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

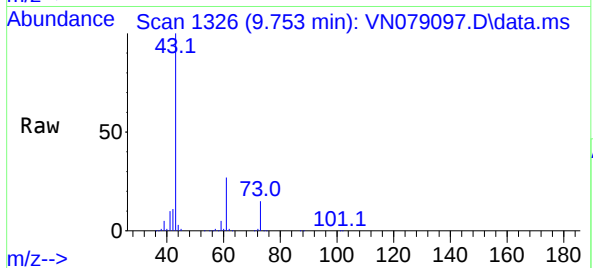
Tgt Ion: 41 Resp: 4277
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 61.2 54.6 81.8



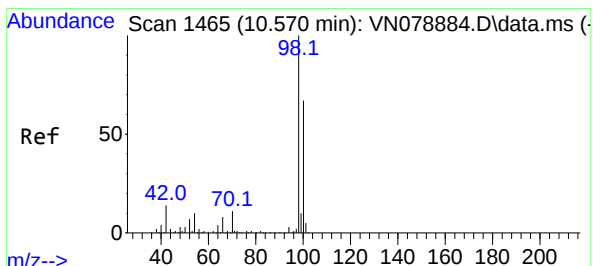
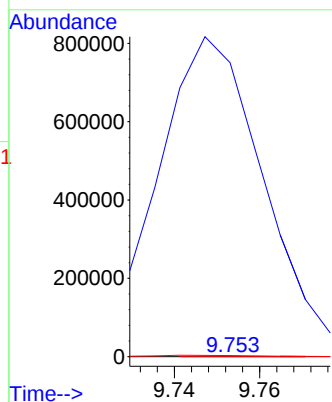
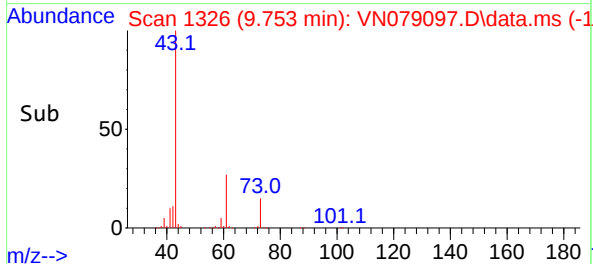


#49
1,4-Dioxane
Concen: 1.481 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Instrument :
MSVOA_N
ClientSampleId :

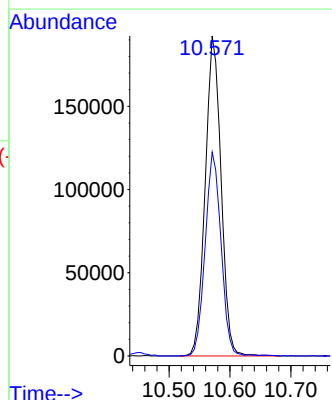
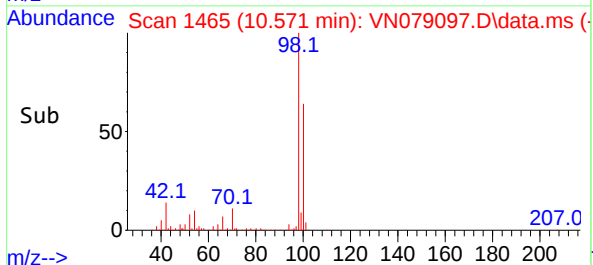
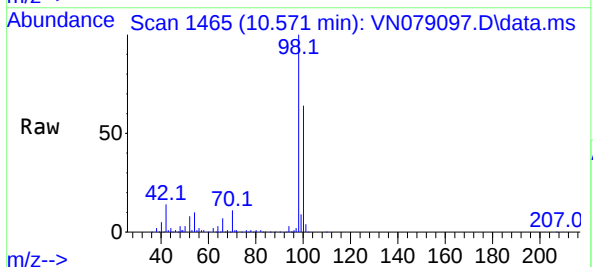


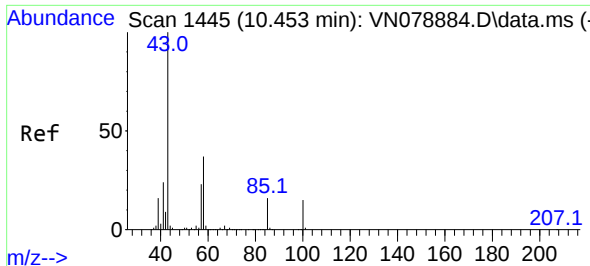
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 2429936.7 17.0 25.6#
58 11758.3 47.0 70.4#



