

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076943.D
 Acq On : 10 Mar 2023 22:51
 Operator : JC\MD
 Sample : 01833-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 42

Quant Time: Mar 13 01:26:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

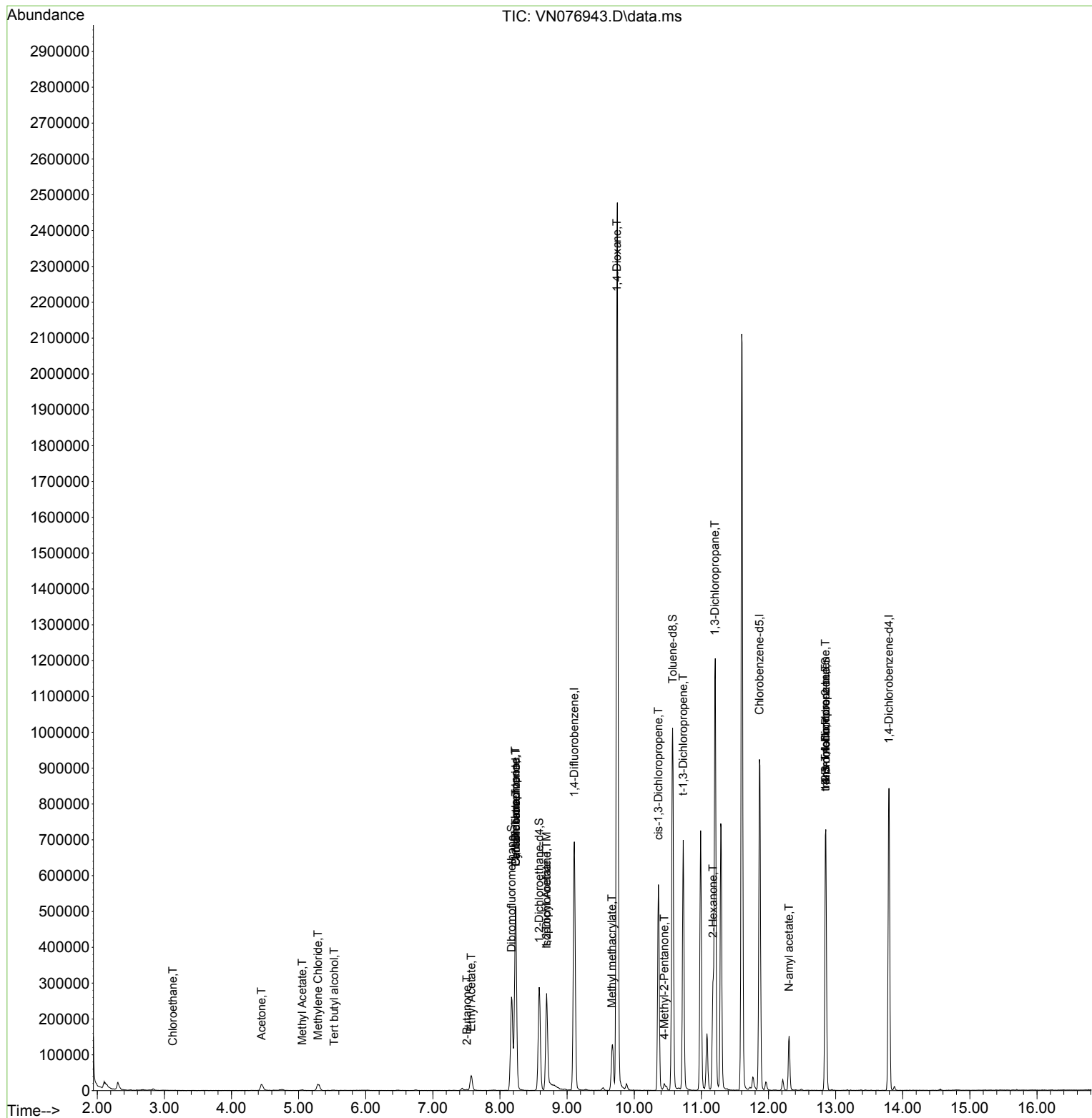
Internal Standards						
1) Pentafluorobenzene	8.236	168	353469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	584232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	529029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	227072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	253874	48.130	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.260%
35) Dibromofluoromethane	8.172	113	189295	48.616	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.240%
50) Toluene-d8	10.571	98	711997	49.616	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.240%
62) 4-Bromofluorobenzene	12.854	95	257791	49.114	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.220%
Target Compounds						
					Qvalue	
6) Chloroethane	3.125	64	509	0.251	ug/l #	42
11) Tert butyl alcohol	5.531	59	1499	2.043	ug/l #	72
16) Acetone	4.448	43	33375	18.260	ug/l	95
18) Methyl Acetate	5.054	43	3374	0.501	ug/l #	75
20) Methylene Chloride	5.289	84	15404	3.278	ug/l #	88
25) 2-Butanone	7.507	43	3762	1.447	ug/l #	79
31) Cyclohexane	8.236	56	8107	1.071	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	31040	5.154	ug/l #	48
37) Ethyl Acetate	7.572	43	62395	12.956	ug/l	99
38) Carbon Tetrachloride	8.236	117	41375	5.870	ug/l #	16
42) 1,2-Dichloroethane	8.695	62	1946	0.281	ug/l #	71
43) Isopropyl Acetate	8.695	43	299532	35.233	ug/l #	81
48) Methyl methacrylate	9.666	41	7240	1.738	ug/l #	30
49) 1,4-Dioxane	9.742	88	735	9.319	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	9043	1.771	ug/l	94
53) t-1,3-Dichloropropene	10.730	75	1581	0.245	ug/l #	81
54) cis-1,3-Dichloropropene	10.360	75	105184	14.847	ug/l #	67
57) 1,3-Dichloropropane	11.201	76	12996	1.734	ug/l #	42
59) 2-Hexanone	11.171	43	224752	60.358	ug/l #	17
71) Bromoform	12.854	173	1162	0.347	ug/l #	1
74) N-amyl acetate	12.307	43	51473	7.683	ug/l #	42
76) 1,2,3-Trichloropropane	12.848	75	144956	26.331	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	144956	86.009	ug/l #	15

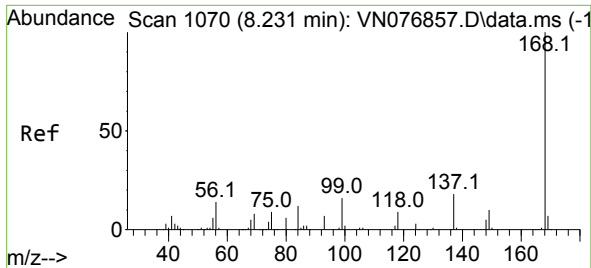
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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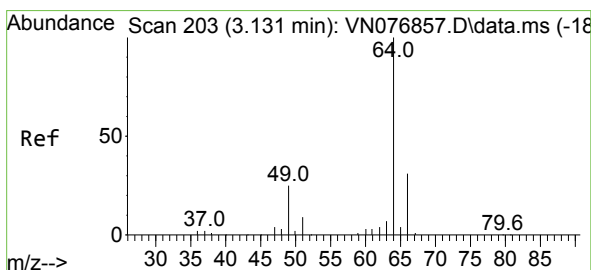
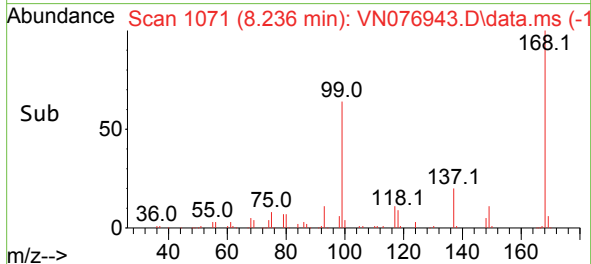
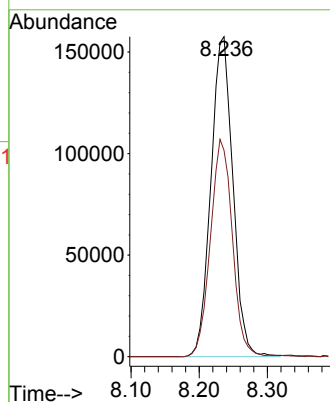
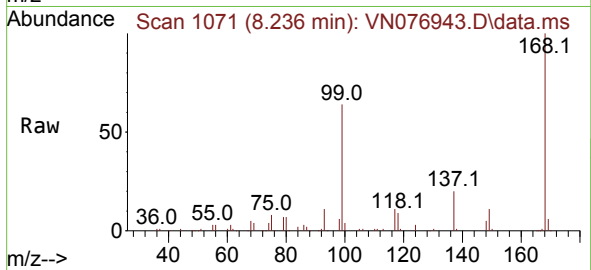




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

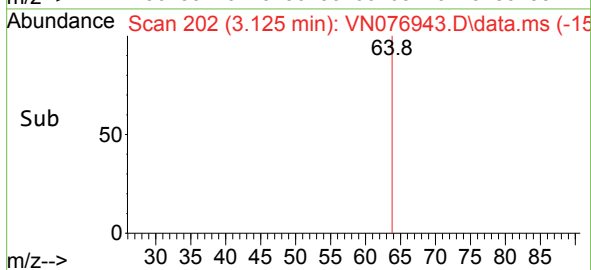
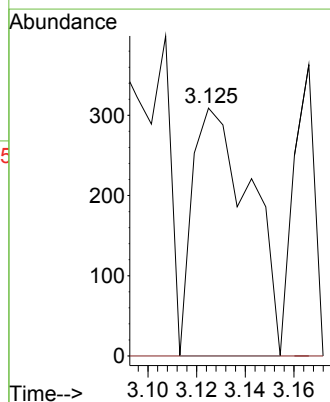
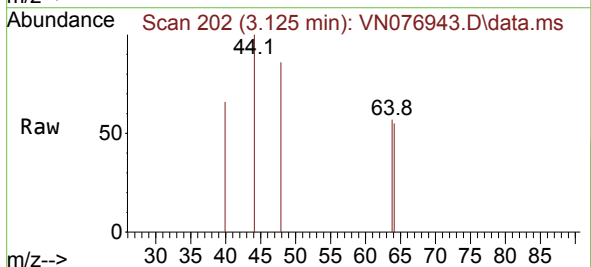
Instrument :
MSVOA_N
ClientSampleId :
42

