

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073923.D
 Acq On : 16 Aug 2022 03:20
 Operator : JC\MD
 Sample : N4188-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S10

Quant Time: Aug 16 05:15:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

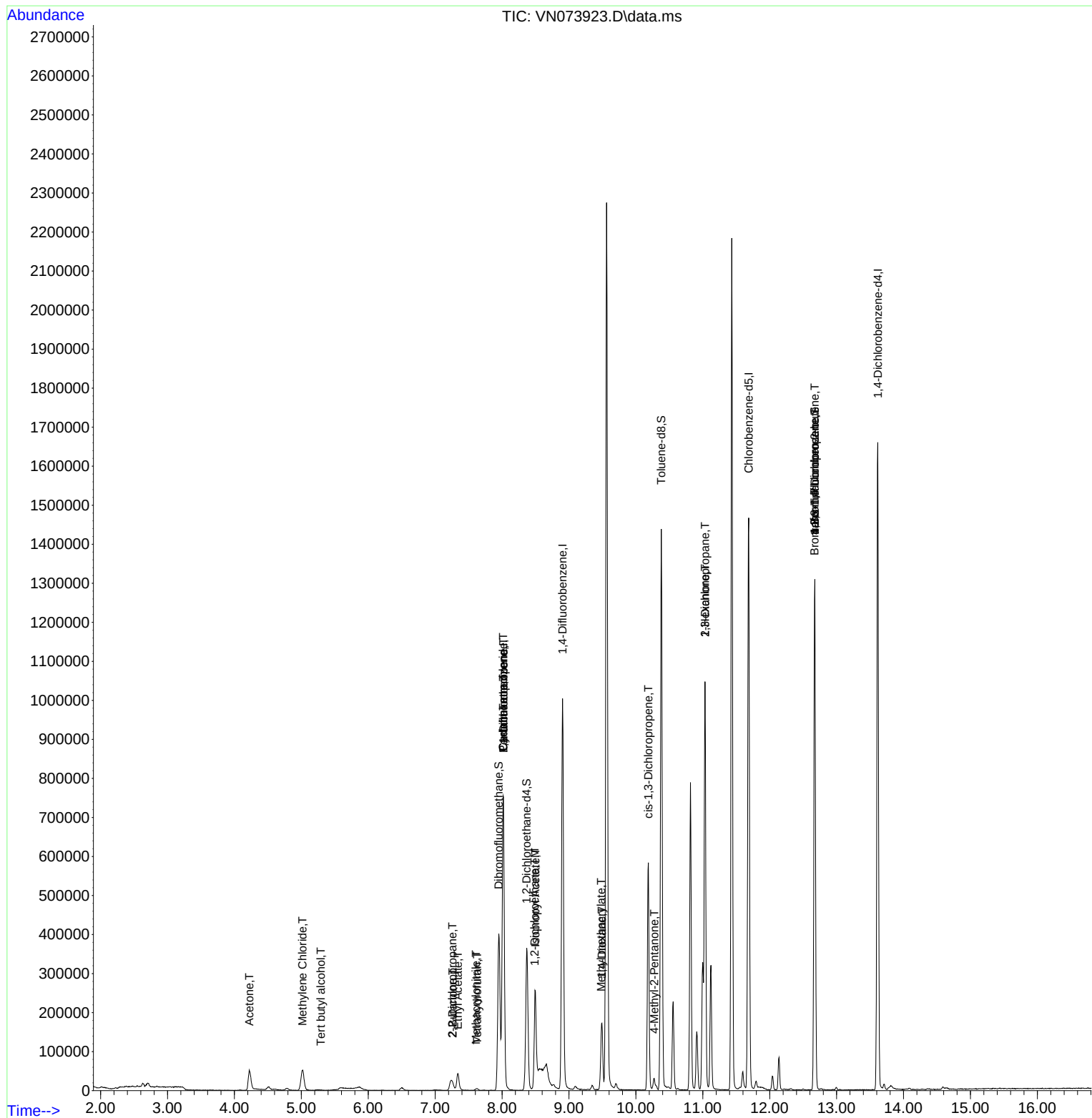
Internal Standards						
1) Pentafluorobenzene	8.022	168	655741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	955645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	938746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	499775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	308644	48.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.640%		
35) Dibromofluoromethane	7.951	113	299352	52.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.940%		
50) Toluene-d8	10.380	98	1021828	46.684	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.360%		
62) 4-Bromofluorobenzene	12.674	95	430625	59.280	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	118.560%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.292	59	897	0.628	ug/l #	72
16) Acetone	4.222	43	94624	31.403	ug/l	95
18) Methyl Acetate	4.787	43	11114	Below Cal		97
20) Methylene Chloride	5.016	84	46072	7.246	ug/l	95
25) 2-Butanone	7.263	43	18813	3.938	ug/l	98
26) 2,2-Dichloropropane	7.257	77	2030	0.214	ug/l #	53
29) Tetrahydrofuran	7.628	42	3436	1.121	ug/l	94
31) Cyclohexane	8.016	56	10224	1.148	ug/l #	6
36) 1,1-Dichloropropene	8.022	75	39527	5.035	ug/l #	50
37) Ethyl Acetate	7.339	43	66911	7.036	ug/l	99
38) Carbon Tetrachloride	8.016	117	54080	6.027	ug/l #	16
41) Methacrylonitrile	7.610	41	867	0.202	ug/l #	16
42) 1,2-Dichloroethane	8.486	62	2212	0.260	ug/l #	74
43) Isopropyl Acetate	8.498	43	305983	22.585	ug/l #	91
48) Methyl methacrylate	9.480	41	9094	1.569	ug/l #	39
49) 1,4-Dioxane	9.492	88	73	0.423	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	27325	2.983	ug/l #	77
54) cis-1,3-Dichloropropene	10.186	75	116821	11.791	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	11839	1.102	ug/l #	42
59) 2-Hexanone	11.033	43	114260	16.209	ug/l #	55
71) Bromoform	12.668	173	2106	0.312	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	213763	20.578	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	213763	58.529	ug/l #	10

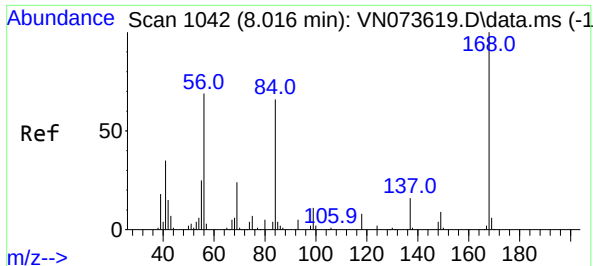
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

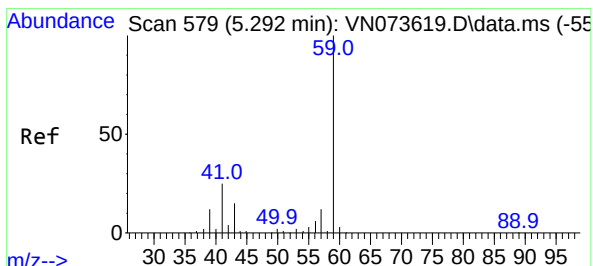
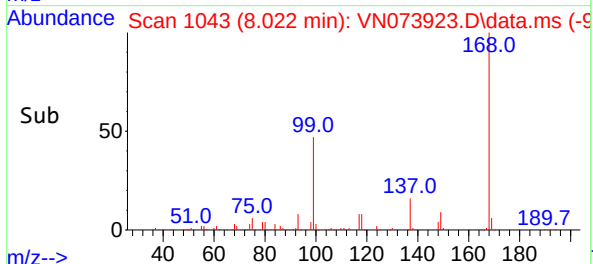
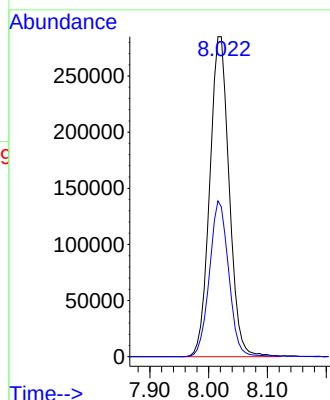
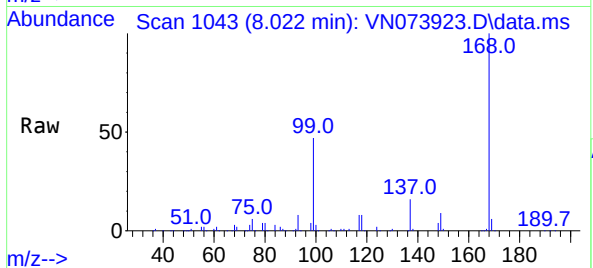




