

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112223\
 Data File : VN080242.D
 Acq On : 22 Nov 2023 12:54
 Operator : JC\MD
 Sample : 05516-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 00:18:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

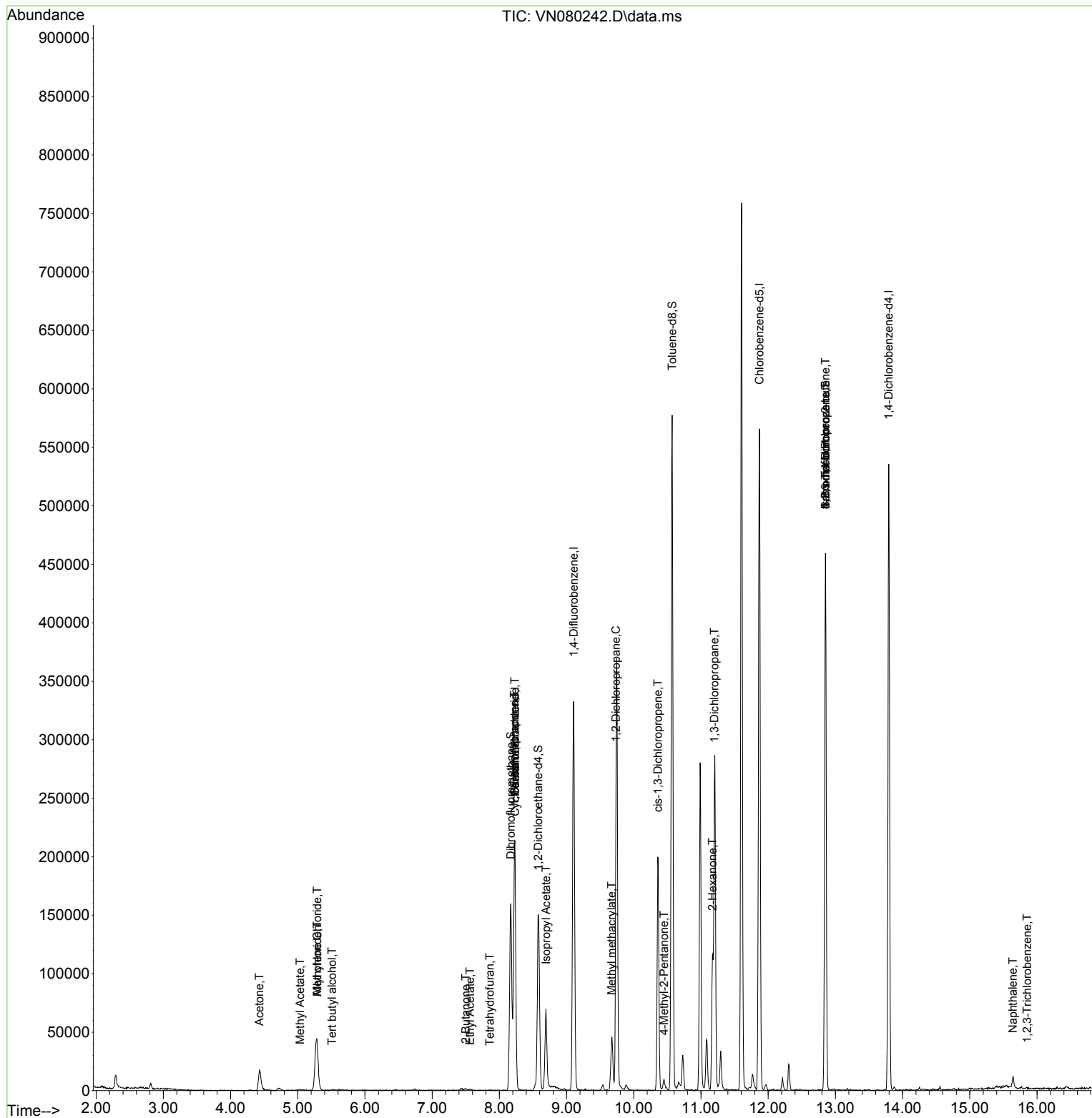
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	148292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	322624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141057	57.609	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 115.220%		
35) Dibromofluoromethane	8.171	113	109354	53.242	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.480%		
50) Toluene-d8	10.571	98	397601	53.701	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.400%		
62) 4-Bromofluorobenzene	12.853	95	154055	55.086	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 110.180%		
Target Compounds						Qvalue
6) Chloroethane	3.130	64	354	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	213	0.791	ug/l #	72
14) Allyl chloride	5.289	41	664	0.337	ug/l #	19
16) Acetone	4.430	43	31054	37.760	ug/l	96
18) Methyl Acetate	5.036	43	1863	0.705	ug/l #	61
20) Methylene Chloride	5.289	84	38394	22.293	ug/l	95
25) 2-Butanone	7.500	43	1956	2.002	ug/l #	80
29) Tetrahydrofuran	7.859	42	137	0.261	ug/l #	20
31) Cyclohexane	8.236	56	3450	1.296	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	12201	4.103	ug/l #	49
37) Ethyl Acetate	7.565	43	1823	0.884	ug/l #	63
38) Carbon Tetrachloride	8.230	117	16671	4.418	ug/l #	14
43) Isopropyl Acetate	8.694	43	70970	17.681	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	399	0.203	ug/l #	45
48) Methyl methacrylate	9.671	41	2007	0.970	ug/l #	22
51) 4-Methyl-2-Pentanone	10.453	43	7436	3.578	ug/l #	76
54) cis-1,3-Dichloropropene	10.359	75	37321	10.872	ug/l #	69
57) 1,3-Dichloropropane	11.200	76	3646	1.034	ug/l #	42
59) 2-Hexanone	11.171	43	120594	72.218	ug/l #	19
71) Bromoform	12.853	173	1157	0.550	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	88126	25.977	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	88126	87.766	ug/l #	15
95) Naphthalene	15.641	128	8334	1.057	ug/l	95
96) 1,2,3-Trichlorobenzene	15.853	180	820	0.322	ug/l #	62

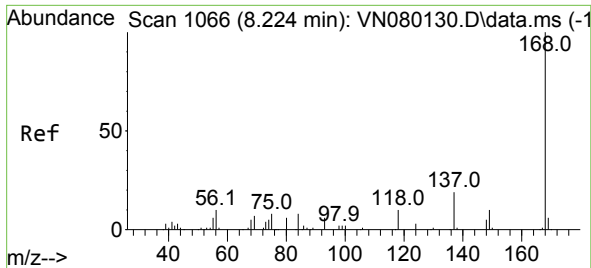
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

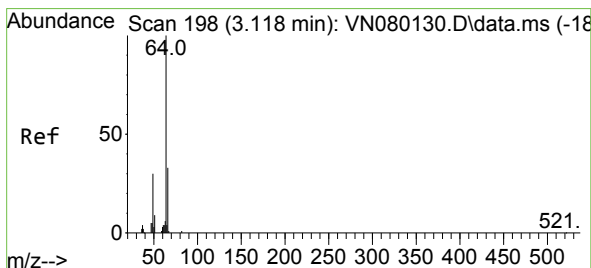
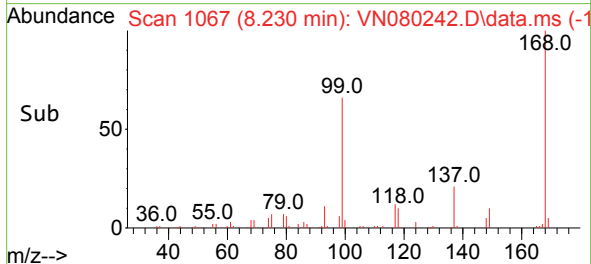
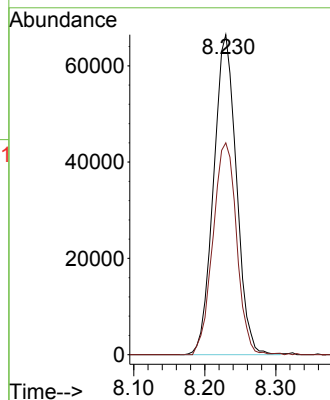
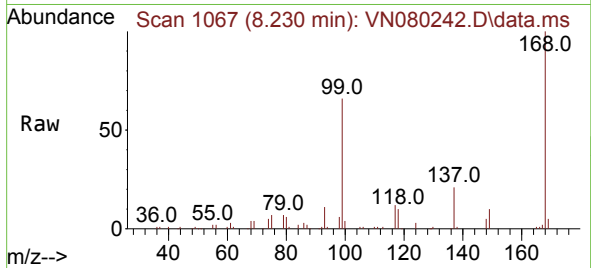




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

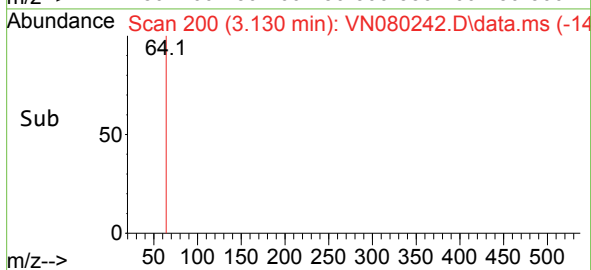
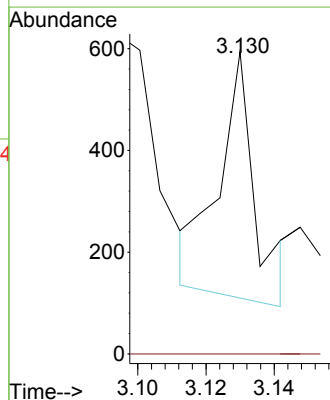
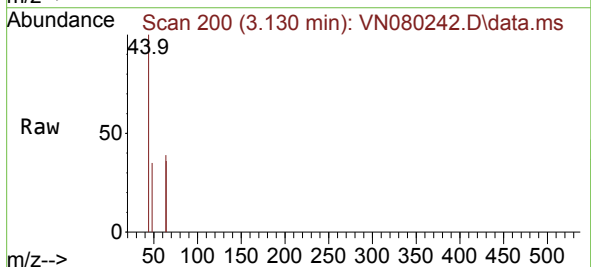
Instrument :
MSVOA_N
ClientSampleId :