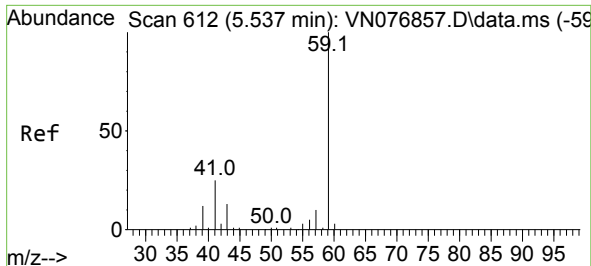
Tgt Ion:168 Resp: 353469
Ion Ratio Lower Upper
168 100
99 64.4 48.6 73.0



#6
Chloroethane
Concen: 0.251 ug/l
RT: 3.125 min Scan# 202
Delta R.T. -0.006 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion: 64 Resp: 509
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

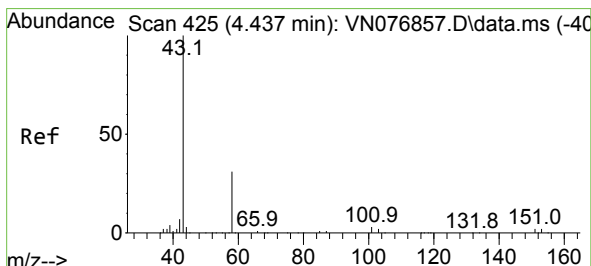
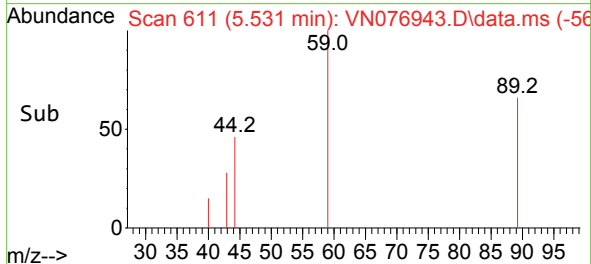
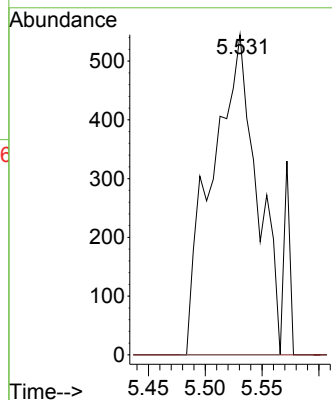
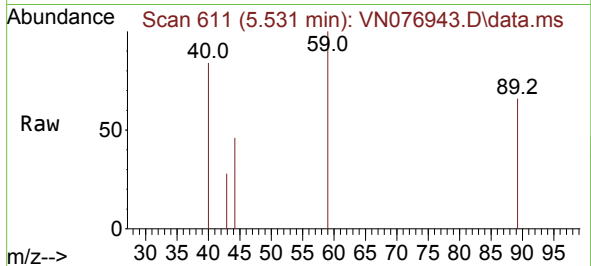




#11
Tert butyl alcohol
Concen: 2.043 ug/l
RT: 5.531 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

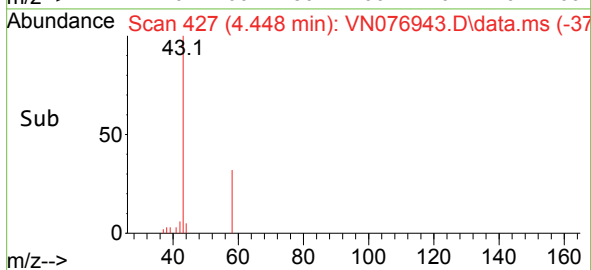
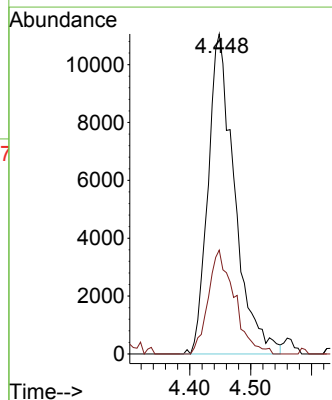
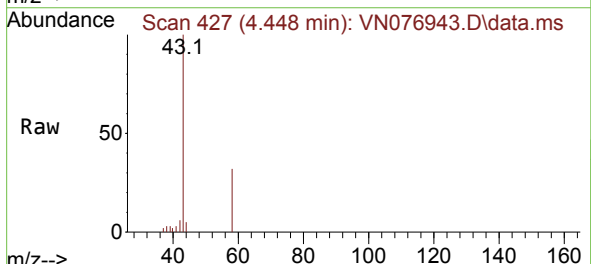
Instrument :
MSVOA_N
ClientSampleId :
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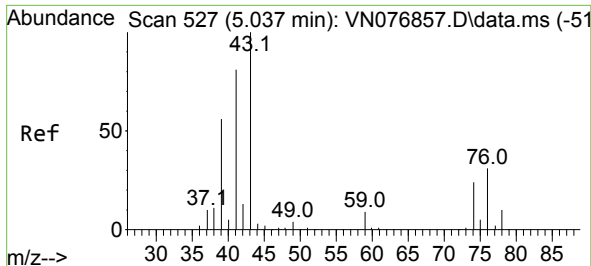
Tgt Ion: 59 Resp: 1499
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 18.260 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.012 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion: 43 Resp: 33375
Ion Ratio Lower Upper
43 100
58 32.5 28.2 42.2

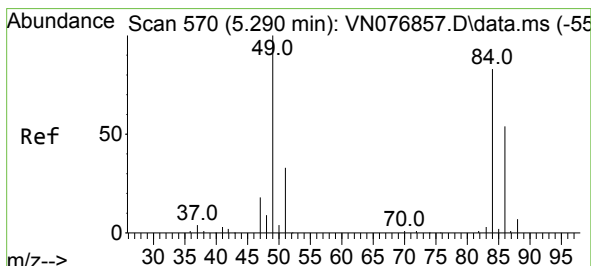
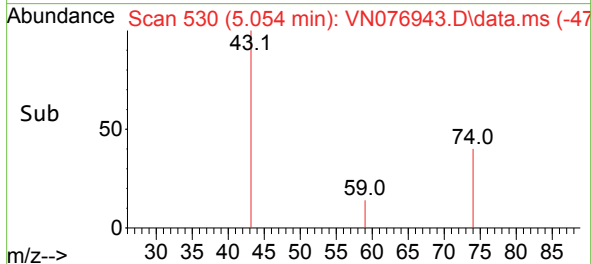
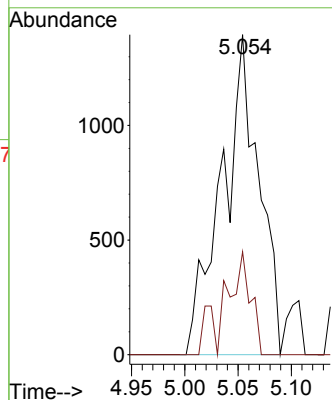
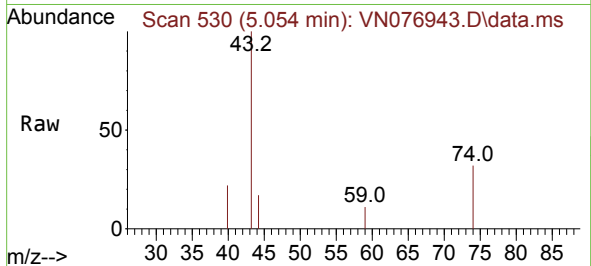




#18
Methyl Acetate
Concen: 0.501 ug/l
RT: 5.054 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

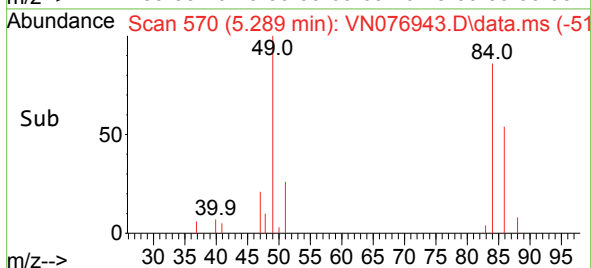
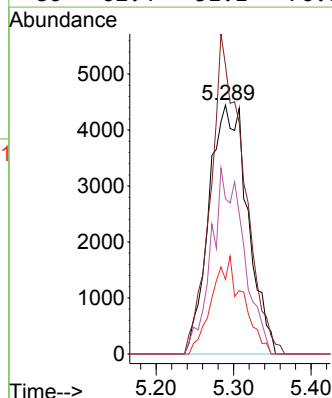
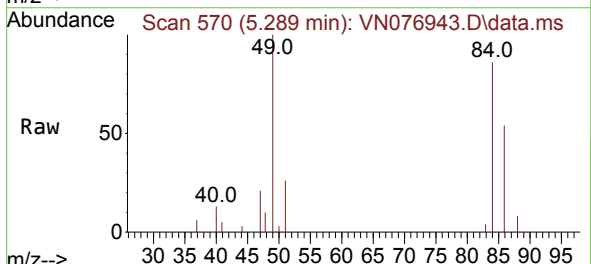
Instrument :
MSVOA_N
ClientSampleId :
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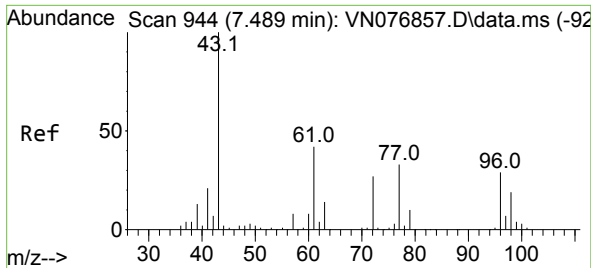
Tgt Ion: 43 Resp: 3374
Ion Ratio Lower Upper
43 100
74 18.4 25.9 38.9#