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

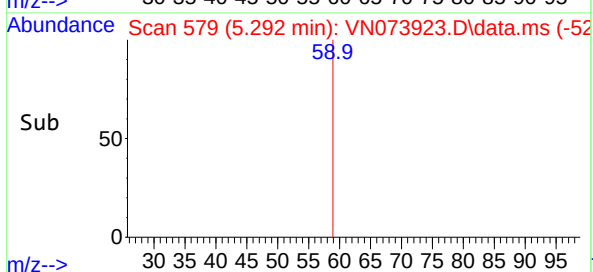
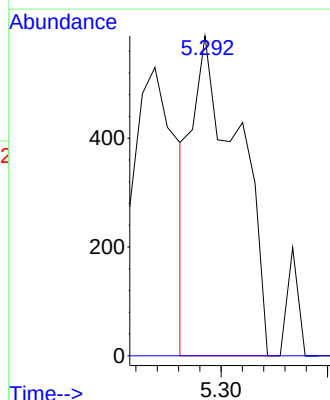
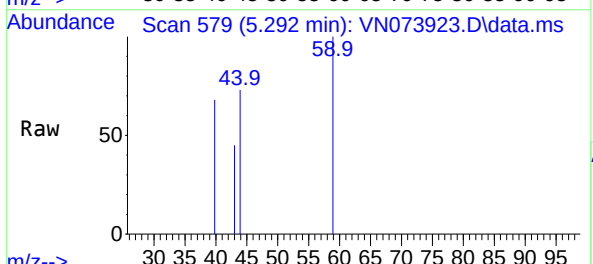
Instrument :
MSVOA_N
ClientSampleId :
S10

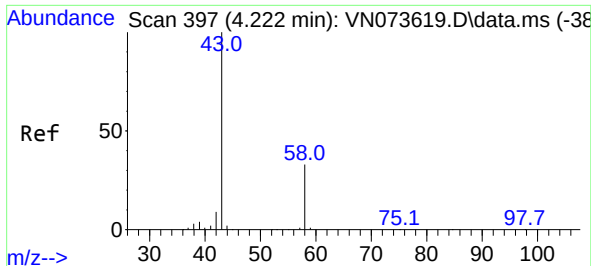
Tgt Ion:168 Resp: 655741
Ion Ratio Lower Upper
168 100
99 46.8 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.628 ug/l
RT: 5.292 min Scan# 579
Delta R.T. 0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 59 Resp: 897
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

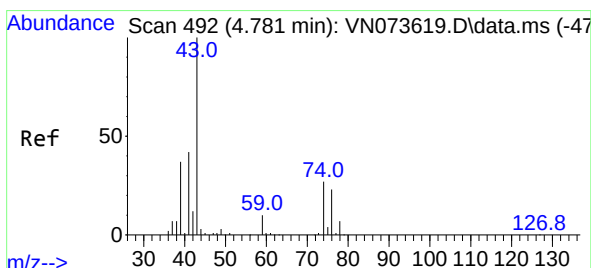
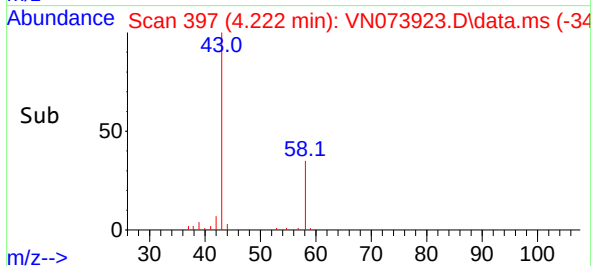
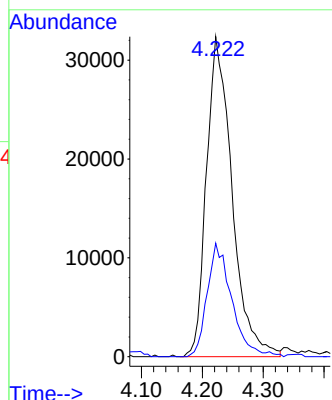
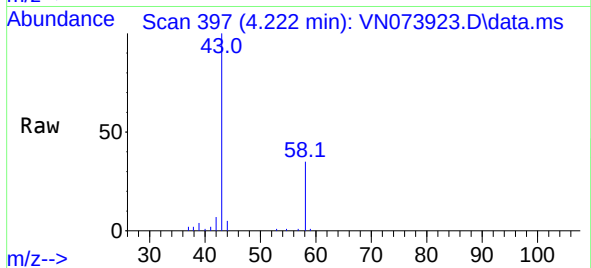




#16
Acetone
Concen: 31.403 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

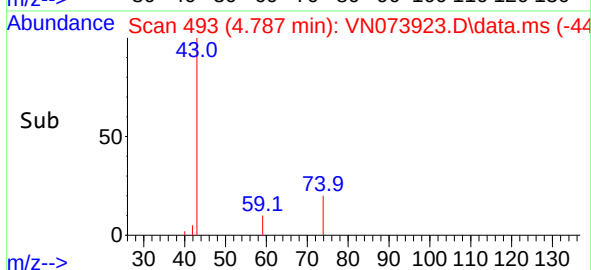
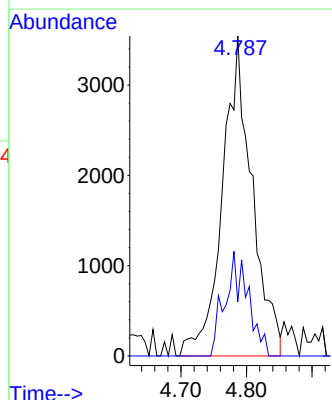
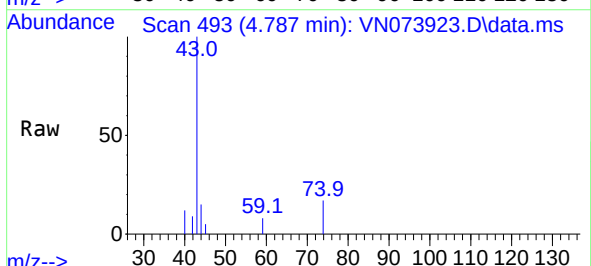
Instrument :
MSVOA_N
ClientSampleId :
S10

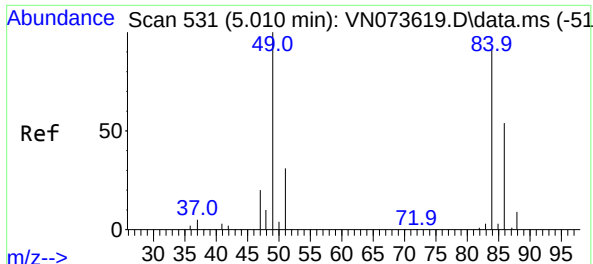
Tgt Ion: 43 Resp: 94624
Ion Ratio Lower Upper
43 100
58 35.4 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 43 Resp: 11114
Ion Ratio Lower Upper
43 100
74 25.2 21.6 32.4



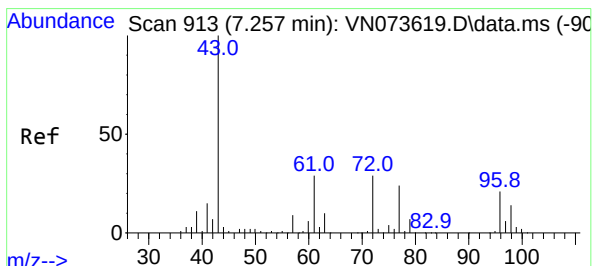
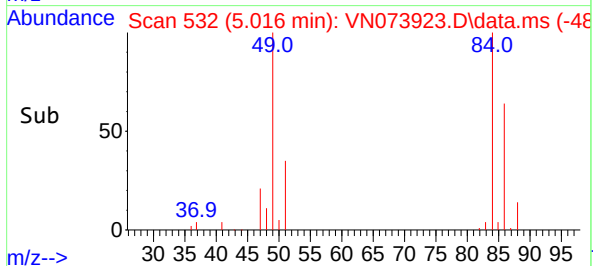
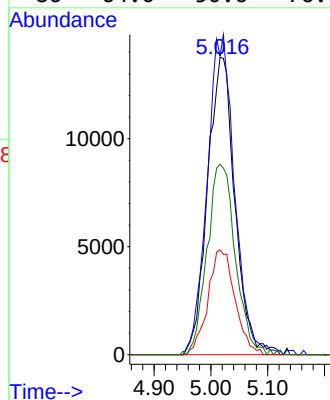
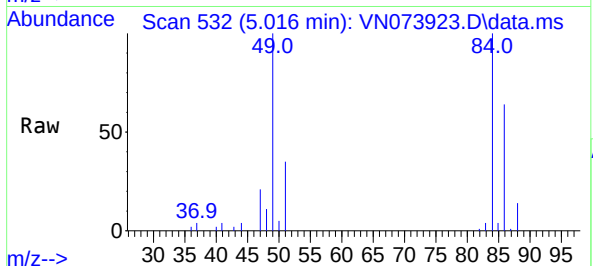


#20
Methylene Chloride
Concen: 7.246 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Instrument :
MSVOA_N
ClientSampleId :
S10

Tgt Ion: 84 Resp: 46072

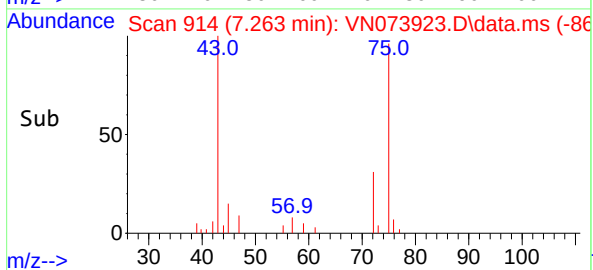
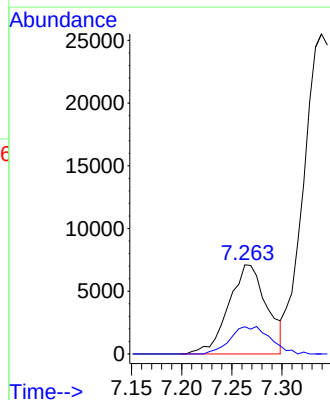
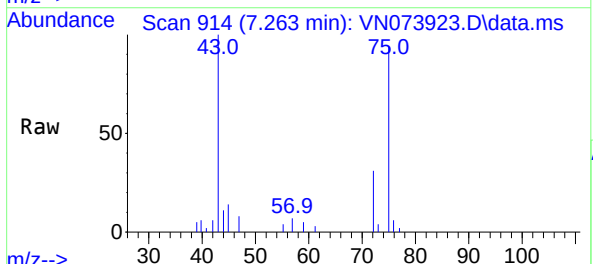
Ion	Ratio	Lower	Upper
84	100		
49	100.5	88.3	132.5
51	35.2	28.2	42.2
86	64.0	50.6	76.0