#50
Toluene-d8
Concen: 53.017 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

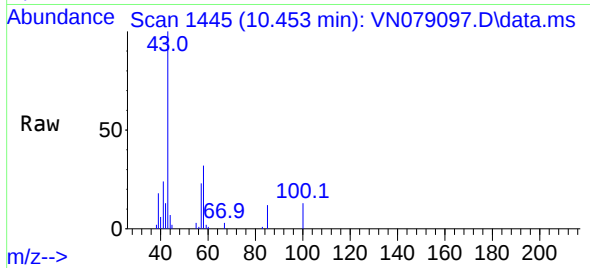
Tgt Ion: 98 Resp: 347404
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



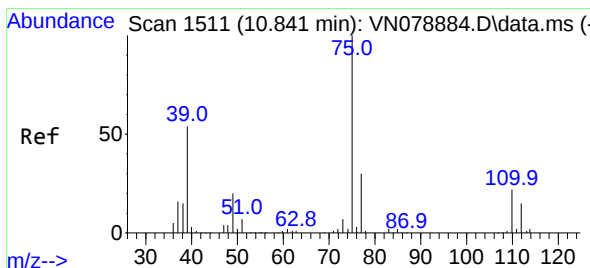
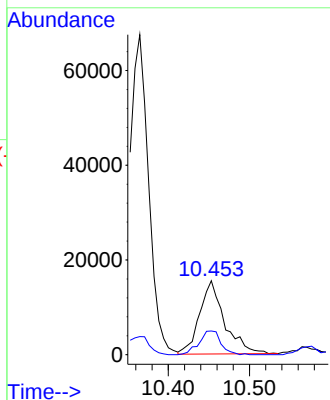
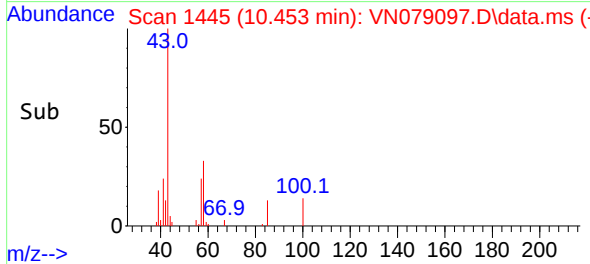


#51
4-Methyl-2-Pentanone
Concen: 10.635 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Instrument :
MSVOA_N
ClientSampleId :

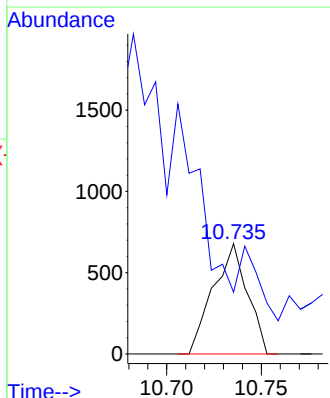
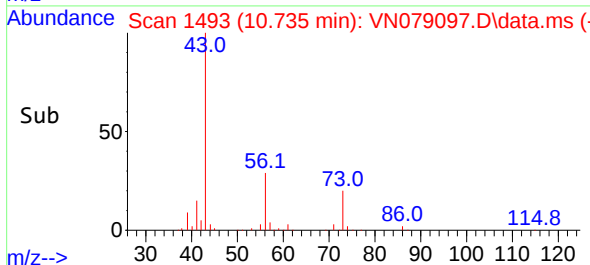
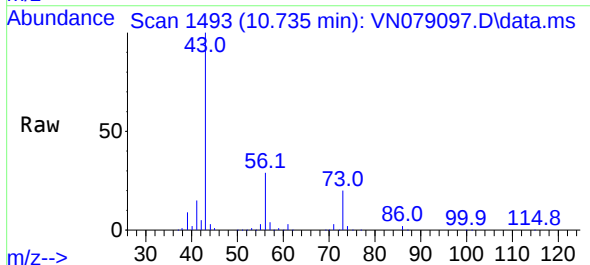