#20
Methylene Chloride
Concen: 3.278 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion: 84 Resp: 15404
Ion Ratio Lower Upper
84 100
49 115.9 76.6 114.8#
51 29.9 25.4 38.2
86 62.4 51.1 76.7

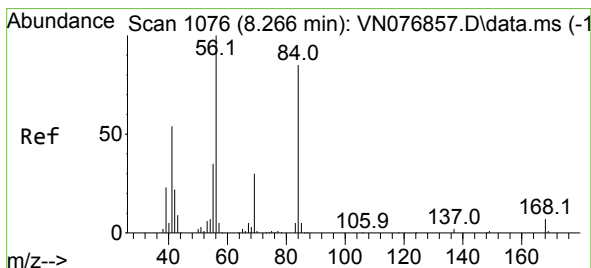
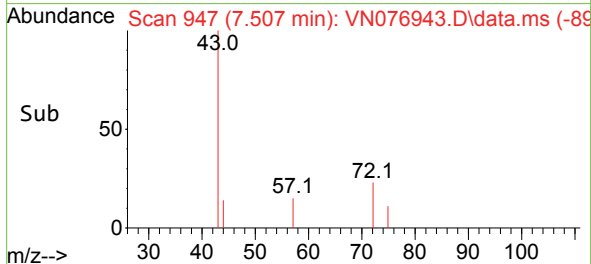
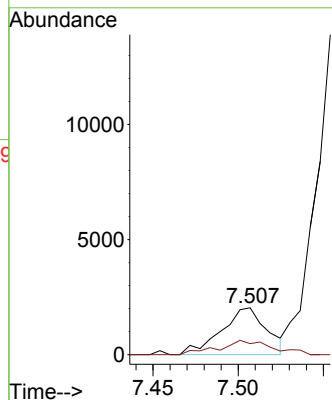
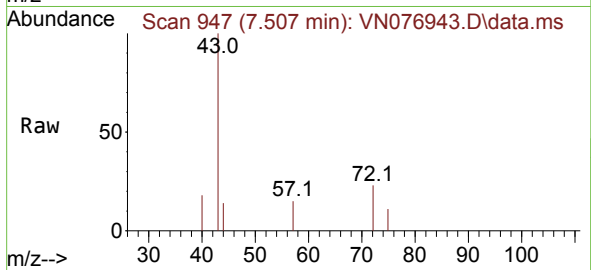




#25
2-Butanone
Concen: 1.447 ug/l
RT: 7.507 min Scan# 944
Delta R.T. 0.017 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

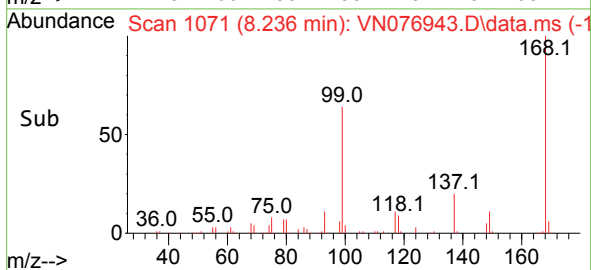
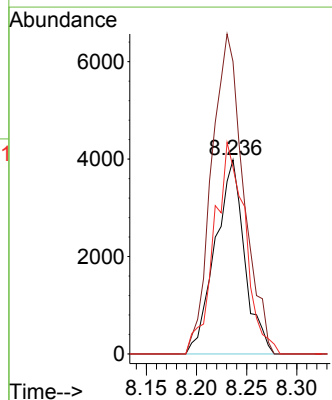
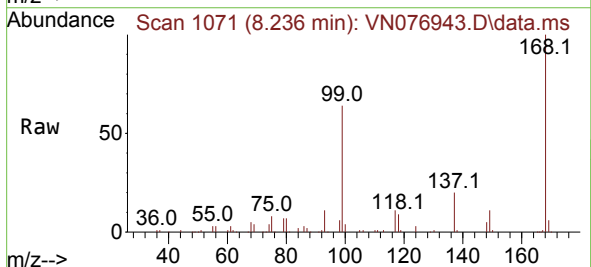
Instrument :
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ClientSampleId :
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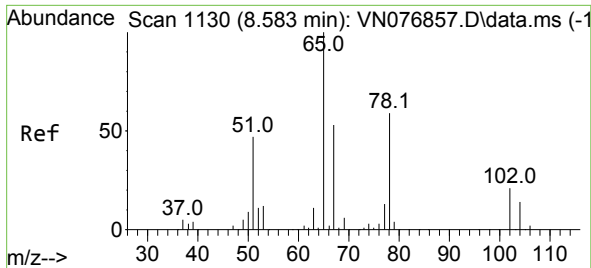
Tgt Ion: 43 Resp: 3762
Ion Ratio Lower Upper
43 100
72 23.5 28.8 43.2#



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.030 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion: 56 Resp: 8107
Ion Ratio Lower Upper
56 100
69 150.7 27.0 40.6#
84 96.2 82.9 124.3

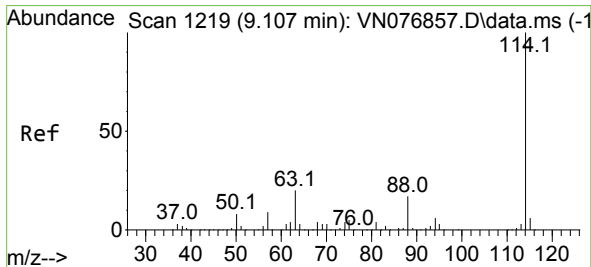
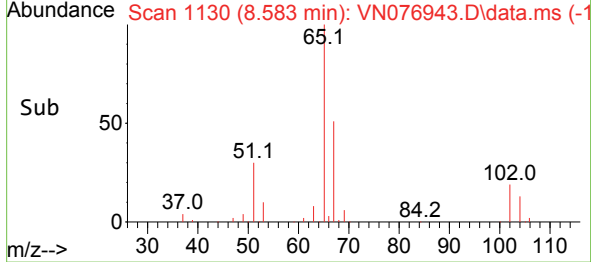
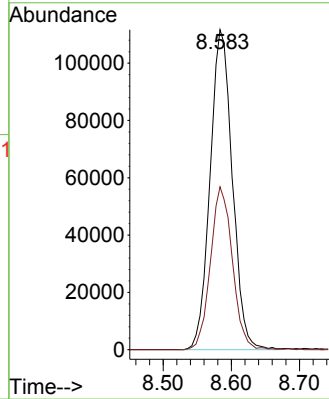
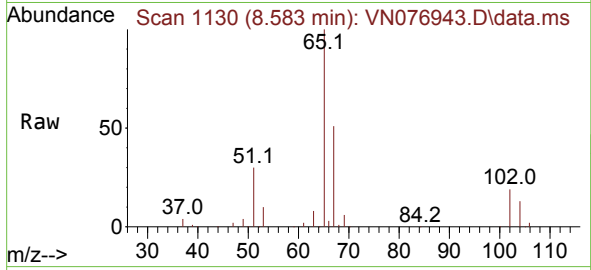




#33
 1,2-Dichloroethane-d4
 Concen: 48.130 ug/l
 RT: 8.583 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VN076943.D
 Acq: 10 Mar 2023 22:51

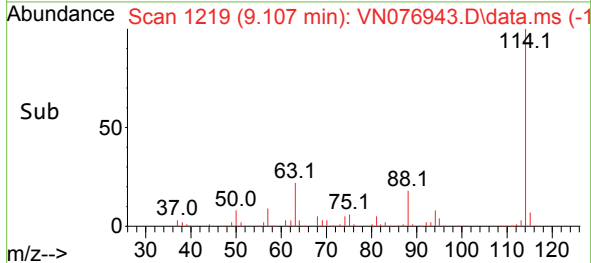
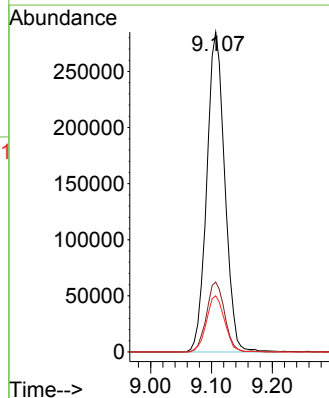
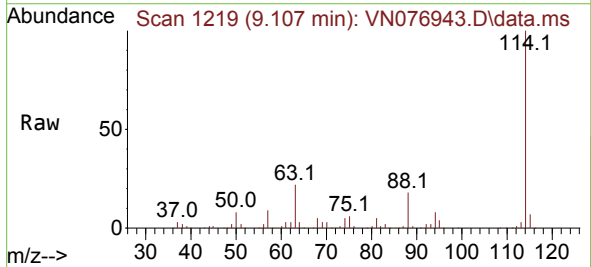
Instrument :
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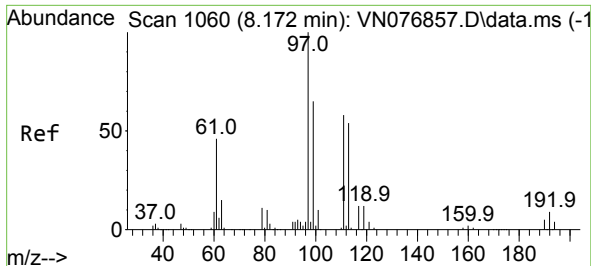
Tgt Ion: 65 Resp: 253874
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. -0.000 min
 Lab File: VN076943.D
 Acq: 10 Mar 2023 22:51

