

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022823\
 Data File : VN076838.D
 Acq On : 28 Feb 2023 19:21
 Operator : JC\MD
 Sample : 01727-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JB-1S

Quant Time: Mar 01 01:33:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

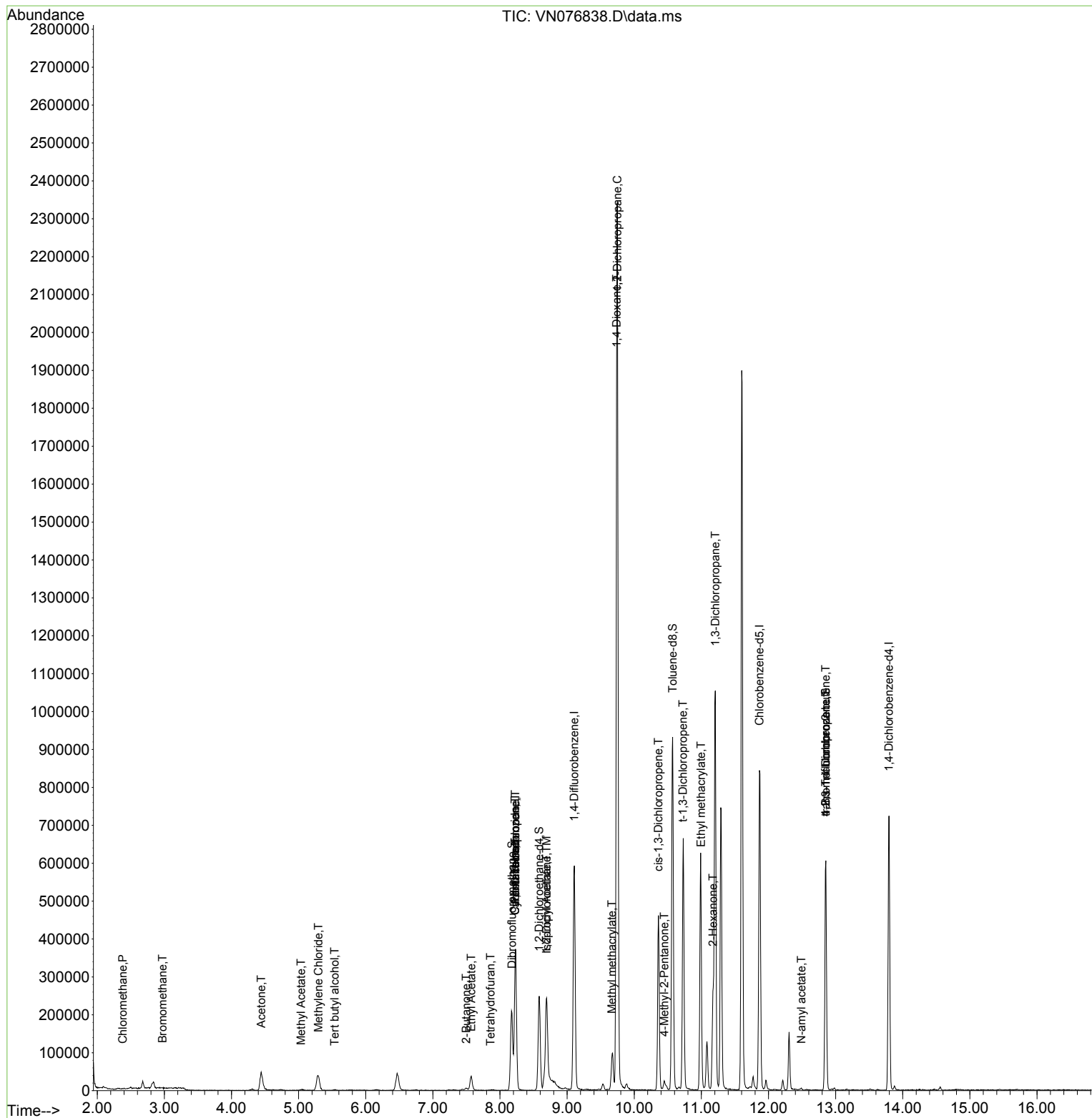
Internal Standards						
1) Pentafluorobenzene	8.230	168	262395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	491651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	479668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	176797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	190244	52.506	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.020%			
35) Dibromofluoromethane	8.178	113	146648	45.547	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.100%			
50) Toluene-d8	10.571	98	618718	51.456	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.920%			
62) 4-Bromofluorobenzene	12.854	95	189515	47.587	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.180%			
Target Compounds						Qvalue
3) Chloromethane	2.378	50	784	0.216	ug/l #	44
5) Bromomethane	2.972	94	594	0.274	ug/l	95
11) Tert butyl alcohol	5.536	59	1095	2.290	ug/l	95
16) Acetone	4.442	43	88370	54.601	ug/l	98
18) Methyl Acetate	5.037	43	3496	0.662	ug/l	93
20) Methylene Chloride	5.295	84	29847	8.799	ug/l #	91
25) 2-Butanone	7.495	43	10212	4.277	ug/l	97
29) Tetrahydrofuran	7.860	42	437	0.280	ug/l #	55
31) Cyclohexane	8.225	56	7824	1.377	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	25853	5.557	ug/l #	48
37) Ethyl Acetate	7.572	43	56966	11.639	ug/l	97
38) Carbon Tetrachloride	8.225	117	27591	5.879	ug/l #	16
42) 1,2-Dichloroethane	8.695	62	2002	0.402	ug/l #	74
43) Isopropyl Acetate	8.695	43	335974	42.184	ug/l #	80
45) 1,2-Dichloropropane	9.748	63	2685	0.710	ug/l #	44
48) Methyl methacrylate	9.666	41	6767	1.791	ug/l #	45
49) 1,4-Dioxane	9.736	88	474	7.250	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	23154	4.569	ug/l #	79
53) t-1,3-Dichloropropene	10.724	75	1952	0.417	ug/l	96
54) cis-1,3-Dichloropropene	10.360	75	75031	13.903	ug/l #	71
56) Ethyl methacrylate	10.995	69	2580	0.523	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	10495	1.742	ug/l #	42
59) 2-Hexanone	11.171	43	208228	56.990	ug/l #	27
74) N-amyl acetate	12.489	43	3577	0.612	ug/l #	51
76) 1,2,3-Trichloropropane	12.854	75	108626	30.391	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	108626	88.514	ug/l #	4

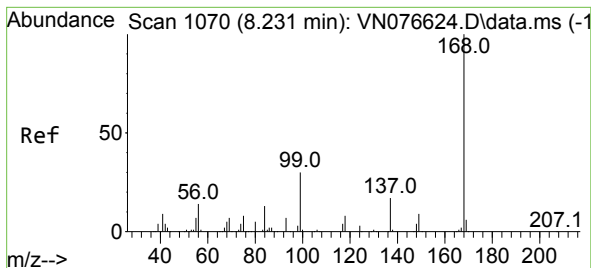
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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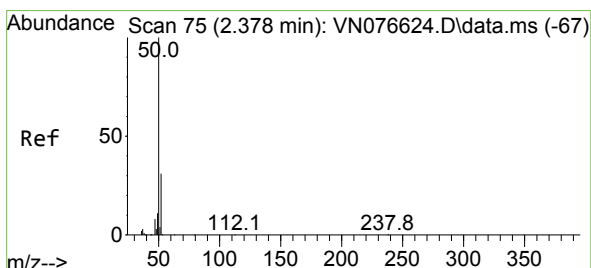
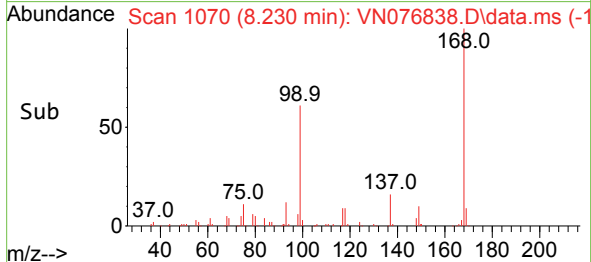
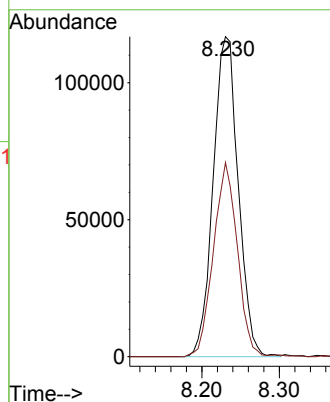
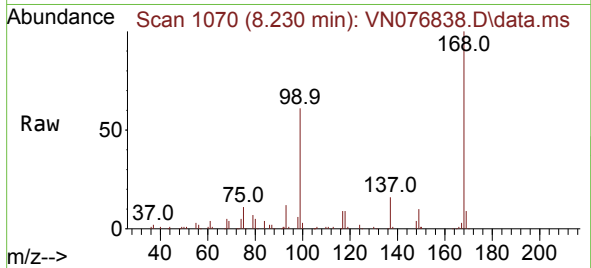




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

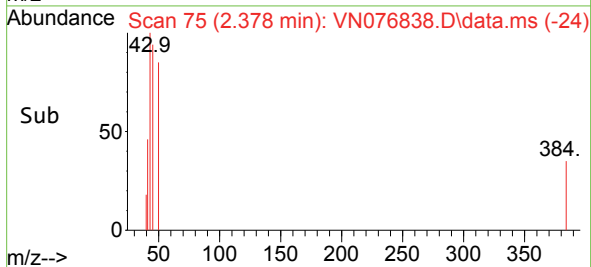
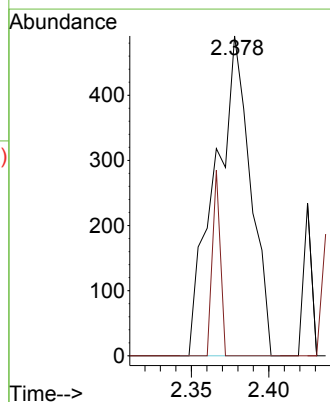
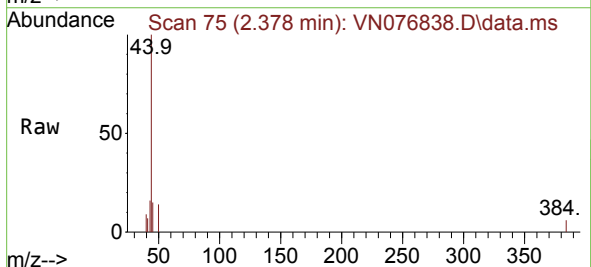
Instrument :
MSVOA_N
ClientSampleId :
JB-1S