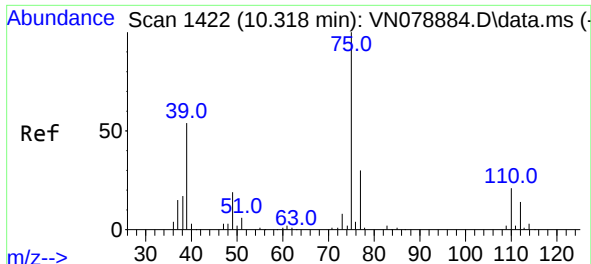
Tgt Ion: 43 Resp: 33114
Ion Ratio Lower Upper
43 100
58 28.3 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.280 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

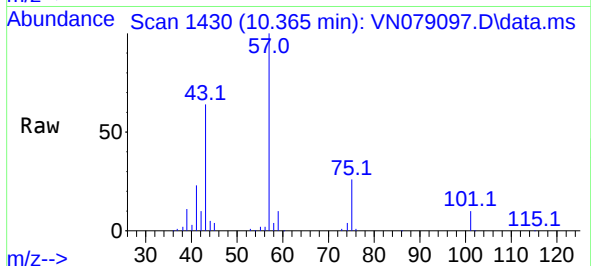
Tgt Ion: 75 Resp: 851
Ion Ratio Lower Upper
75 100
77 26.0 25.4 38.0



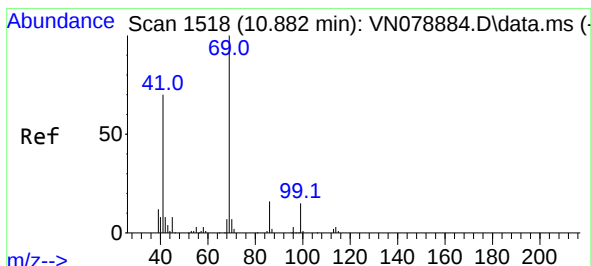
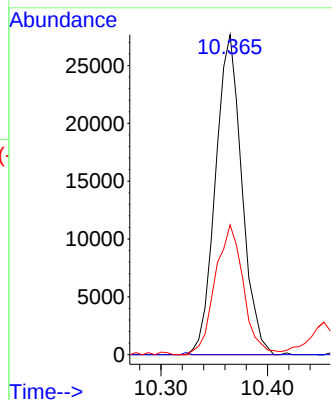
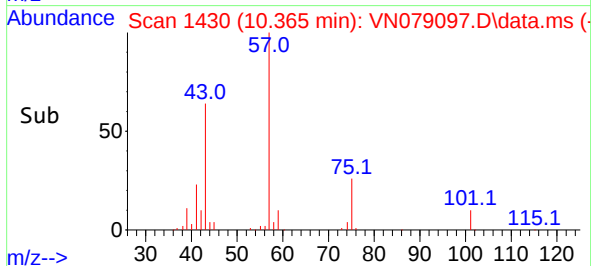


#54
 cis-1,3-Dichloropropene
 Concen: 14.386 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079097.D
 Acq: 29 Aug 2023 16:30

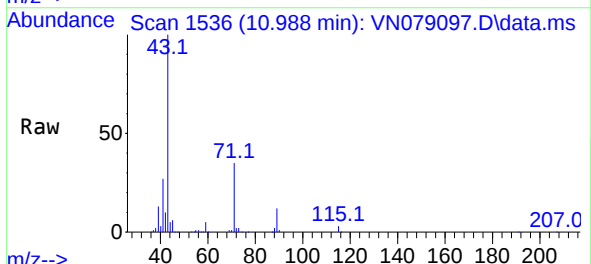
Instrument :
 MSVOA_N
 ClientSampleId :



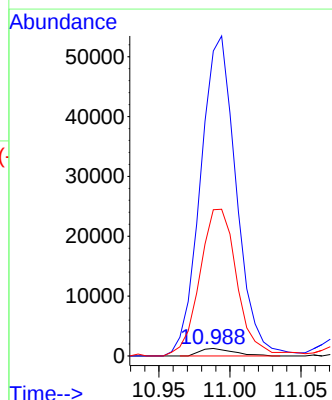
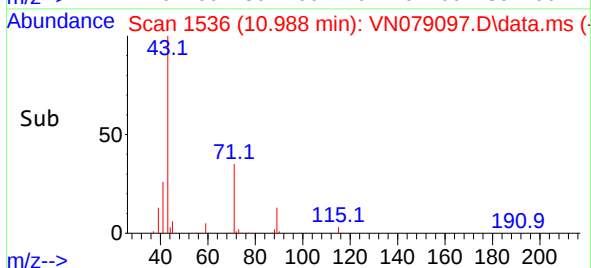
Tgt Ion: 75 Resp: 47541
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 40.5 31.6 47.4