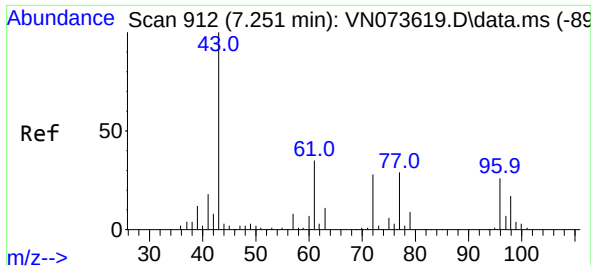


#25
2-Butanone
Concen: 3.938 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 43 Resp: 18813

Ion	Ratio	Lower	Upper
43	100		
72	30.6	23.7	35.5





#26

2,2-Dichloropropane

Concen: 0.214 ug/l

RT: 7.257 min Scan# 912

Delta R.T. 0.006 min

Lab File: VN073923.D

Acq: 16 Aug 2022 03:20

Instrument :

MSVOA_N

ClientSampleId :

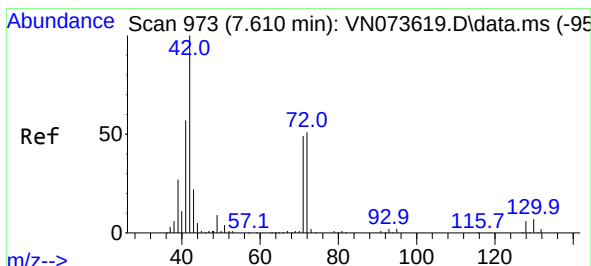
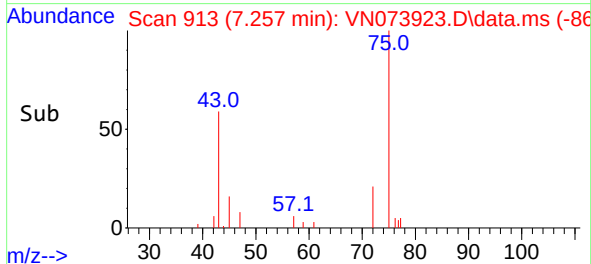
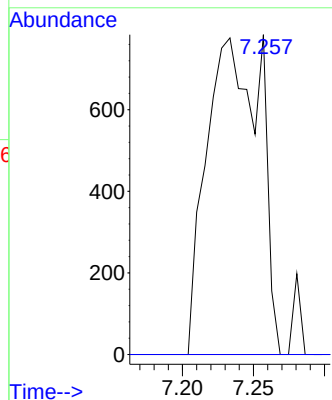
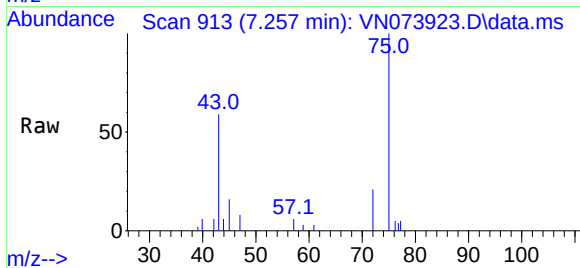
S10

Tgt Ion: 77 Resp: 2030

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 1.121 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073923.D

Acq: 16 Aug 2022 03:20

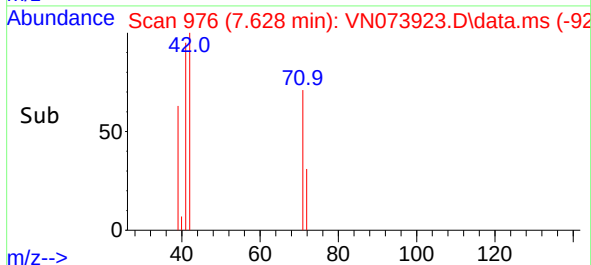
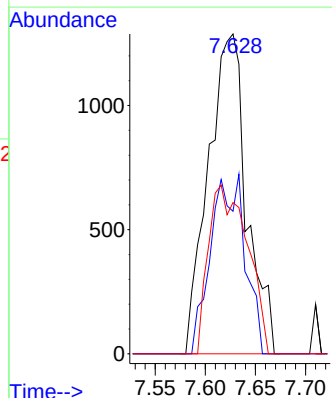
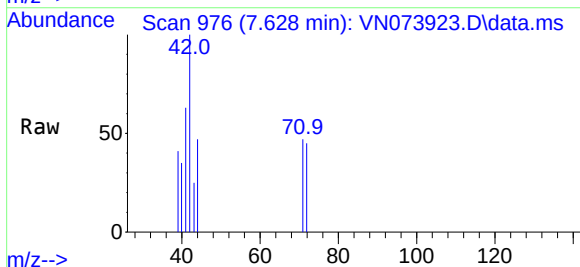
Tgt Ion: 42 Resp: 3436

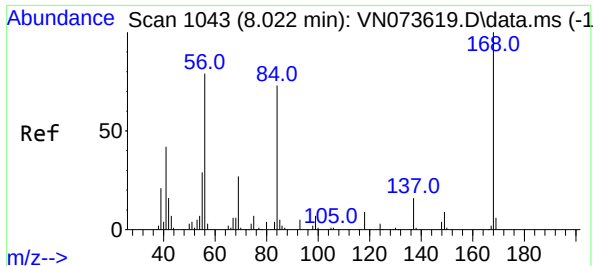
Ion Ratio Lower Upper

42 100

72 49.3 39.7 59.5

71 53.3 36.6 55.0

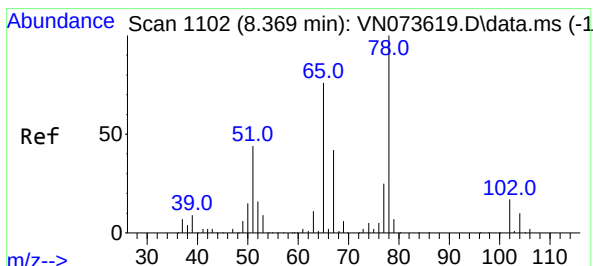
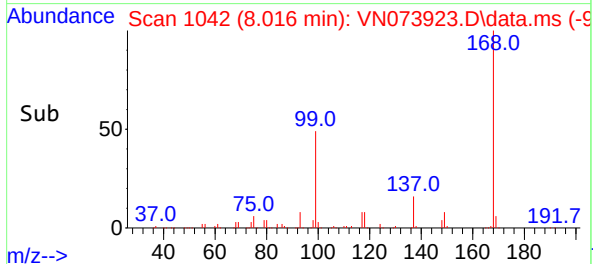
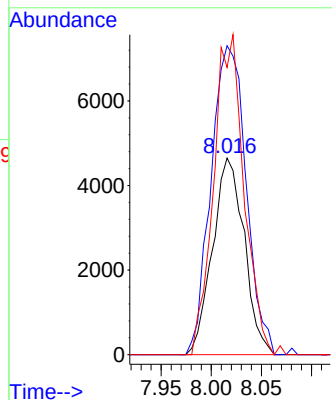
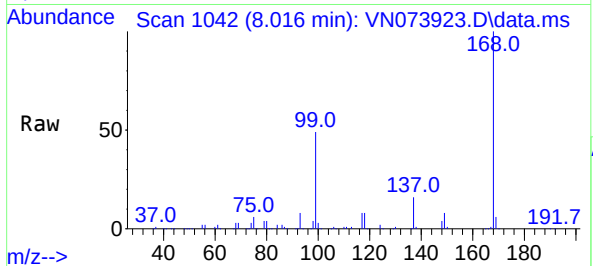




