

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079547.D
 Acq On : 12 Oct 2023 15:59
 Operator : JC\MD
 Sample : 04858-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:21:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

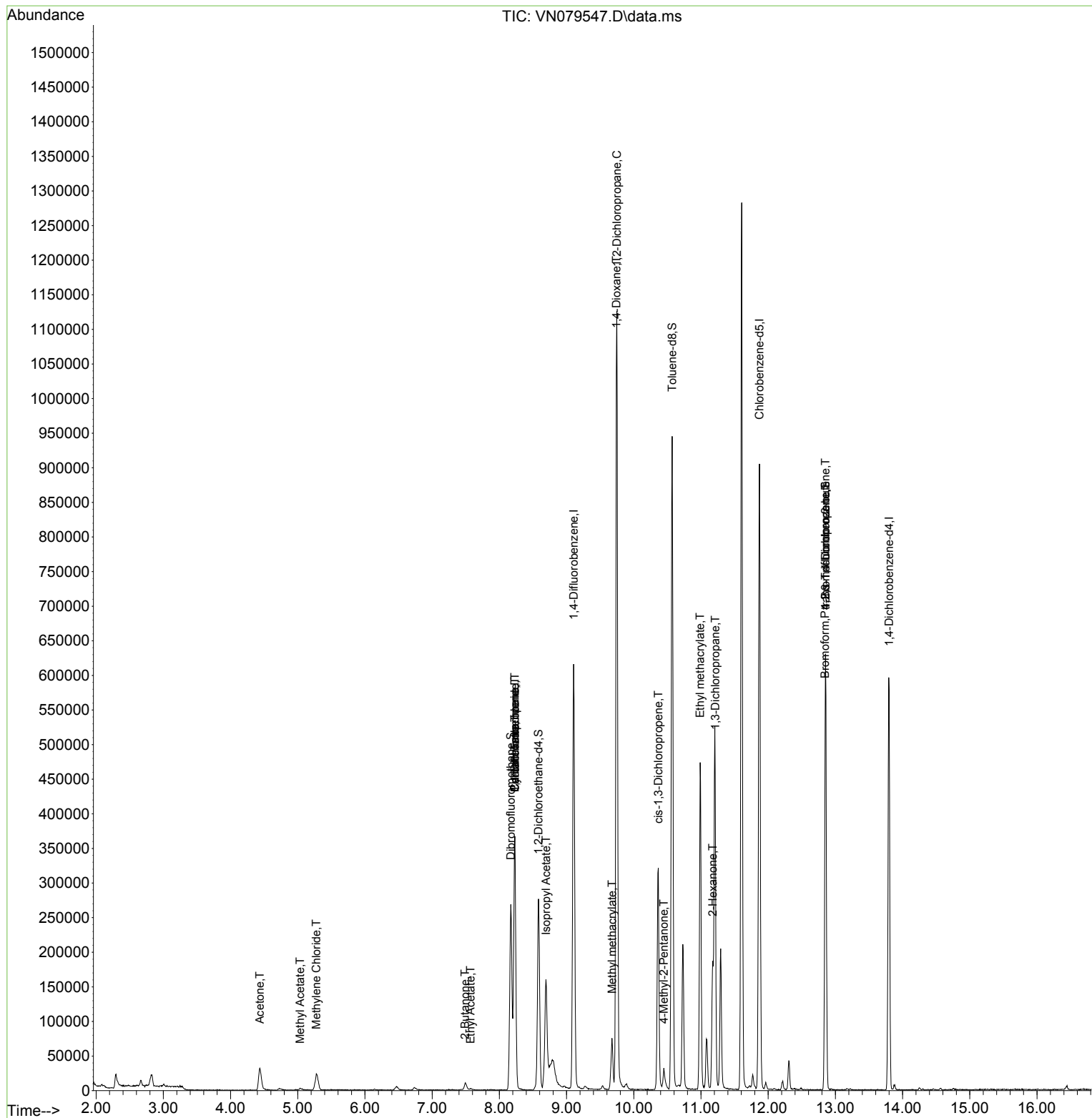
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	252860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	511717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	508827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	155628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	215855	52.648	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.300%
35) Dibromofluoromethane	8.171	113	189452	51.518	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.040%
50) Toluene-d8	10.571	98	624824	46.959	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.920%
62) 4-Bromofluorobenzene	12.853	95	204182	47.816	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.640%
Target Compounds						Qvalue
16) Acetone	4.436	43	61883	38.054	ug/l	94
18) Methyl Acetate	5.036	43	4995	0.628	ug/l #	69
20) Methylene Chloride	5.277	84	17606	4.395	ug/l #	89
25) 2-Butanone	7.488	43	17479	7.242	ug/l #	73
31) Cyclohexane	8.230	56	7363	1.266	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	23624	4.280	ug/l #	47
37) Ethyl Acetate	7.571	43	3950	0.719	ug/l #	68
38) Carbon Tetrachloride	8.230	117	28631	5.182	ug/l #	18
43) Isopropyl Acetate	8.694	43	198260	20.606	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1343	0.311	ug/l #	45
48) Methyl methacrylate	9.677	41	4654	1.129	ug/l #	29
49) 1,4-Dioxane	9.741	88	64	0.843	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	23232	4.277	ug/l #	77
54) cis-1,3-Dichloropropene	10.365	75	54065	8.518	ug/l #	73
56) Ethyl methacrylate	10.988	69	2436	0.458	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	5345	0.799	ug/l #	42
59) 2-Hexanone	11.176	43	145741	37.186	ug/l #	19
71) Bromoform	12.847	173	791	0.260	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.865	83	211	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	115480	25.736	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115480	74.673	ug/l #	15