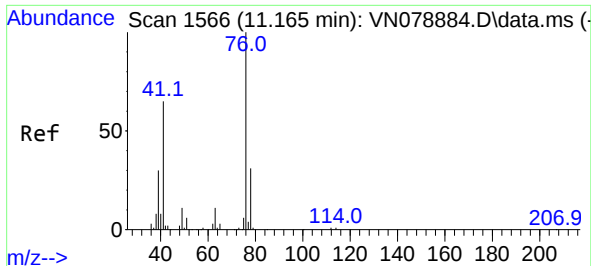


#56
 Ethyl methacrylate
 Concen: 0.696 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.111 min
 Lab File: VN079097.D
 Acq: 29 Aug 2023 16:30



Tgt Ion: 69 Resp: 2085
 Ion Ratio Lower Upper
 69 100
 41 4496.8 39.6 59.4#
 39 2155.0 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.745 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN079097.D

Acq: 29 Aug 2023 16:30

Instrument :

MSVOA_N

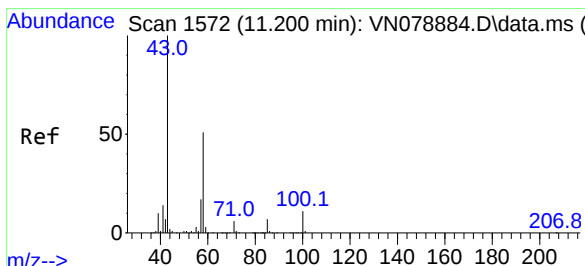
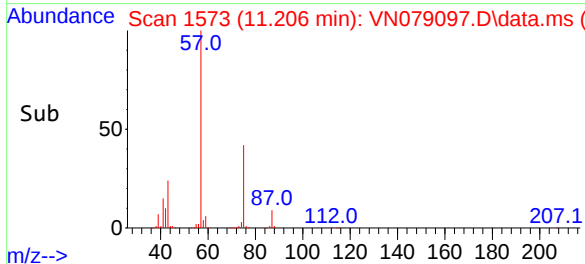
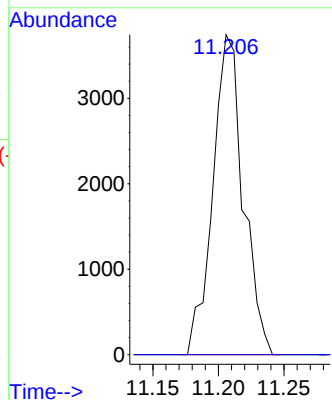
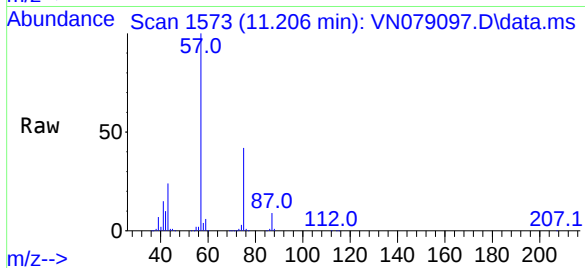
ClientSampleId :

Tgt Ion: 76 Resp: 6029

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 41.545 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079097.D

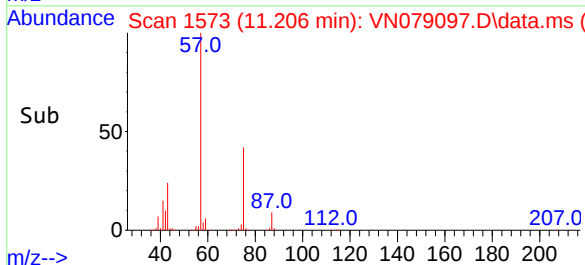
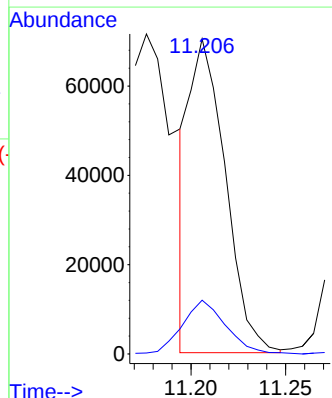
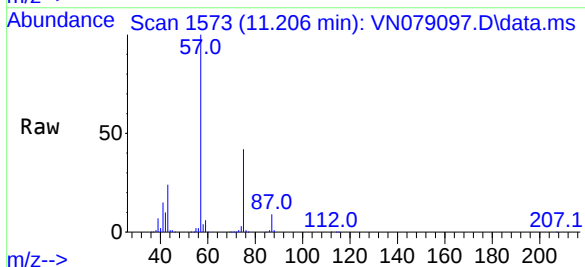
Acq: 29 Aug 2023 16:30

