

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076457.D
 Acq On : 30 Jan 2023 15:17
 Operator : JC\MD
 Sample : PB150523ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:40:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

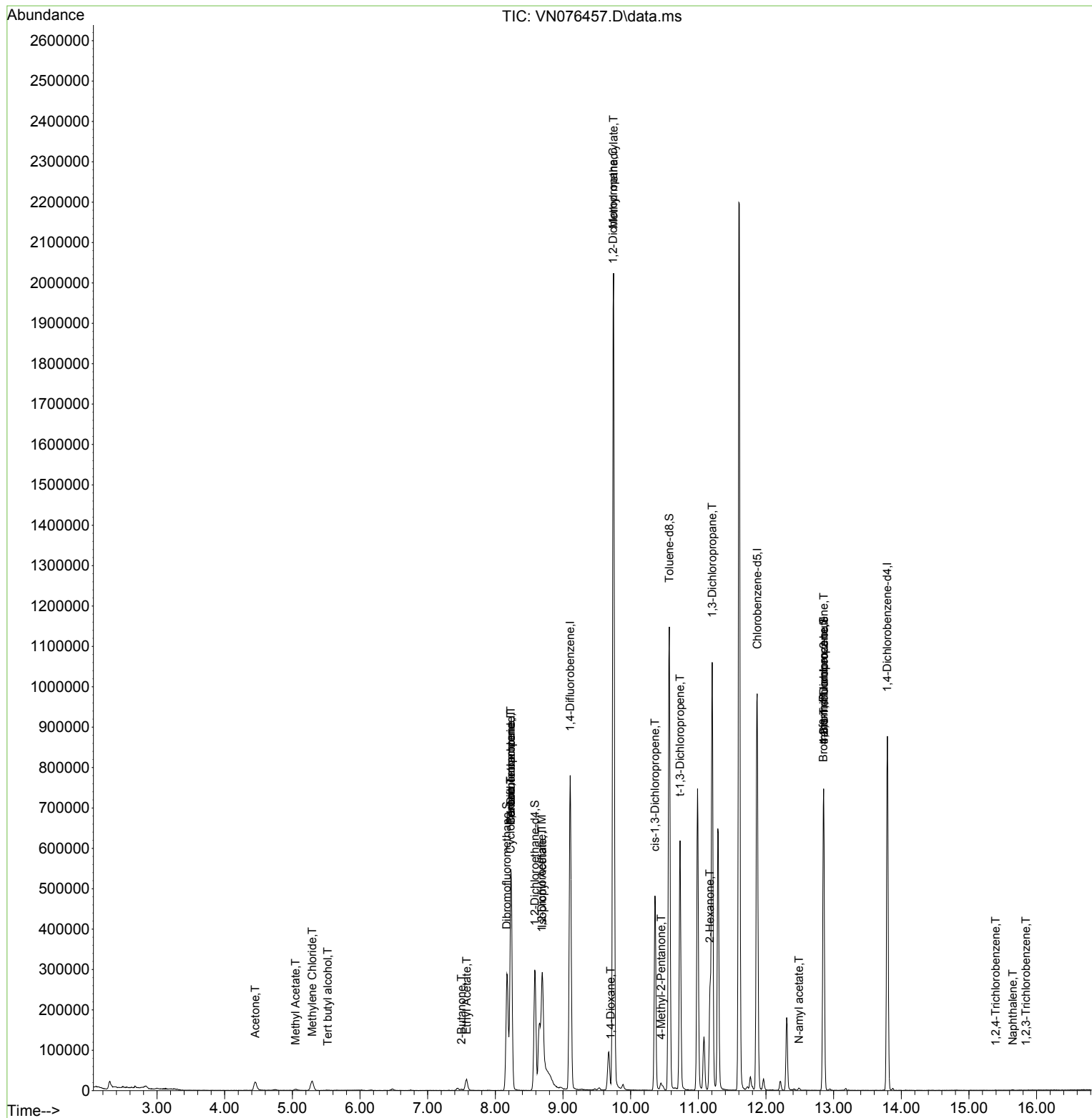
Internal Standards						
1) Pentafluorobenzene	8.230	168	404359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	680025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	599691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	241259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	249007	54.998	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.000%
35) Dibromofluoromethane	8.171	113	206291	48.495	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.000%
50) Toluene-d8	10.571	98	799409	50.886	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.780%
62) 4-Bromofluorobenzene	12.853	95	250006	48.748	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	496	0.819	ug/l #	72
16) Acetone	4.453	43	42079	28.927	ug/l	98
18) Methyl Acetate	5.048	43	6082	1.236	ug/l #	46
20) Methylene Chloride	5.295	84	19572	4.003	ug/l	96
25) 2-Butanone	7.500	43	5364	2.420	ug/l	91
31) Cyclohexane	8.224	56	8771	1.261	ug/l #	34
36) 1,1-Dichloropropene	8.230	75	32125	5.315	ug/l #	48
37) Ethyl Acetate	7.577	43	42199	8.734	ug/l	99
38) Carbon Tetrachloride	8.230	117	42696	6.334	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	2198	0.355	ug/l #	73
43) Isopropyl Acetate	8.694	43	557837	70.726	ug/l #	67
45) 1,2-Dichloropropane	9.741	63	2906	0.672	ug/l #	42
48) Methyl methacrylate	9.747	41	188155	50.390	ug/l #	35
49) 1,4-Dioxane	9.706	88	55	0.698	ug/l #	31
51) 4-Methyl-2-Pentanone	10.453	43	10567	2.282	ug/l	100
53) t-1,3-Dichloropropene	10.730	75	1542	0.255	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	90544	13.028	ug/l #	62
57) 1,3-Dichloropropane	11.206	76	11716	1.560	ug/l #	42
59) 2-Hexanone	11.171	43	187344	55.836	ug/l #	21
71) Bromoform	12.847	173	1508	0.443	ug/l #	1
74) N-amyl acetate	12.488	43	2294	0.427	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	137337	30.885	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	137337	94.714	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	165	1.343	ug/l #	29
95) Naphthalene	15.647	128	1547	1.958	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.841	180	59	1.168	ug/l #	83

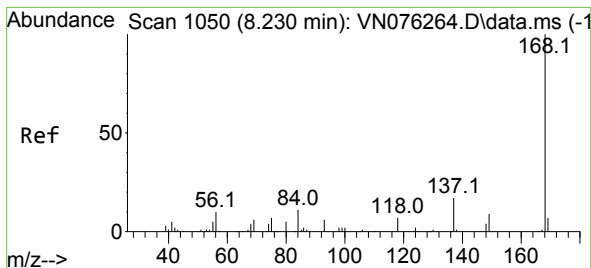
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
Data File : VN076457.D
Acq On : 30 Jan 2023 15:17
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Sample : PB150523ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

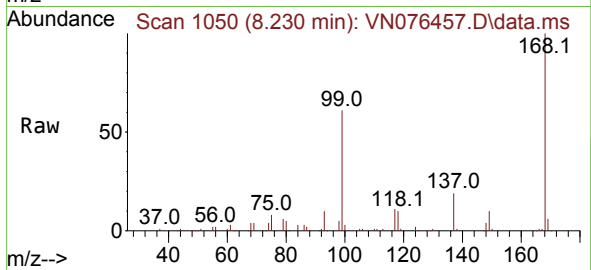
Quant Time: Jan 31 00:40:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration



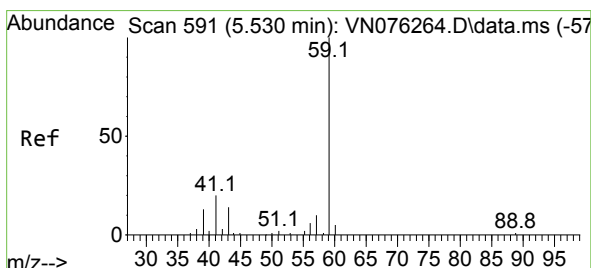
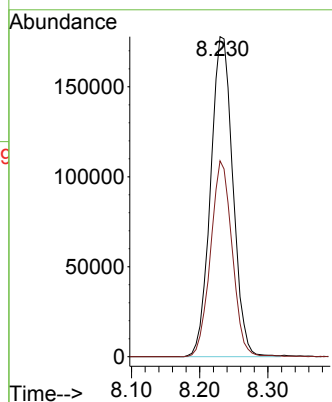
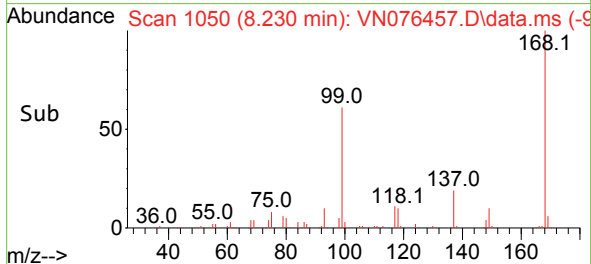


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

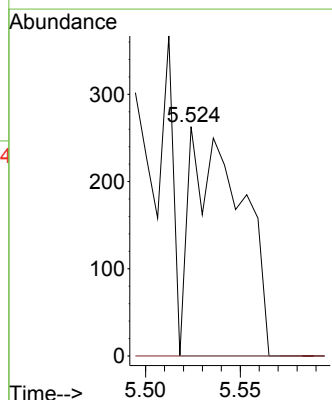
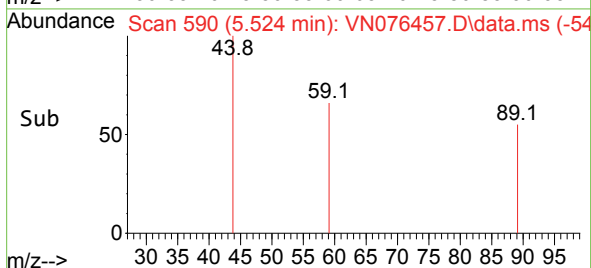
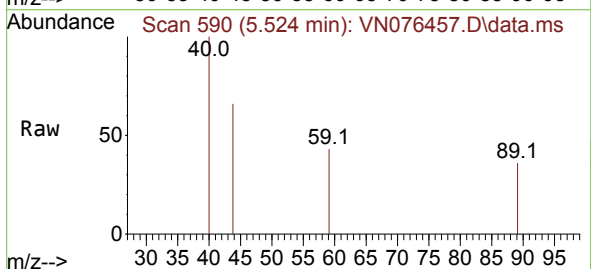