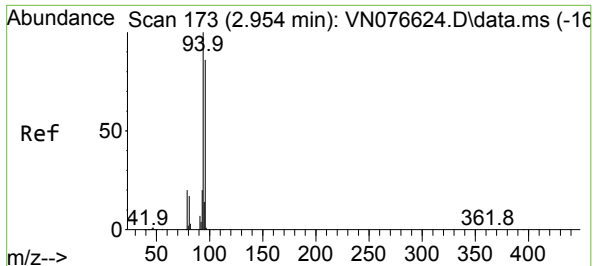
Tgt Ion:168 Resp: 262395
Ion Ratio Lower Upper
168 100
99 60.7 44.8 67.2



#3
Chloromethane
Concen: 0.216 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Tgt Ion: 50 Resp: 784
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

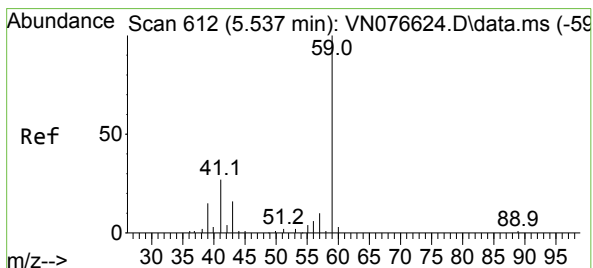
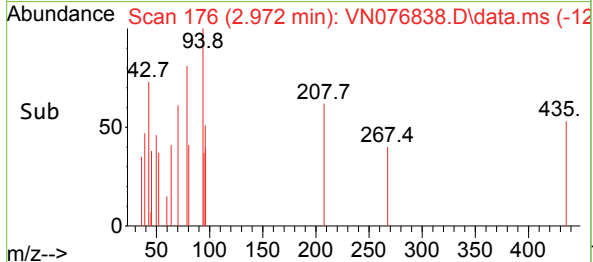
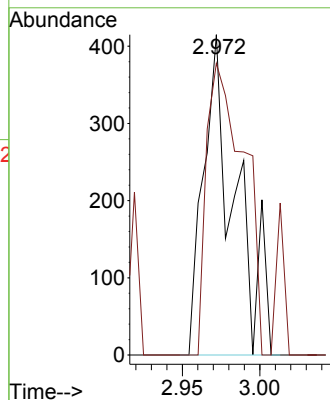
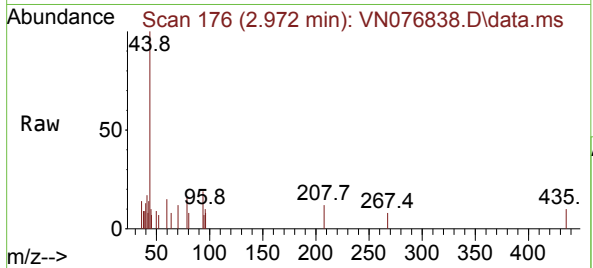




#5
Bromomethane
Concen: 0.274 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

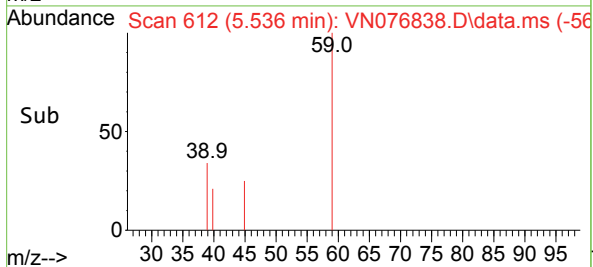
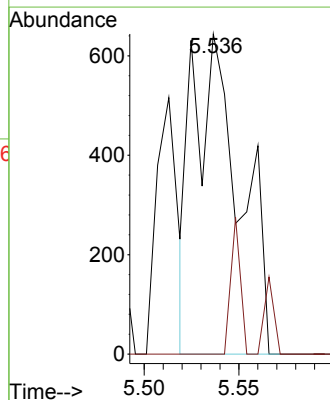
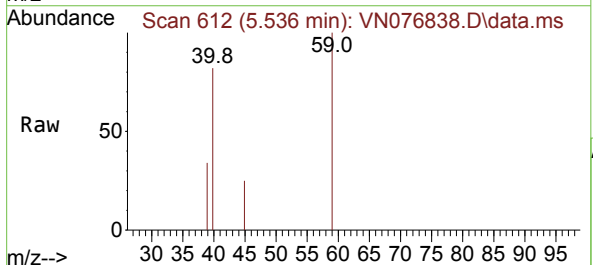
Instrument :
MSVOA_N
ClientSampleId :
JB-1S

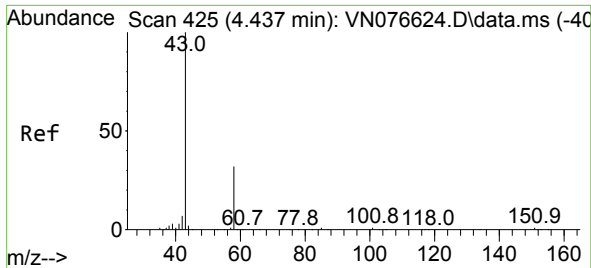
Tgt Ion: 94 Resp: 594
Ion Ratio Lower Upper
94 100
96 91.1 69.0 103.4



#11
Tert butyl alcohol
Concen: 2.290 ug/l
RT: 5.536 min Scan# 612
Delta R.T. -0.001 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Tgt Ion: 59 Resp: 1095
Ion Ratio Lower Upper
59 100
57 8.9 8.7 13.1

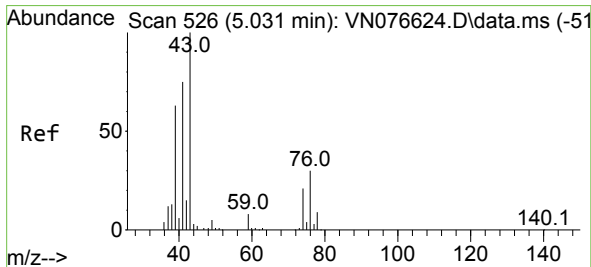
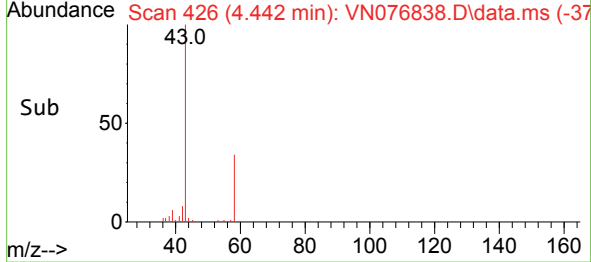
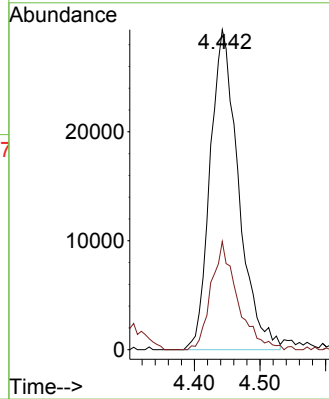
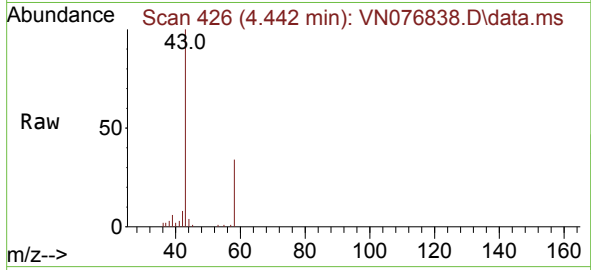




#16
Acetone
Concen: 54.601 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

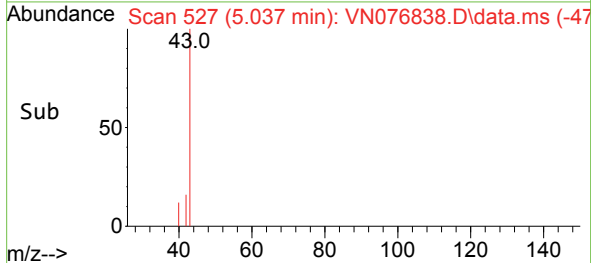
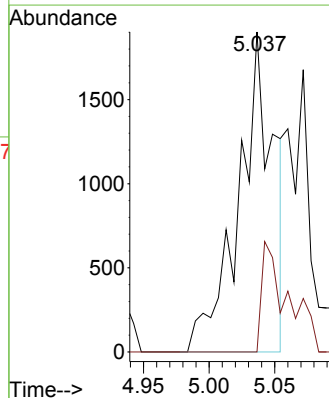
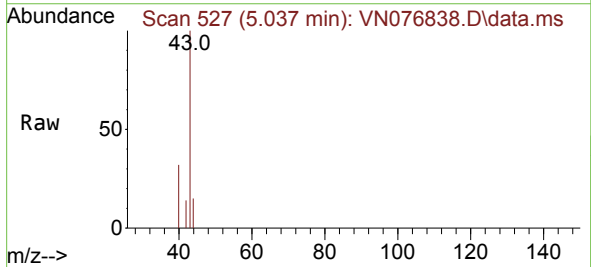
Instrument :
MSVOA_N
ClientSampleId :
JB-1S

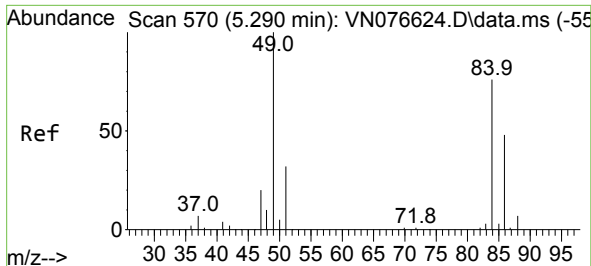
Tgt Ion: 43 Resp: 88370
Ion Ratio Lower Upper
43 100
58 33.8 25.9 38.9



#18
Methyl Acetate
Concen: 0.662 ug/l
RT: 5.037 min Scan# 527
Delta R.T. 0.006 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Tgt Ion: 43 Resp: 3496
Ion Ratio Lower Upper
43 100
74 25.6 17.7 26.5