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

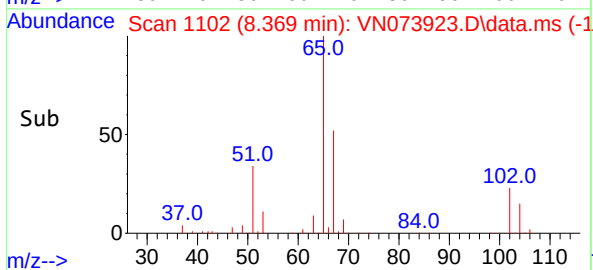
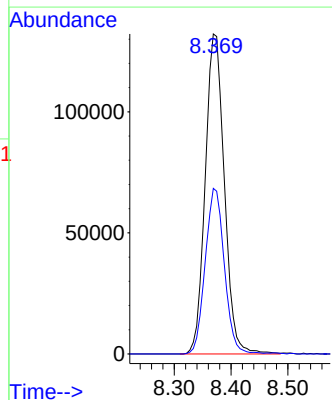
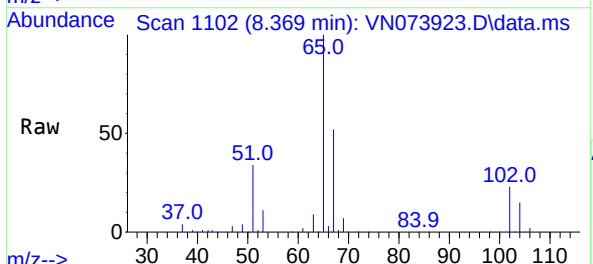
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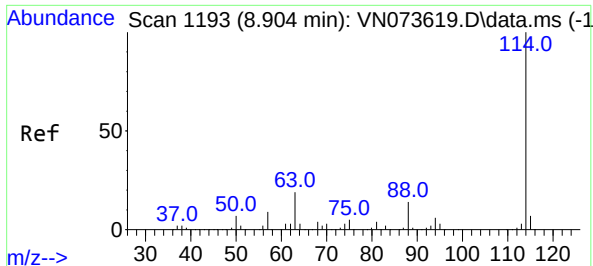
Tgt Ion: 56 Resp: 10224
Ion Ratio Lower Upper
56 100
69 157.2 27.8 41.8#
84 146.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.325 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 65 Resp: 308644
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8

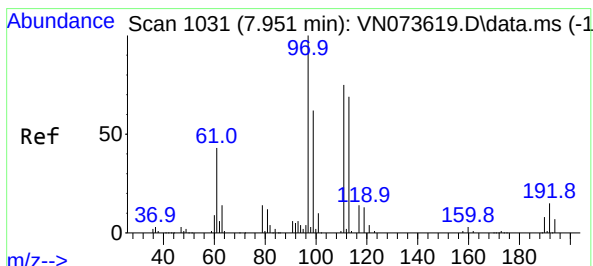
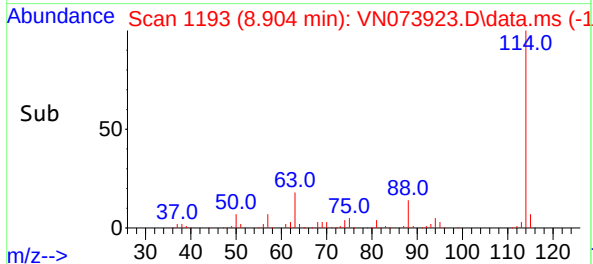
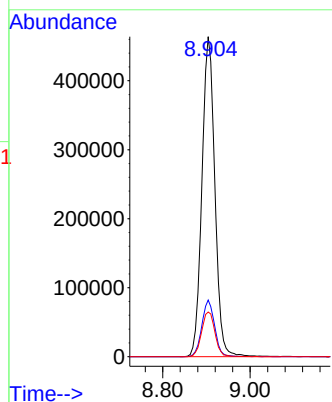
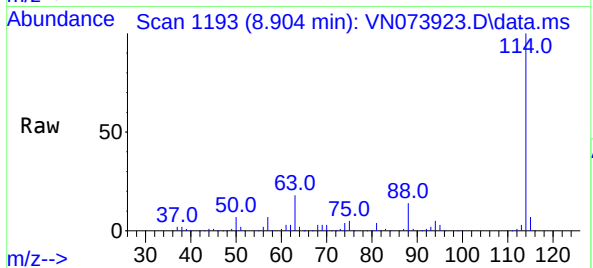




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

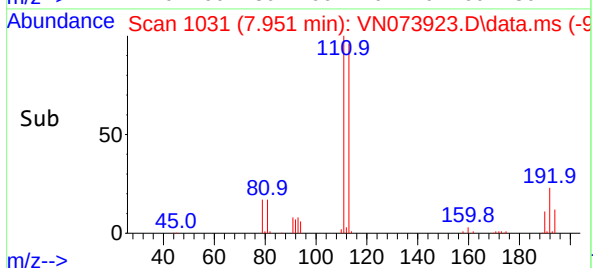
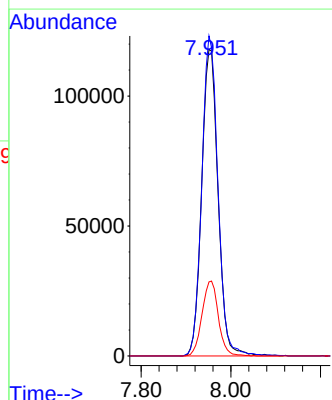
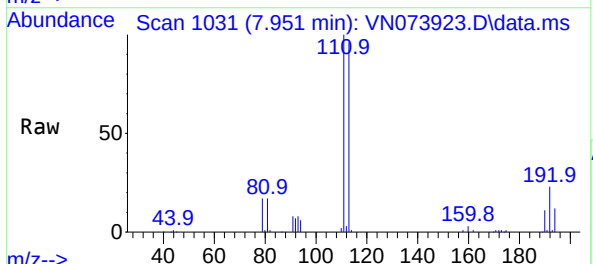
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ClientSampleId :
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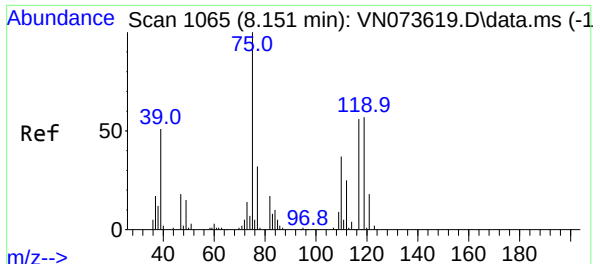
Tgt Ion:114 Resp: 955645
Ion Ratio Lower Upper
114 100
63 17.7 0.0 40.0
88 13.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.968 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion:113 Resp: 299352
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 24.3 17.0 25.6

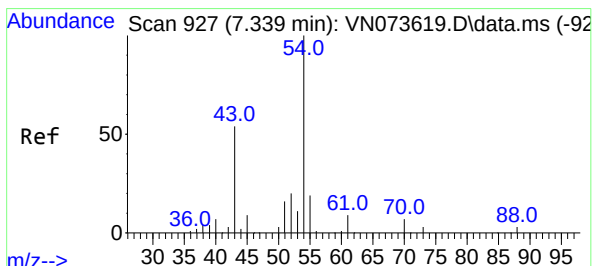
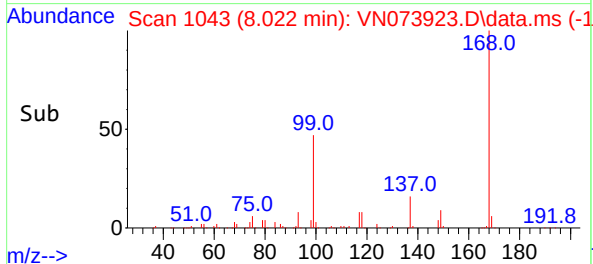
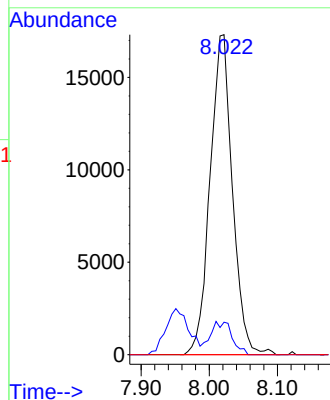
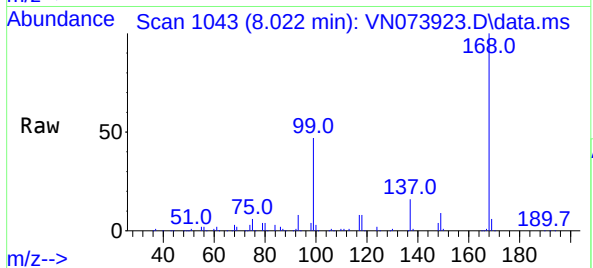




#36
1,1-Dichloropropene
Concen: 5.035 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

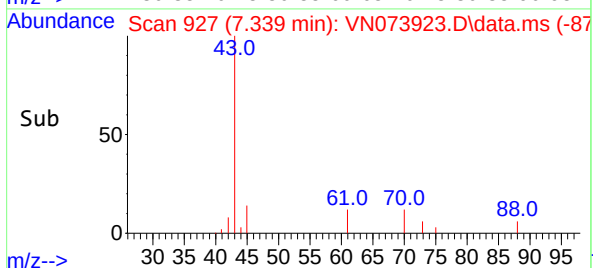
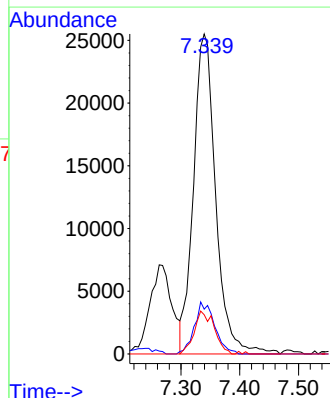
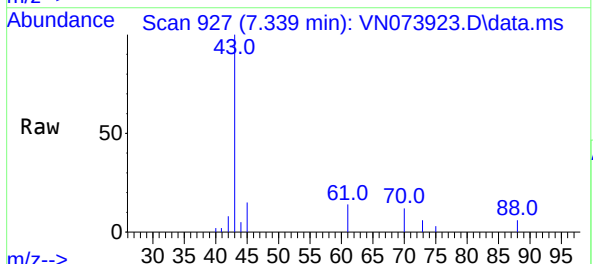
Instrument :
MSVOA_N
ClientSampleId :
S10