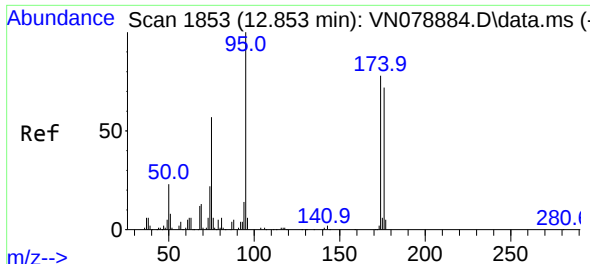
Tgt Ion: 43 Resp: 93693

Ion Ratio Lower Upper

43 100

58 20.6 31.7 95.1#

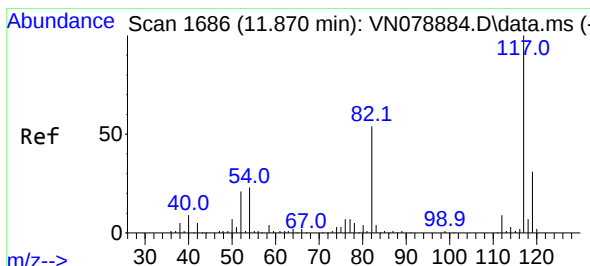
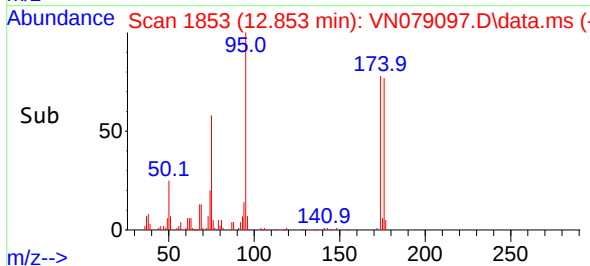
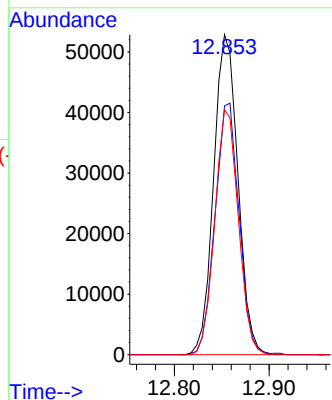
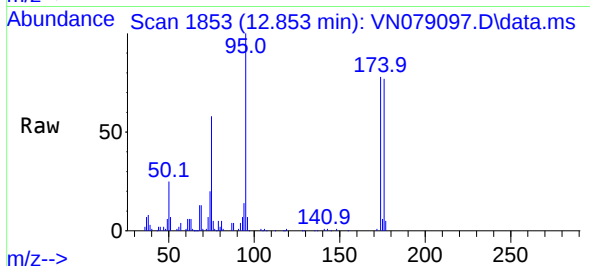




#62
4-Bromofluorobenzene
Concen: 43.932 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

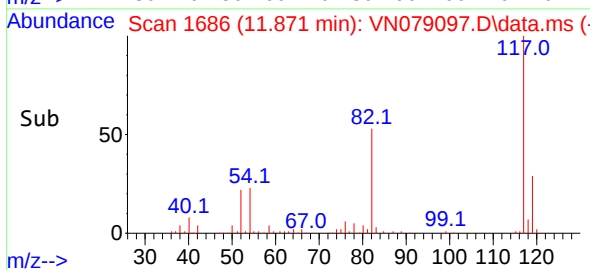
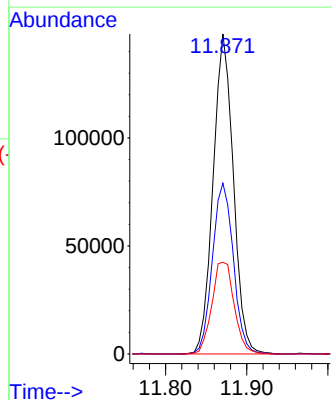
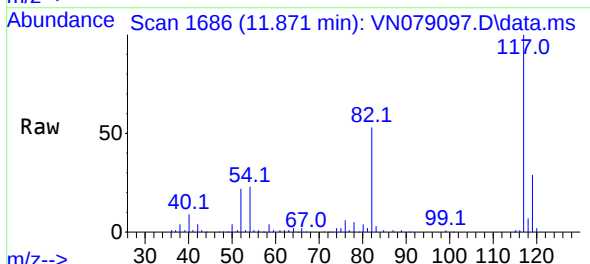
Instrument :
MSVOA_N
ClientSampleId :