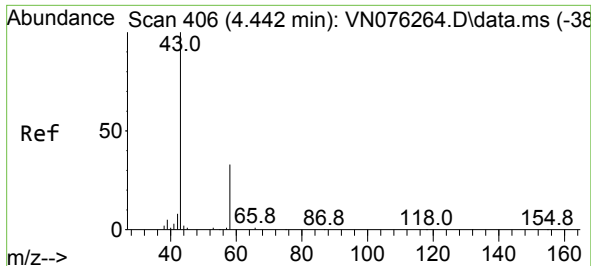
Tgt Ion:168 Resp: 404359
Ion Ratio Lower Upper
168 100
99 61.2 41.6 62.4



#11
Tert butyl alcohol
Concen: 0.819 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.006 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Tgt Ion: 59 Resp: 496
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

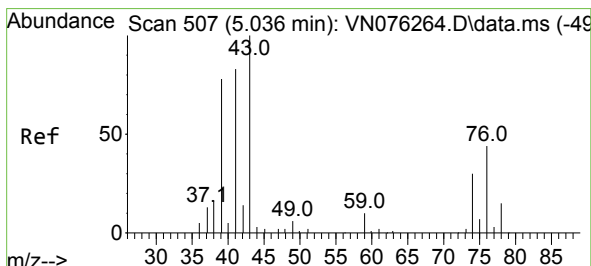
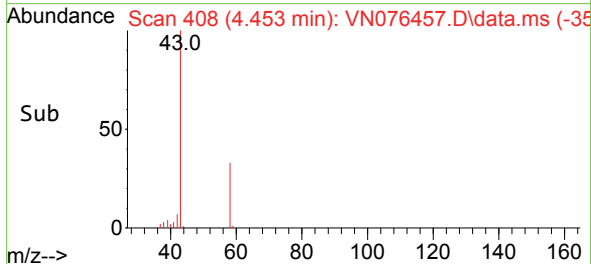
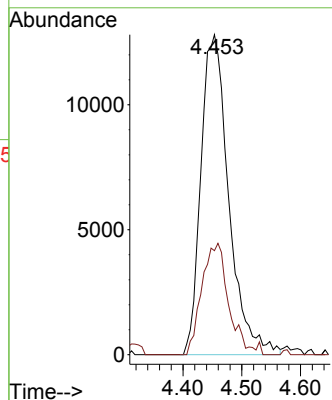
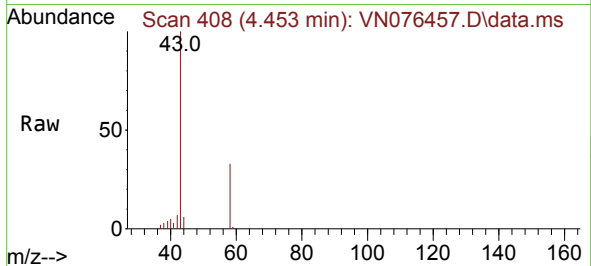




#16
Acetone
Concen: 28.927 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

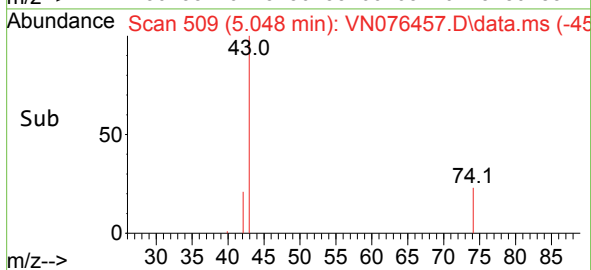
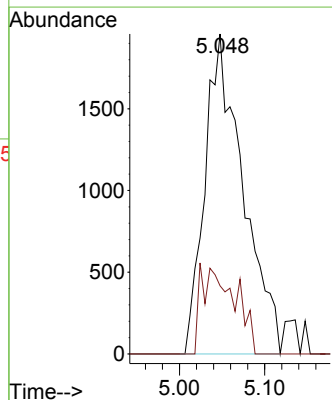
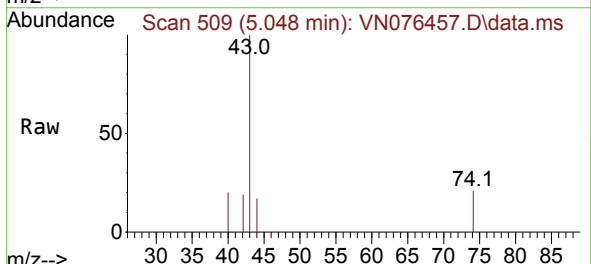
Instrument :
MSVOA_N
ClientSampleId :

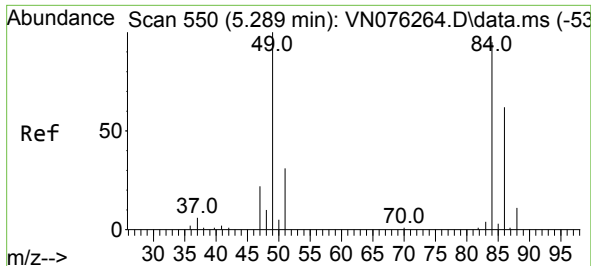
Tgt Ion: 43 Resp: 42079
Ion Ratio Lower Upper
43 100
58 32.5 26.7 40.1



#18
Methyl Acetate
Concen: 1.236 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

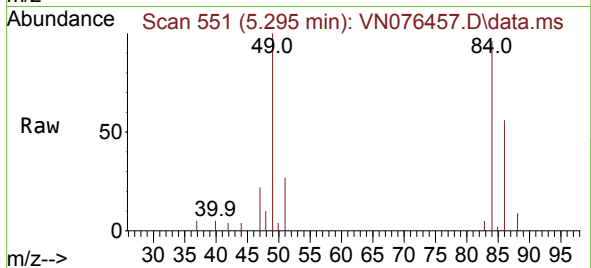
Tgt Ion: 43 Resp: 6082
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



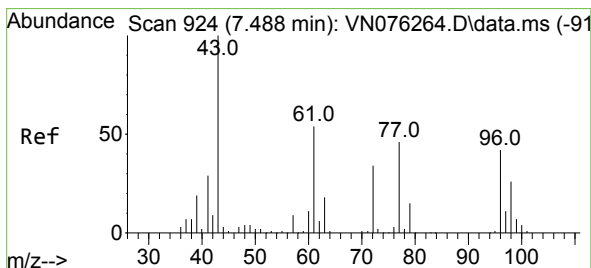
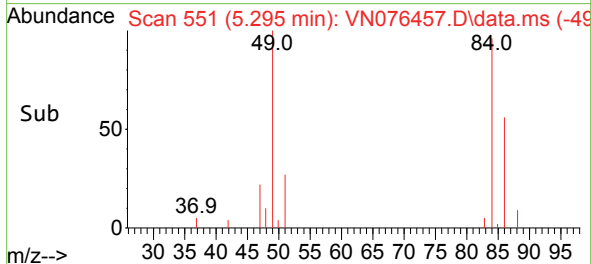
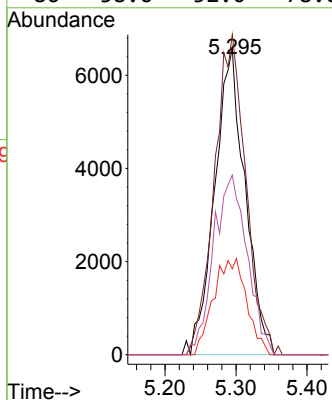


#20
Methylene Chloride
Concen: 4.003 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

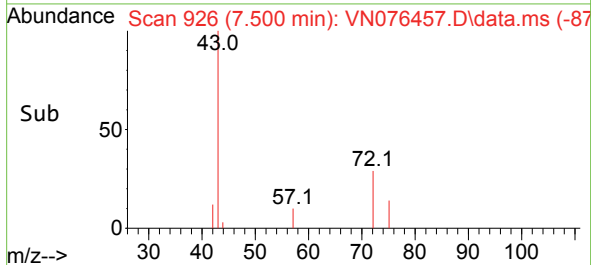
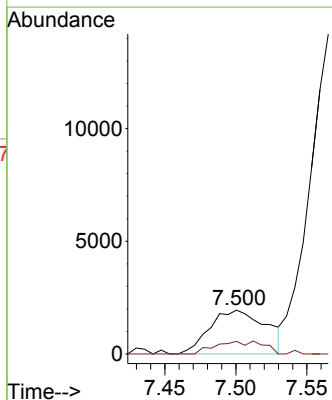
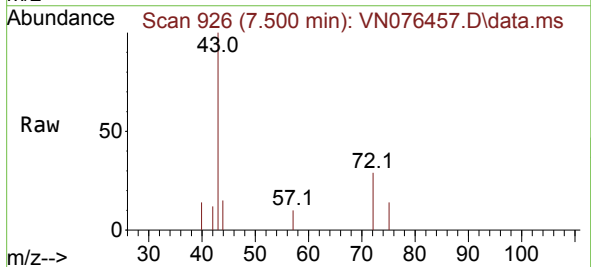


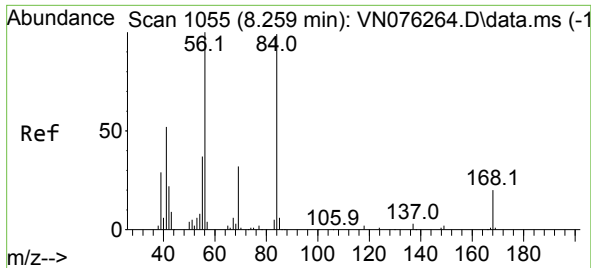
Tgt Ion: 84	Resp: 19572
Ion Ratio	Lower Upper
84 100	
49 104.4	84.5 126.7
51 28.0	26.0 39.0
86 58.6	52.0 78.0



#25
2-Butanone
Concen: 2.420 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

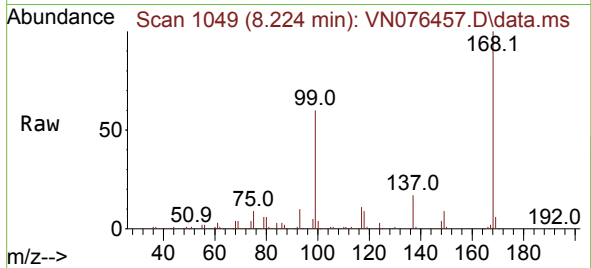
Tgt Ion: 43	Resp: 5364
Ion Ratio	Lower Upper
43 100	
72 29.0	27.4 41.2