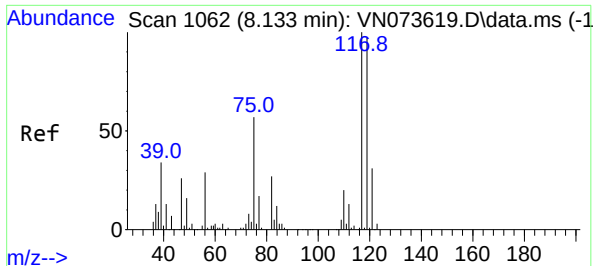
Tgt Ion: 75 Resp: 39527
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.036 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 43 Resp: 66911
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 12.1 9.3 13.9

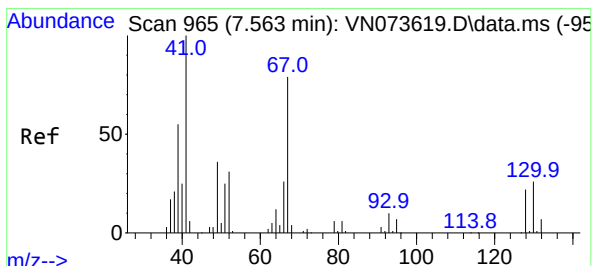
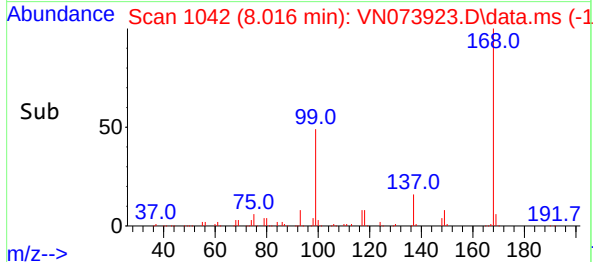
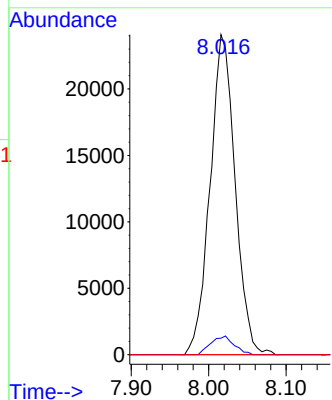
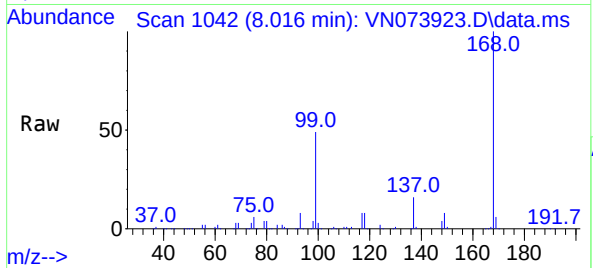




#38
Carbon Tetrachloride
Concen: 6.027 ug/l
RT: 8.016 min Scan# 117
Delta R.T. -0.117 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

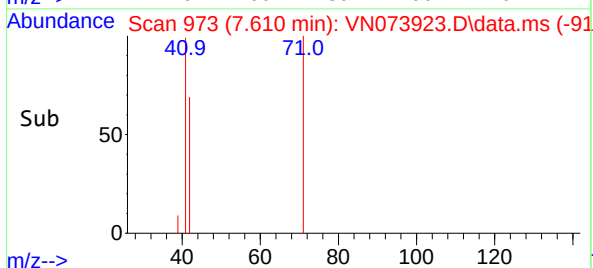
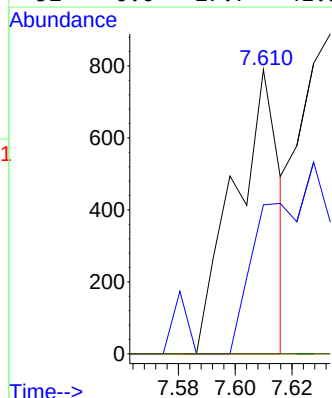
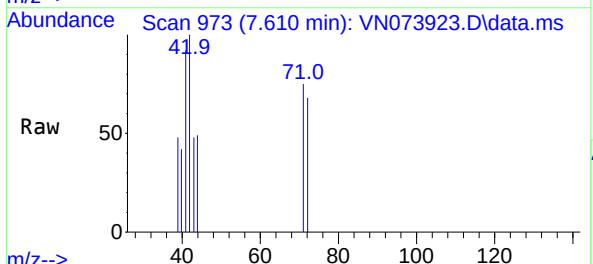
Instrument :
MSVOA_N
ClientSampleId :
S10

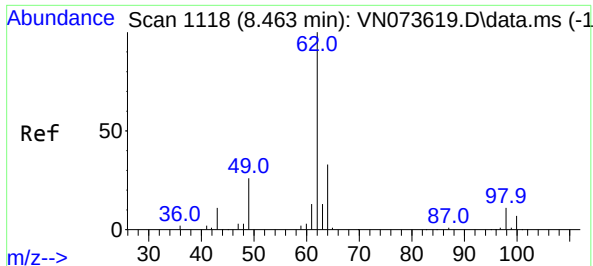
Tgt Ion:117 Resp: 54080
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.202 ug/l
RT: 7.610 min Scan# 973
Delta R.T. 0.047 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 41 Resp: 867
Ion Ratio Lower Upper
41 100
39 0.0 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.260 ug/l

RT: 8.486 min Scan# 1112

Delta R.T. 0.023 min

Lab File: VN073923.D

Acq: 16 Aug 2022 03:20

Instrument :

MSVOA_N

ClientSampleId :

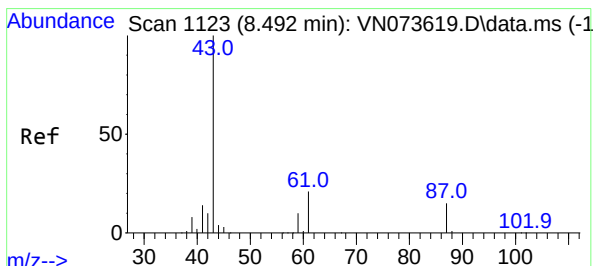
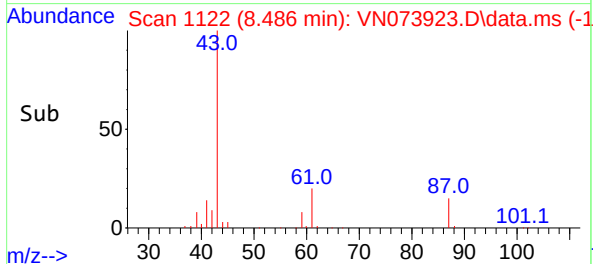
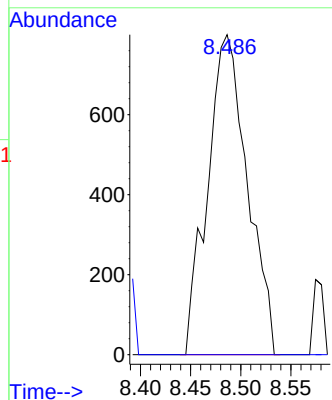
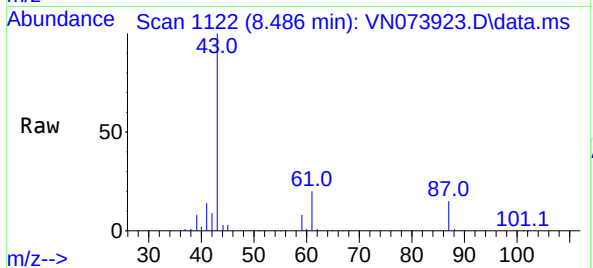
S10

Tgt Ion: 62 Resp: 2212

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 22.585 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073923.D

Acq: 16 Aug 2022 03:20

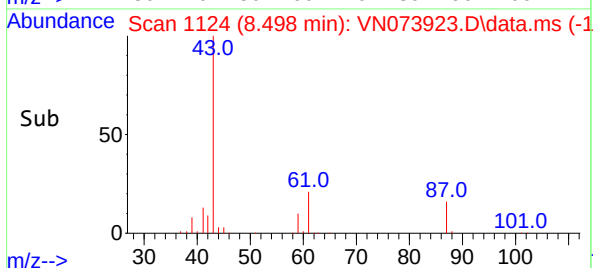
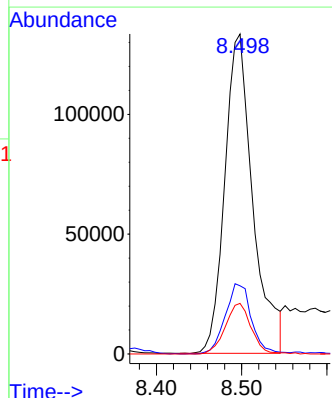
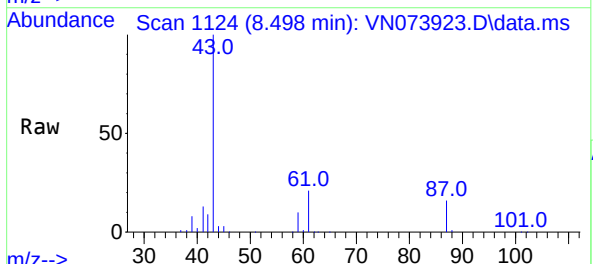
Tgt Ion: 43 Resp: 305983