Tgt Ion: 114 Resp: 584232
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 36.6
 88 17.5 0.0 28.6

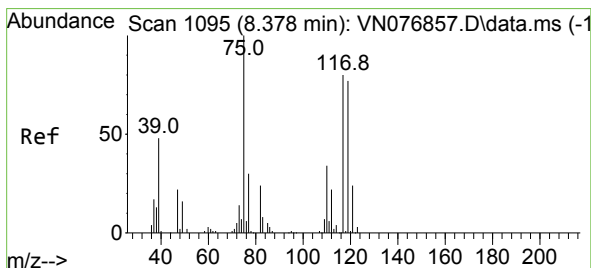
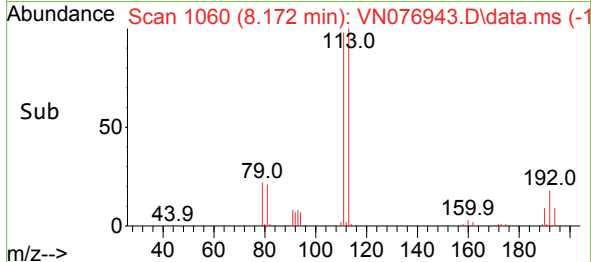
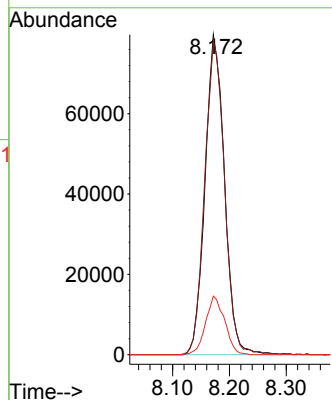
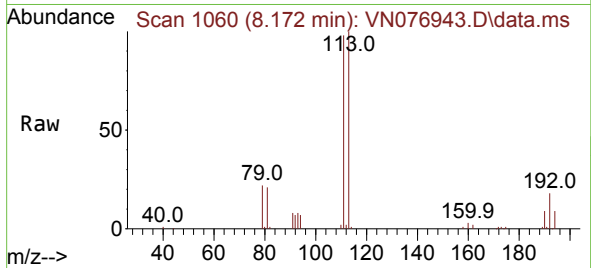




#35
Dibromofluoromethane
Concen: 48.616 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

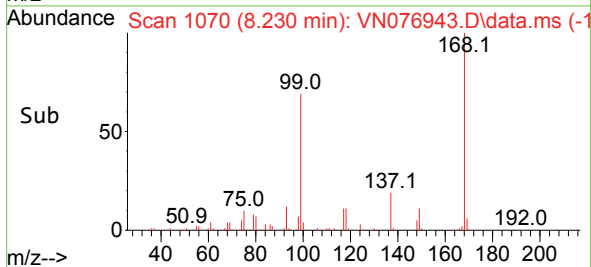
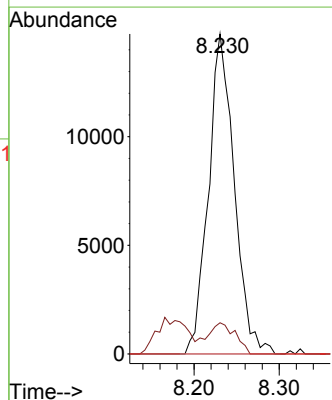
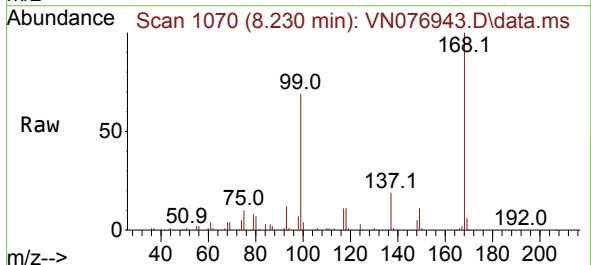
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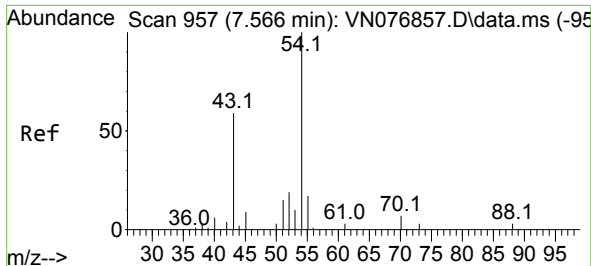
Tgt Ion:113 Resp: 189295
Ion Ratio Lower Upper
113 100
111 99.8 81.8 122.8
192 17.9 13.9 20.9



#36
1,1-Dichloropropene
Concen: 5.154 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion: 75 Resp: 31040
Ion Ratio Lower Upper
75 100
110 9.0 18.9 56.9#
77 0.0 24.9 37.3#

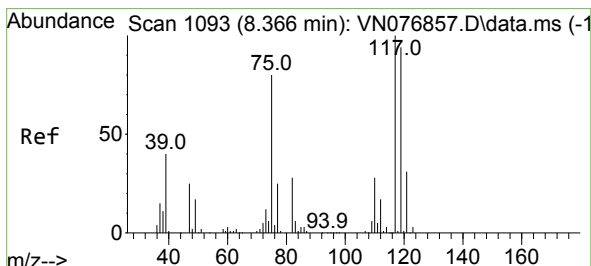
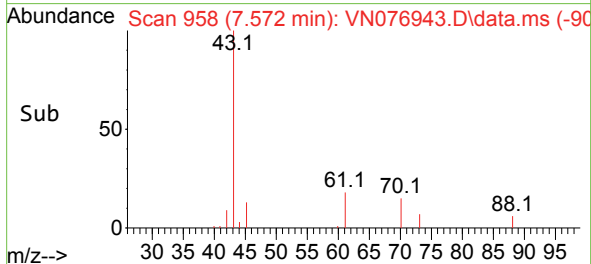
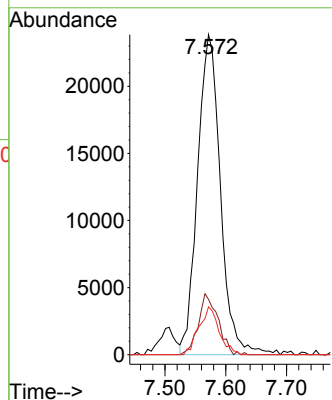
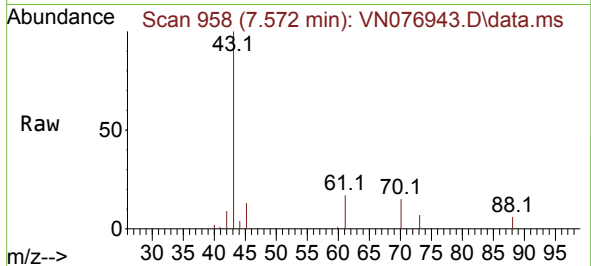




#37
Ethyl Acetate
Concen: 12.956 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

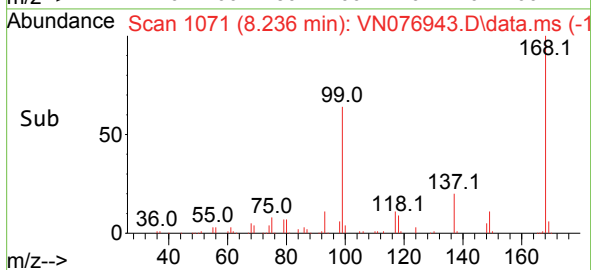
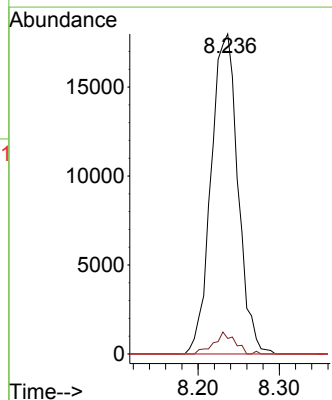
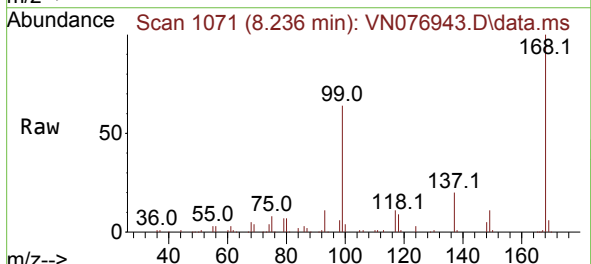
Instrument :
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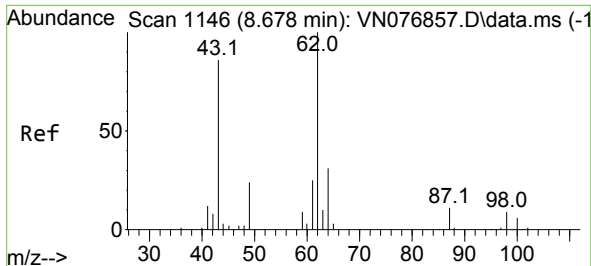
Tgt Ion:	43	Resp:	62395
Ion	Ratio	Lower	Upper
43	100		
61	16.4	13.5	20.3
70	13.2	11.0	16.6