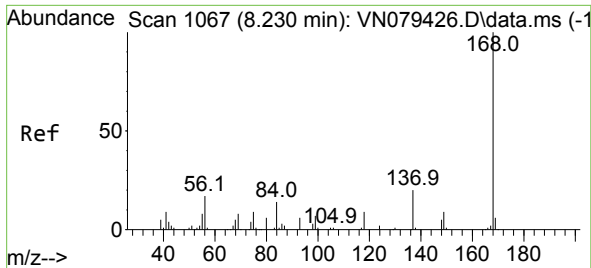
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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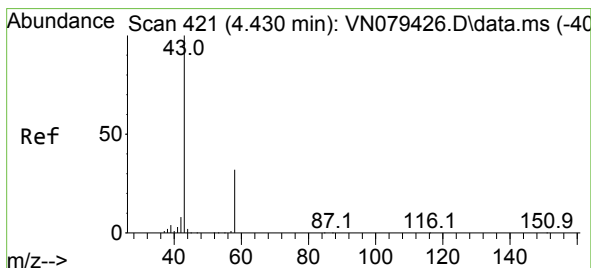
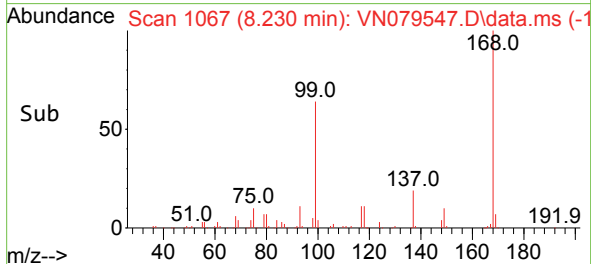
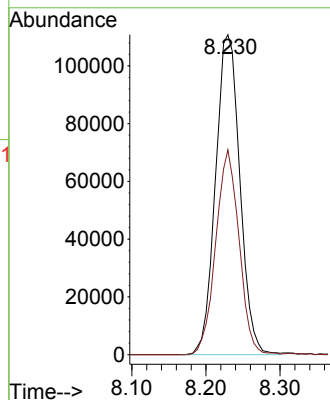
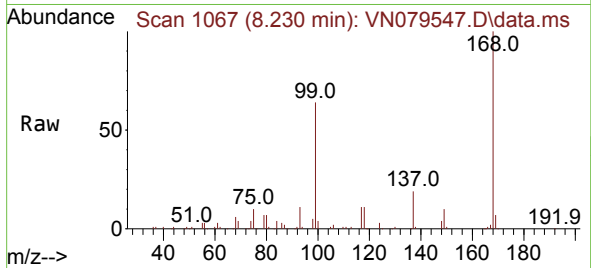