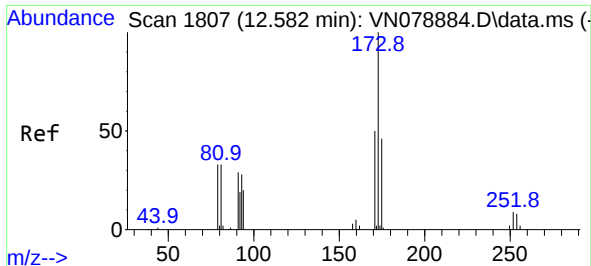
Tgt Ion:	95	Resp:	94094
Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	143.8
176	74.6	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Tgt Ion:	117	Resp:	256832
Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.0	66.0
119	28.7	25.6	38.4

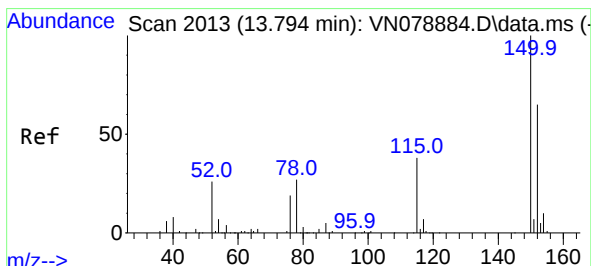
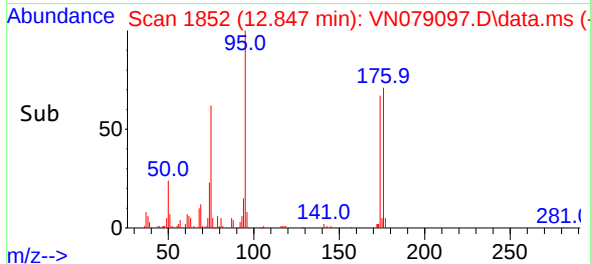
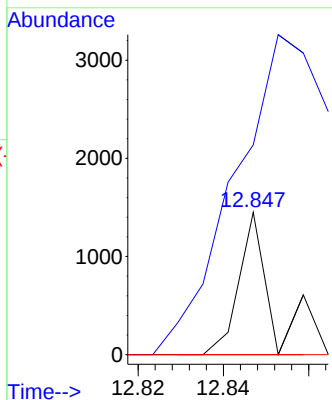
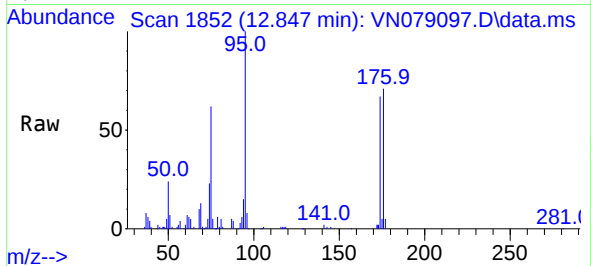




#71
Bromoform
Concen: 0.394 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

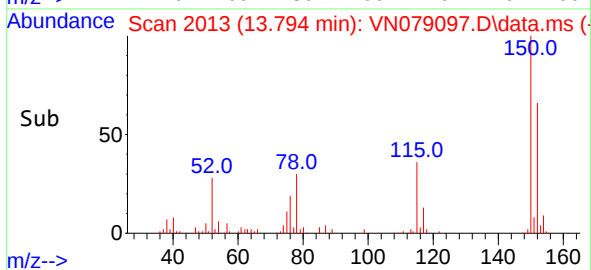
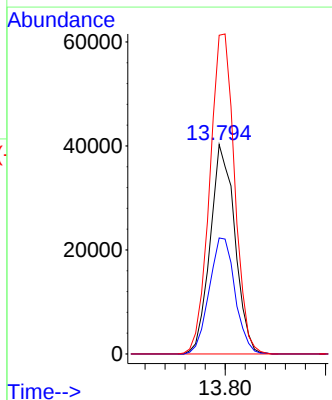
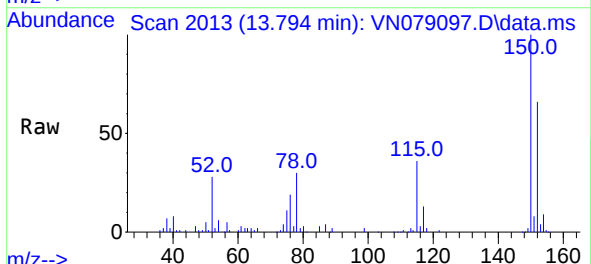
Instrument :
MSVOA_N
ClientSampleId :