#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.135 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion:	117	Resp:	41375
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.9	115.3#
121	0.0	23.2	34.8#





#42

1,2-Dichloroethane

Concen: 0.281 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.017 min

Lab File: VN076943.D

Acq: 10 Mar 2023 22:51

Instrument :

MSVOA_N

ClientSampleId :

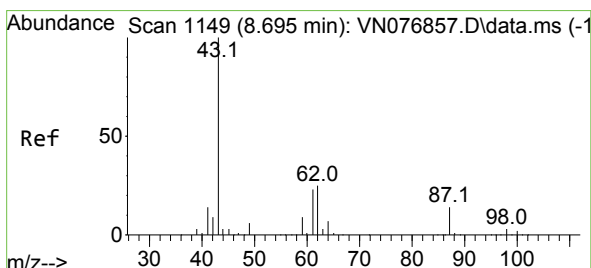
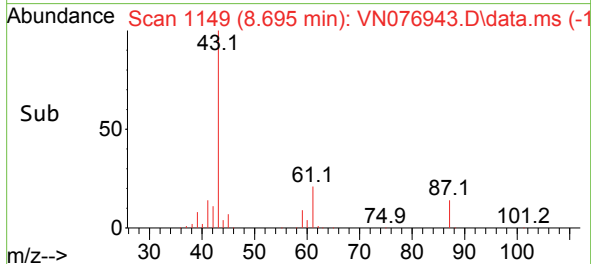
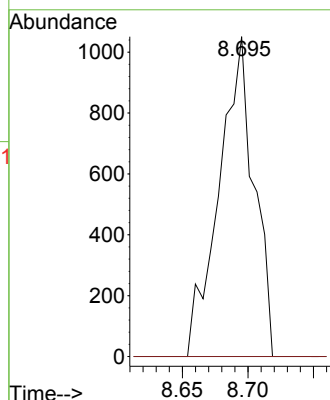
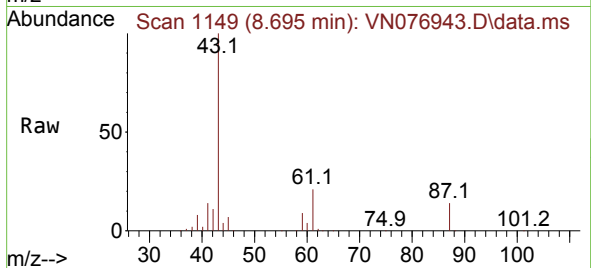
42

Tgt Ion: 62 Resp: 1946

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8



#43

Isopropyl Acetate

Concen: 35.233 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. -0.000 min

Lab File: VN076943.D

Acq: 10 Mar 2023 22:51

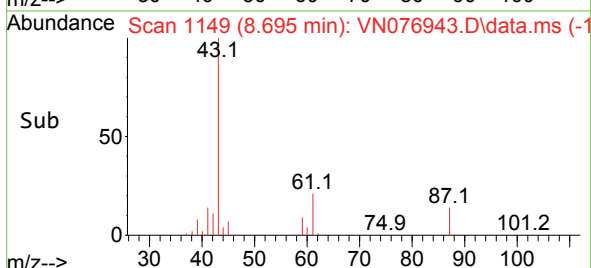
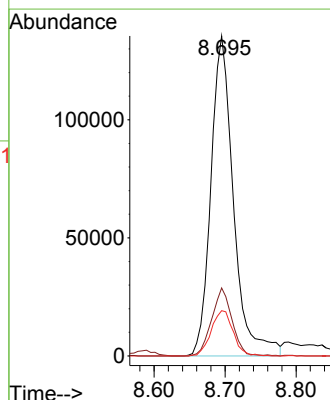
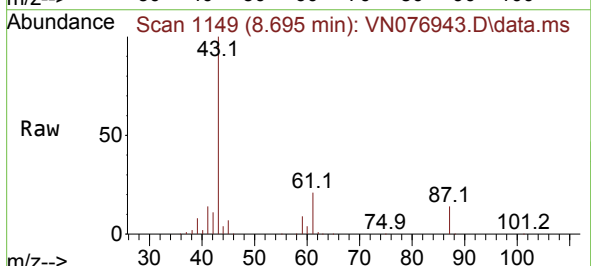
Tgt Ion: 43 Resp: 299532

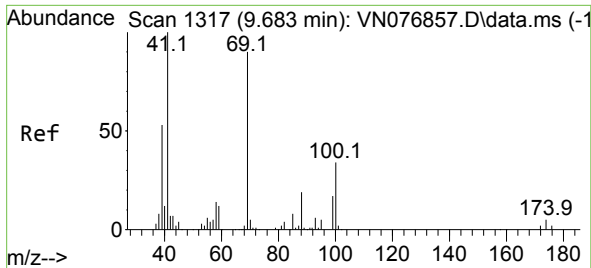
Ion Ratio Lower Upper

43 100

61 19.0 26.2 39.2#

87 13.7 14.8 22.2#

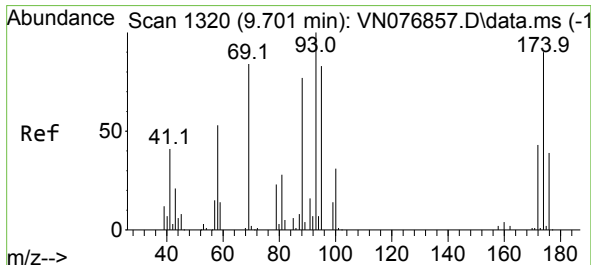
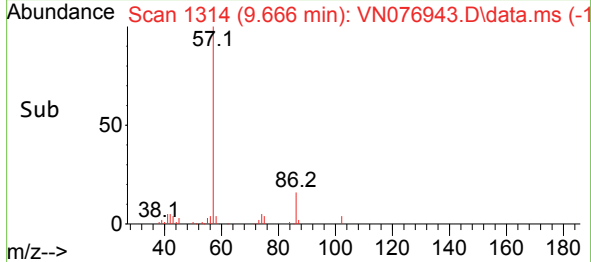
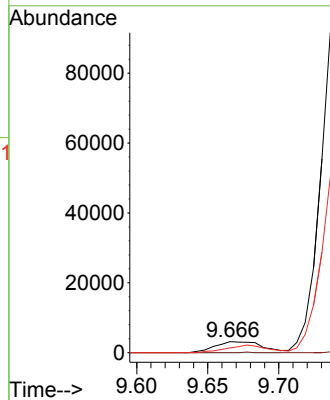
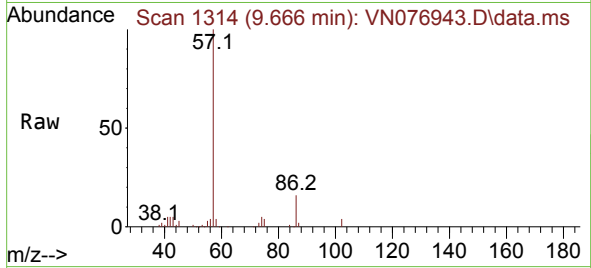




#48
Methyl methacrylate
Concen: 1.738 ug/l
RT: 9.666 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

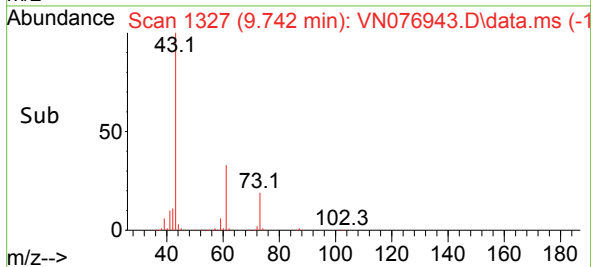
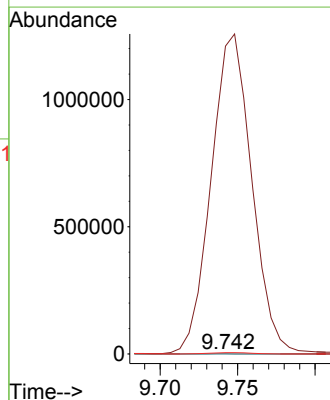
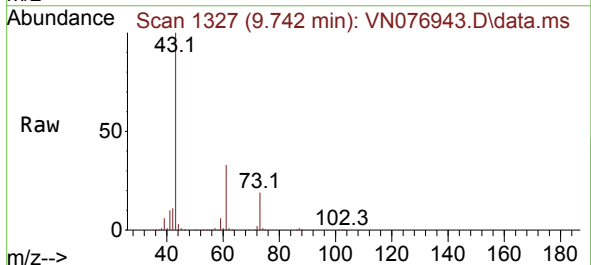
Instrument :
MSVOA_N
ClientSampleId :
42

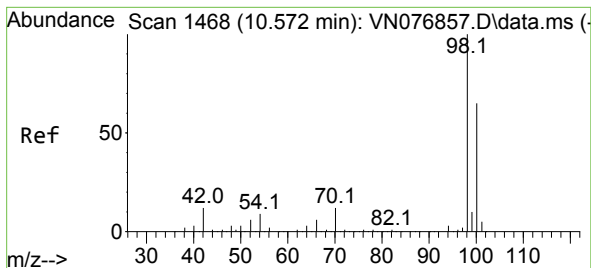
Tgt Ion: 41 Resp: 7240
Ion Ratio Lower Upper
41 100
69 0.9 92.6 139.0#
39 59.7 51.4 77.0