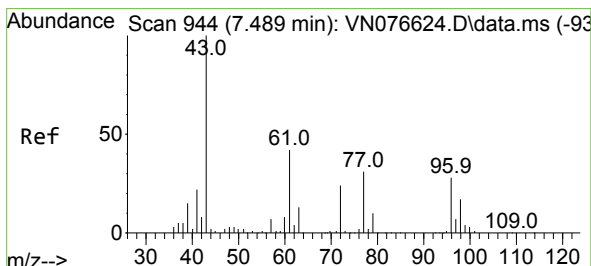
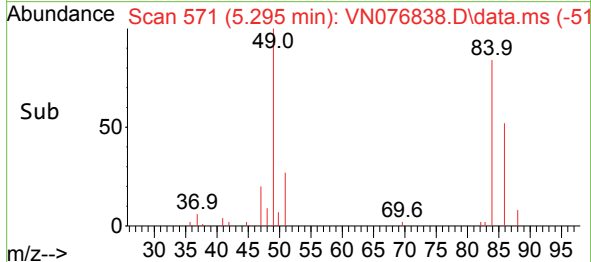
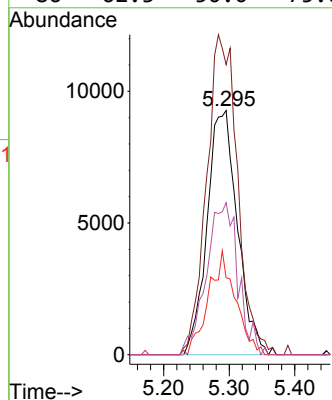
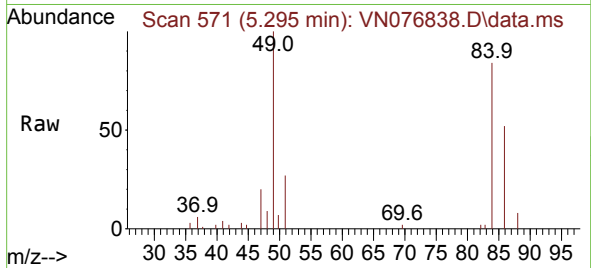




#20
Methylene Chloride
Concen: 8.799 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

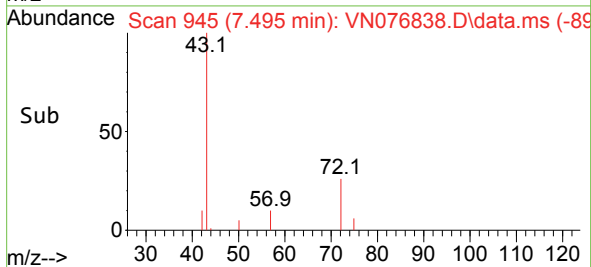
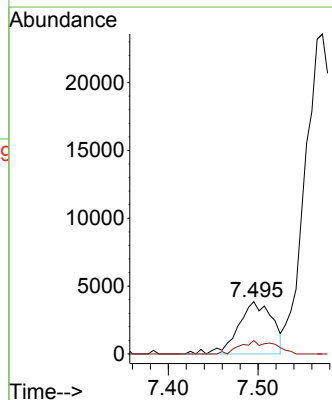
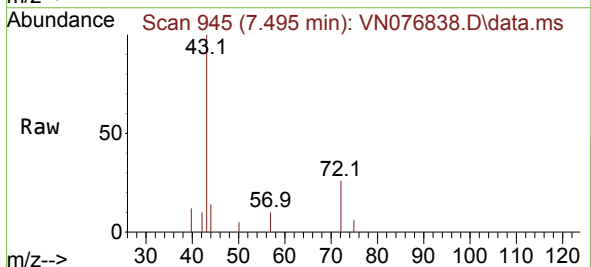
Instrument :
MSVOA_N
ClientSampleId :
JB-1S

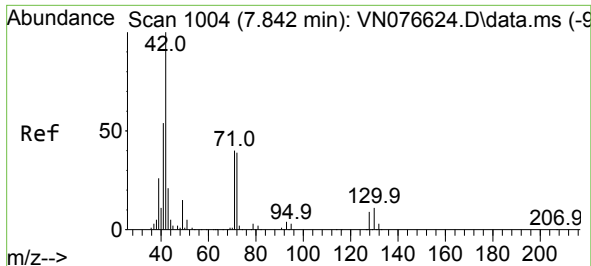
Tgt Ion:	84	Resp:	29847
Ion	Ratio	Lower	Upper
84	100		
49	118.8	104.9	157.3
51	31.5	33.8	50.8#
86	62.3	50.0	75.0



#25
2-Butanone
Concen: 4.277 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Tgt Ion:	43	Resp:	10212
Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.280 ug/l

RT: 7.860 min Scan# 1069

Delta R.T. 0.018 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

JB-1S

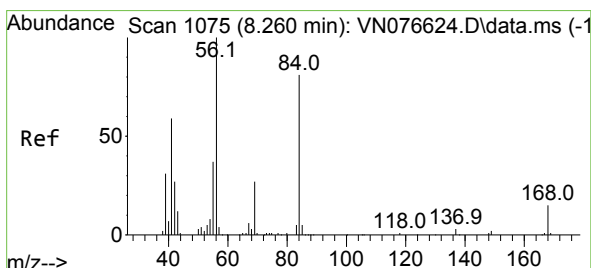
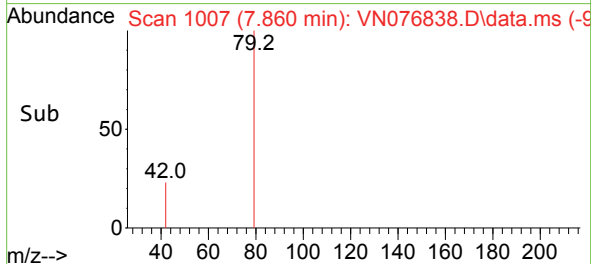
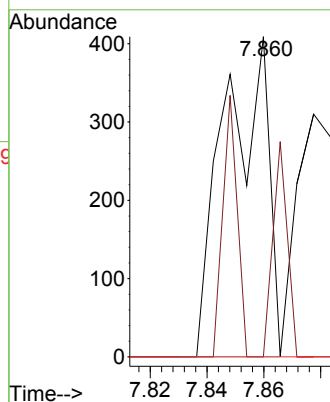
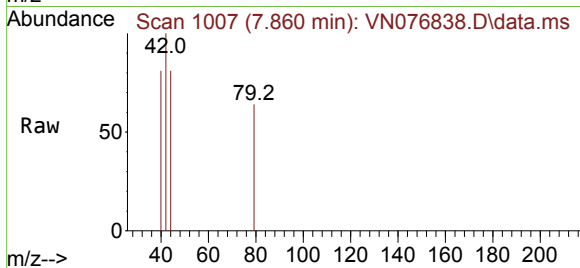
Tgt Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

72 22.2 31.5 47.3#

71 0.0 29.8 44.8#



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.035 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

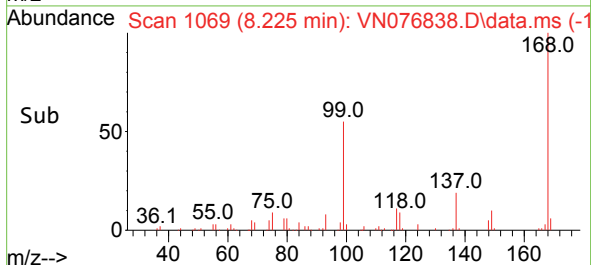
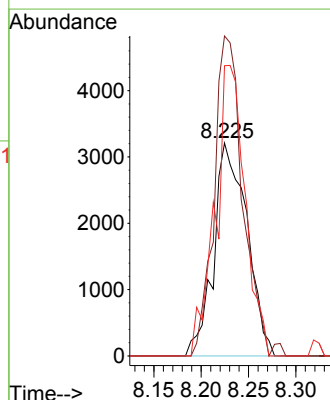
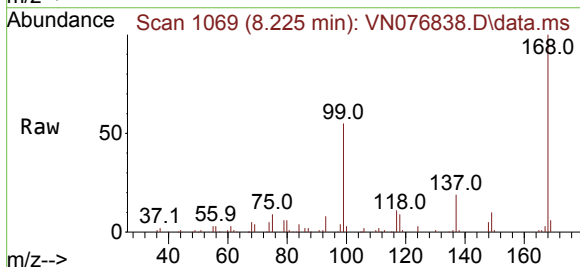
Tgt Ion: 56 Resp: 7824

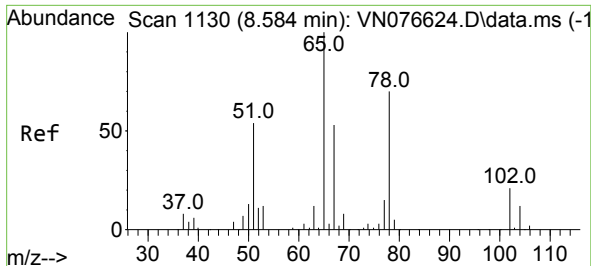
Ion Ratio Lower Upper

56 100

69 150.3 21.6 32.4#

84 136.3 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 52.506 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076838.D

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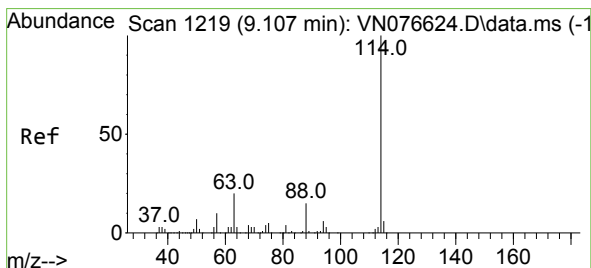
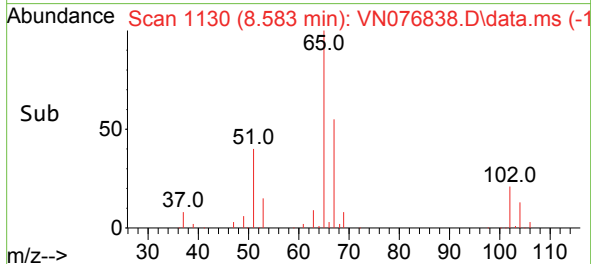
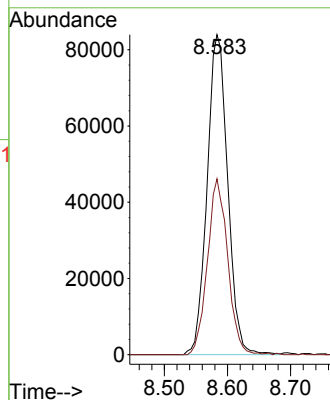
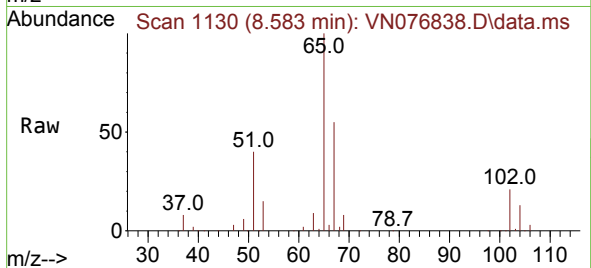
JB-1S