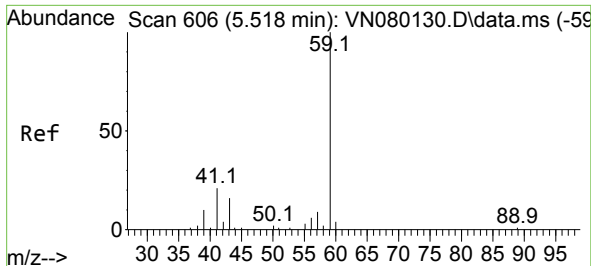
Tgt Ion:168 Resp: 148292
Ion Ratio Lower Upper
168 100
99 66.2 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Tgt Ion: 64 Resp: 354
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.791 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

Instrument :

MSVOA_N

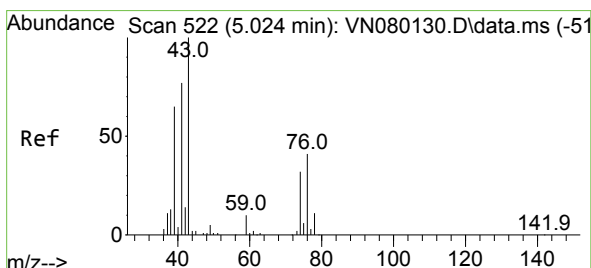
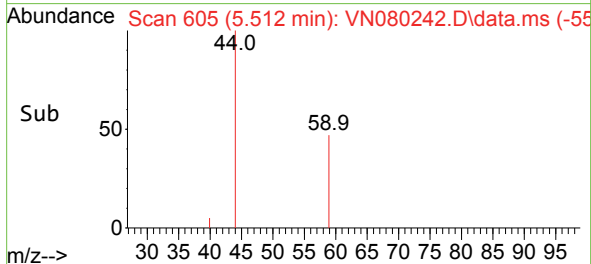
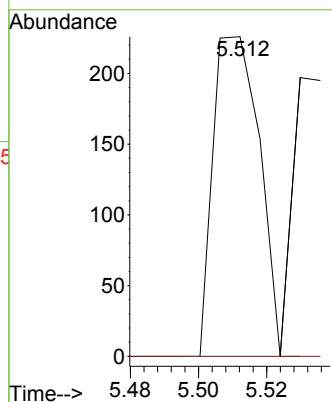
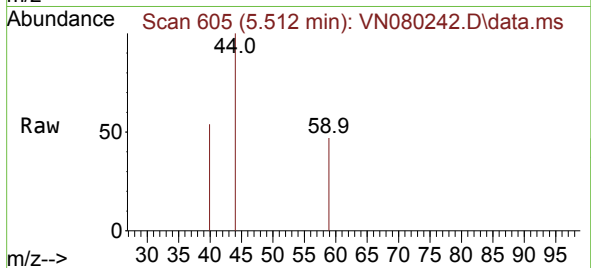
ClientSampleId :

Tgt Ion: 59 Resp: 213

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#14

Allyl chloride

Concen: 0.337 ug/l

RT: 5.289 min Scan# 567

Delta R.T. 0.265 min

Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

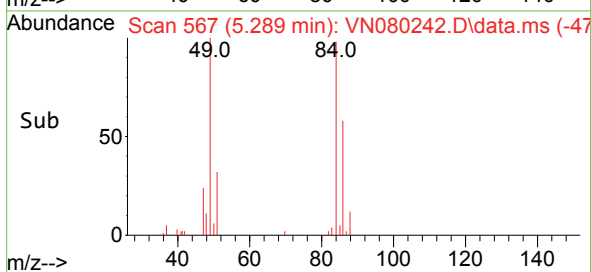
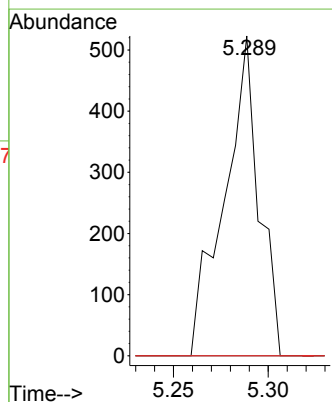
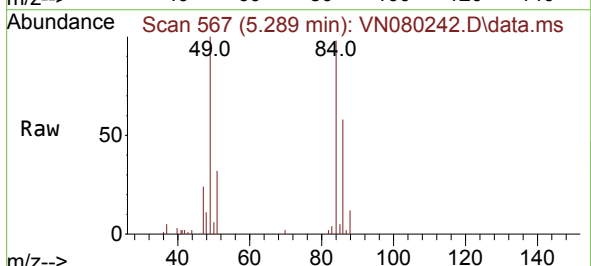
Tgt Ion: 41 Resp: 664

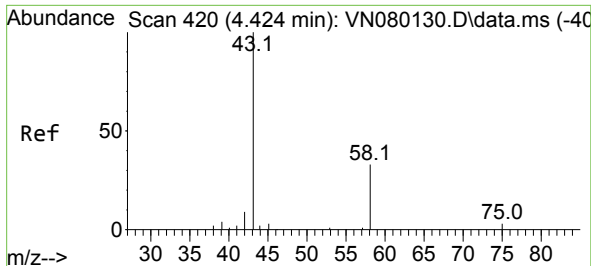
Ion Ratio Lower Upper

41 100

39 0.0 58.8 88.2#

76 0.0 39.1 58.7#

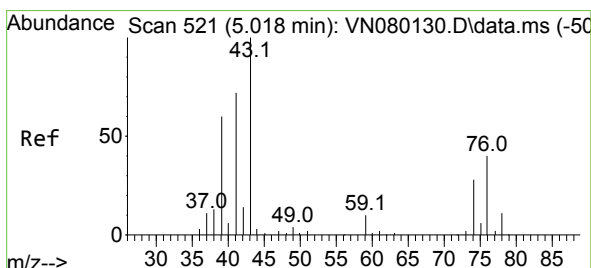
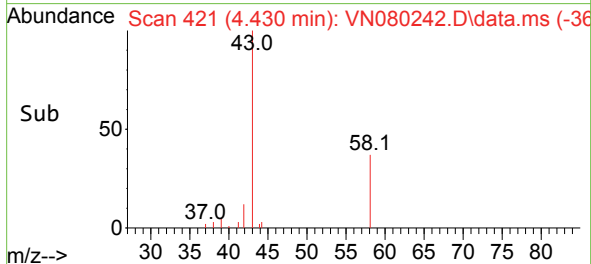
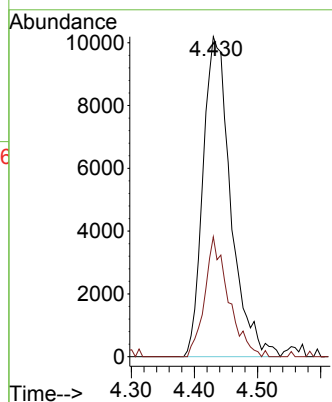
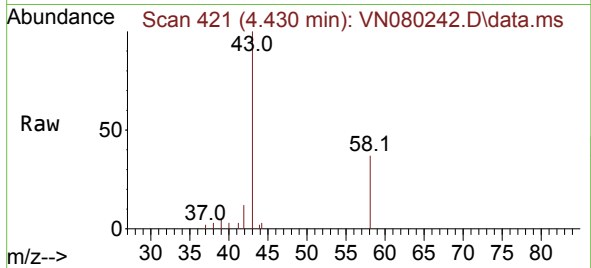




#16
Acetone
Concen: 37.760 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

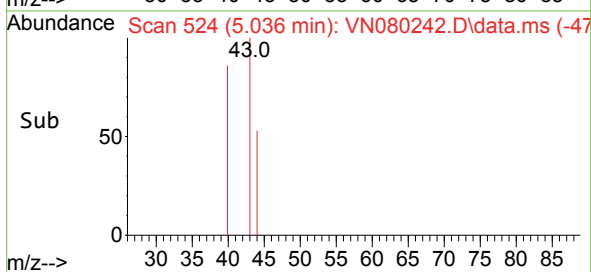
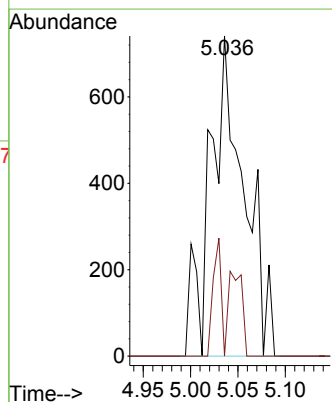
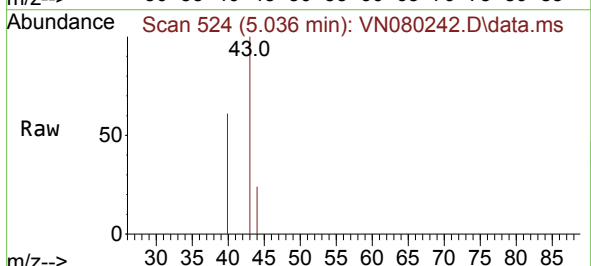
Instrument :
MSVOA_N
ClientSampleId :