#49
1,4-Dioxane
Concen: 9.319 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.047 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion: 88 Resp: 735
Ion Ratio Lower Upper
88 100
43 313386.0 15.3 22.9#
58 1306.9 47.6 71.4#

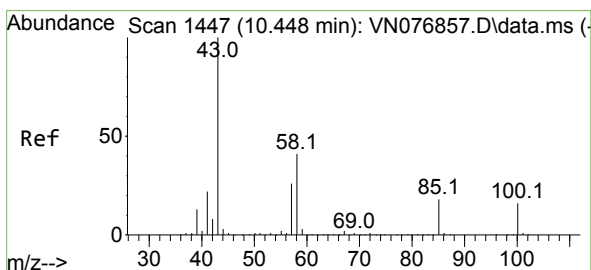
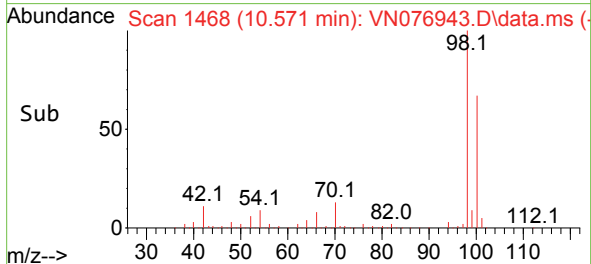
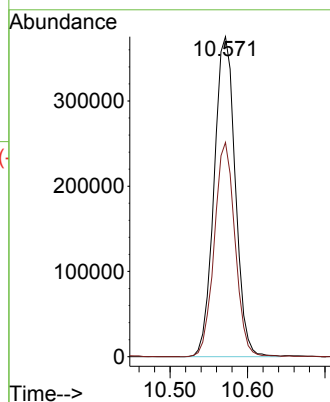
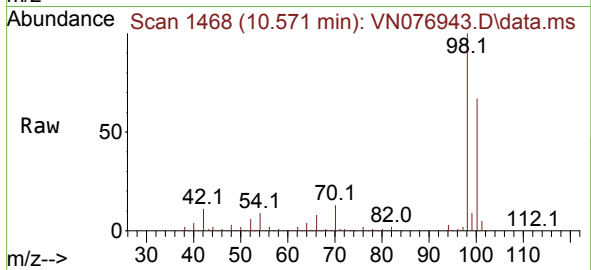




#50
Toluene-d8
Concen: 49.616 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

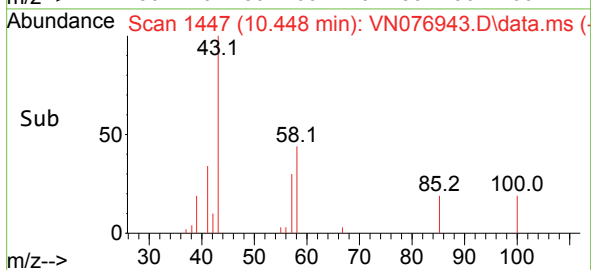
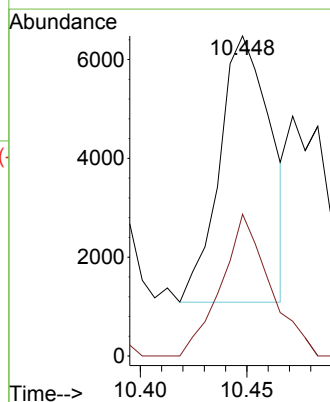
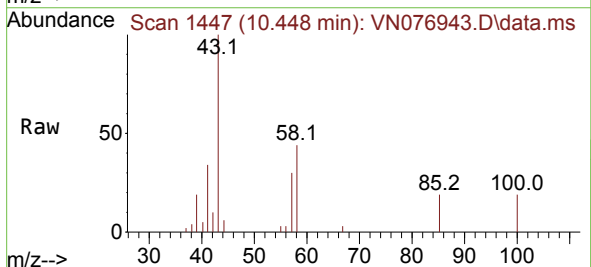
Instrument :
MSVOA_N
ClientSampleId :
42

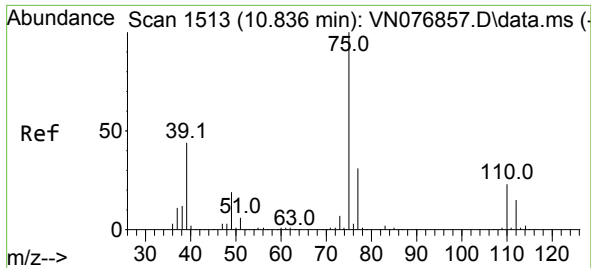
Tgt Ion: 98 Resp: 711997
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.771 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion: 43 Resp: 9043
Ion Ratio Lower Upper
43 100
58 50.5 37.4 56.0

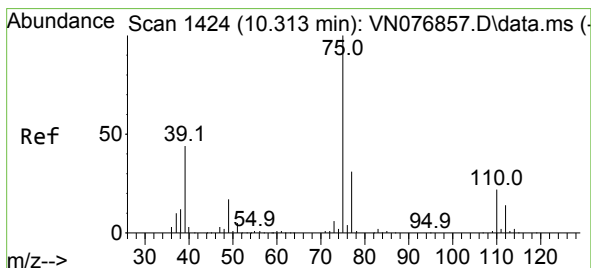
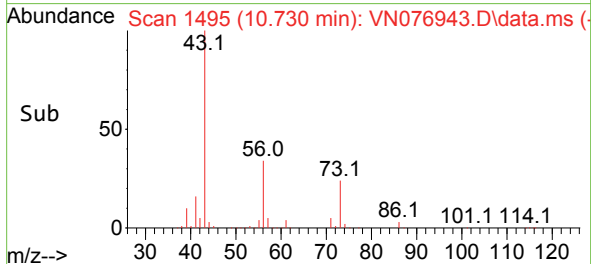
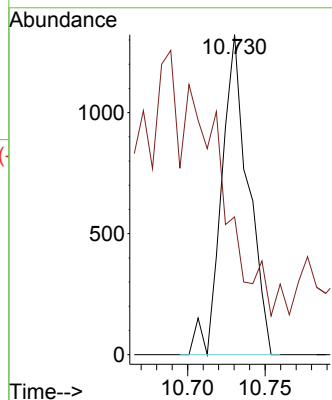
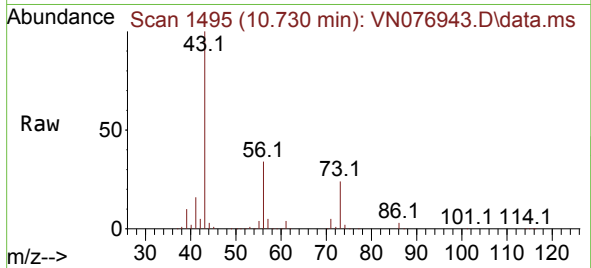




#53
 t-1,3-Dichloropropene
 Concen: 0.245 ug/l
 RT: 10.730 min Scan# 14
 Delta R.T. -0.106 min
 Lab File: VN076943.D
 Acq: 10 Mar 2023 22:51

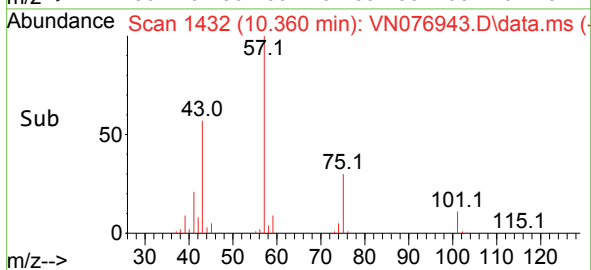
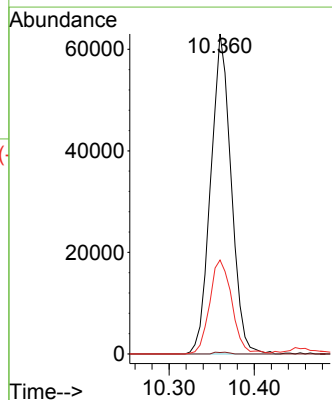
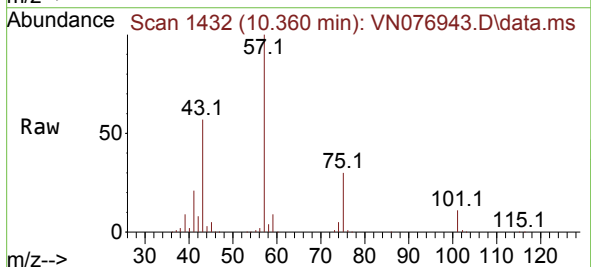
Instrument :
 MSVOA_N
 ClientSampleId :
 42

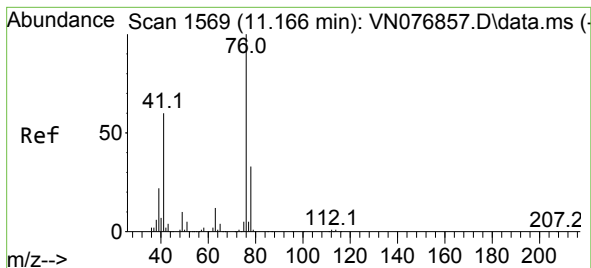
Tgt Ion: 75 Resp: 1581
 Ion Ratio Lower Upper
 75 100
 77 21.0 25.0 37.6#



#54
 cis-1,3-Dichloropropene
 Concen: 14.847 ug/l
 RT: 10.360 min Scan# 1432
 Delta R.T. 0.047 min
 Lab File: VN076943.D
 Acq: 10 Mar 2023 22:51

Tgt Ion: 75 Resp: 105184
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 29.4 29.7 44.5#