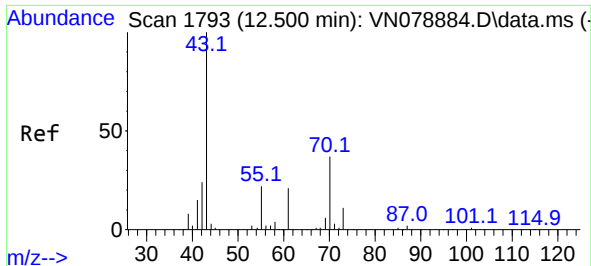
Tgt Ion:173 Resp: 592
Ion Ratio Lower Upper
173 100
175 672.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

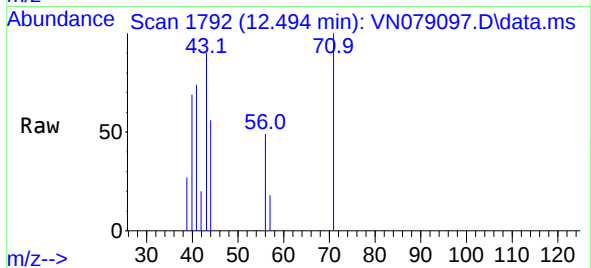
Tgt Ion:152 Resp: 68785
Ion Ratio Lower Upper
152 100
115 58.0 32.3 96.8
150 154.2 0.0 355.8



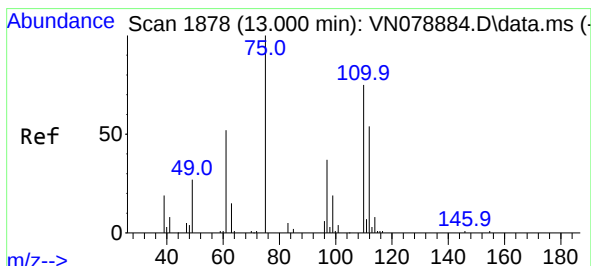
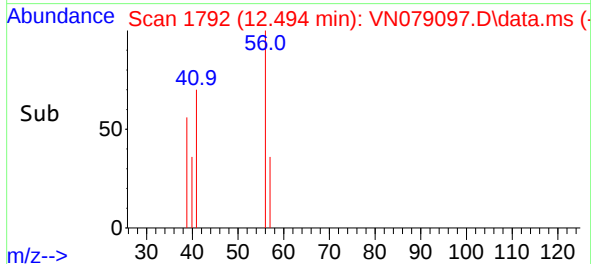
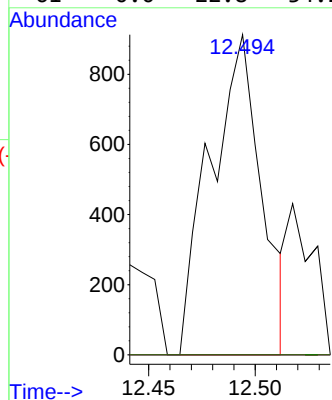


#74
N-amy1 acetate
Concen: 0.528 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

Instrument :
MSVOA_N
ClientSampleId :