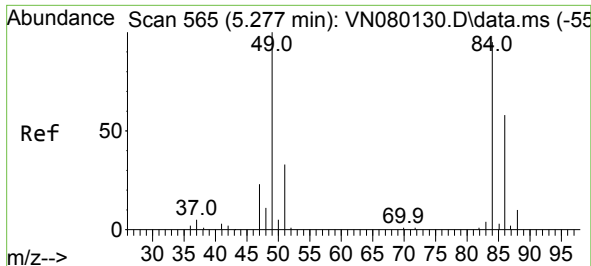
Tgt Ion: 43 Resp: 31054
Ion Ratio Lower Upper
43 100
58 37.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.705 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Tgt Ion: 43 Resp: 1863
Ion Ratio Lower Upper
43 100
74 10.6 26.2 39.4#





#20

Methylene Chloride

Concen: 22.293 ug/l

RT: 5.289 min Scan# 5

Delta R.T. 0.012 min

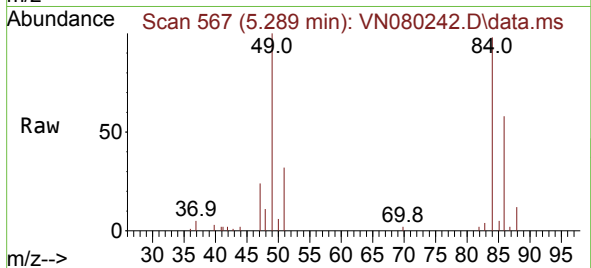
Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 38394

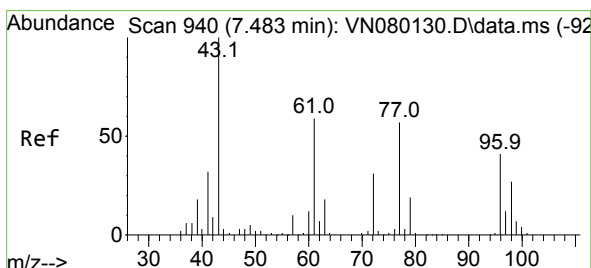
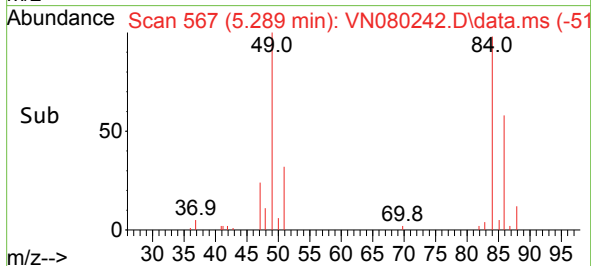
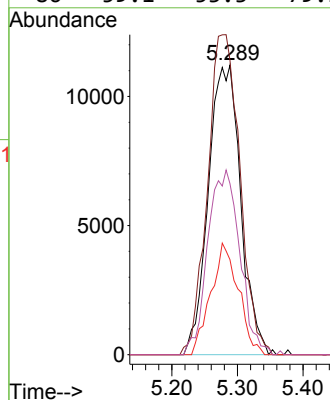
Ion Ratio Lower Upper

84 100

49 101.8 79.7 119.5

51 32.8 25.2 37.8

86 59.1 53.3 79.9



#25

2-Butanone

Concen: 2.002 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.018 min

Lab File: VN080242.D

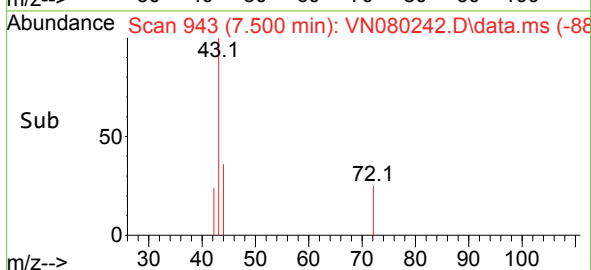
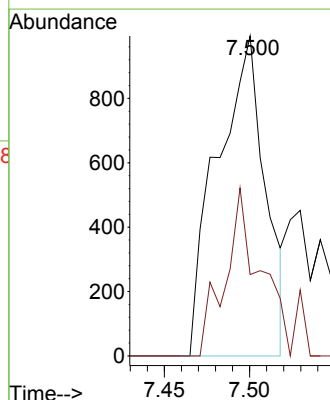
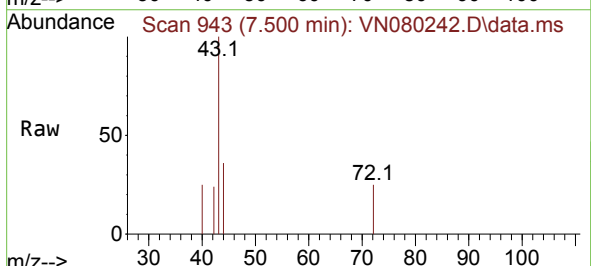
Acq: 22 Nov 2023 12:54

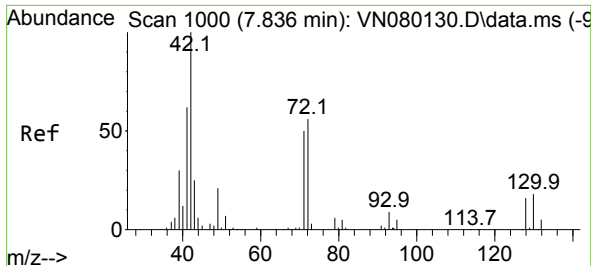
Tgt Ion: 43 Resp: 1956

Ion Ratio Lower Upper

43 100

72 25.5 30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.261 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.023 min

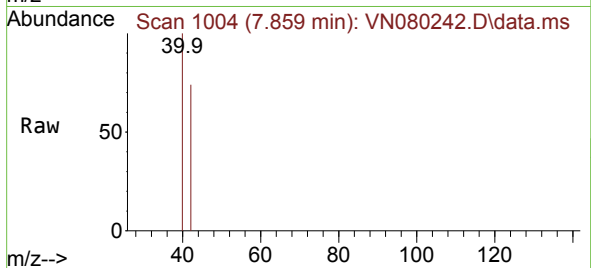
Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

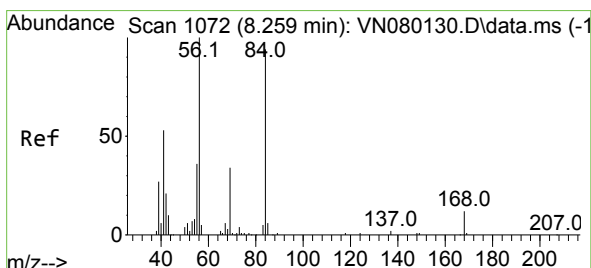
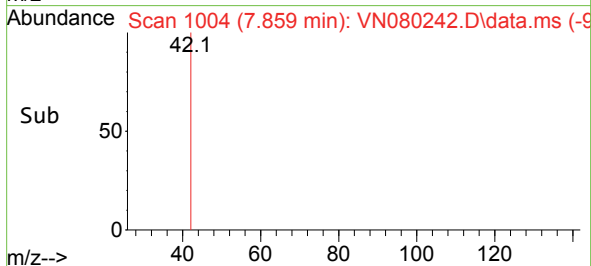
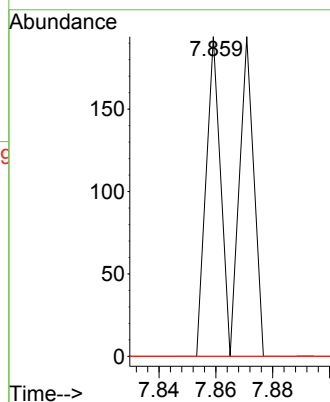
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	137
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.296 ug/l

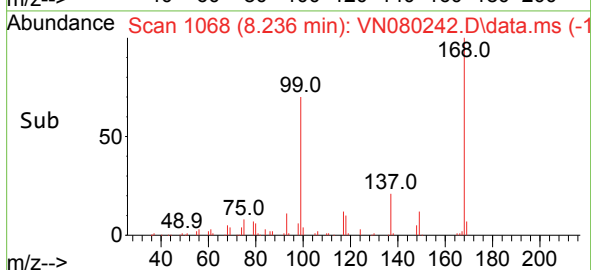
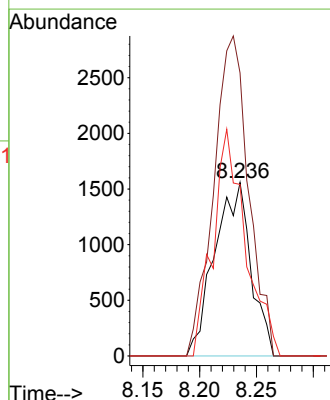
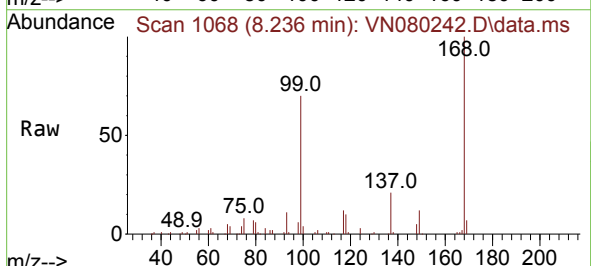
RT: 8.236 min Scan# 1068