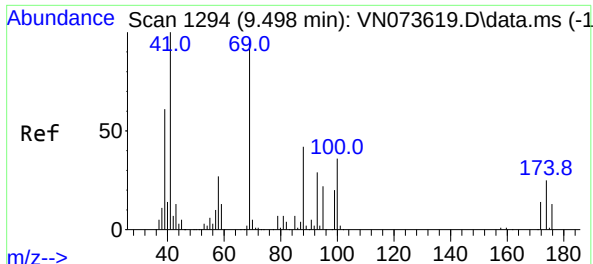
Ion Ratio Lower Upper

43 100

61 20.5 21.9 32.9#

87 14.6 12.0 18.0

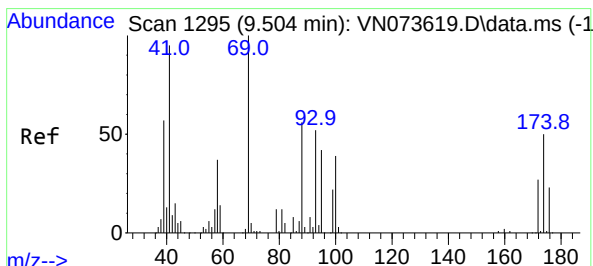
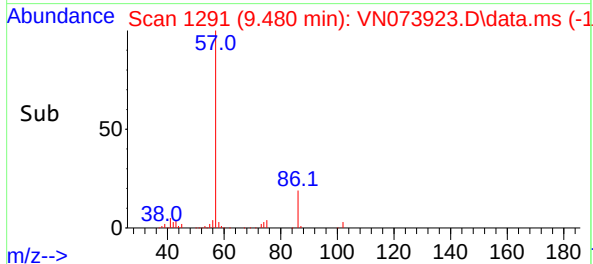
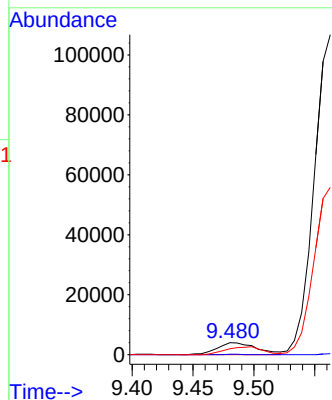
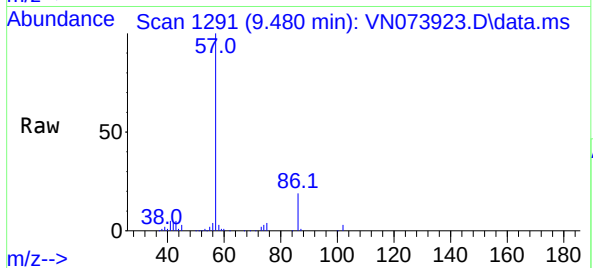




#48
Methyl methacrylate
Concen: 1.569 ug/l
RT: 9.480 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

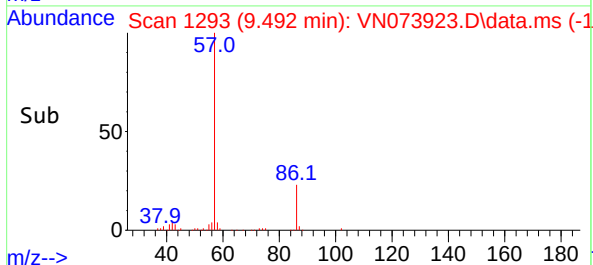
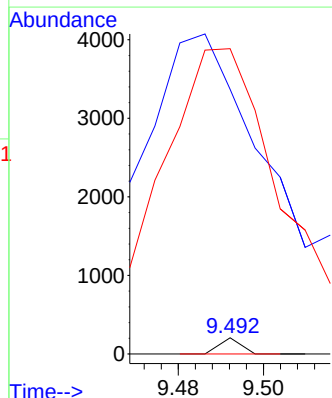
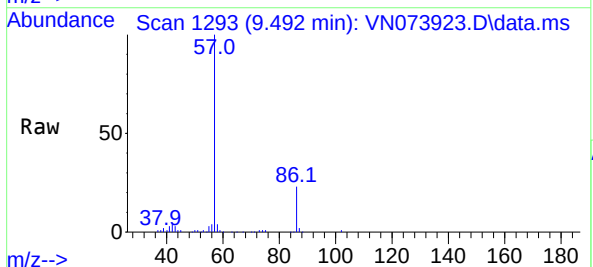
Instrument :
MSVOA_N
ClientSampleId :
S10

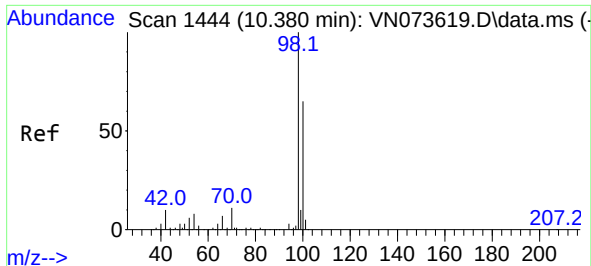
Tgt Ion: 41 Resp: 9094
Ion Ratio Lower Upper
41 100
69 1.4 74.7 112.1#
39 60.7 45.6 68.4



#49
1,4-Dioxane
Concen: 0.423 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.012 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 11131.5 54.2 81.4#

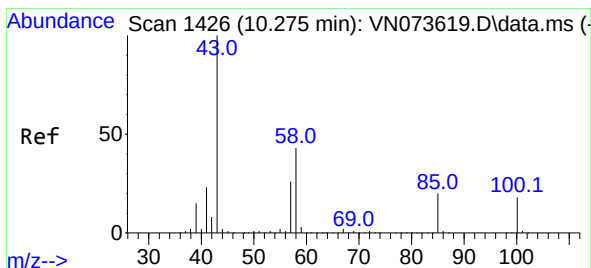
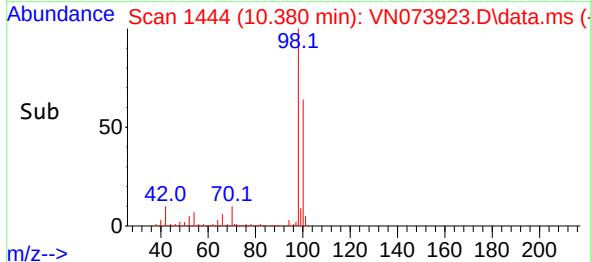
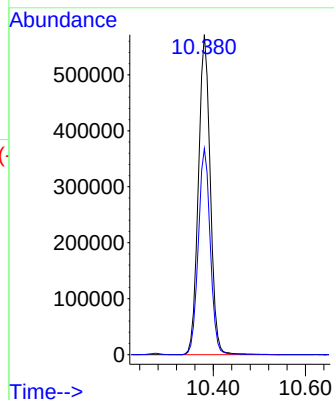
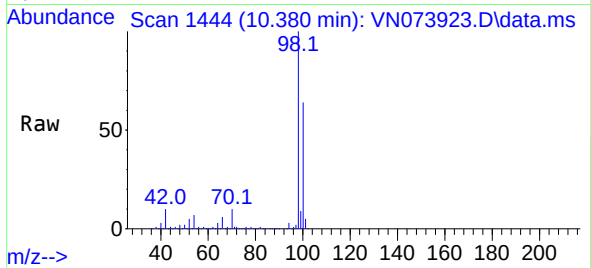




#50
Toluene-d8
Concen: 46.684 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

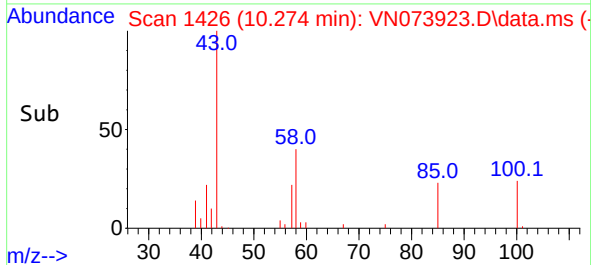
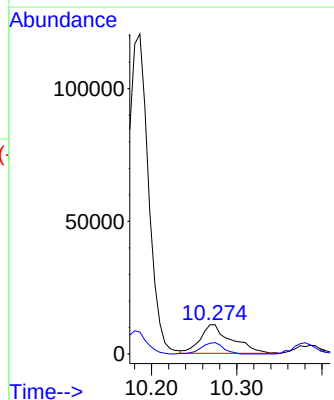
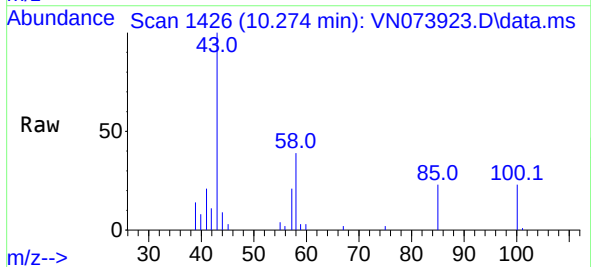
Instrument :
MSVOA_N
ClientSampleId :
S10

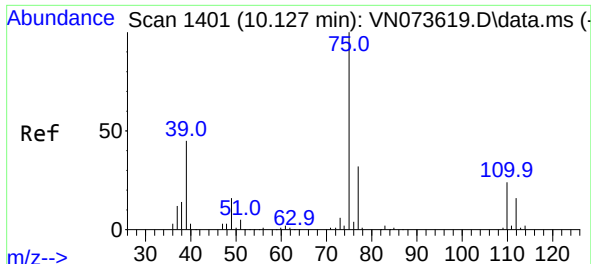
Tgt Ion: 98 Resp: 1021828
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.983 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 43 Resp: 27325
Ion Ratio Lower Upper
43 100
58 28.2 34.1 51.1#