Tgt Ion: 65 Resp: 190244

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

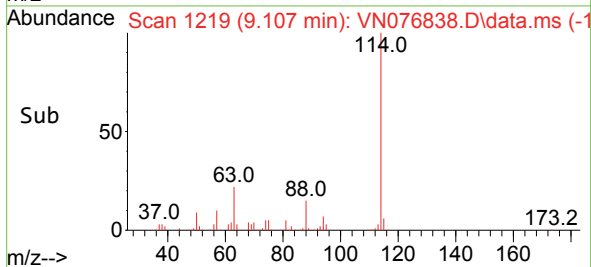
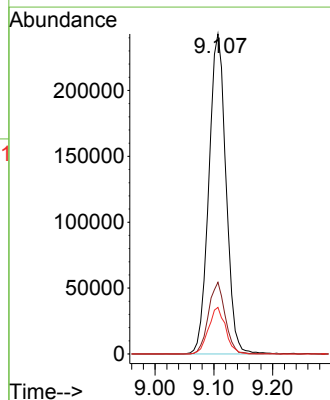
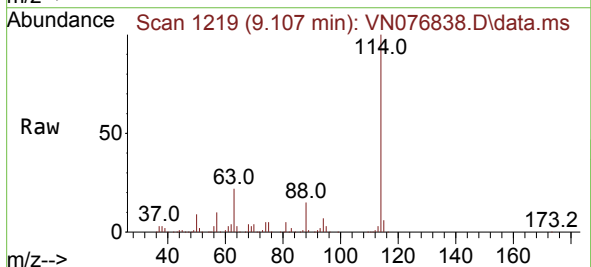
Tgt Ion: 114 Resp: 491651

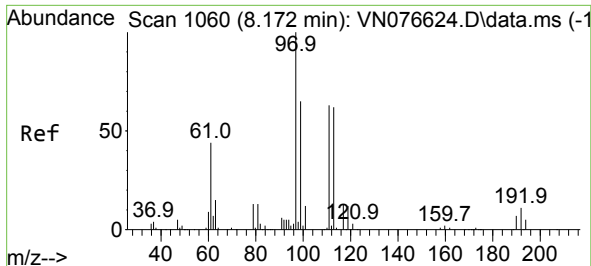
Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.0

88 14.5 0.0 29.6

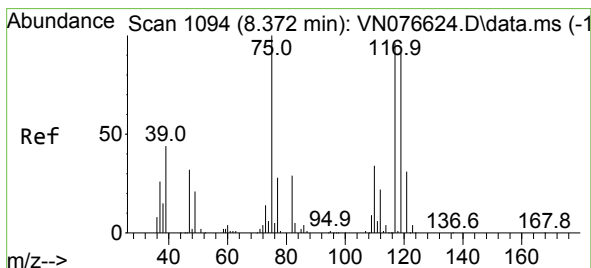
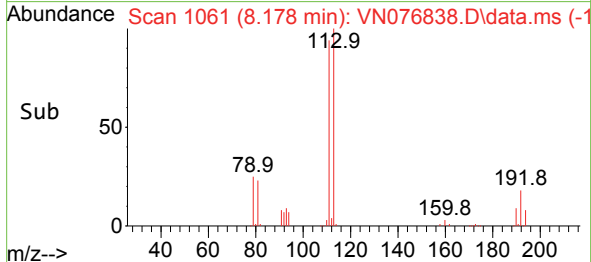
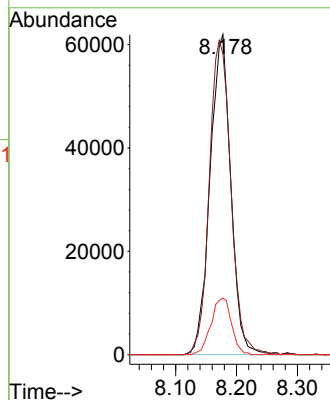
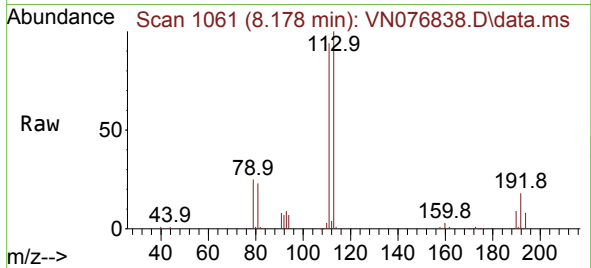




#35
Dibromofluoromethane
Concen: 45.547 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.005 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

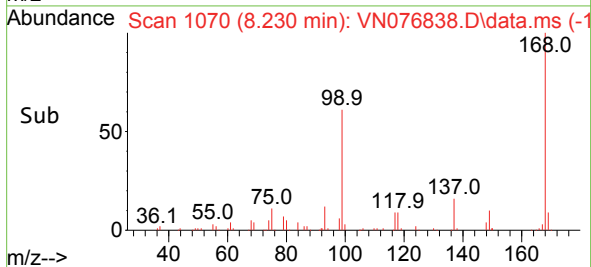
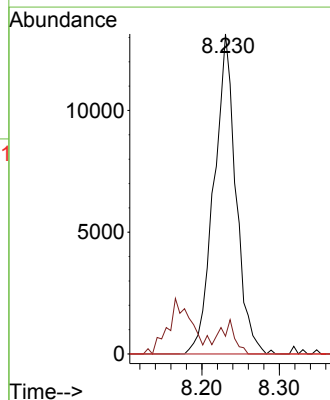
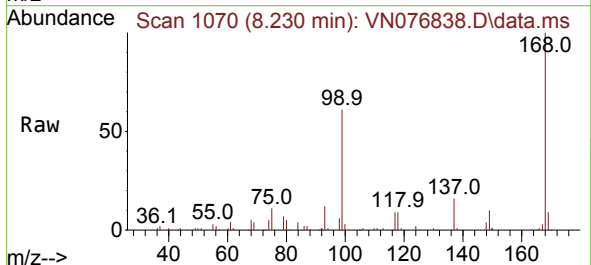
Instrument :
MSVOA_N
ClientSampleId :
JB-1S

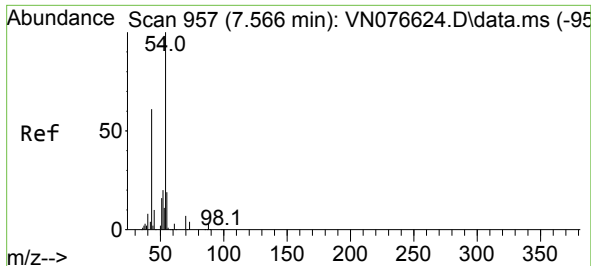
Tgt Ion:113 Resp: 146648
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 17.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.557 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Tgt Ion: 75 Resp: 25853
Ion Ratio Lower Upper
75 100
110 7.0 17.5 52.5#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 11.639 ug/l

RT: 7.572 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

JB-1S

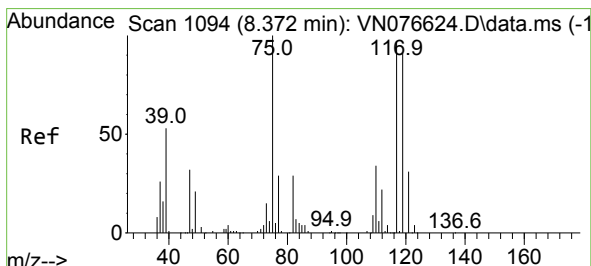
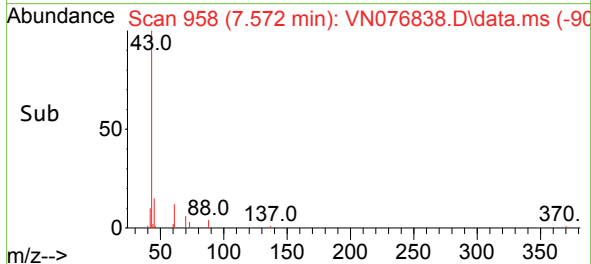
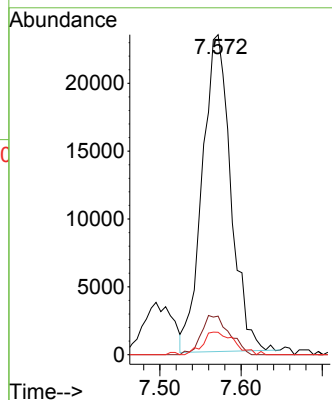
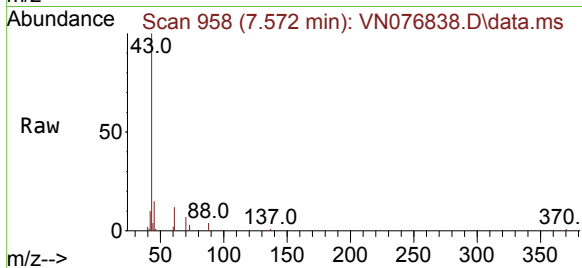
Tgt Ion: 43 Resp: 56966

Ion Ratio Lower Upper

43 100

61 12.2 9.9 14.9

70 7.9 7.8 11.6



#38

Carbon Tetrachloride

Concen: 5.879 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.147 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