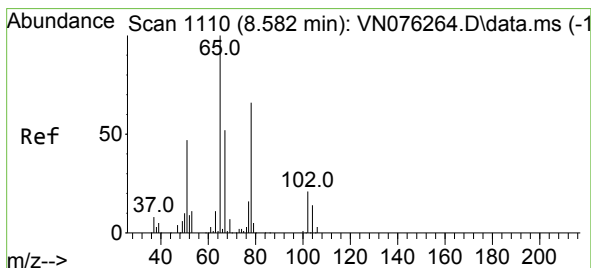
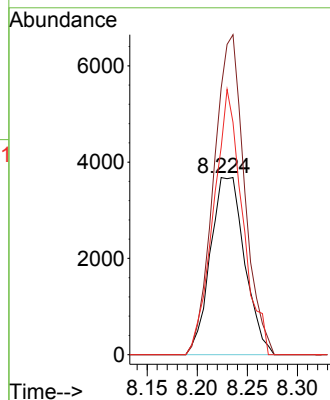
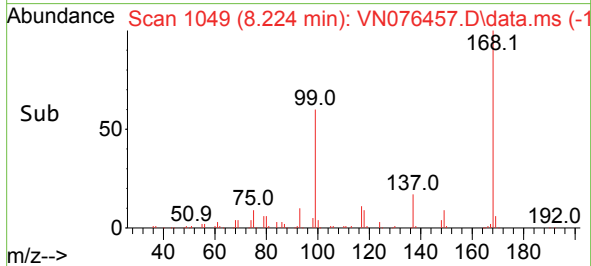


#31
Cyclohexane
Concen: 1.261 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

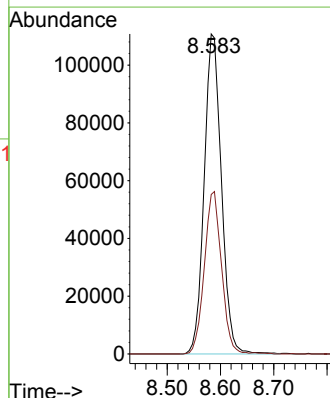
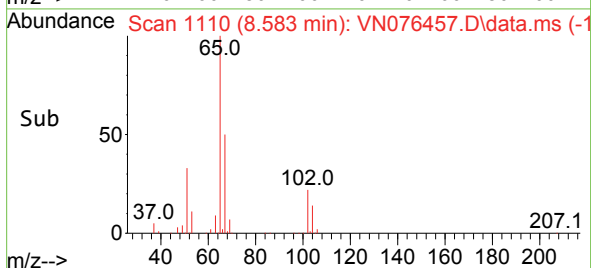
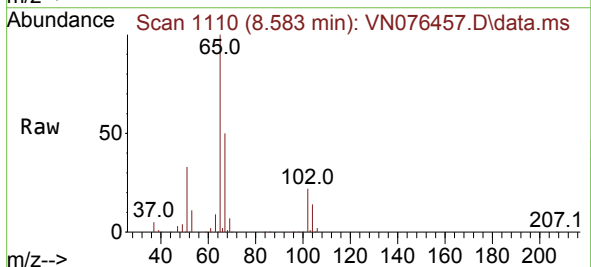


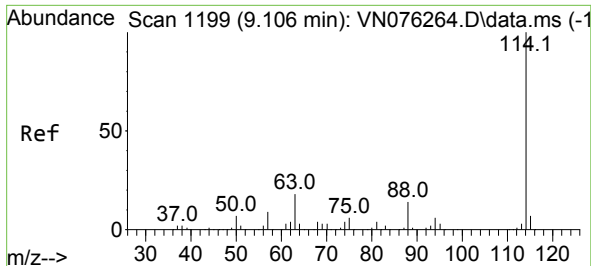
Tgt Ion: 56 Resp: 8771
Ion Ratio Lower Upper
56 100
69 150.5 25.8 38.8#
84 117.0 79.0 118.4



#33
1,2-Dichloroethane-d4
Concen: 54.998 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Tgt Ion: 65 Resp: 249007
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076457.D

Acq: 30 Jan 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :

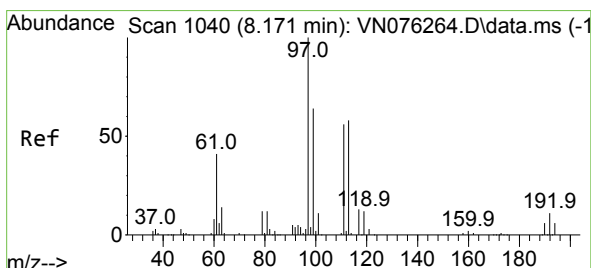
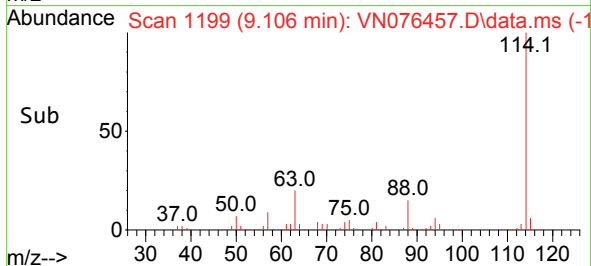
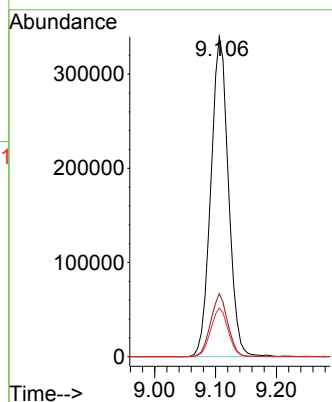
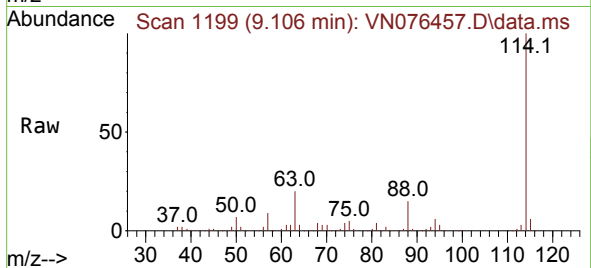
Tgt Ion:114 Resp: 680025

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.8

88 15.2 0.0 28.0



#35

Dibromofluoromethane

Concen: 48.495 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076457.D

Acq: 30 Jan 2023 15:17

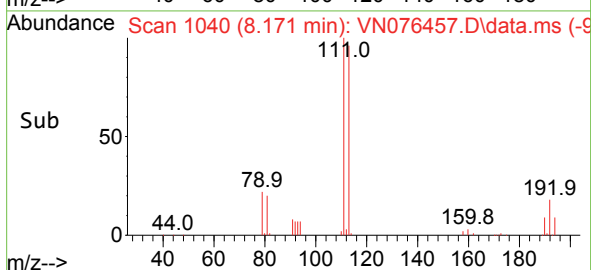
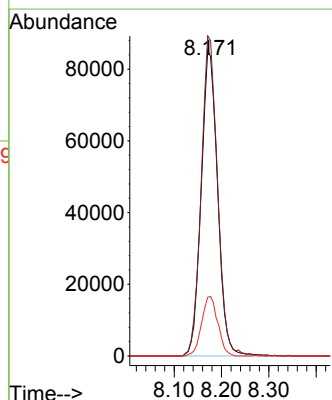
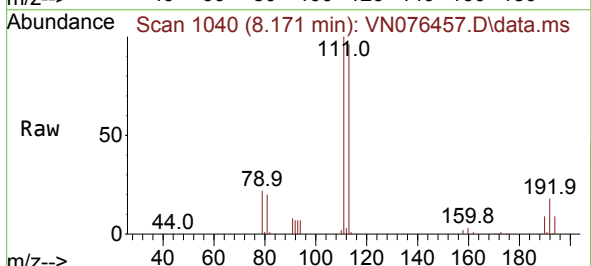
Tgt Ion:113 Resp: 206291

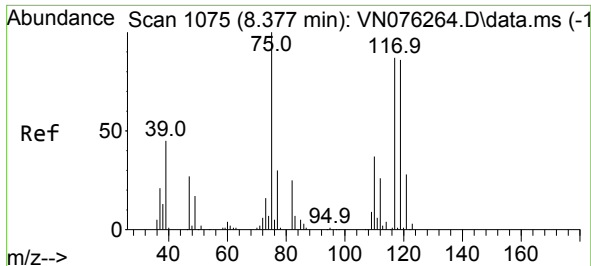
Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

192 19.1 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.315 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

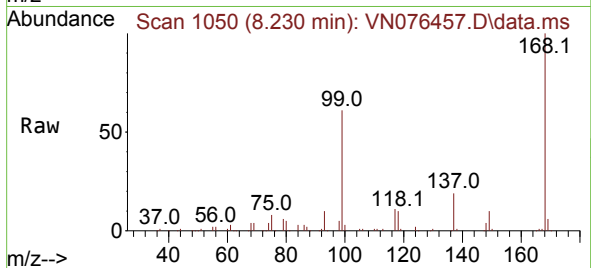
Lab File: VN076457.D

Acq: 30 Jan 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :



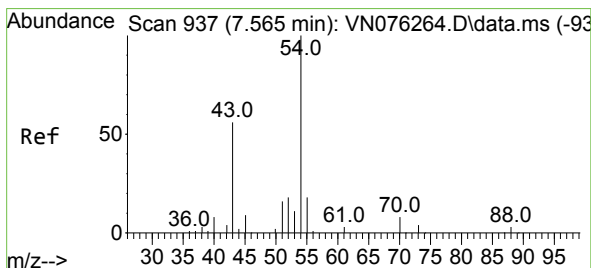
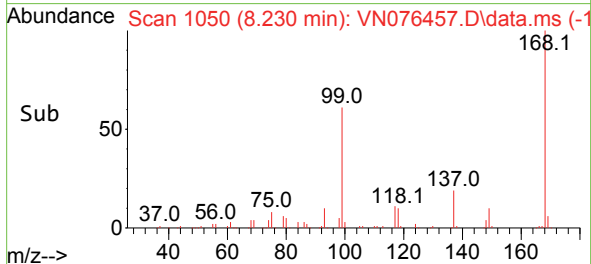
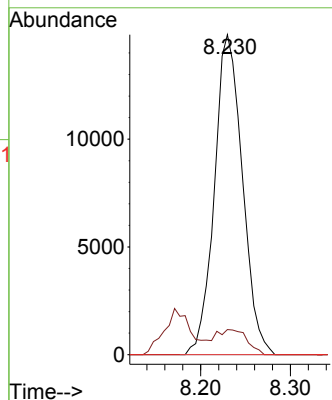
Tgt Ion: 75 Resp: 32125