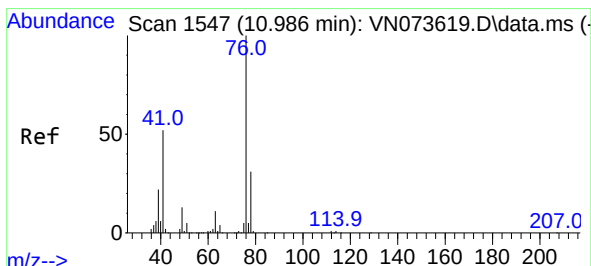
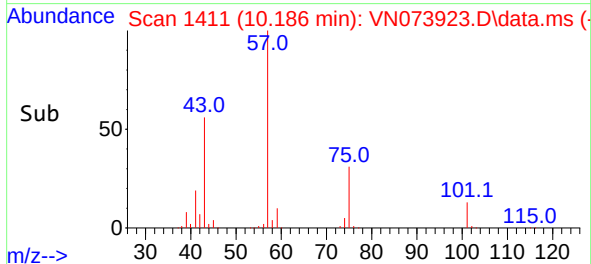
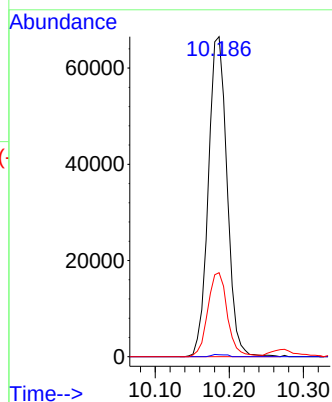
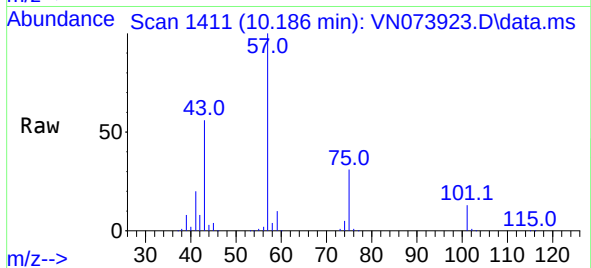




#54
 cis-1,3-Dichloropropene
 Concen: 11.791 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073923.D
 Acq: 16 Aug 2022 03:20

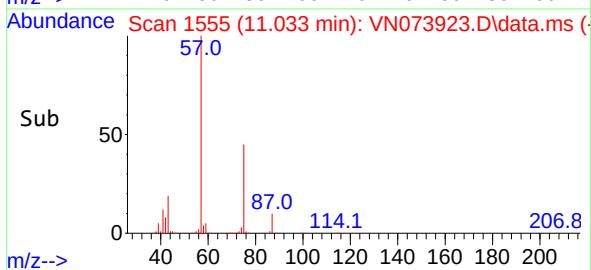
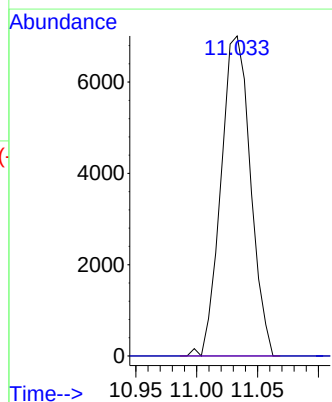
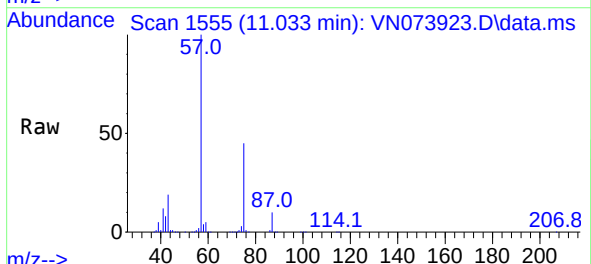
Instrument :
 MSVOA_N
 ClientSampleId :
 S10

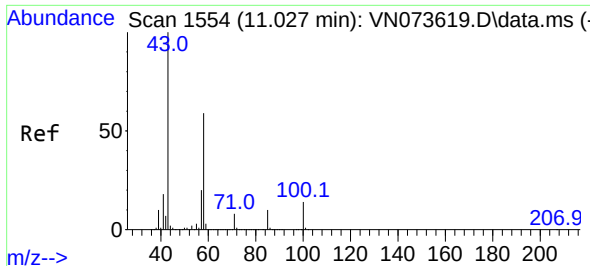
Tgt Ion: 75 Resp: 116821
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 26.2 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.102 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073923.D
 Acq: 16 Aug 2022 03:20

Tgt Ion: 76 Resp: 11839
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

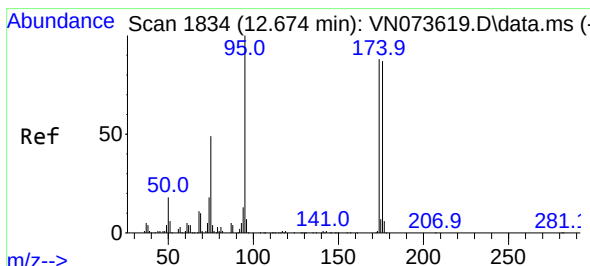
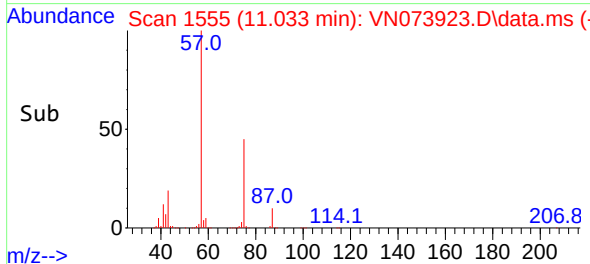
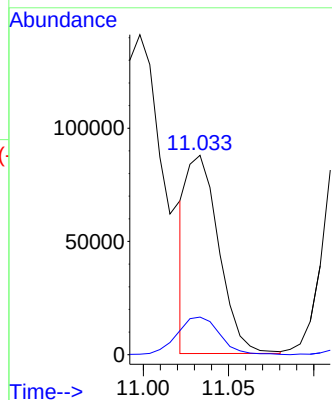
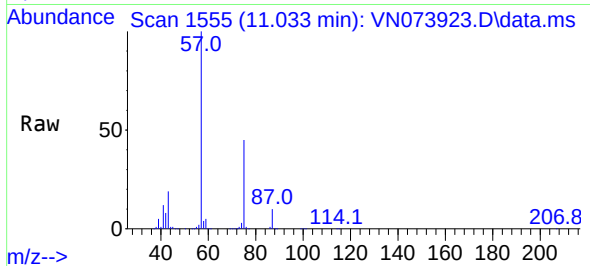




#59
2-Hexanone
Concen: 16.209 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

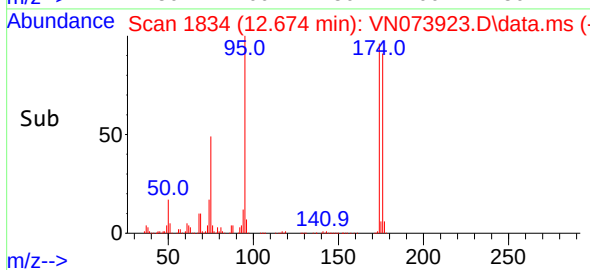
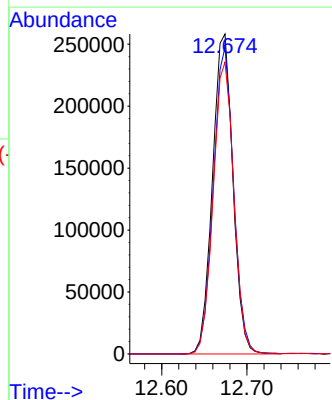
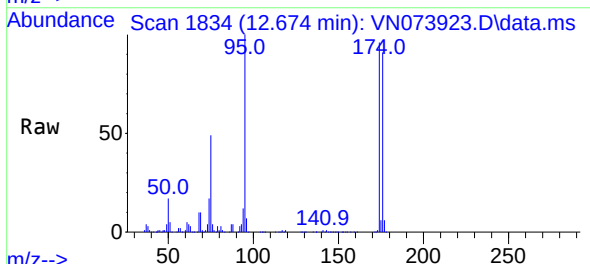
Instrument :
MSVOA_N
ClientSampleId :
S10

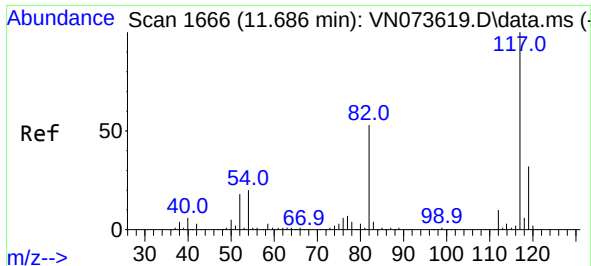
Tgt Ion: 43 Resp: 114260
Ion Ratio Lower Upper
43 100
58 25.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.280 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 95 Resp: 430625
Ion Ratio Lower Upper
95 100
174 95.1 0.0 167.6
176 92.0 0.0 163.4