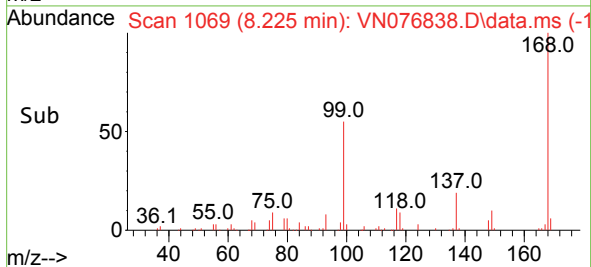
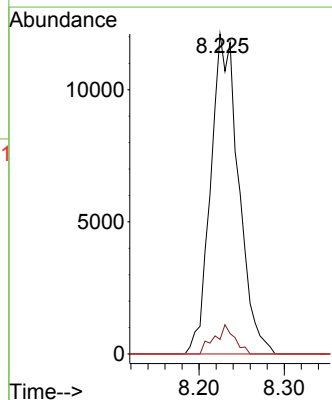
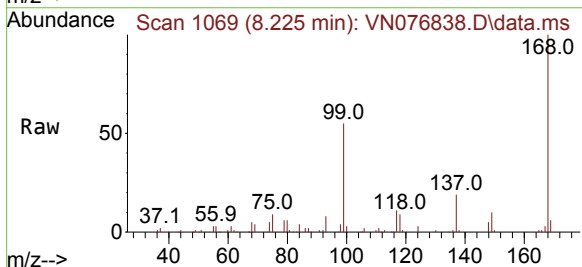
Tgt Ion: 117 Resp: 27591

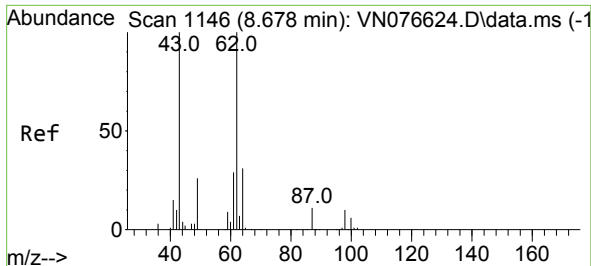
Ion Ratio Lower Upper

117 100

119 4.6 75.4 113.0#

121 0.0 26.0 39.0#





#42

1,2-Dichloroethane

Concen: 0.402 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.017 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

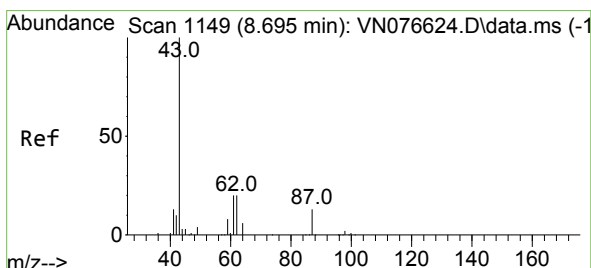
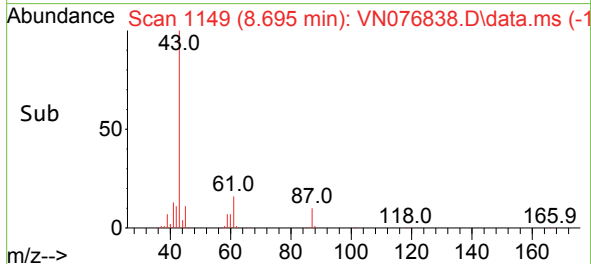
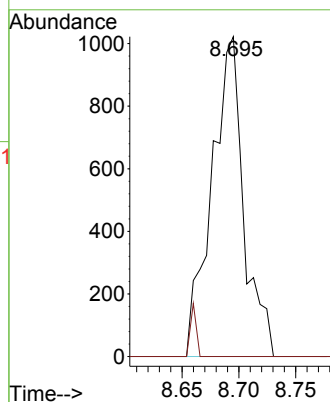
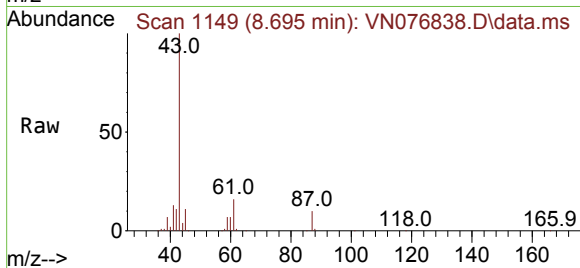
JB-1S

Tgt Ion: 62 Resp: 2002

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.2



#43

Isopropyl Acetate

Concen: 42.184 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

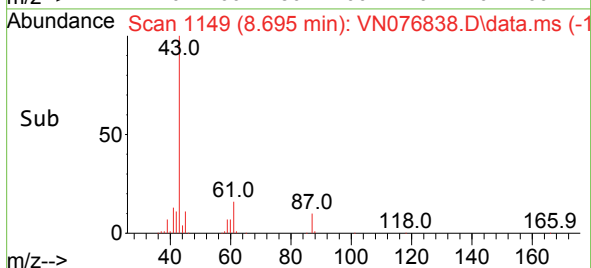
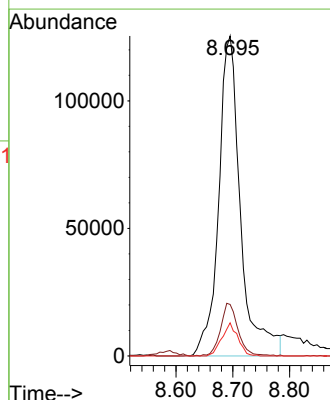
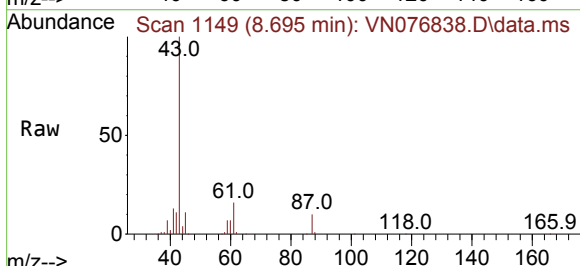
Tgt Ion: 43 Resp: 335974

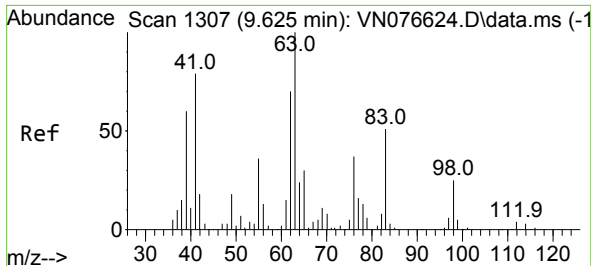
Ion Ratio Lower Upper

43 100

61 13.2 20.0 30.0#

87 7.5 9.9 14.9#





#45

1,2-Dichloropropane

Concen: 0.710 ug/l

RT: 9.748 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

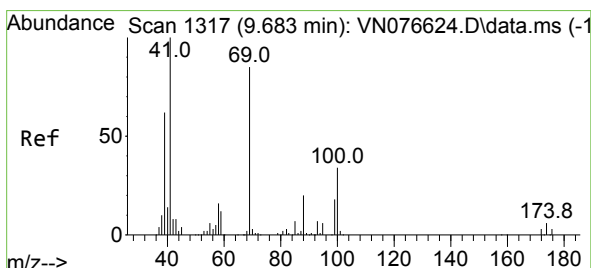
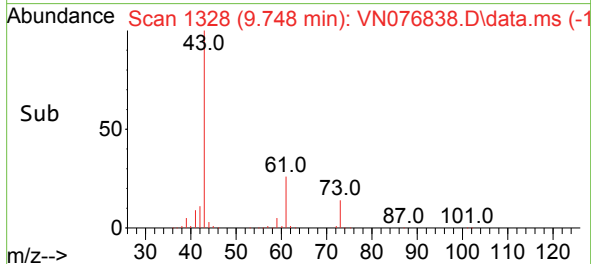
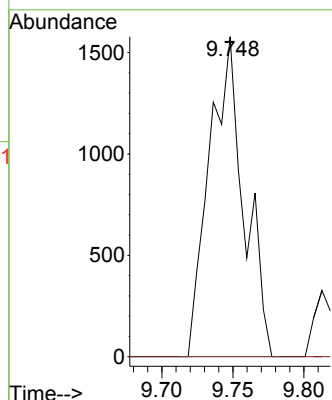
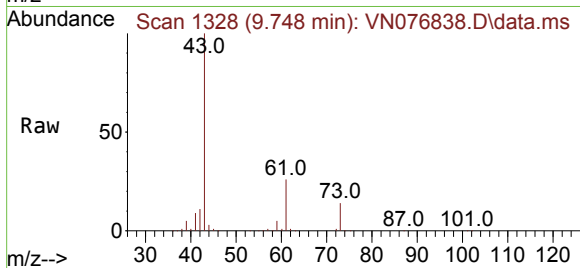
JB-1S

Tgt Ion: 63 Resp: 2685

Ion Ratio Lower Upper

63 100

65 0.0 24.2 36.2#



#48

Methyl methacrylate

Concen: 1.791 ug/l

RT: 9.666 min Scan# 1314

Delta R.T. -0.017 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

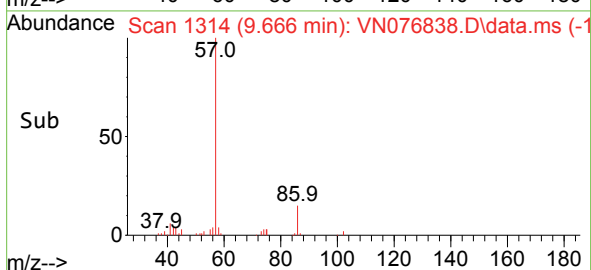
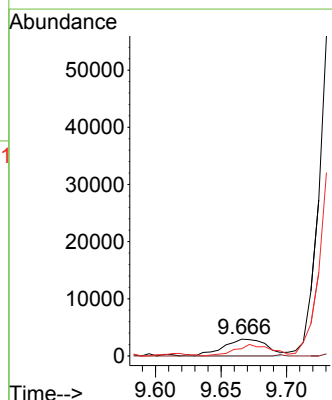
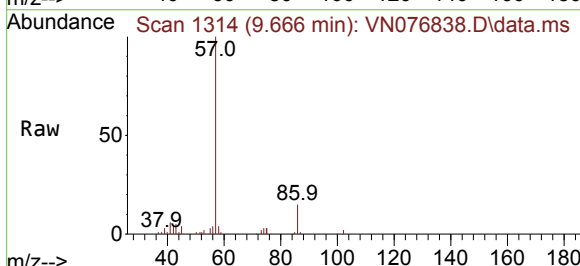
Tgt Ion: 41 Resp: 6767