Ion Ratio Lower Upper

75 100

110 8.3 18.8 56.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 8.734 ug/l

RT: 7.577 min Scan# 939

Delta R.T. 0.012 min

Lab File: VN076457.D

Acq: 30 Jan 2023 15:17

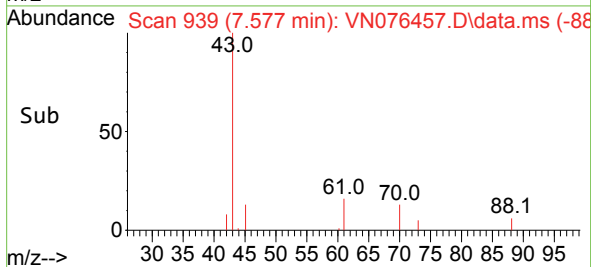
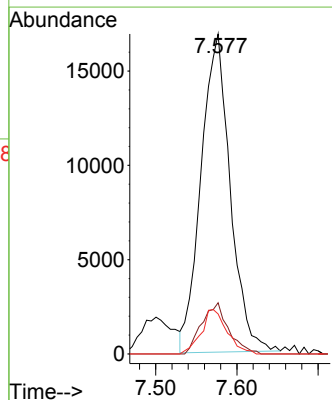
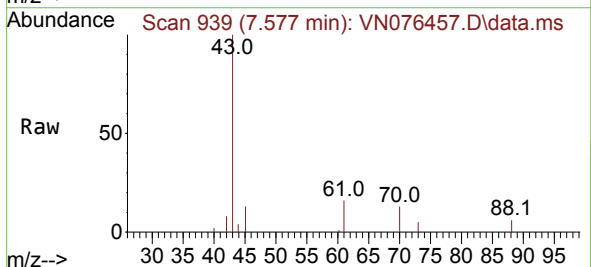
Tgt Ion: 43 Resp: 42199

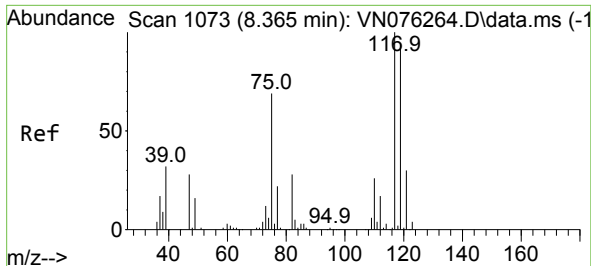
Ion Ratio Lower Upper

43 100

61 14.8 11.1 16.7

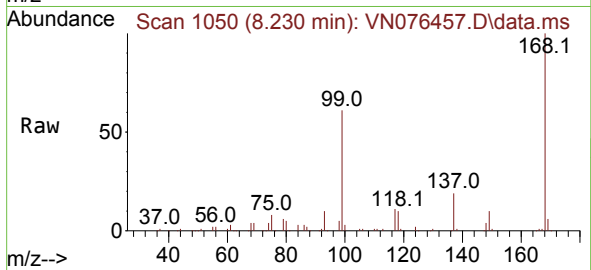
70 12.3 10.0 15.0



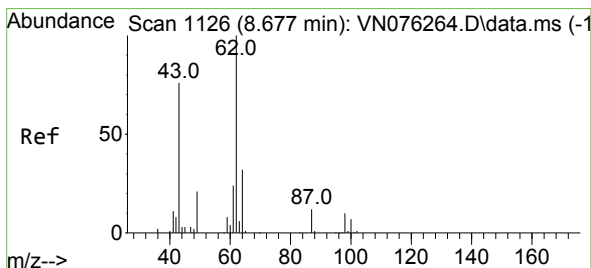
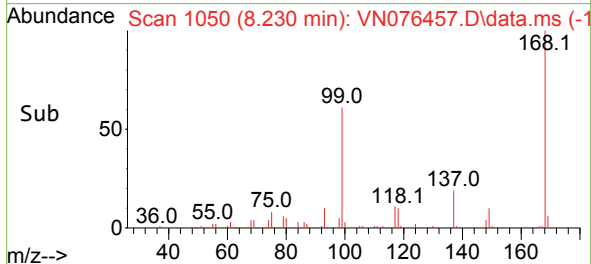
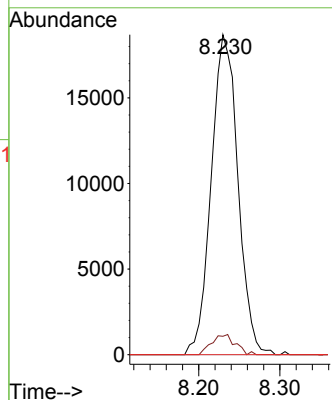


#38
Carbon Tetrachloride
Concen: 6.334 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

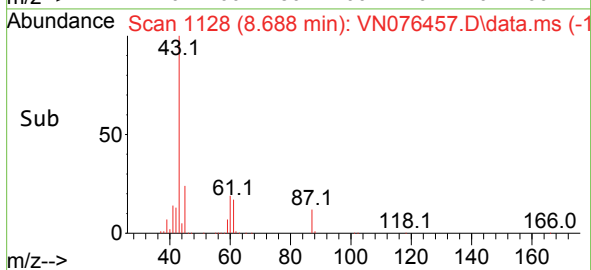
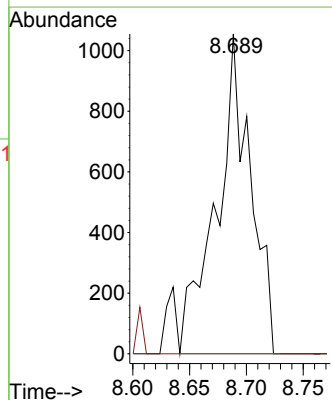
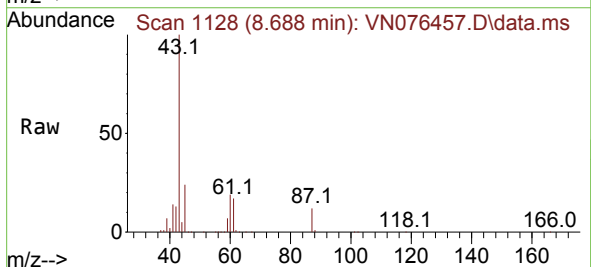


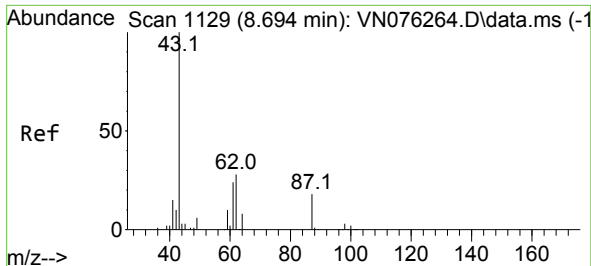
Tgt Ion:117 Resp: 42696
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.0#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.355 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

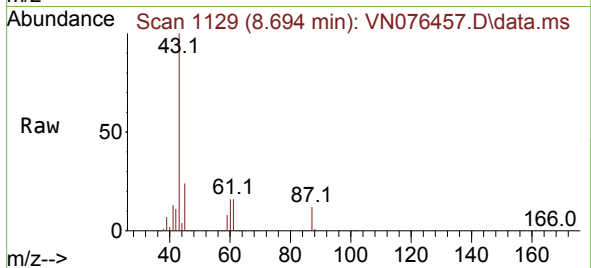
Tgt Ion: 62 Resp: 2198
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4



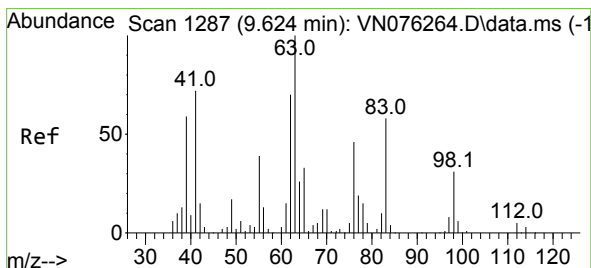
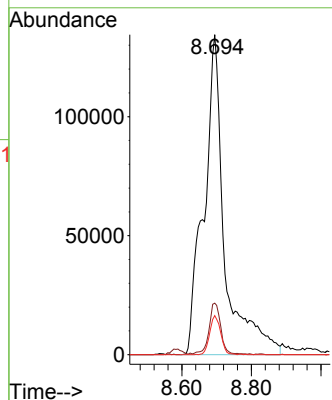
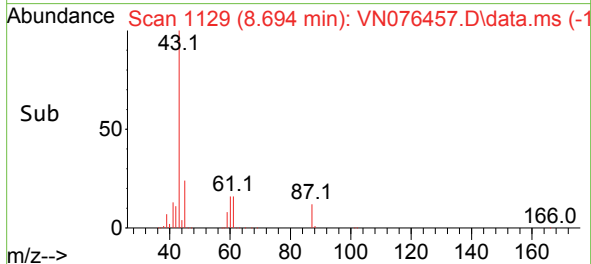


#43
Isopropyl Acetate
Concen: 70.726 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

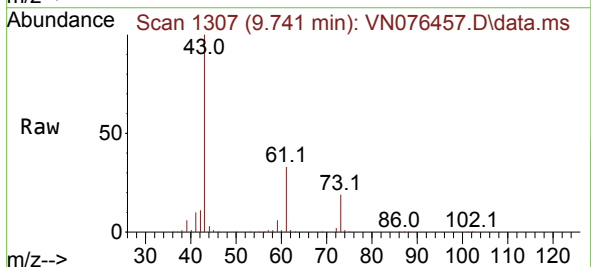
Instrument :
MSVOA_N
ClientSampleId :