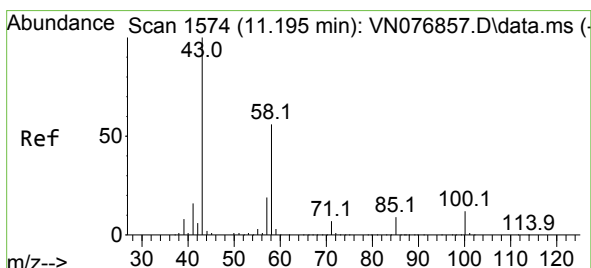
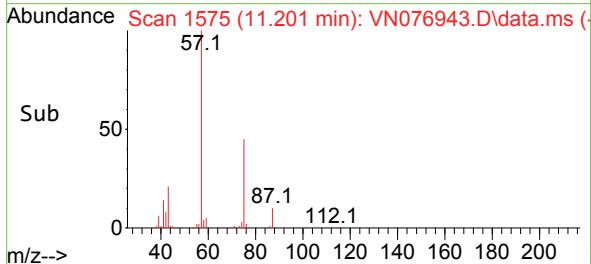
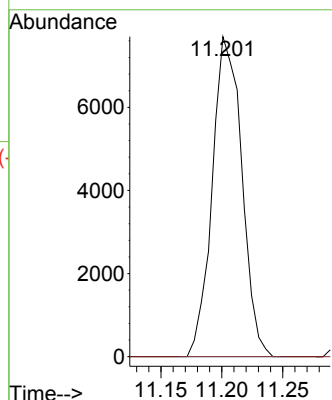
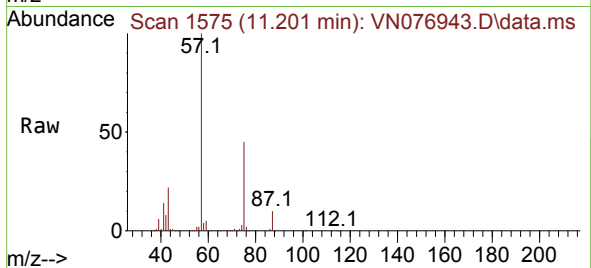




#57
1,3-Dichloropropane
Concen: 1.734 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

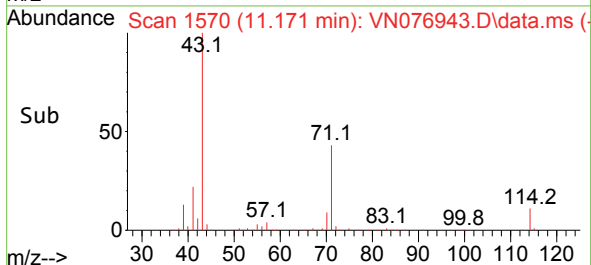
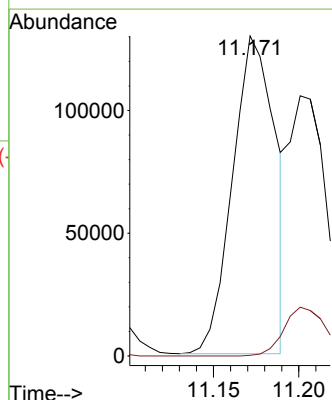
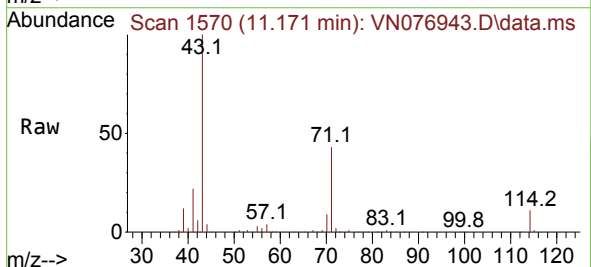
Instrument :
MSVOA_N
ClientSampleId :
42

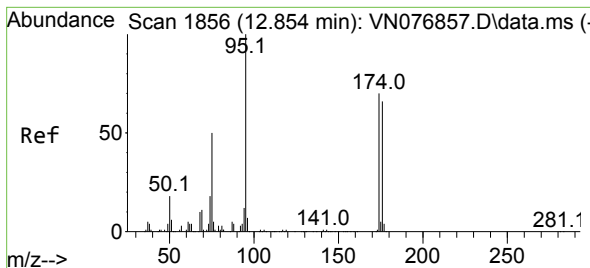
Tgt Ion: 76 Resp: 12996
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 60.358 ug/l
RT: 11.171 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion: 43 Resp: 224752
Ion Ratio Lower Upper
43 100
58 0.0 32.6 98.0#

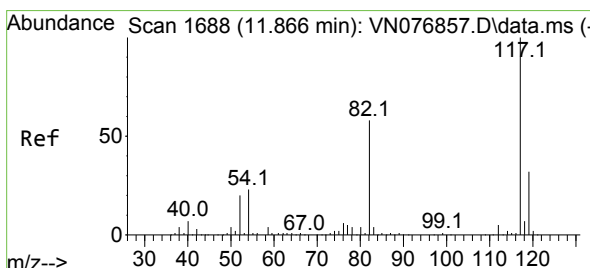
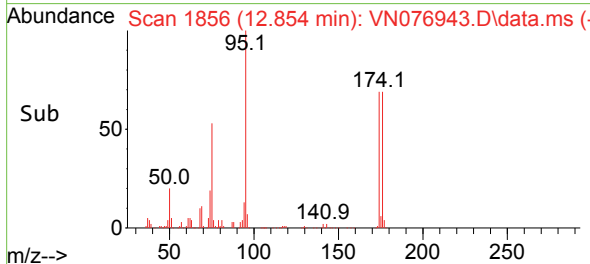
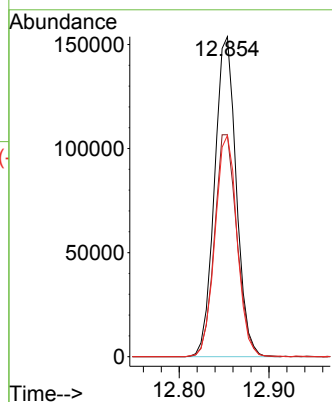
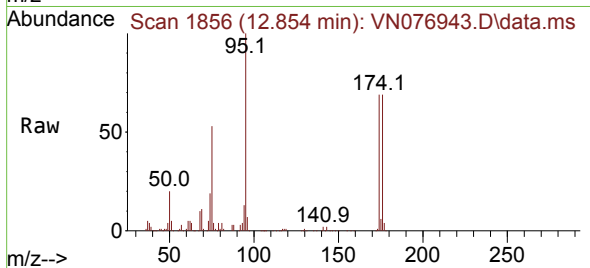




#62
4-Bromofluorobenzene
Concen: 49.114 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

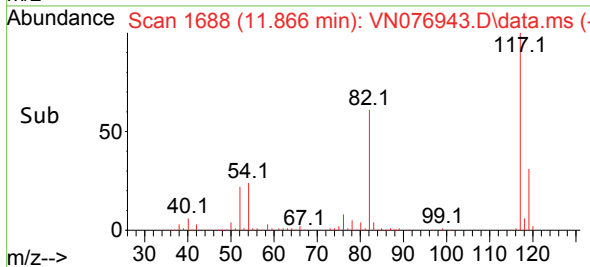
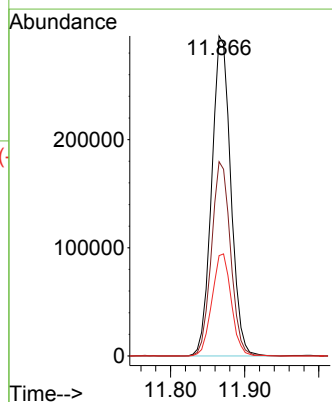
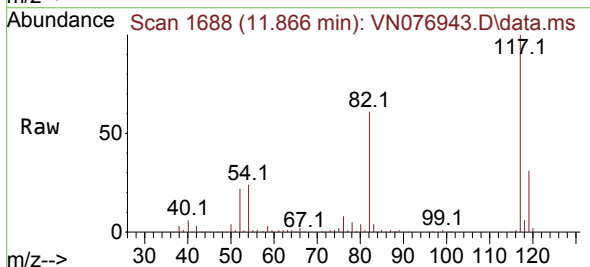
Instrument :
MSVOA_N
ClientSampleId :
42

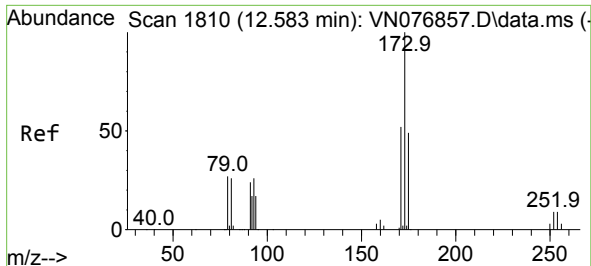
Tgt Ion: 95 Resp: 257791
Ion Ratio Lower Upper
95 100
174 71.9 0.0 162.4
176 70.4 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion: 117 Resp: 529029
Ion Ratio Lower Upper
117 100
82 60.7 43.5 65.3
119 31.4 25.5 38.3