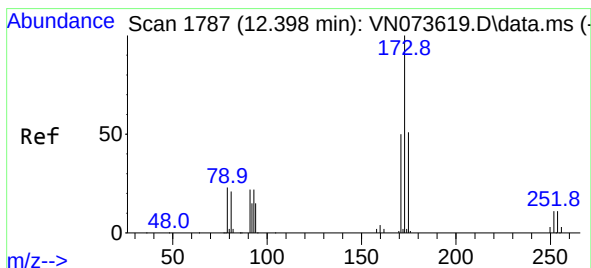
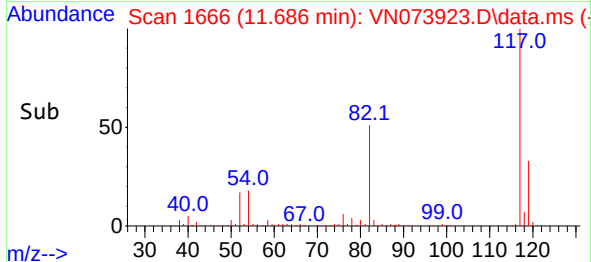
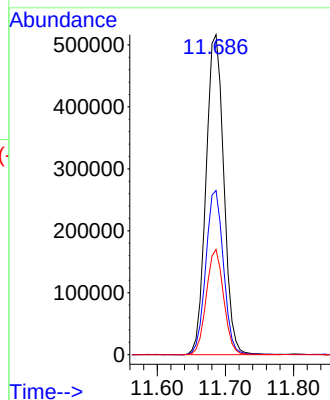
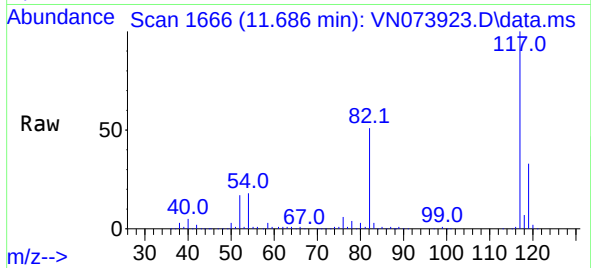




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

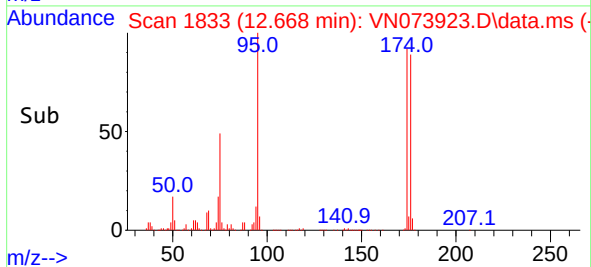
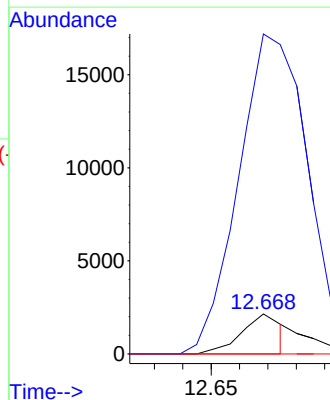
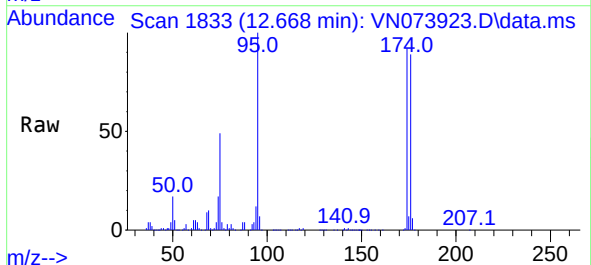
Instrument :
MSVOA_N
ClientSampleId :
S10

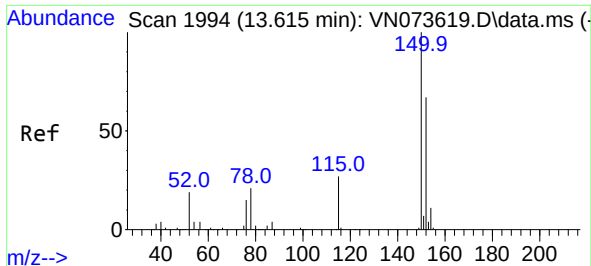
Tgt Ion:117 Resp: 938746
Ion Ratio Lower Upper
117 100
82 51.3 44.2 66.2
119 32.8 25.4 38.0



#71
Bromoform
Concen: 0.312 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

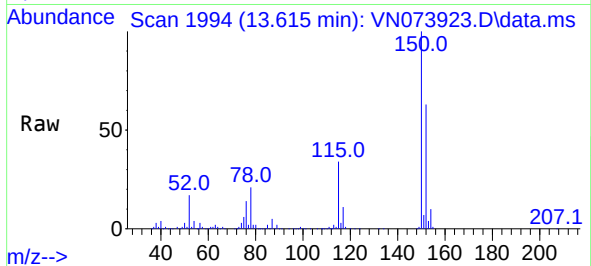
Tgt Ion:173 Resp: 2106
Ion Ratio Lower Upper
173 100
175 936.9 24.6 73.6#
254 0.0 0.1 0.1#



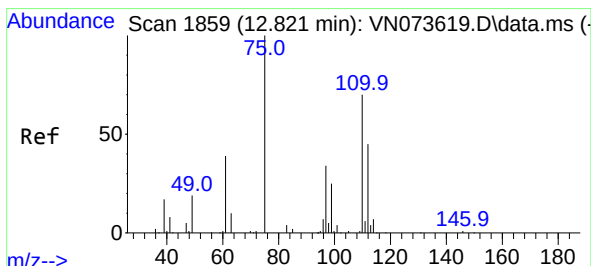
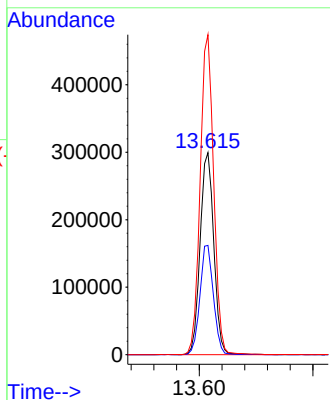
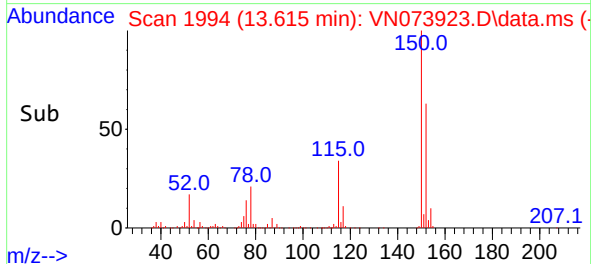


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Instrument :
MSVOA_N
ClientSampleId :
S10

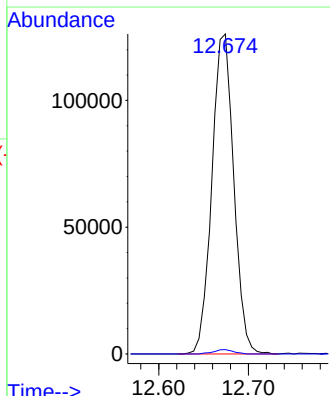
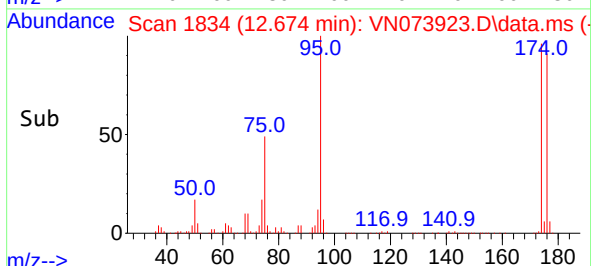
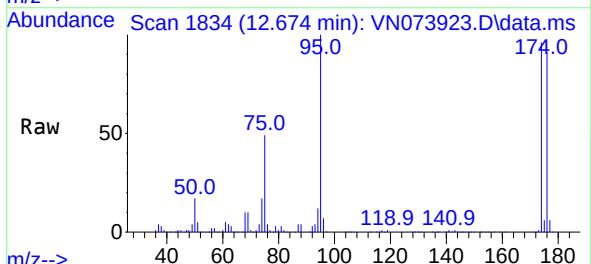


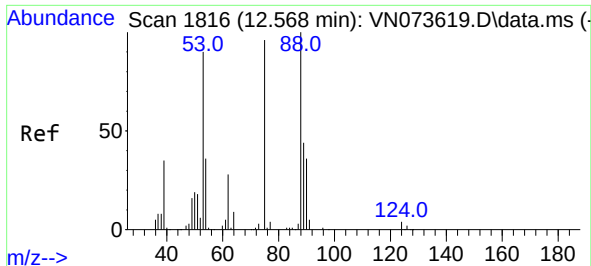
Tgt Ion:152 Resp: 499775
Ion Ratio Lower Upper
152 100
115 53.5 28.9 86.7
150 156.5 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 20.578 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Tgt Ion: 75 Resp: 213763
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 58.529 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073923.D
Acq: 16 Aug 2022 03:20

Instrument :
MSVOA_N
ClientSampleId :
S10

Tgt Ion: 75 Resp: 213763
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