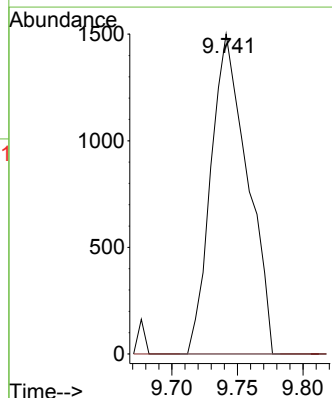
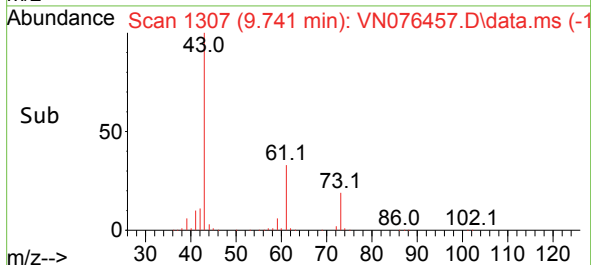
Tgt Ion: 43 Resp: 557837
Ion Ratio Lower Upper
43 100
61 9.3 23.5 35.3#
87 6.4 13.8 20.6#

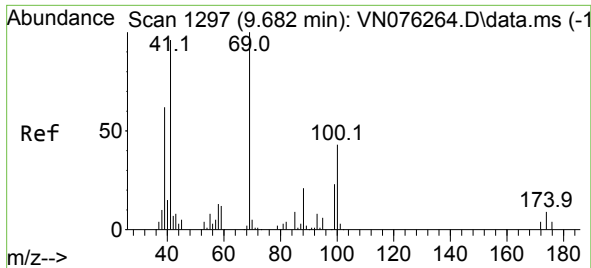


#45
1,2-Dichloropropane
Concen: 0.672 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17



Tgt Ion: 63 Resp: 2906
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

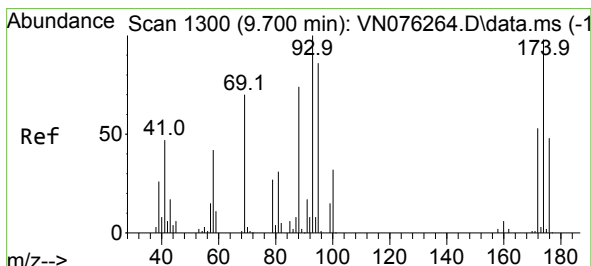
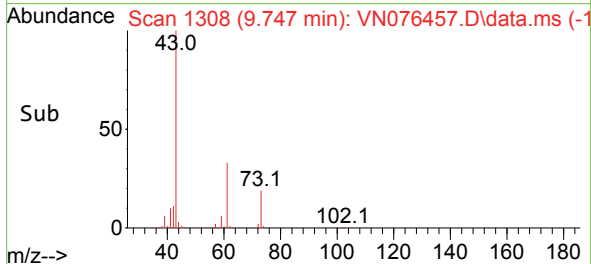
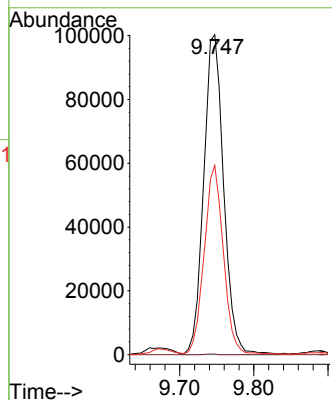
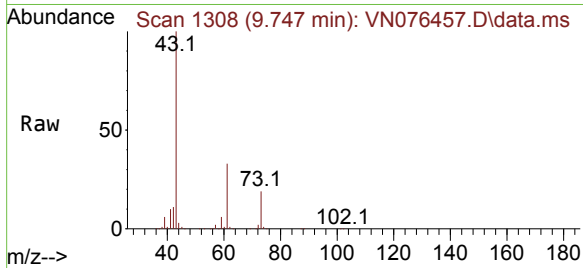




#48
Methyl methacrylate
Concen: 50.390 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

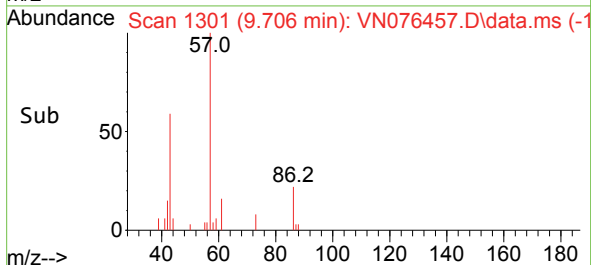
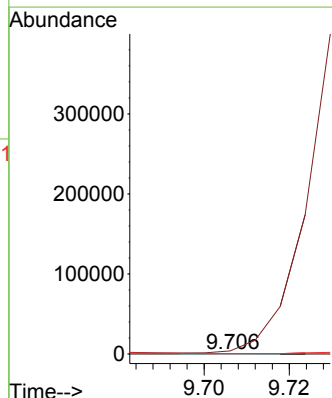
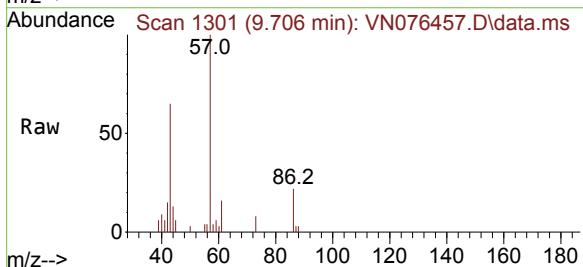
Instrument :
MSVOA_N
ClientSampleId :

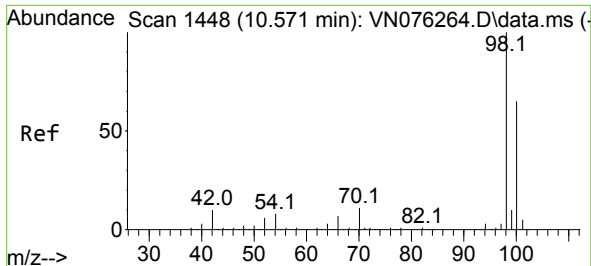
Tgt Ion: 41 Resp: 188155
Ion Ratio Lower Upper
41 100
69 0.1 80.8 121.2#
39 57.1 54.4 81.6



#49
1,4-Dioxane
Concen: 0.698 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 18.1 27.1#
58 0.0 46.5 69.7#

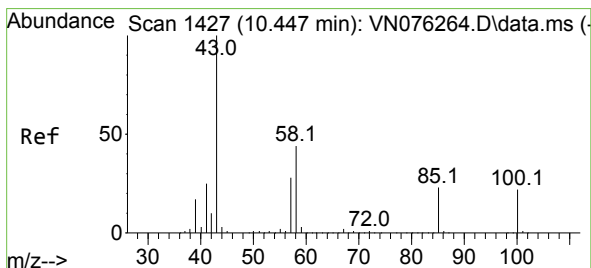
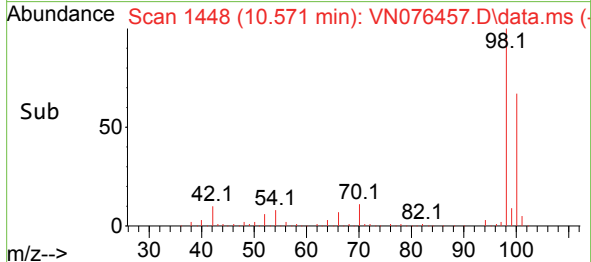
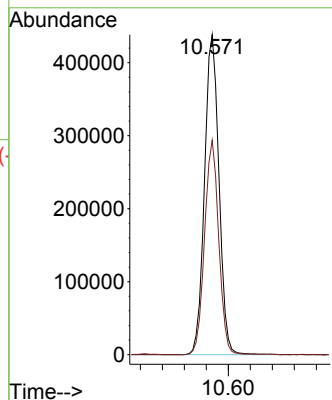
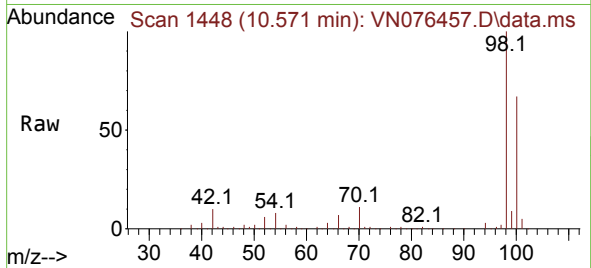




#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

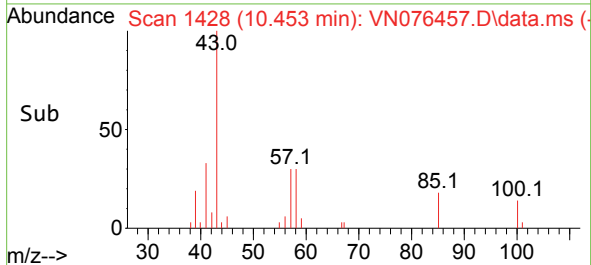
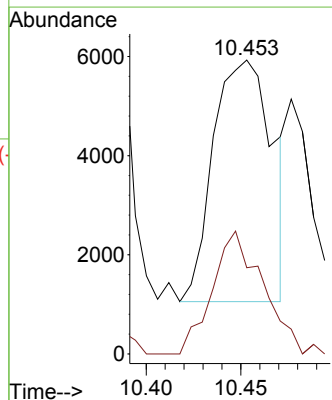
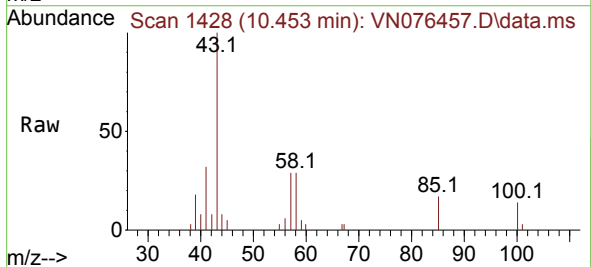
Instrument :
MSVOA_N
ClientSampleId :