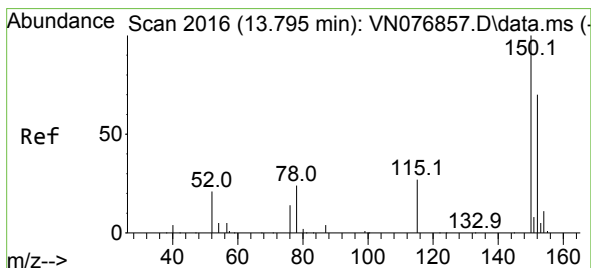
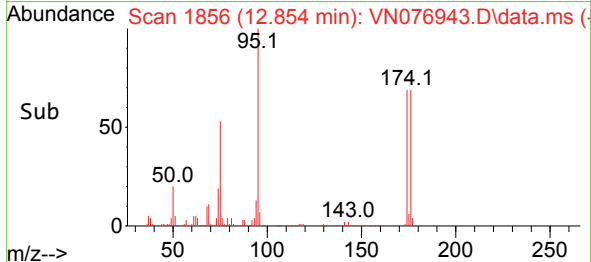
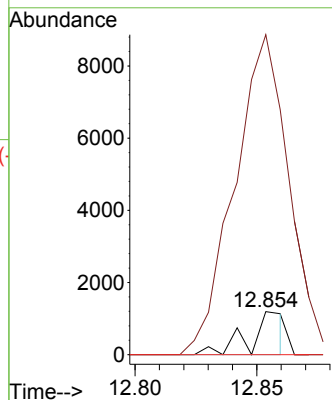
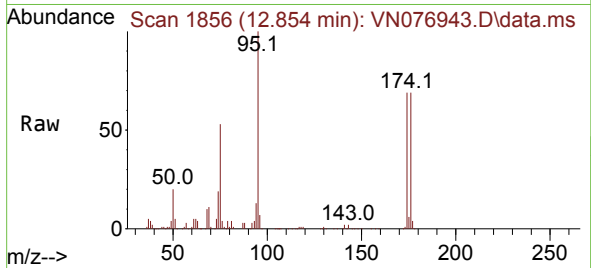




#71
Bromoform
Concen: 0.347 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.270 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

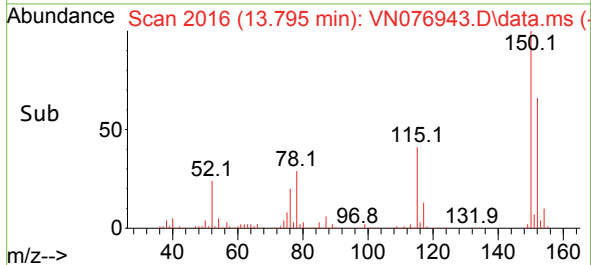
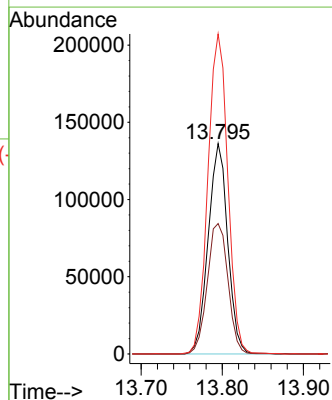
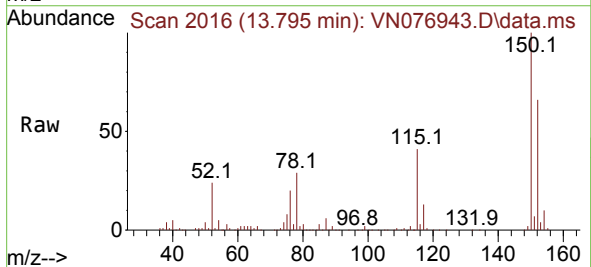
Instrument :
MSVOA_N
ClientSampleId :
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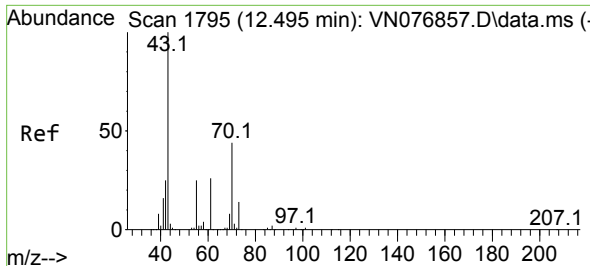
Tgt Ion:173 Resp: 1162
Ion Ratio Lower Upper
173 100
175 1010.2 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

Tgt Ion:152 Resp: 227072
Ion Ratio Lower Upper
152 100
115 65.8 30.3 90.9
150 155.1 0.0 353.6

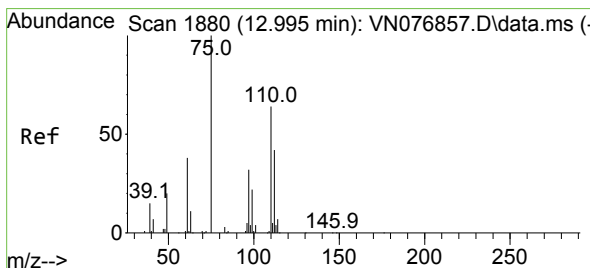
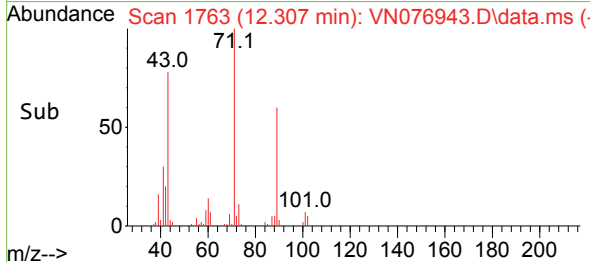
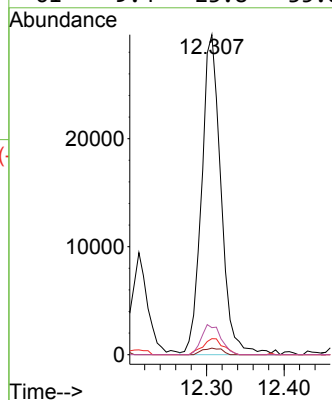
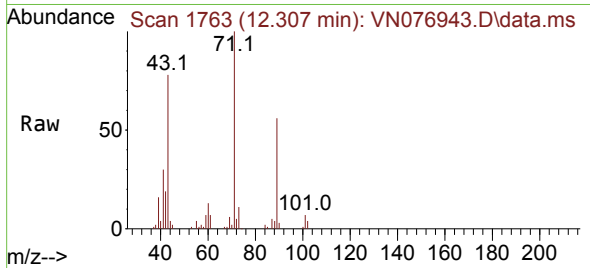




#74
N-amy1 acetate
Concen: 7.683 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

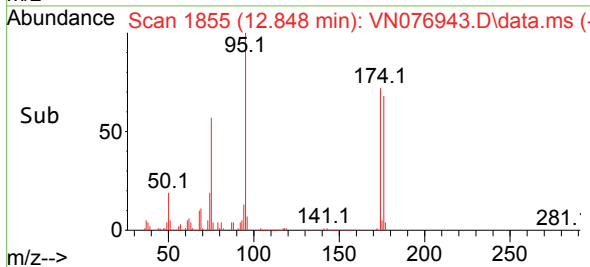
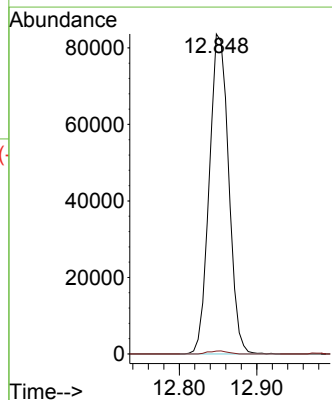
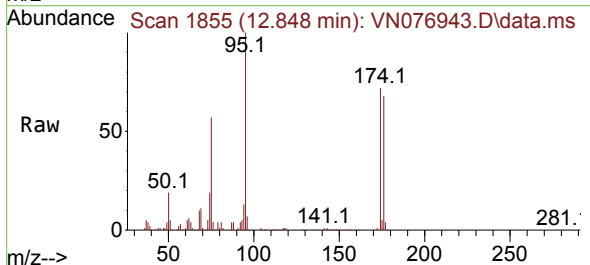
Instrument :
MSVOA_N
ClientSampleId :
42

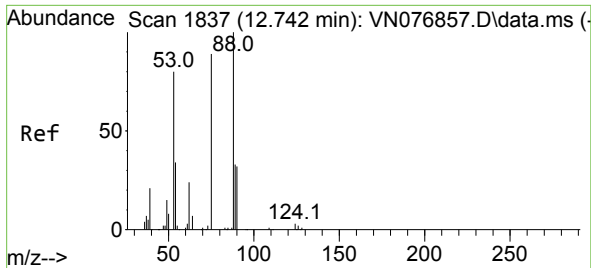
Tgt Ion:	43	Resp:	51473
Ion	Ratio	Lower	Upper
43	100		
70	2.1	46.8	70.2#
55	5.3	23.4	35.2#
61	9.4	23.8	35.8#



#76
1,2,3-Trichloropropane
Concen: 26.331 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076943.D
Acq: 10 Mar 2023 22:51

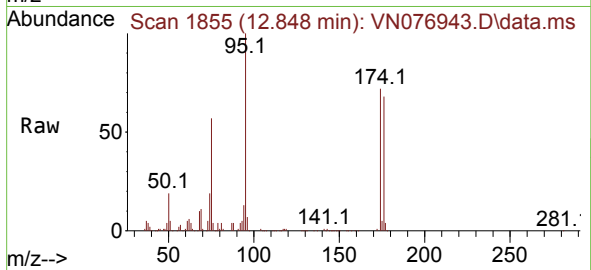
Tgt Ion:	75	Resp:	144956
Ion	Ratio	Lower	Upper
75	100		
77	0.9	93.8	281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.009 ug/l
 RT: 12.848 min Scan# 1142
 Delta R.T. 0.106 min
 Lab File: VN076943.D
 Acq: 10 Mar 2023 22:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 144956
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