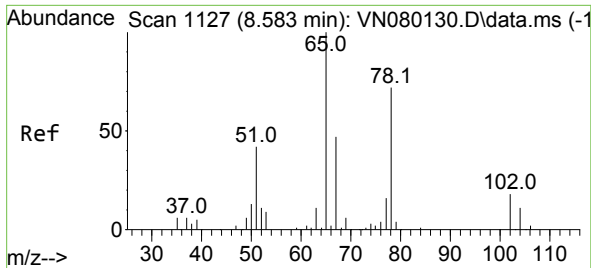
Delta R.T. -0.024 min

Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

Tgt Ion:	56	Resp:	3450
Ion	Ratio	Lower	Upper
56	100		
69	163.1	26.8	40.2#
84	98.8	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 57.609 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

Instrument :

MSVOA_N

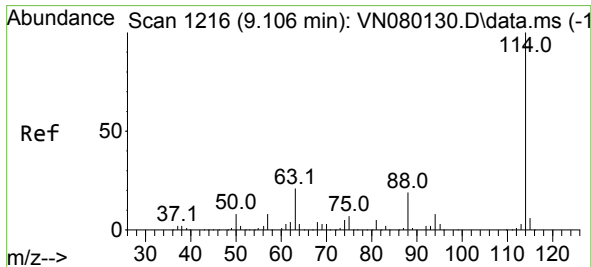
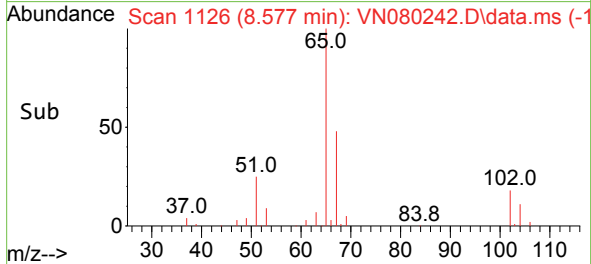
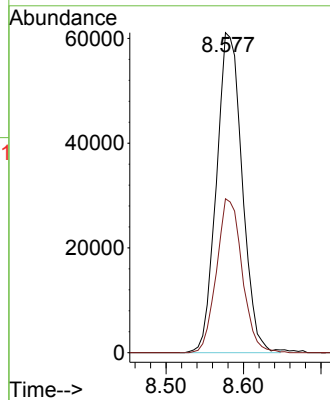
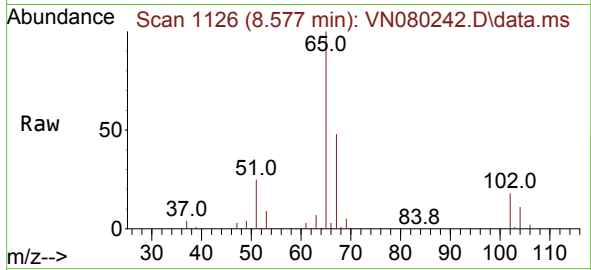
ClientSampleId :

Tgt Ion: 65 Resp: 141057

Ion Ratio Lower Upper

65 100

67 47.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

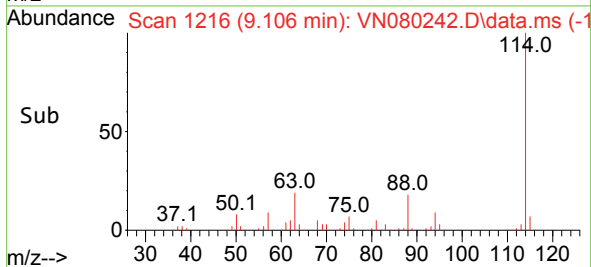
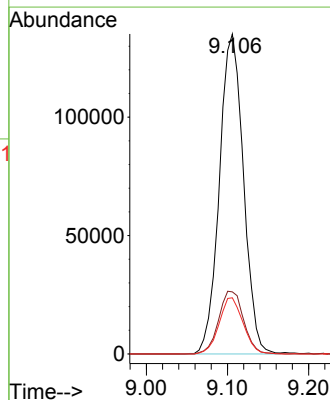
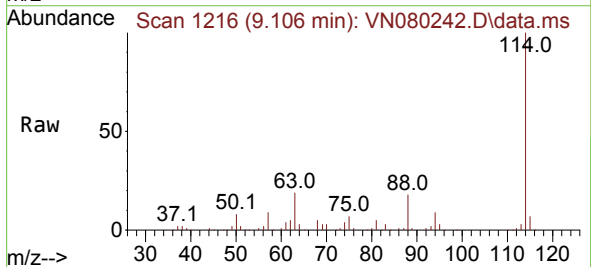
Tgt Ion:114 Resp: 278359

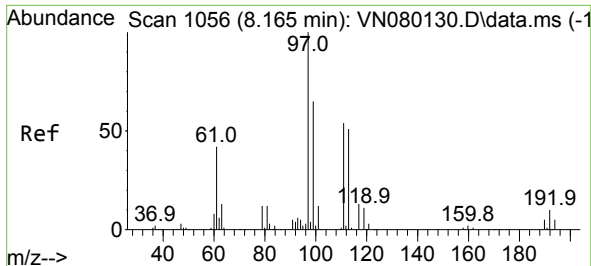
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

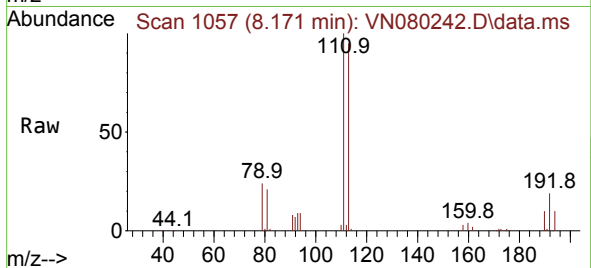
88 17.6 0.0 30.6



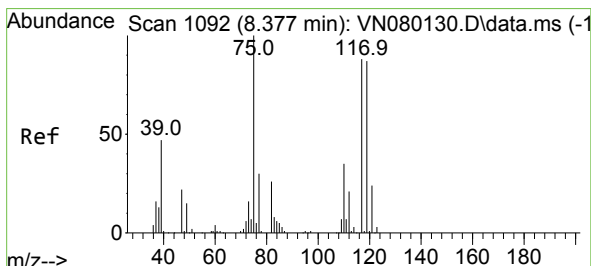
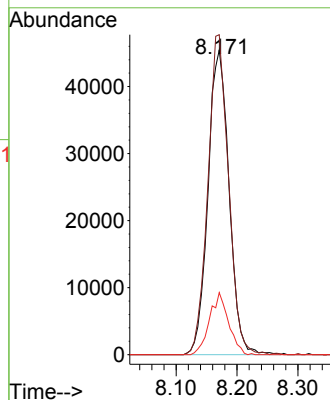
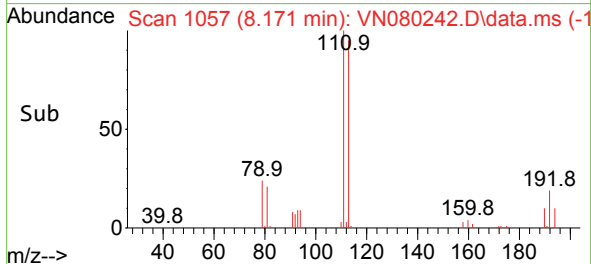


#35
Dibromofluoromethane
Concen: 53.242 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Instrument :
MSVOA_N
ClientSampleId :

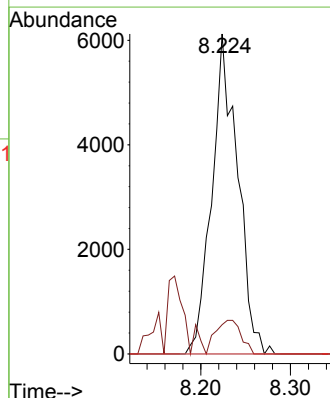
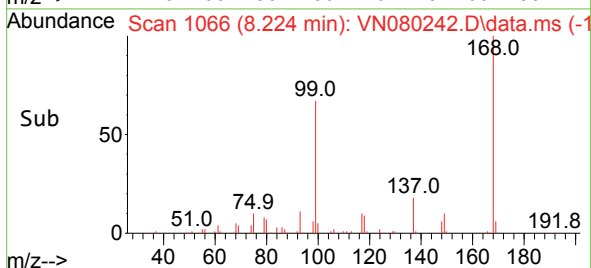
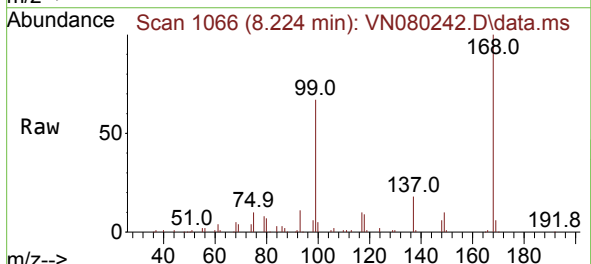


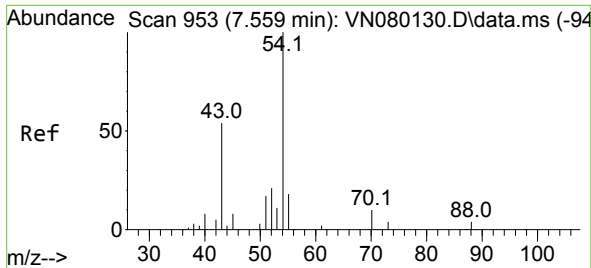
Tgt Ion:113 Resp: 109354
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 18.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.103 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Tgt Ion: 75 Resp: 12201
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 25.0 37.4#