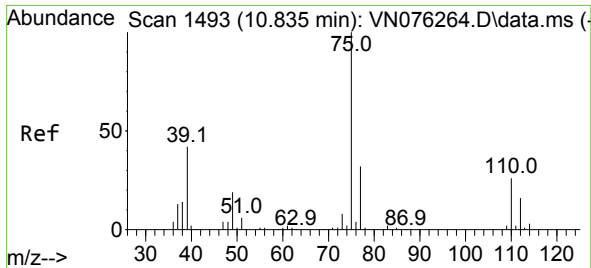
Tgt Ion: 98 Resp: 799409
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 2.282 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Tgt Ion: 43 Resp: 10567
Ion Ratio Lower Upper
43 100
58 43.9 35.1 52.7

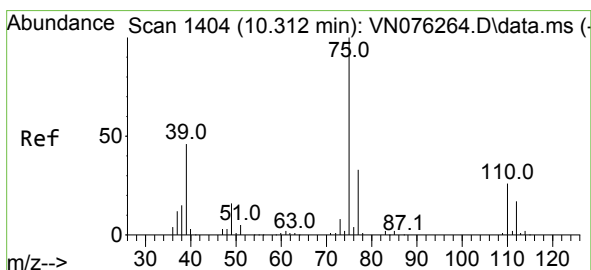
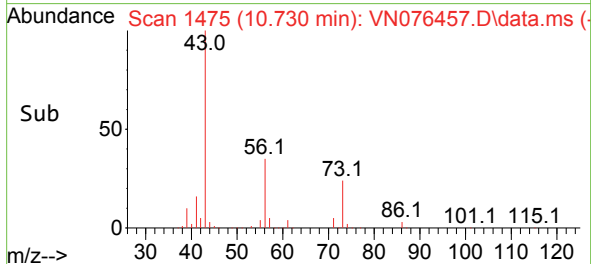
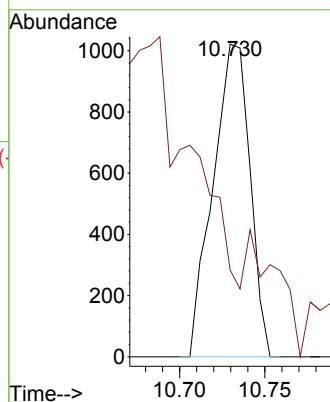
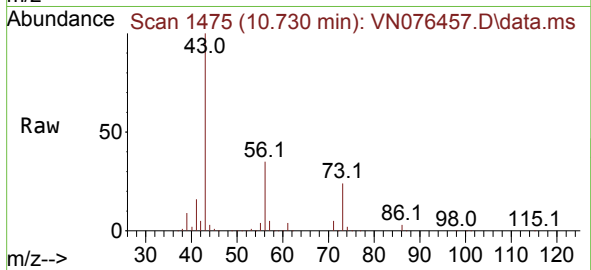




#53
 t-1,3-Dichloropropene
 Concen: 0.255 ug/l
 RT: 10.730 min Scan# 1412
 Delta R.T. -0.105 min
 Lab File: VN076457.D
 Acq: 30 Jan 2023 15:17

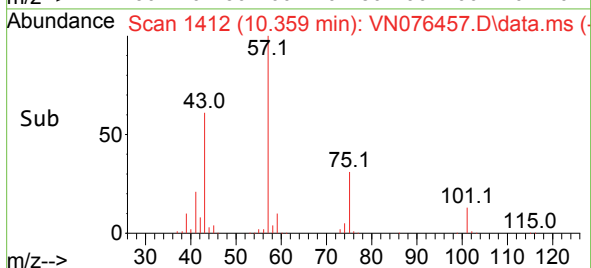
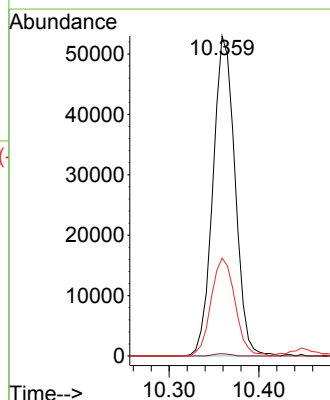
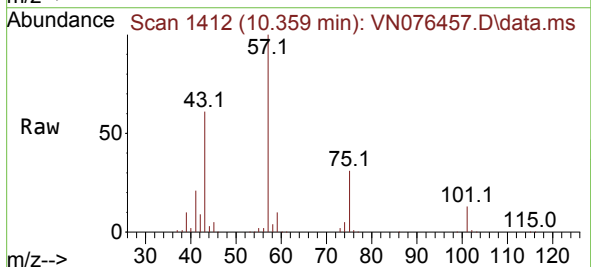
Instrument :
 MSVOA_N
 ClientSampleId :

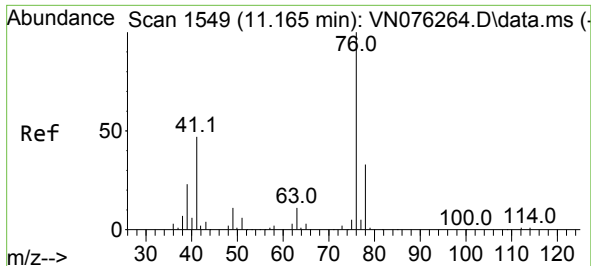
Tgt Ion: 75 Resp: 1542
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 13.028 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076457.D
 Acq: 30 Jan 2023 15:17

Tgt Ion: 75 Resp: 90544
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.5 39.7#
 39 30.5 37.1 55.7#





#57

1,3-Dichloropropane

Concen: 1.560 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076457.D

Acq: 30 Jan 2023 15:17

Instrument :

MSVOA_N

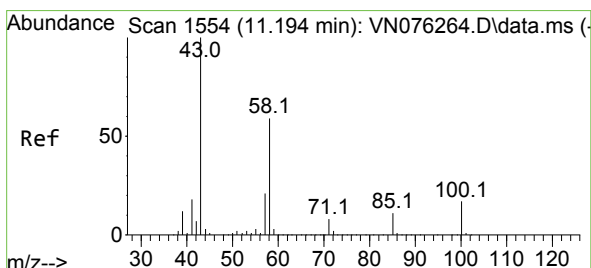
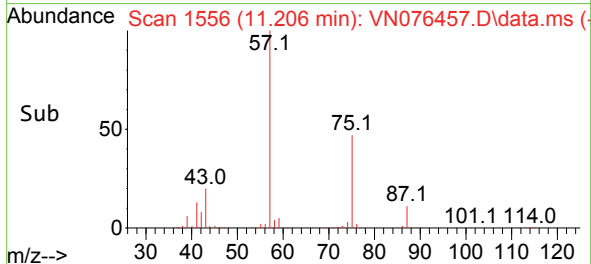
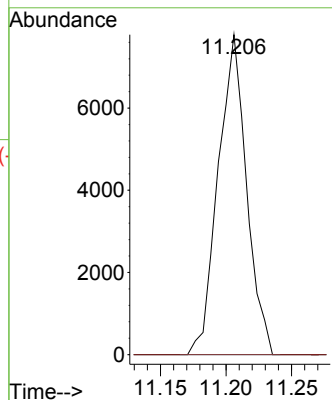
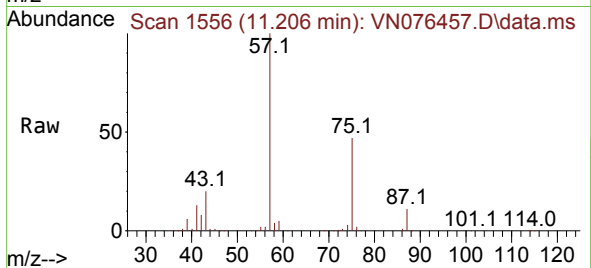
ClientSampleId :

Tgt Ion: 76 Resp: 11716

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#59

2-Hexanone

Concen: 55.836 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.023 min

Lab File: VN076457.D

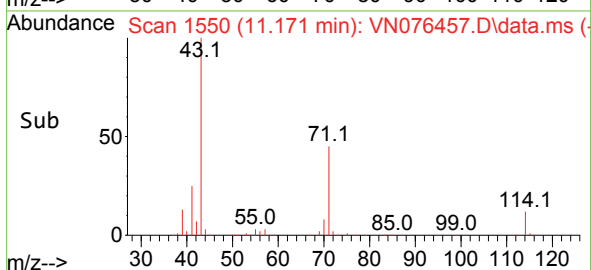
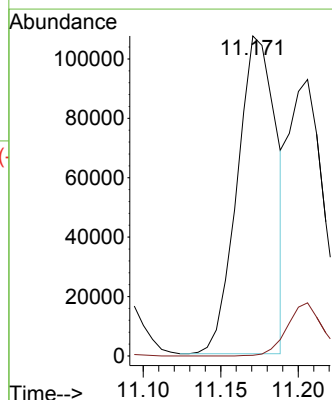
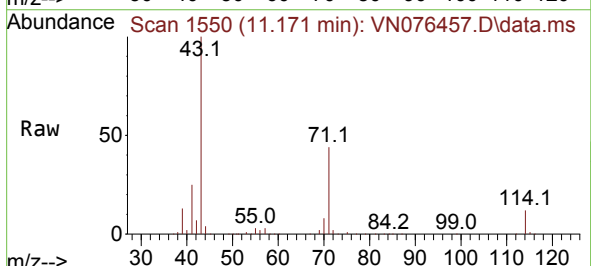
Acq: 30 Jan 2023 15:17