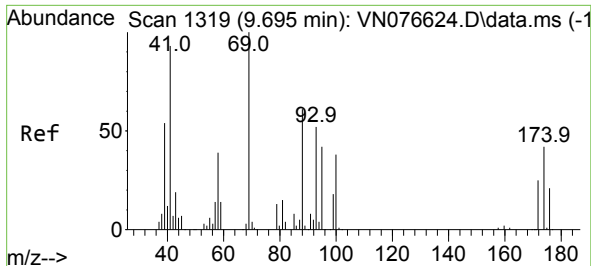
Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

39 56.4 49.3 73.9





#49

1,4-Dioxane

Concen: 7.250 ug/l

RT: 9.736 min Scan# 1319

Delta R.T. 0.041 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

JB-1S

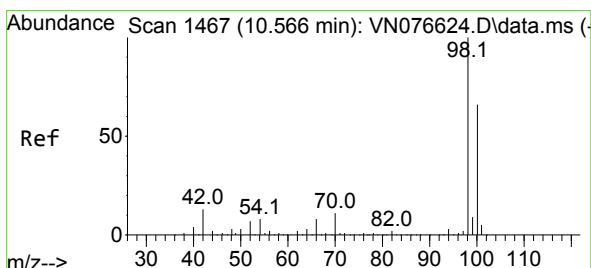
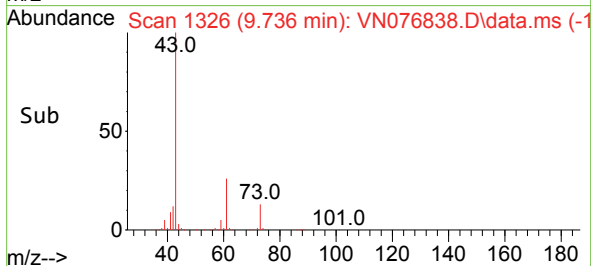
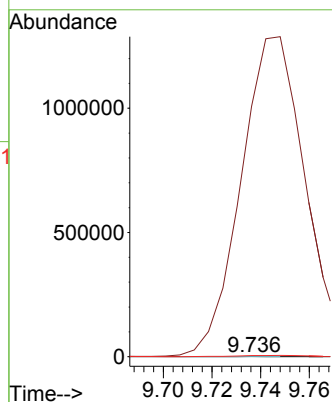
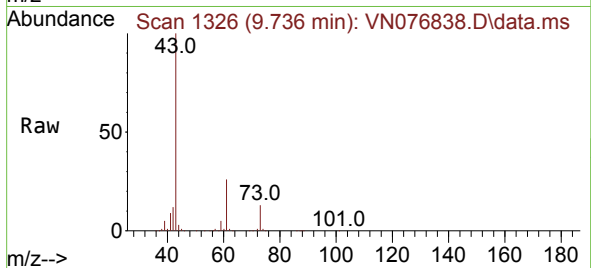
Tgt Ion: 88 Resp: 474

Ion Ratio Lower Upper

88 100

43 505306.3 22.6 33.8#

58 2431.0 57.6 86.4#



#50

Toluene-d8

Concen: 51.456 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. 0.005 min

Lab File: VN076838.D

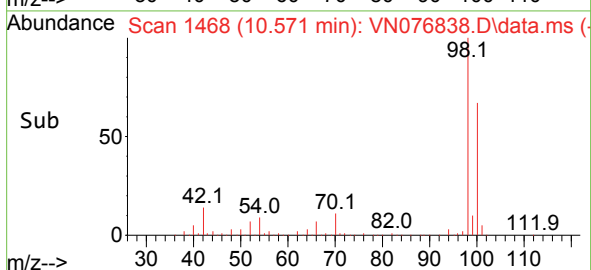
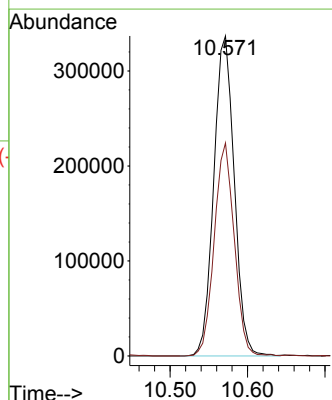
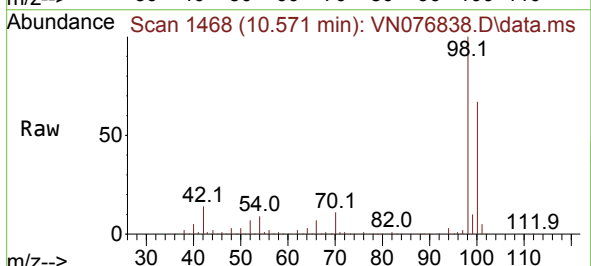
Acq: 28 Feb 2023 19:21

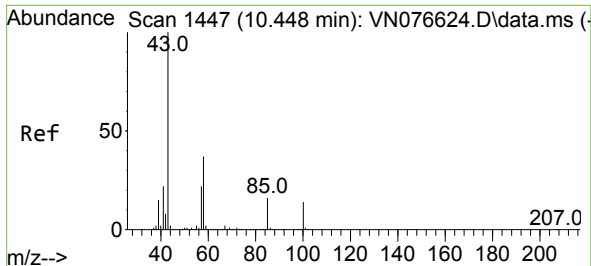
Tgt Ion: 98 Resp: 618718

Ion Ratio Lower Upper

98 100

100 65.1 52.9 79.3

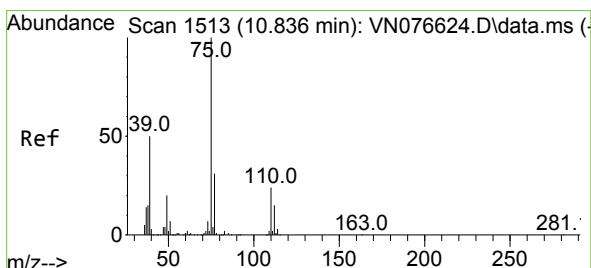
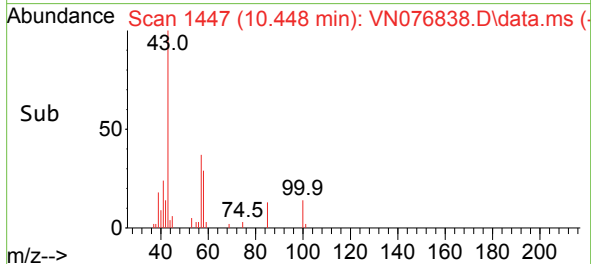
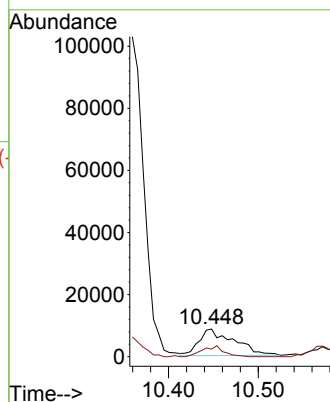
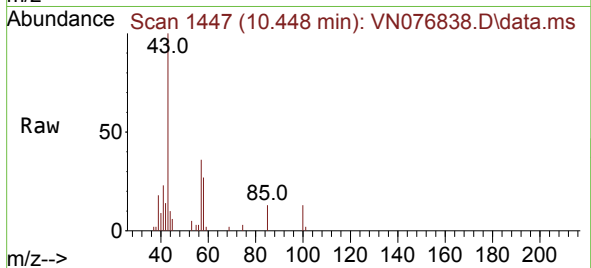




#51
4-Methyl-2-Pentanone
Concen: 4.569 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

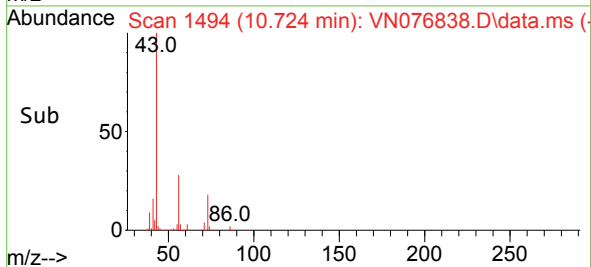
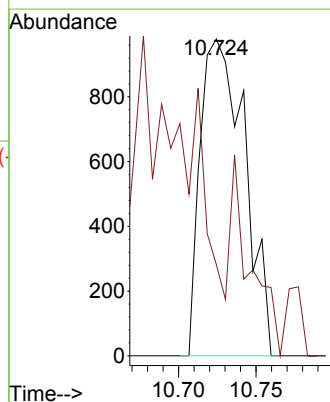
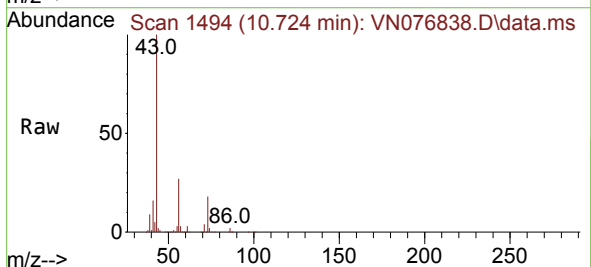
Instrument :
MSVOA_N
ClientSampleId :
JB-1S

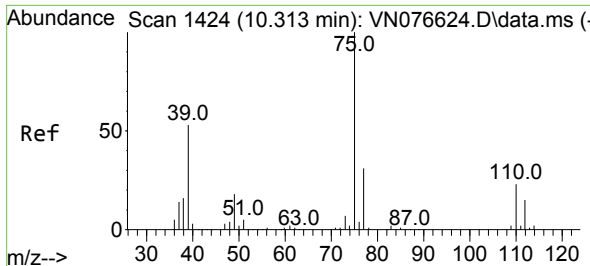
Tgt Ion: 43 Resp: 23154
Ion Ratio Lower Upper
43 100
58 24.6 29.5 44.3#



#53
t-1,3-Dichloropropene
Concen: 0.417 ug/l
RT: 10.724 min Scan# 1494
Delta R.T. -0.112 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Tgt Ion: 75 Resp: 1952
Ion Ratio Lower Upper
75 100
77 28.8 24.6 37.0