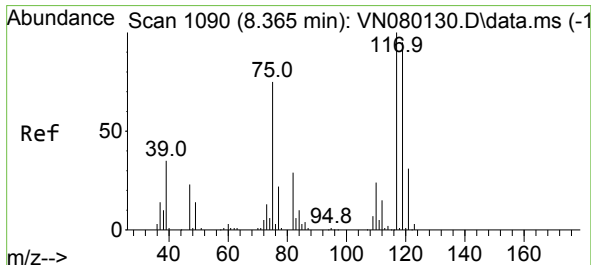
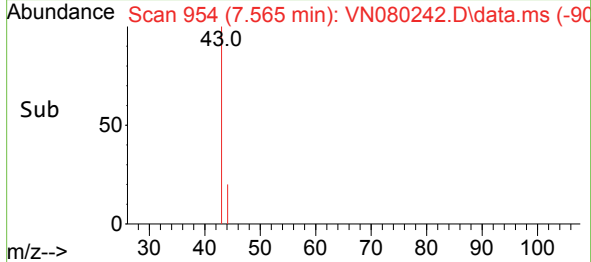
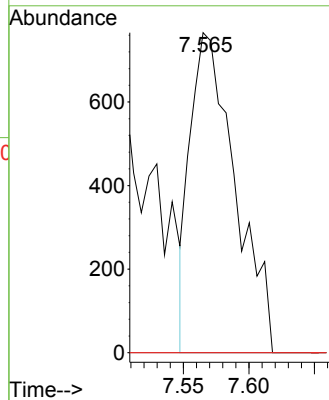
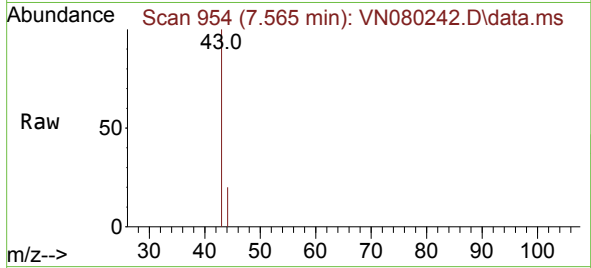




#37
Ethyl Acetate
Concen: 0.884 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

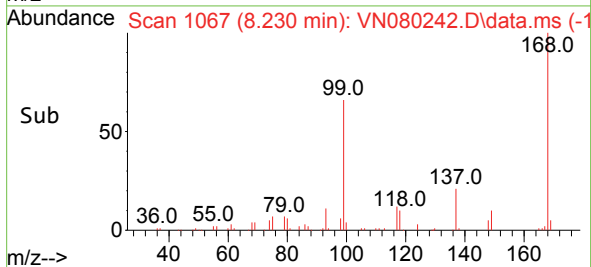
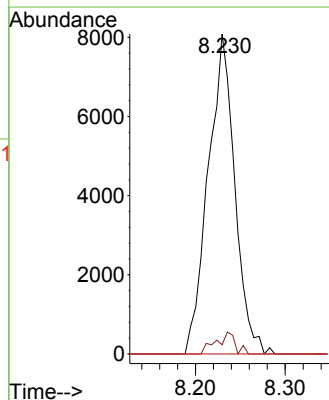
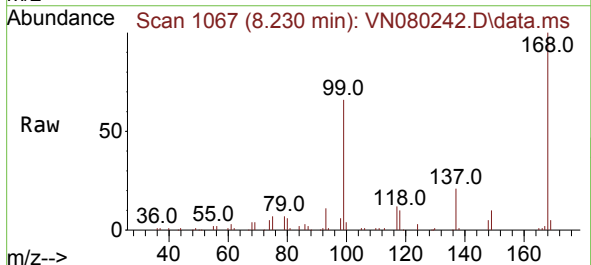
Instrument :
MSVOA_N
ClientSampleId :

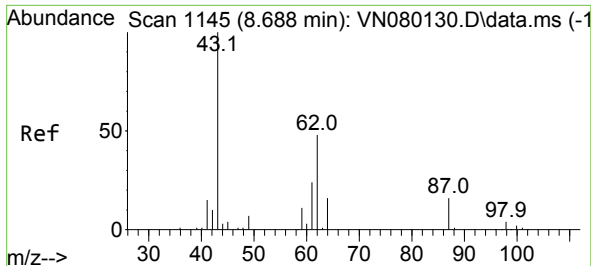
Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.418 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Tgt Ion: 117 Resp: 16671
Ion Ratio Lower Upper
117 100
119 2.9 77.3 115.9#
121 0.0 23.3 34.9#

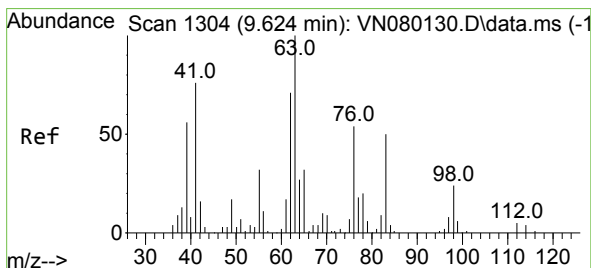
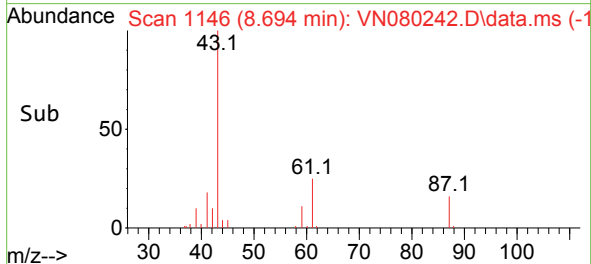
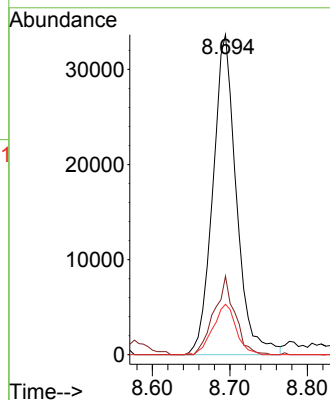
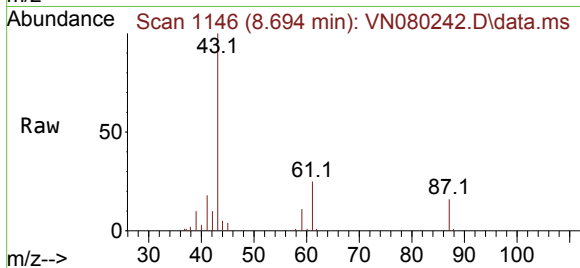




#43
Isopropyl Acetate
Concen: 17.681 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

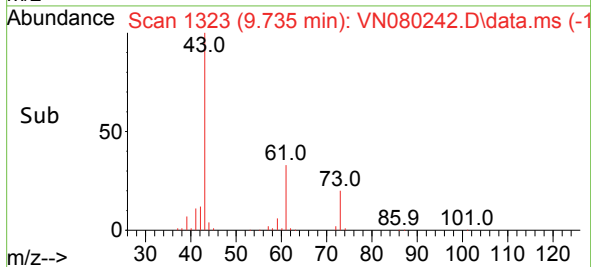
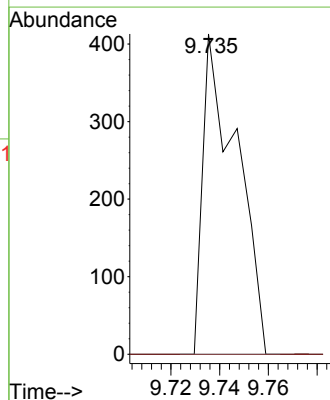
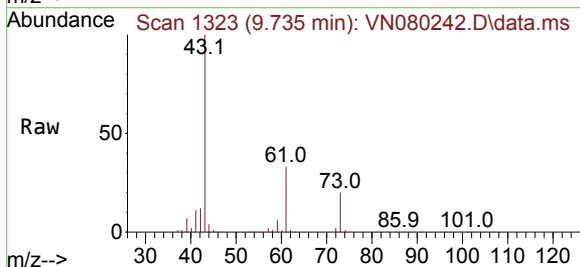
Instrument :
MSVOA_N
ClientSampleId :

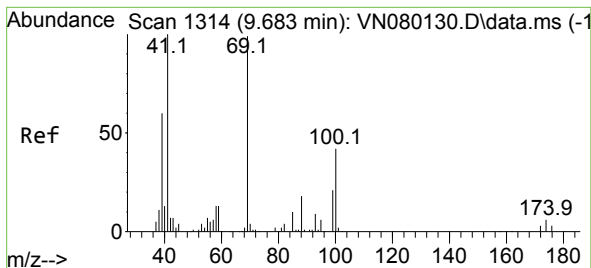
Tgt Ion: 43 Resp: 70970
Ion Ratio Lower Upper
43 100
61 21.6 24.7 37.1#
87 15.4 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.203 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Tgt Ion: 63 Resp: 399
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 0.970 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.012 min

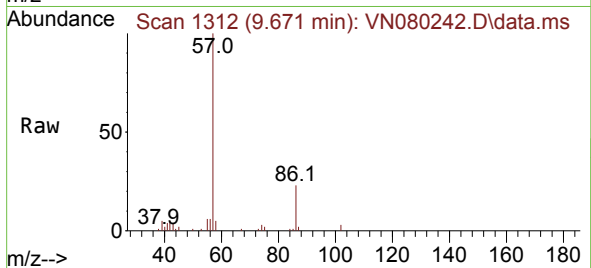
Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

Instrument :

MSVOA_N

ClientSampleId :