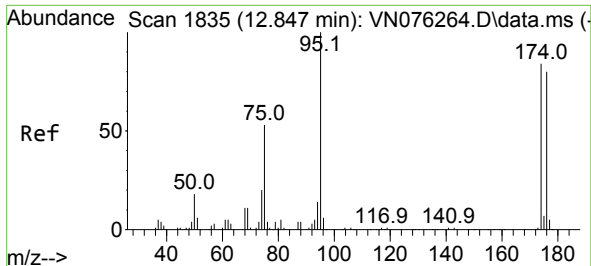
Tgt Ion: 43 Resp: 187344

Ion Ratio Lower Upper

43 100

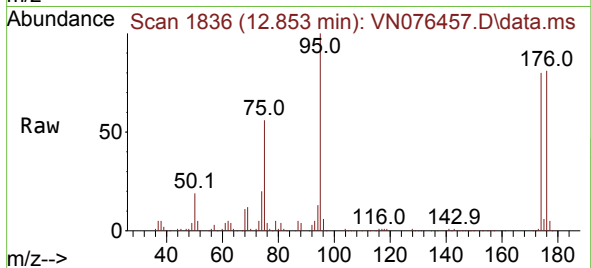
58 0.0 30.1 90.3#



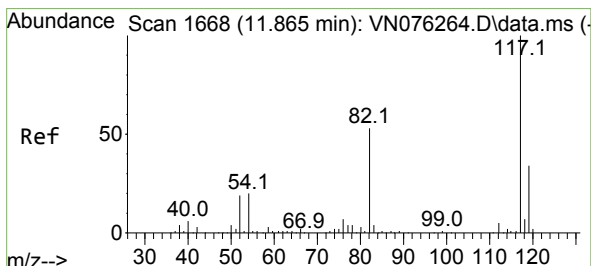
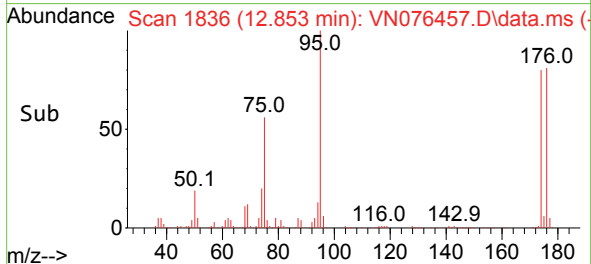
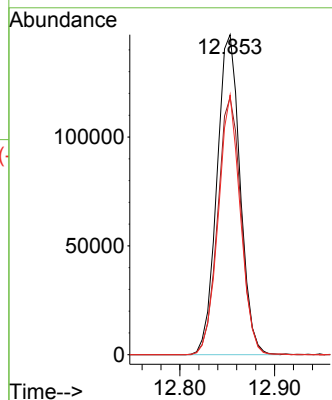


#62
4-Bromofluorobenzene
Concen: 48.748 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

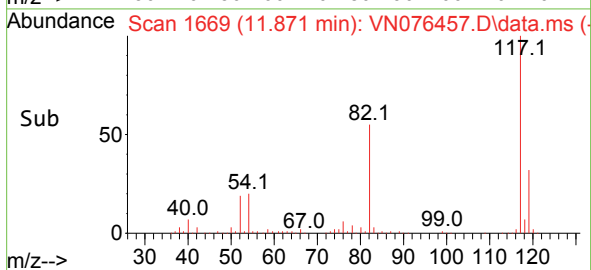
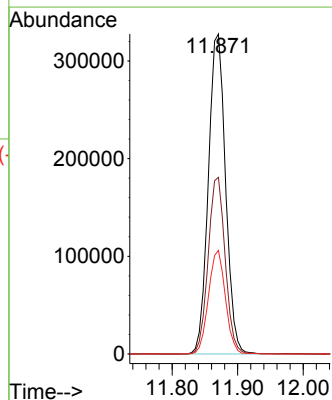
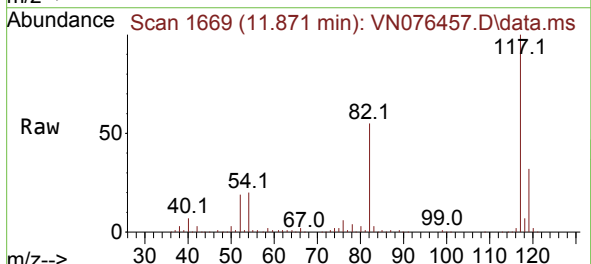


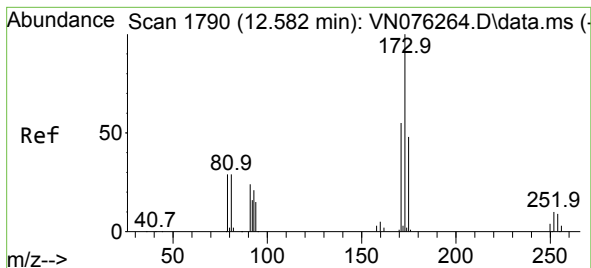
Tgt Ion: 95 Resp: 250006
Ion Ratio Lower Upper
95 100
174 81.2 0.0 174.6
176 77.3 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Tgt Ion: 117 Resp: 599691
Ion Ratio Lower Upper
117 100
82 55.2 42.2 63.2
119 32.3 26.9 40.3





#71

Bromoform

Concen: 0.443 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

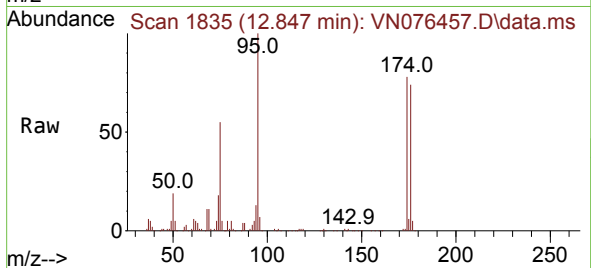
Lab File: VN076457.D

Acq: 30 Jan 2023 15:17

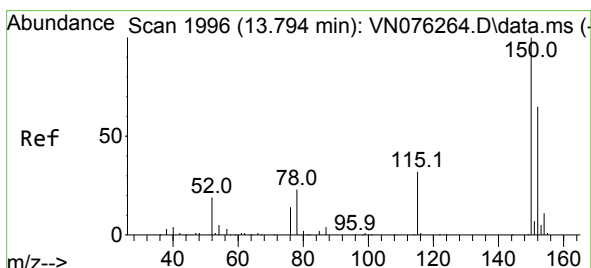
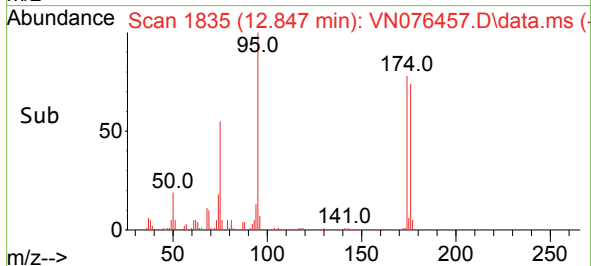
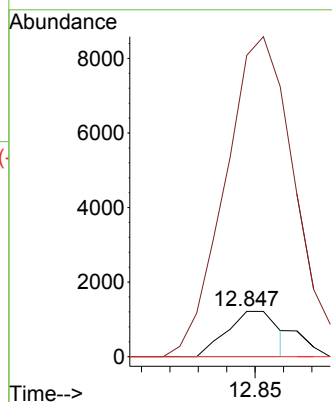
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1508
Ion Ratio	Lower	Upper	
173	100		
175	792.0	24.1	72.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

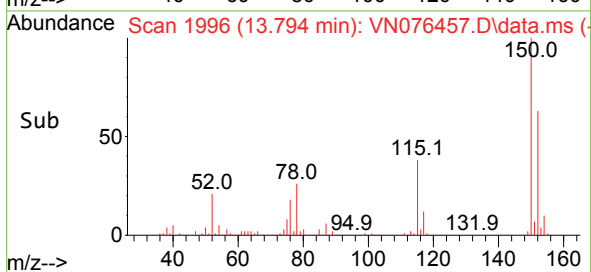
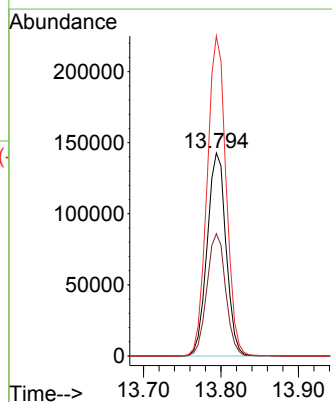
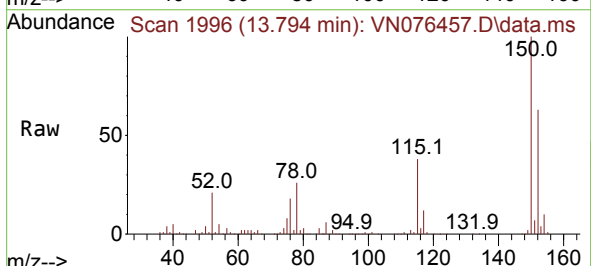
RT: 13.794 min Scan# 1996

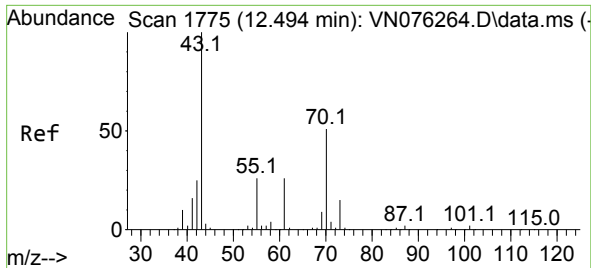
Delta R.T. 0.000 min

Lab File: VN076457.D

Acq: 30 Jan 2023 15:17

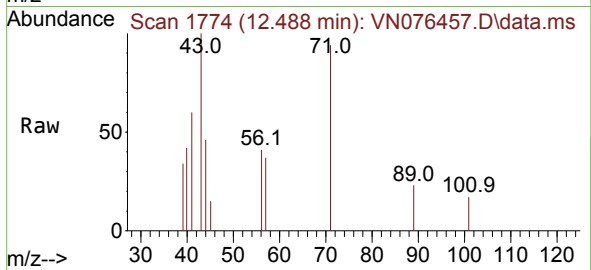
Tgt Ion:	152	Resp:	241259
Ion Ratio	Lower	Upper	
152	100		
115	59.9	29.6	88.9
150	158.0	0.0	351.4



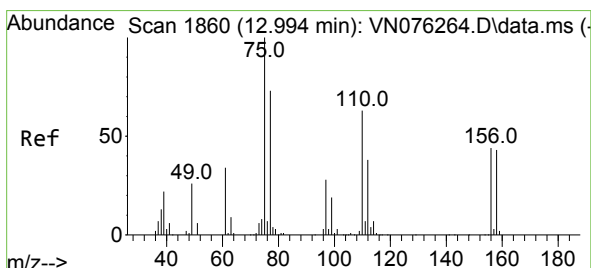
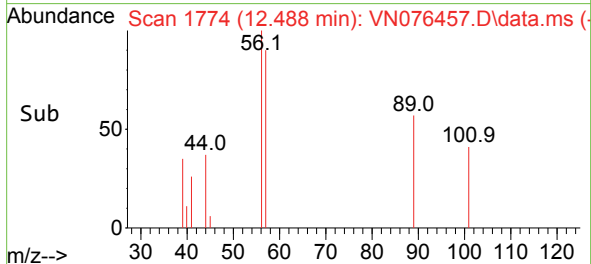
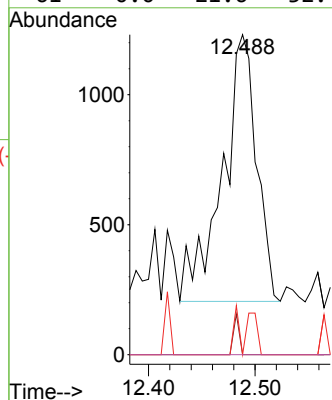