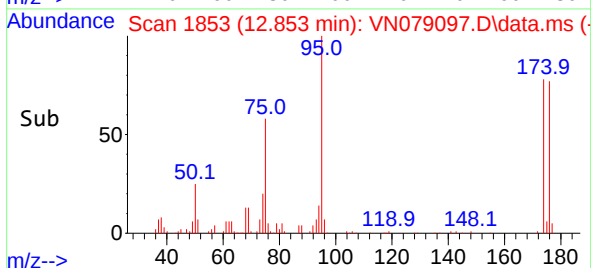
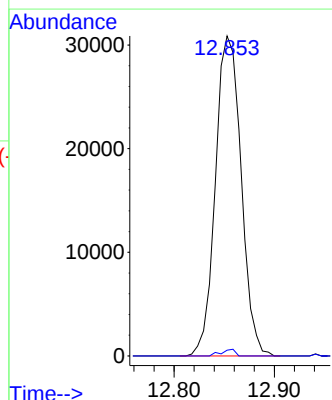
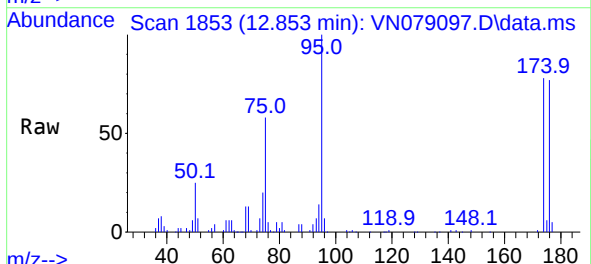


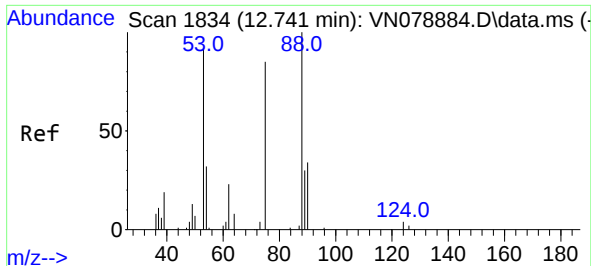
Tgt Ion: 43 Resp: 1529
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 33.150 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

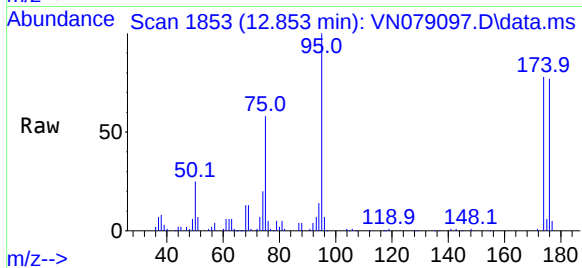
Tgt Ion: 75 Resp: 54943
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



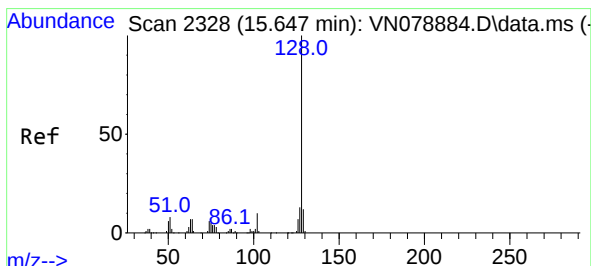
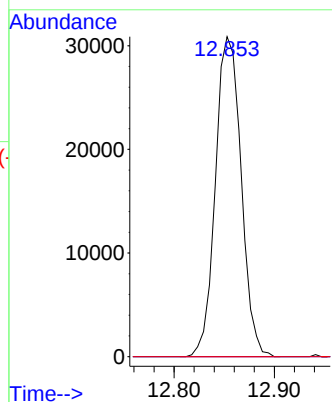
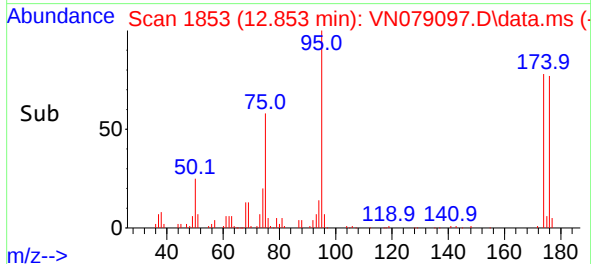


#81
trans-1,4-Dichloro-2-butene
Concen: 84.685 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30

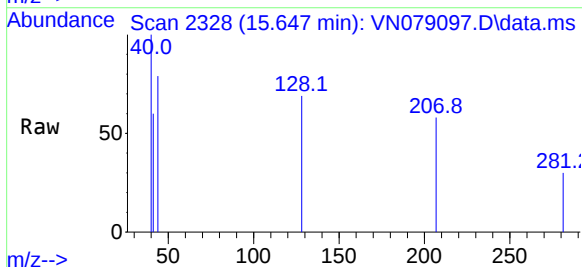
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 54943
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 2.637 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079097.D
Acq: 29 Aug 2023 16:30



Tgt Ion: 128 Resp: 209
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