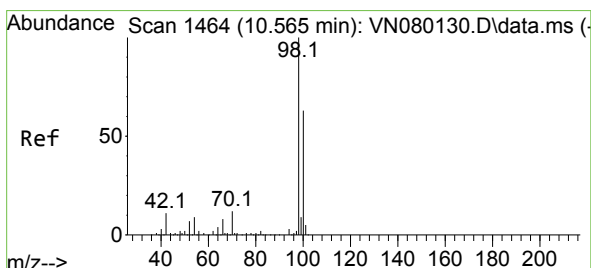
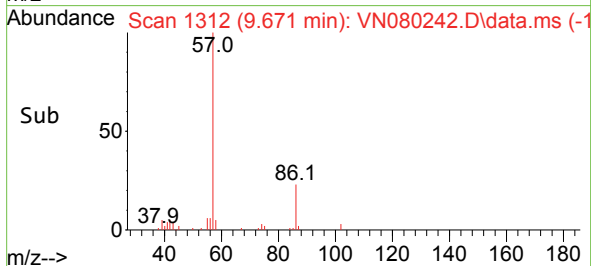
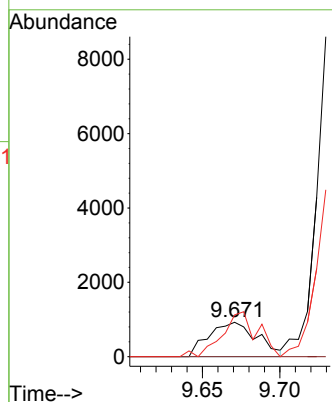
Tgt Ion: 41 Resp: 2007

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 95.7 54.6 81.8#



#50

Toluene-d8

Concen: 53.701 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080242.D

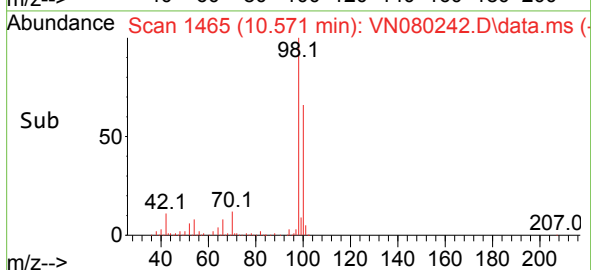
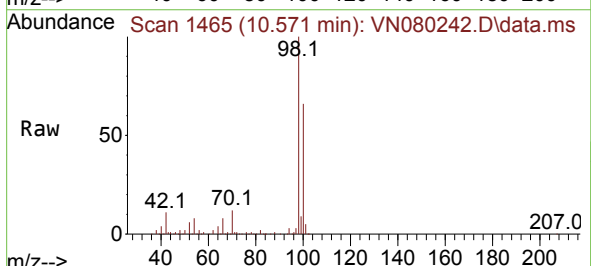
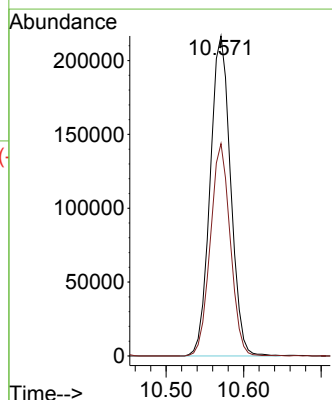
Acq: 22 Nov 2023 12:54

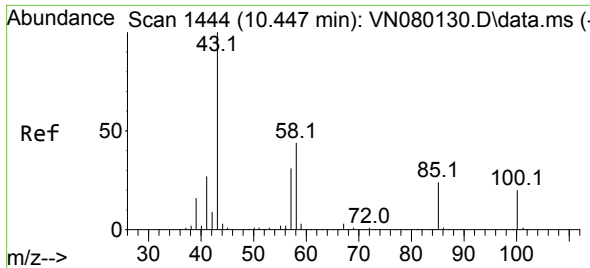
Tgt Ion: 98 Resp: 397601

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

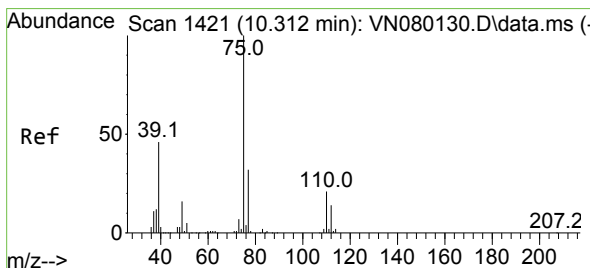
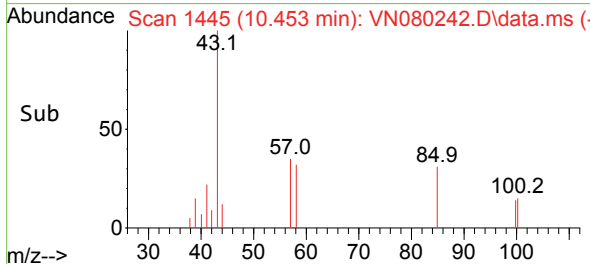
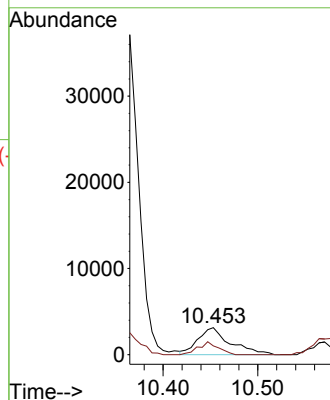
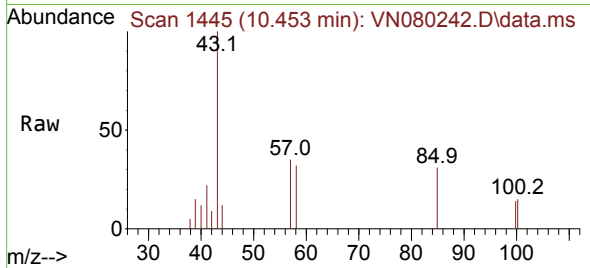




#51
4-Methyl-2-Pentanone
Concen: 3.578 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

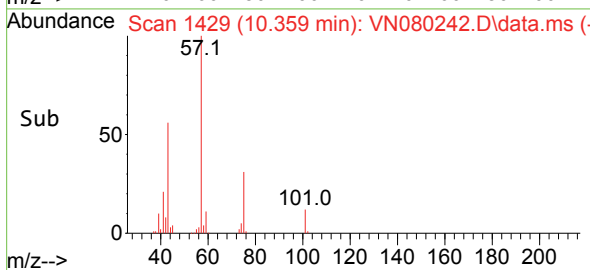
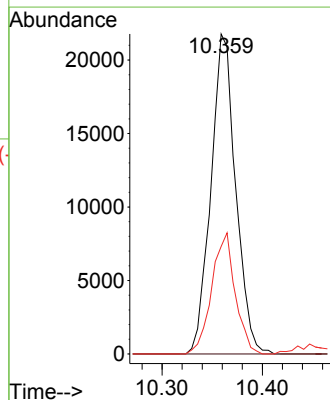
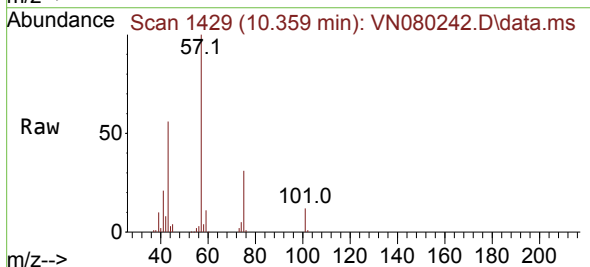
Instrument :
MSVOA_N
ClientSampleId :

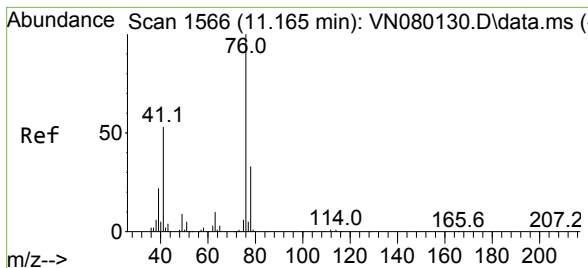
Tgt Ion: 43 Resp: 7436
Ion Ratio Lower Upper
43 100
58 29.6 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 10.872 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

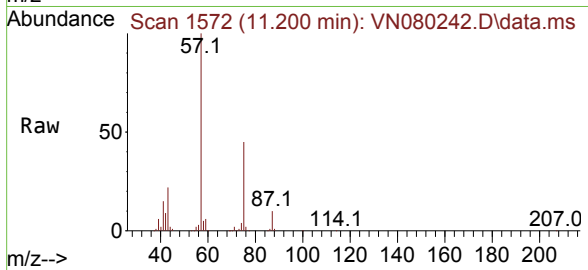
Tgt Ion: 75 Resp: 37321
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 33.6 31.6 47.4



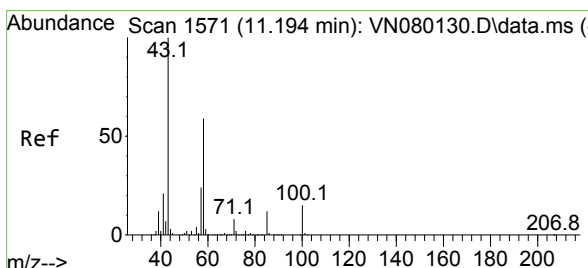
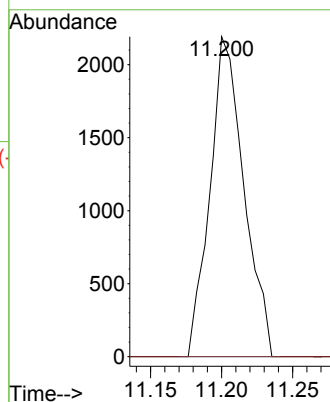
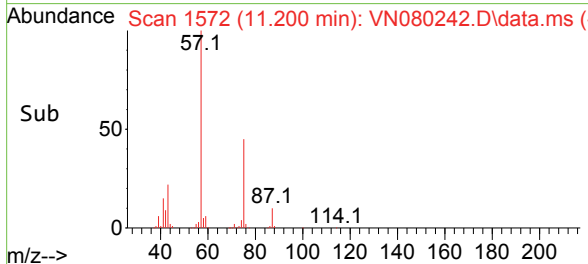