#74
N-amy1 acetate
Concen: 0.427 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

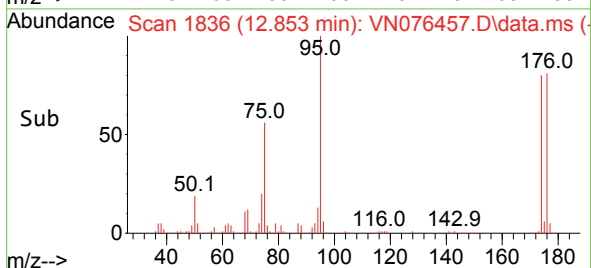
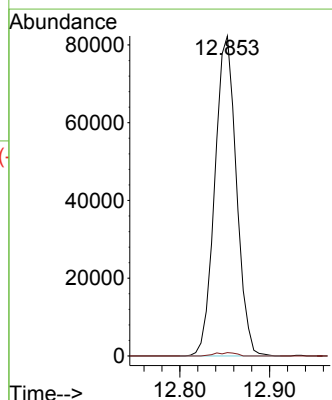
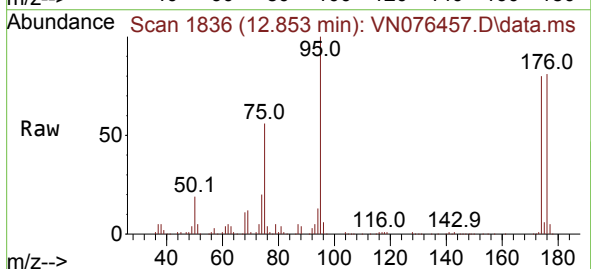


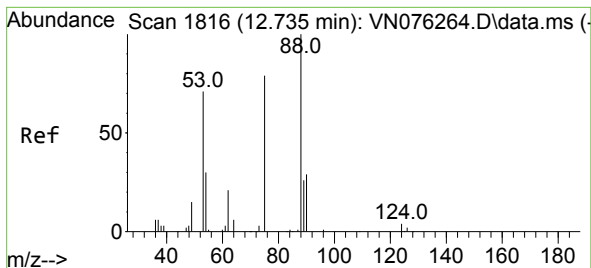
Tgt Ion: 43 Resp: 2294
Ion Ratio Lower Upper
43 100
70 2.4 41.2 61.8#
55 4.9 21.0 31.6#
61 0.0 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 30.885 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076457.D
Acq: 30 Jan 2023 15:17

Tgt Ion: 75 Resp: 137337
Ion Ratio Lower Upper
75 100
77 1.0 75.2 225.6#

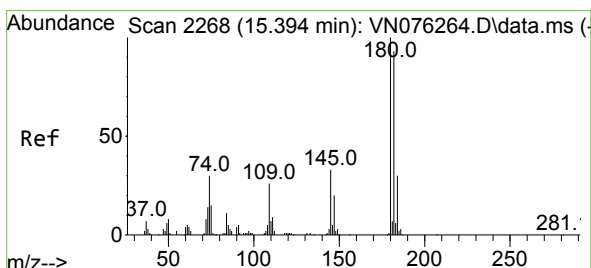
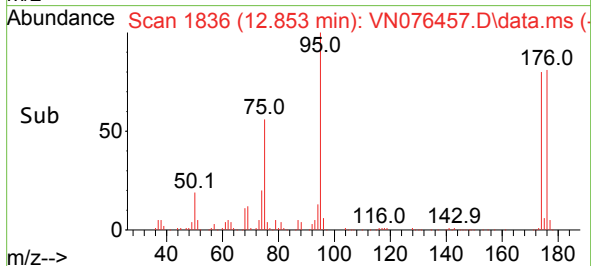
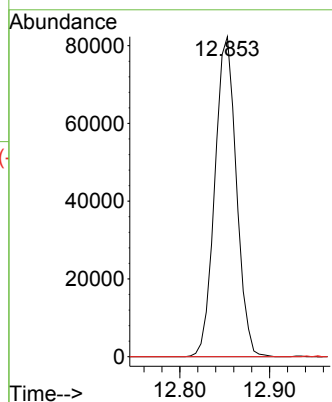
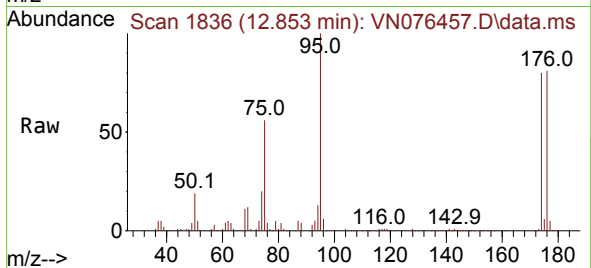




#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.714 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.118 min
 Lab File: VN076457.D
 Acq: 30 Jan 2023 15:17

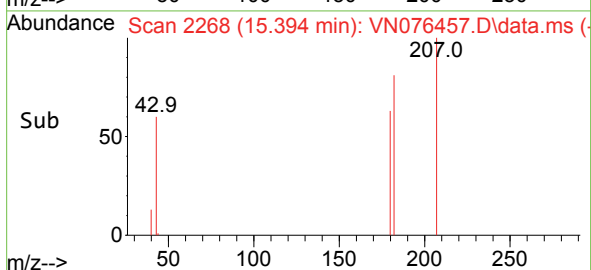
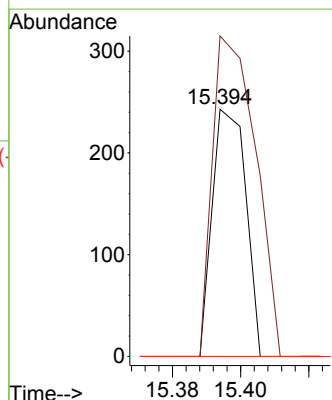
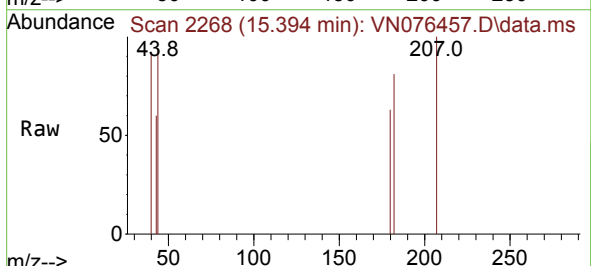
Instrument :
 MSVOA_N
 ClientSampleId :

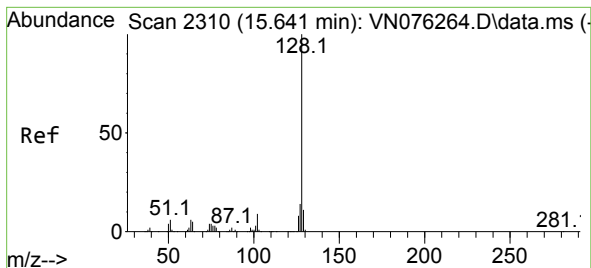
Tgt Ion: 75 Resp: 137337
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 37.0 55.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.343 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076457.D
 Acq: 30 Jan 2023 15:17

Tgt Ion:180 Resp: 165
 Ion Ratio Lower Upper
 180 100
 182 167.9 47.0 141.2#
 145 0.0 15.2 45.5#





#95

Naphthalene

Concen: 1.958 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076457.D

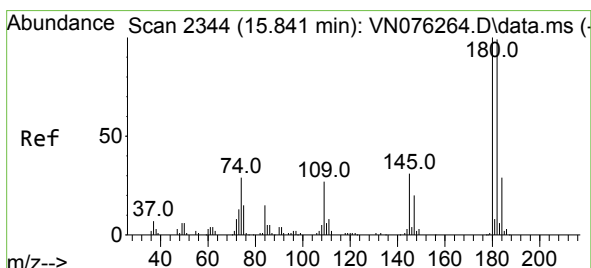
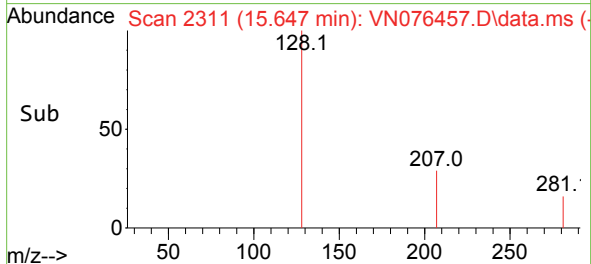
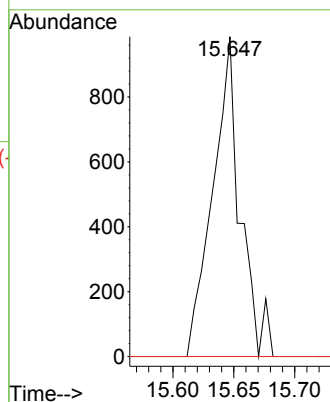
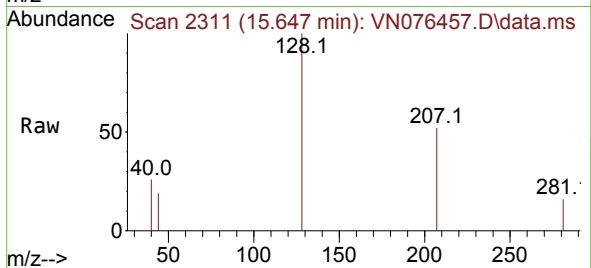
Acq: 30 Jan 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	1547
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.3 15.5#
129	0.0	8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.168 ug/l

RT: 15.841 min Scan# 2344

Delta R.T. -0.000 min

Lab File: VN076457.D

Acq: 30 Jan 2023 15:17

Tgt Ion:180	Resp:	59
Ion Ratio	Lower	Upper
180	100	
182	91.5	47.5 142.5
145	0.0	15.9 47.6#