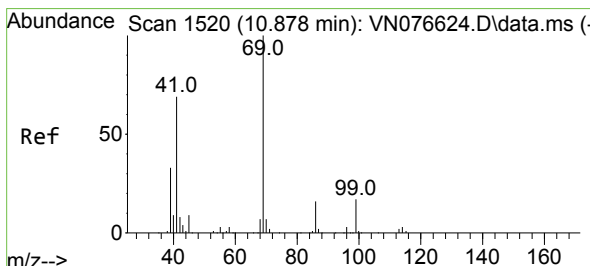
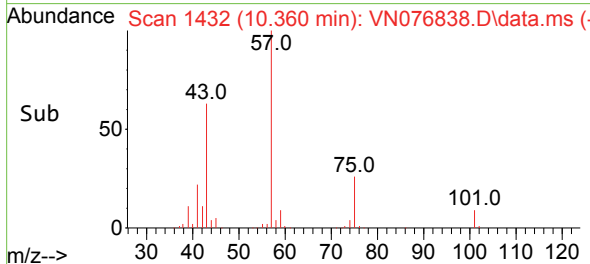
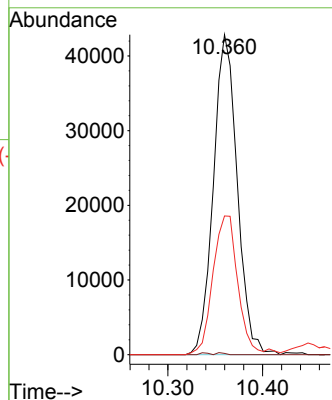
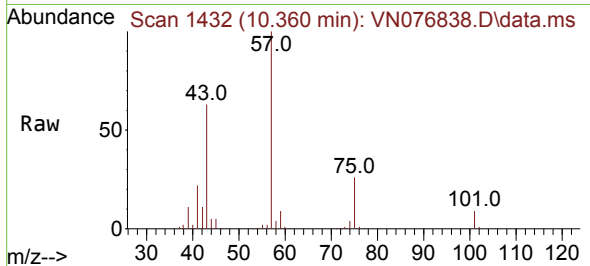




#54
 cis-1,3-Dichloropropene
 Concen: 13.903 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076838.D
 Acq: 28 Feb 2023 19:21

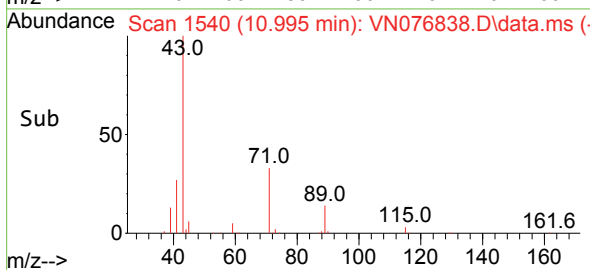
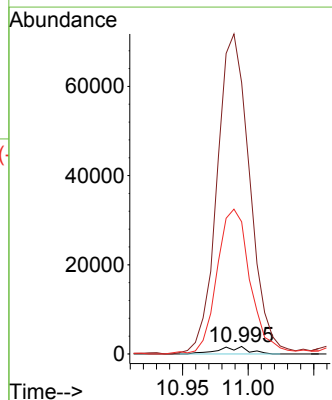
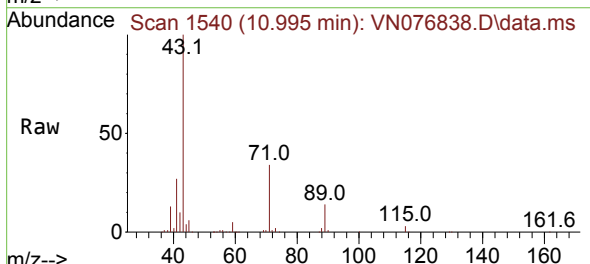
Instrument :
 MSVOA_N
 ClientSampleId :
 JB-1S

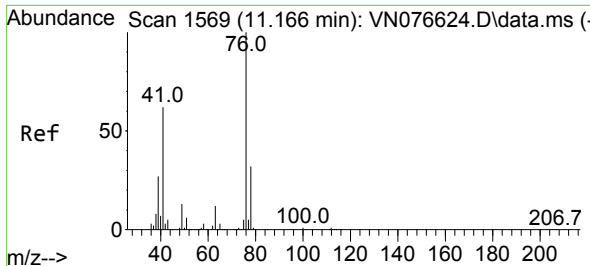
Tgt Ion: 75 Resp: 75031
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.1 37.7#
 39 43.4 42.3 63.5



#56
 Ethyl methacrylate
 Concen: 0.523 ug/l
 RT: 10.995 min Scan# 1540
 Delta R.T. 0.117 min
 Lab File: VN076838.D
 Acq: 28 Feb 2023 19:21

Tgt Ion: 69 Resp: 2580
 Ion Ratio Lower Upper
 69 100
 41 4823.8 55.1 82.7#
 39 2227.4 30.7 46.1#

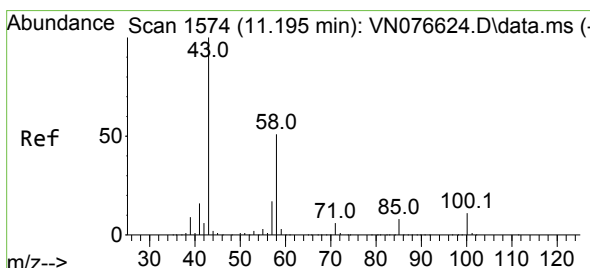
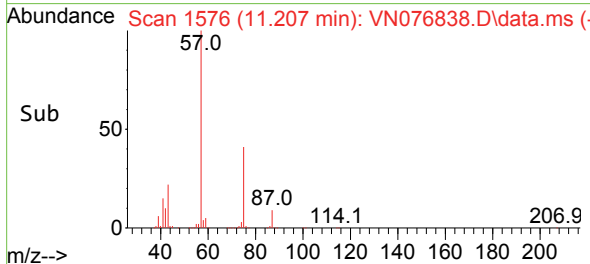
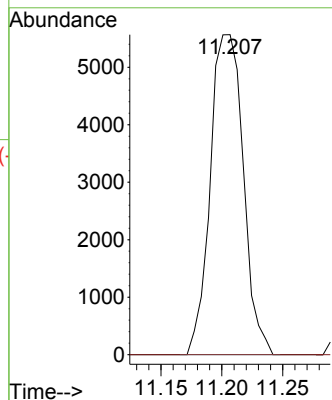
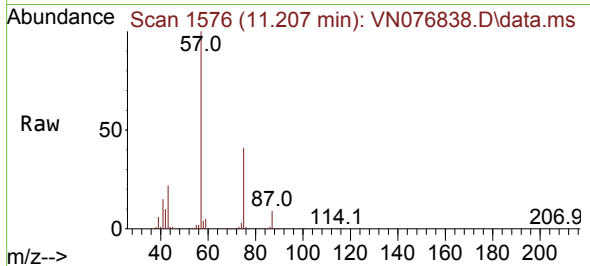




#57
1,3-Dichloropropane
Concen: 1.742 ug/l
RT: 11.207 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

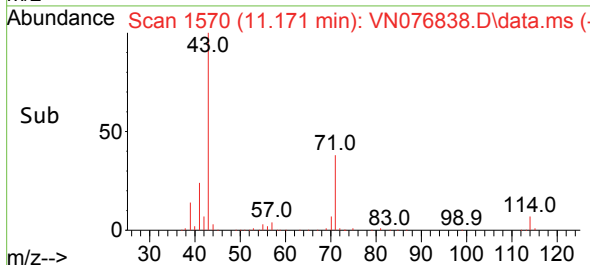
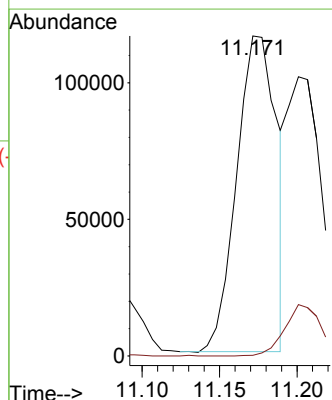
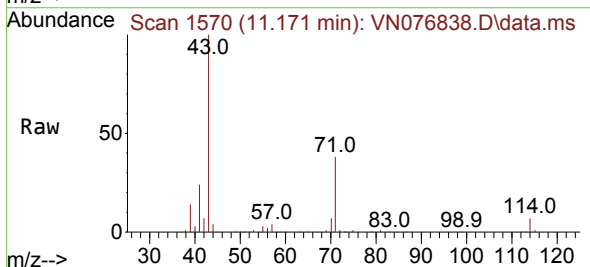
Instrument :
MSVOA_N
ClientSampleId :
JB-1S

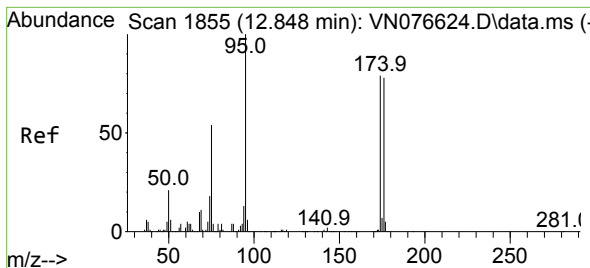
Tgt Ion: 76 Resp: 10495
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 56.990 ug/l
RT: 11.171 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Tgt Ion: 43 Resp: 208228
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#

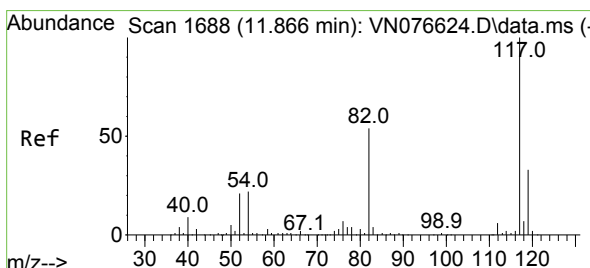
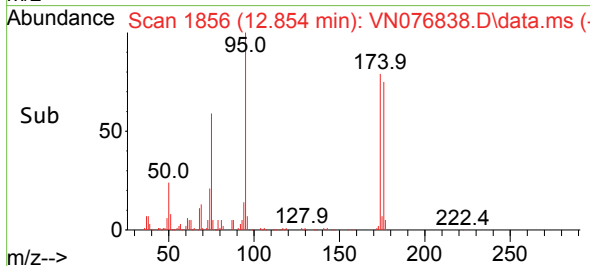
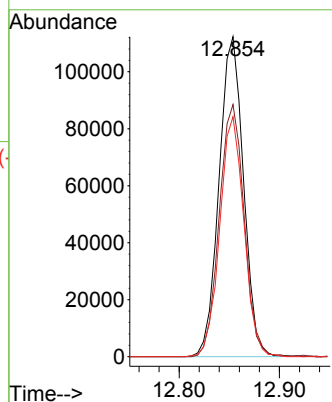
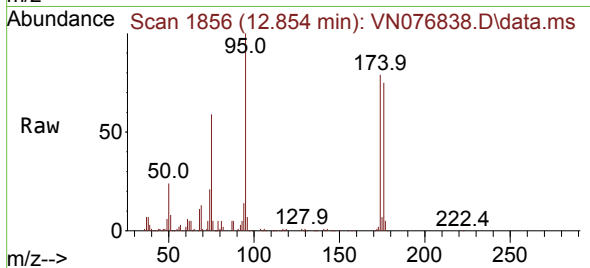