#57
1,3-Dichloropropane
Concen: 1.034 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.035 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

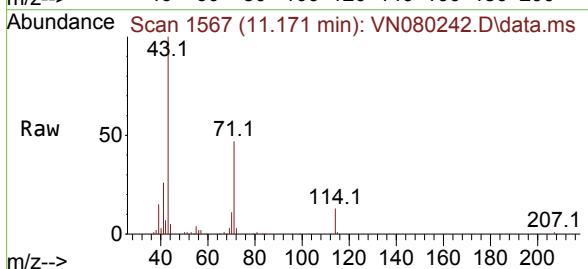
Instrument :
MSVOA_N
ClientSampleId :



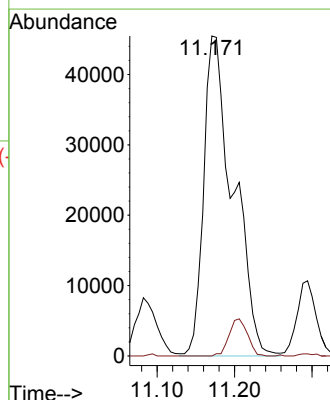
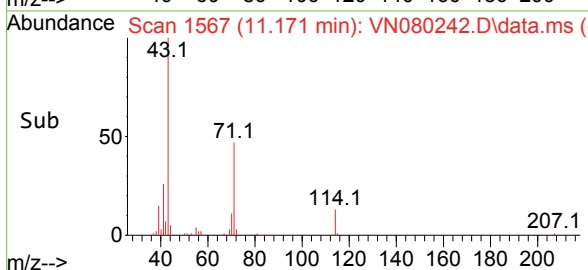
Tgt Ion: 76 Resp: 3646
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

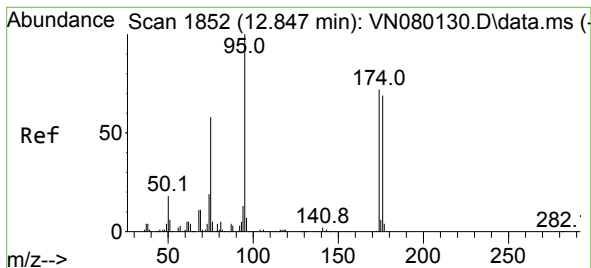


#59
2-Hexanone
Concen: 72.218 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54



Tgt Ion: 43 Resp: 120594
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

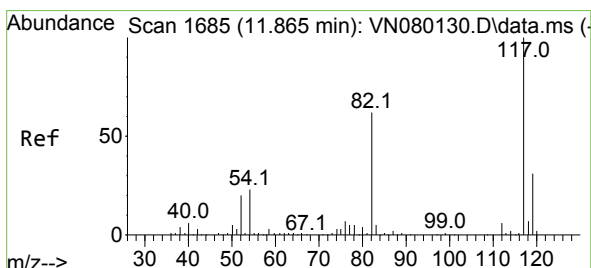
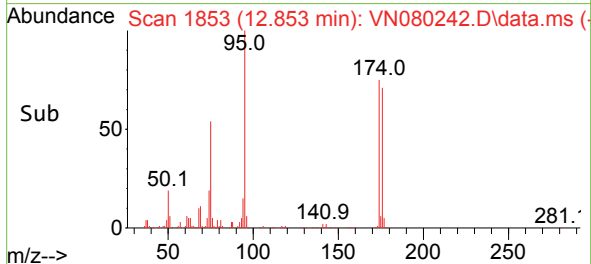
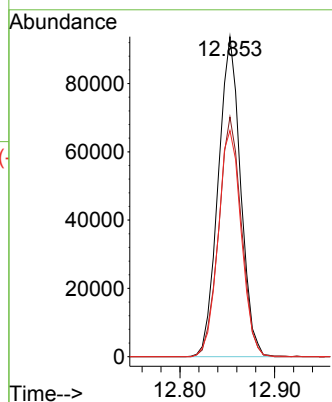
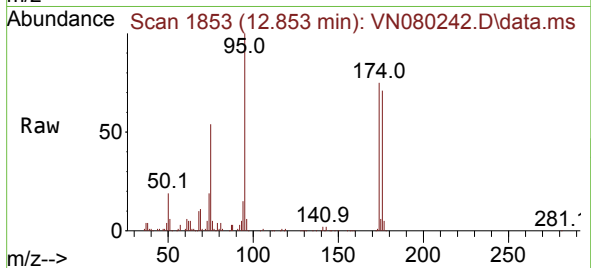




#62
4-Bromofluorobenzene
Concen: 55.086 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

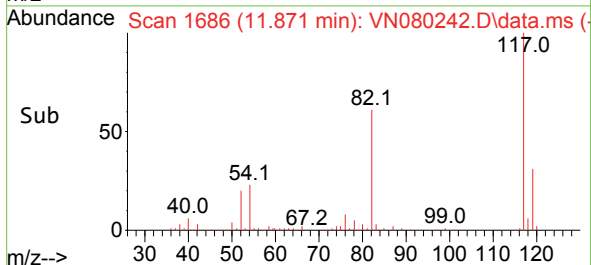
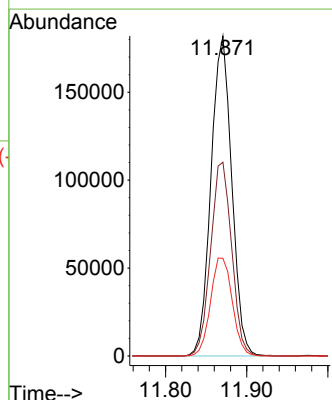
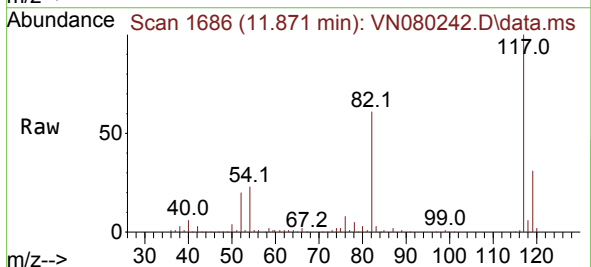
Instrument :
MSVOA_N
ClientSampleId :

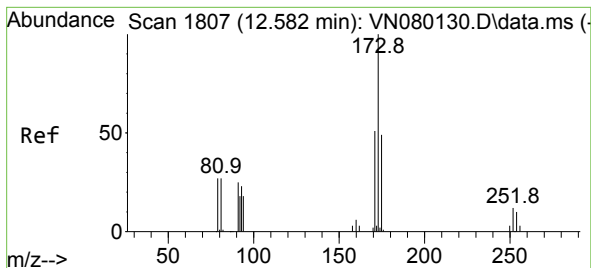
Tgt Ion: 95 Resp: 154055
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 72.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Tgt Ion: 117 Resp: 322624
Ion Ratio Lower Upper
117 100
82 60.6 44.0 66.0
119 30.5 25.6 38.4





#71

Bromoform

Concen: 0.550 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

Instrument :

MSVOA_N

ClientSampleId :

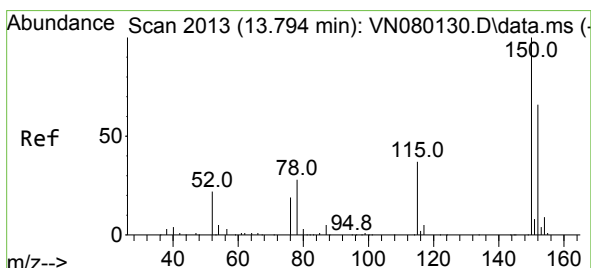
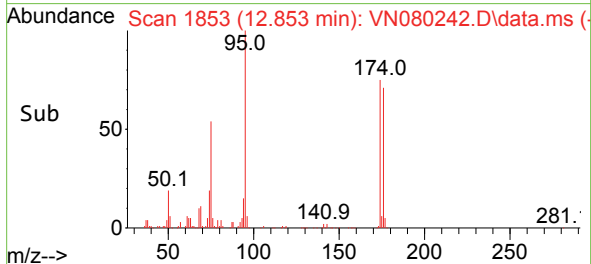
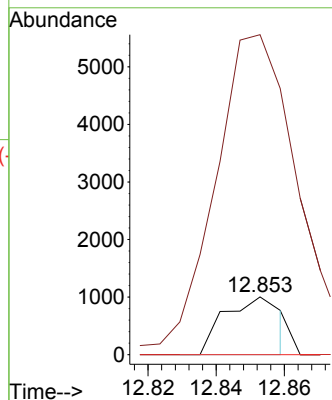
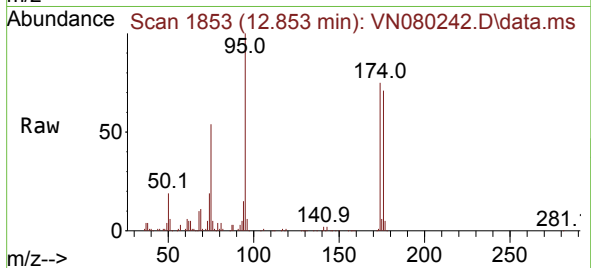
Tgt Ion:173 Resp: 1157