#62
4-Bromofluorobenzene
Concen: 47.587 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

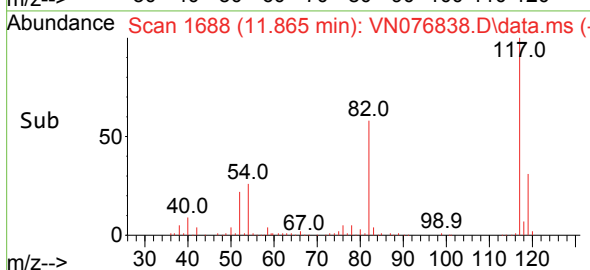
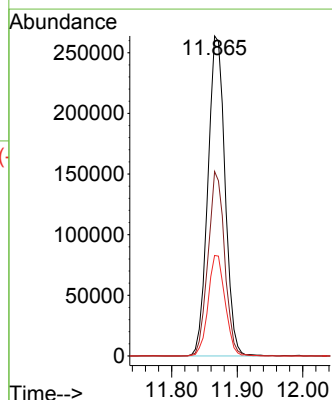
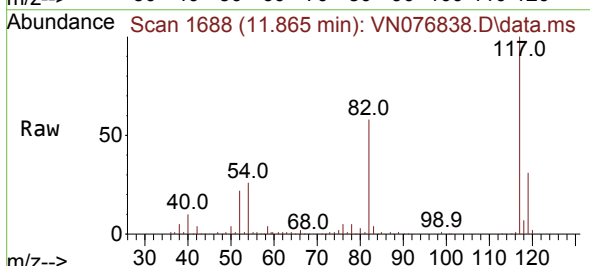
Instrument :
MSVOA_N
ClientSampleId :
JB-1S

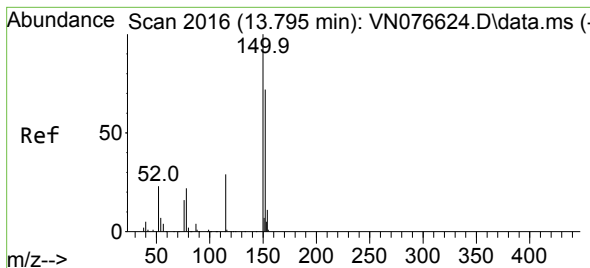
Tgt Ion: 95 Resp: 189515
Ion Ratio Lower Upper
95 100
174 80.5 0.0 169.2
176 74.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Tgt Ion: 117 Resp: 479668
Ion Ratio Lower Upper
117 100
82 57.6 43.4 65.2
119 31.4 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :

JB-1S

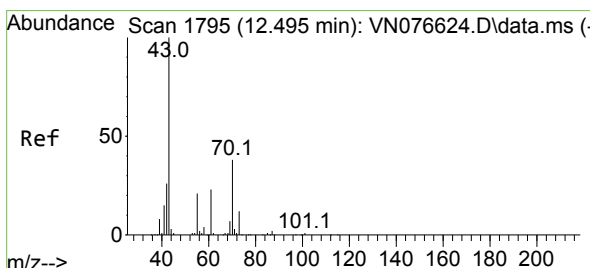
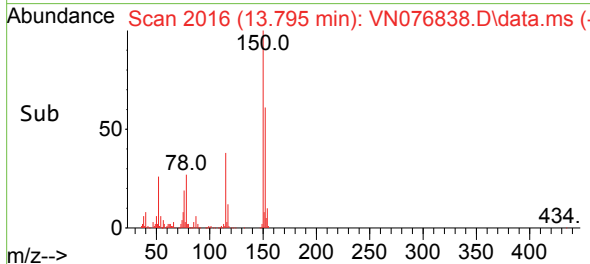
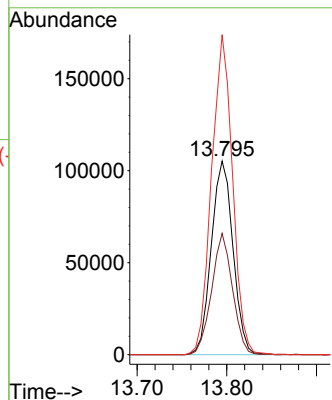
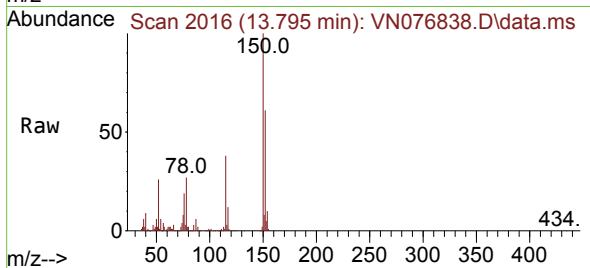
Tgt Ion:152 Resp: 176797

Ion Ratio Lower Upper

152 100

115 60.1 29.3 87.9

150 159.5 0.0 349.8



#74

N-ethyl acetate

Concen: 0.612 ug/l

RT: 12.489 min Scan# 1794

Delta R.T. -0.006 min

Lab File: VN076838.D

Acq: 28 Feb 2023 19:21

Tgt Ion: 43 Resp: 3577

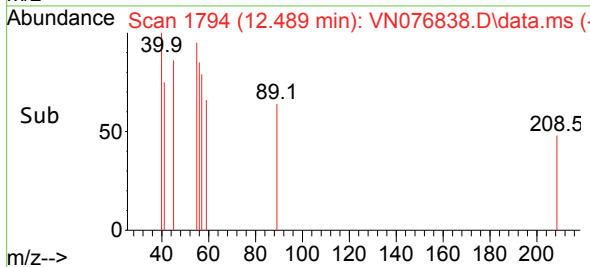
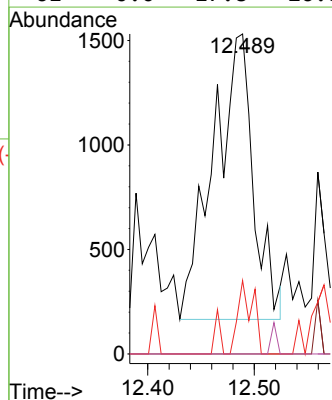
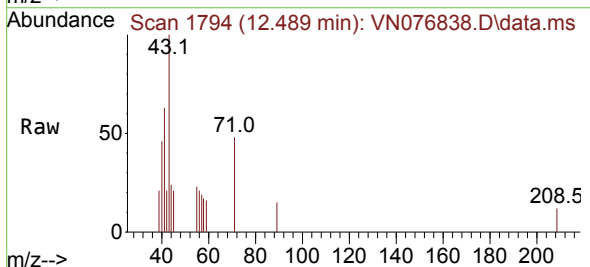
Ion Ratio Lower Upper

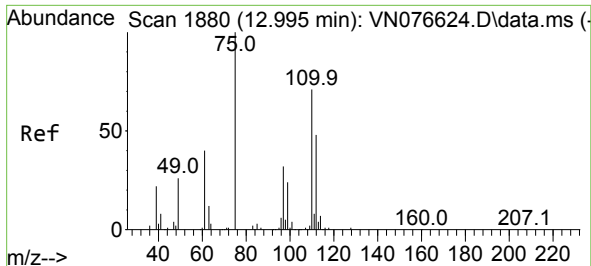
43 100

70 0.0 30.5 45.7#

55 9.6 17.8 26.8#

61 0.0 17.8 26.8#

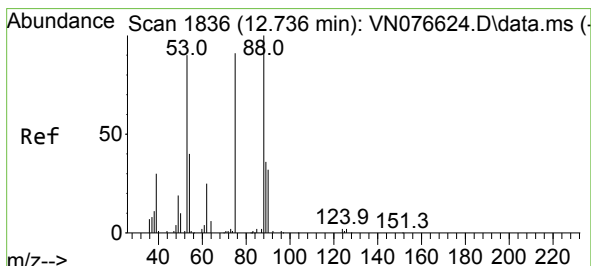
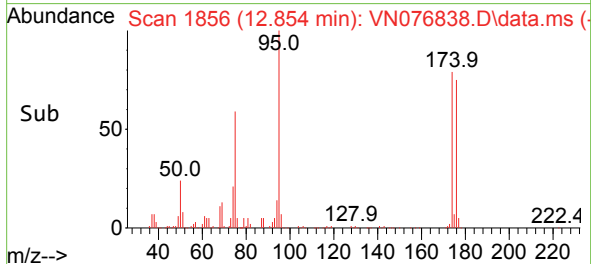
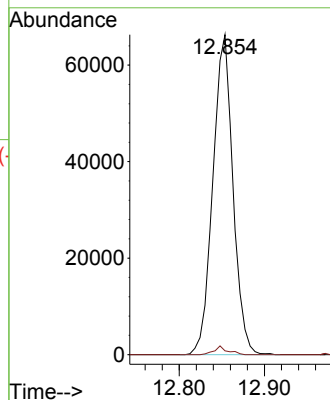
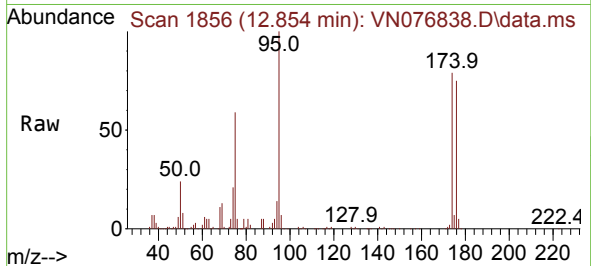




#76
1,2,3-Trichloropropane
Concen: 30.391 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Instrument :
MSVOA_N
ClientSampleId :
JB-1S

Tgt Ion: 75 Resp: 108626
Ion Ratio Lower Upper
75 100
77 1.8 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.514 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076838.D
Acq: 28 Feb 2023 19:21

Tgt Ion: 75 Resp: 108626
Ion Ratio Lower Upper
75 100
53 0.1 92.1 138.1#
89 0.2 37.5 56.3#