Ion Ratio Lower Upper

173 100

175 660.7 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080242.D

Acq: 22 Nov 2023 12:54

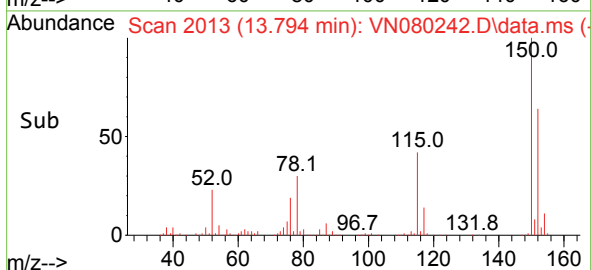
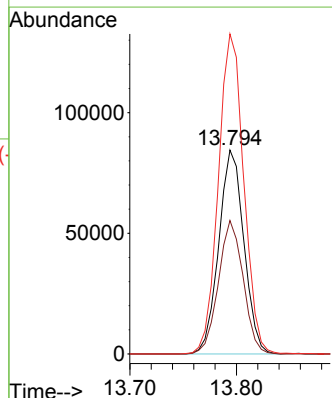
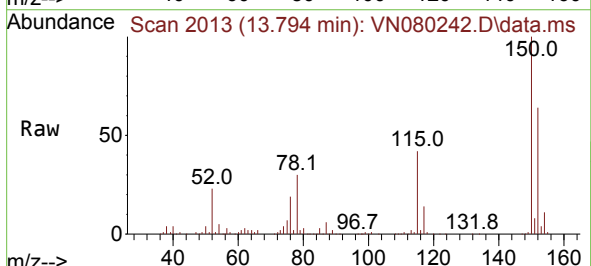
Tgt Ion:152 Resp: 138457

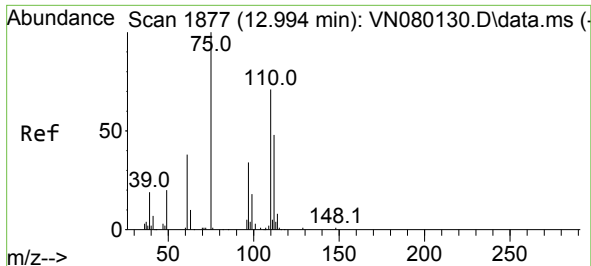
Ion Ratio Lower Upper

152 100

115 64.3 32.3 96.8

150 158.5 0.0 355.8

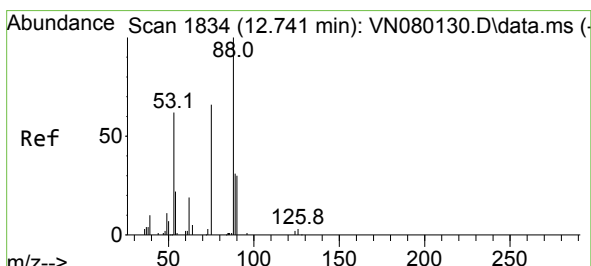
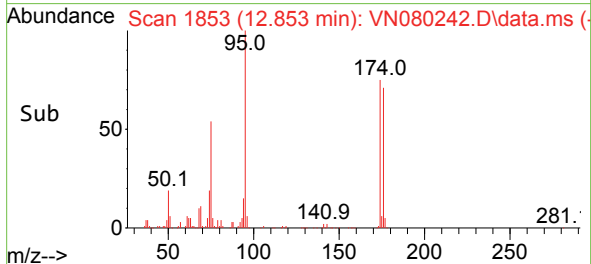
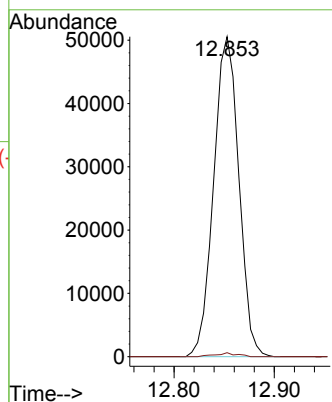
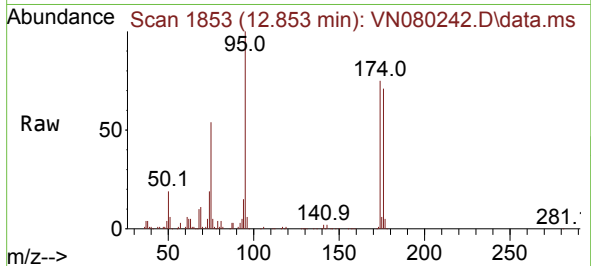




#76
1,2,3-Trichloropropane
Concen: 25.977 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

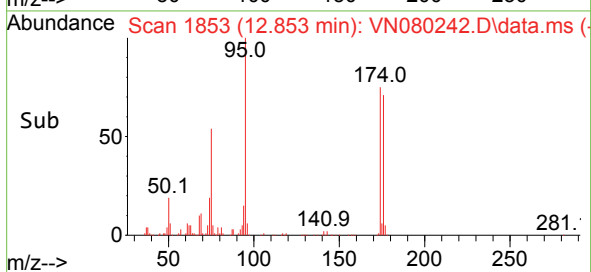
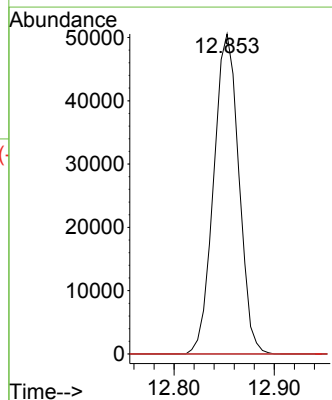
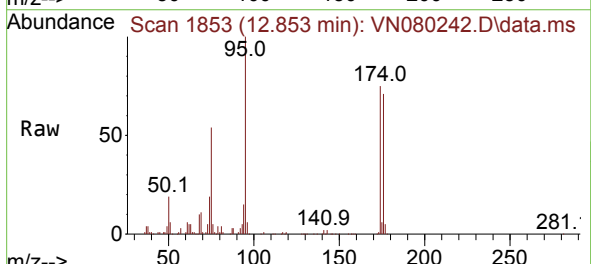
Instrument :
MSVOA_N
ClientSampleId :

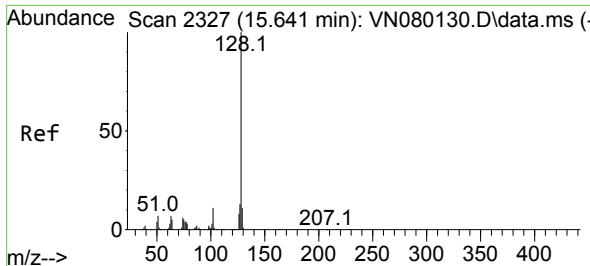
Tgt Ion: 75 Resp: 88126
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.766 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Tgt Ion: 75 Resp: 88126
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

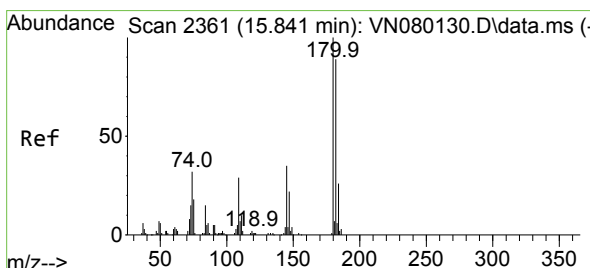
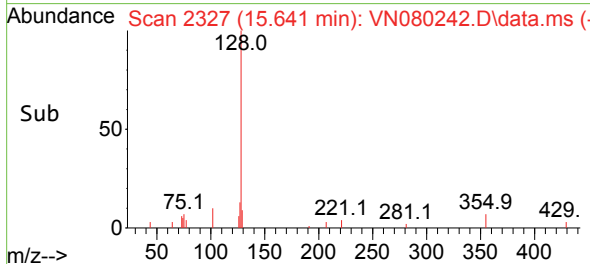
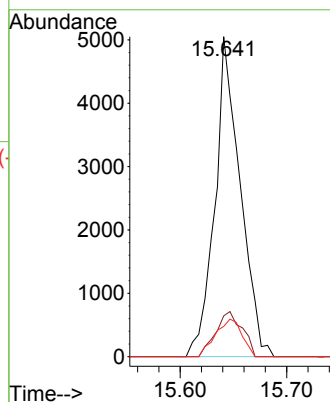
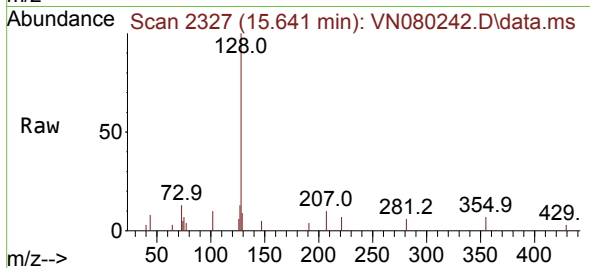




#95
Naphthalene
Concen: 1.057 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128	Resp:	8334
Ion Ratio	Lower	Upper
128	100	
127	14.7	10.0 15.0
129	12.3	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.322 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.012 min
Lab File: VN080242.D
Acq: 22 Nov 2023 12:54

Tgt Ion:180	Resp:	820
Ion Ratio	Lower	Upper
180	100	
182	59.8	46.2 138.6
145	6.5	17.5 52.6#