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

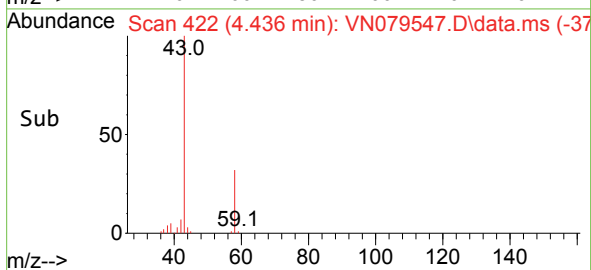
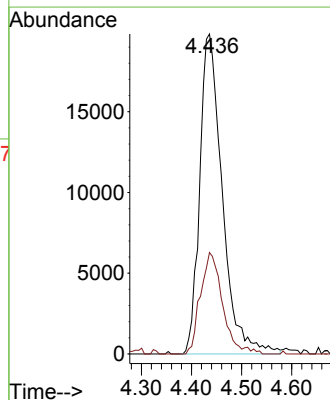
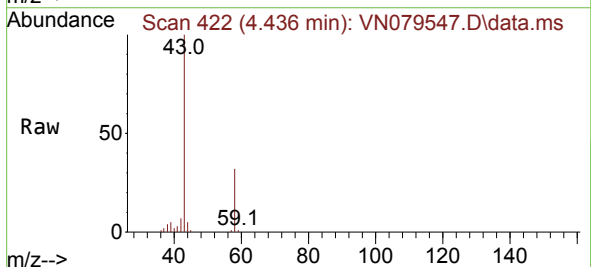
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MSVOA_N
ClientSampleId :

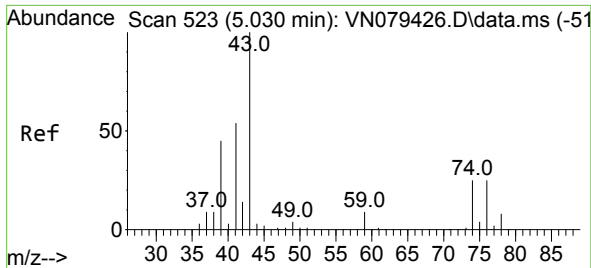
Tgt Ion:168 Resp: 252860
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#16
Acetone
Concen: 38.054 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

Tgt Ion: 43 Resp: 61883
Ion Ratio Lower Upper
43 100
58 31.7 28.0 42.0

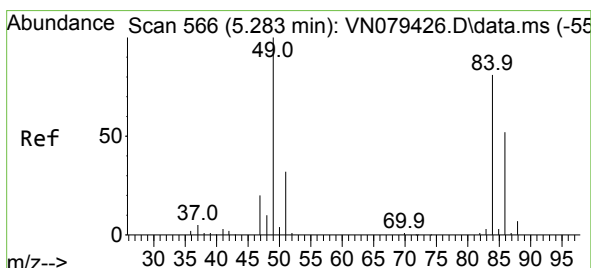
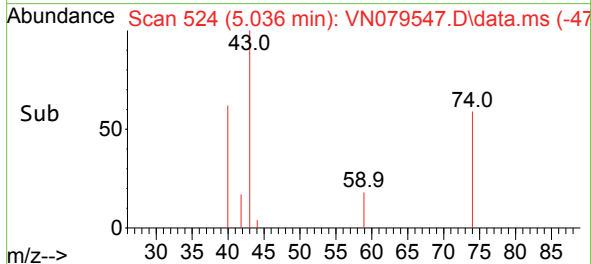
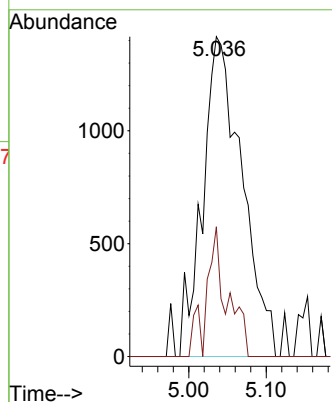
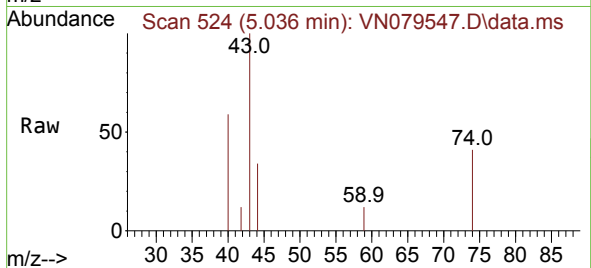




#18
Methyl Acetate
Concen: 0.628 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

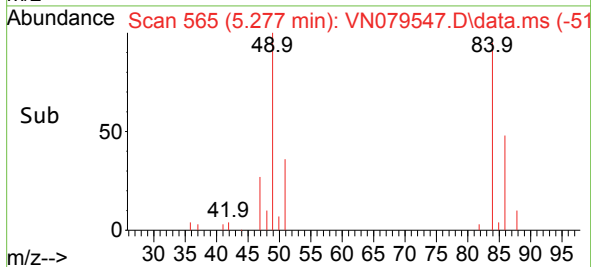
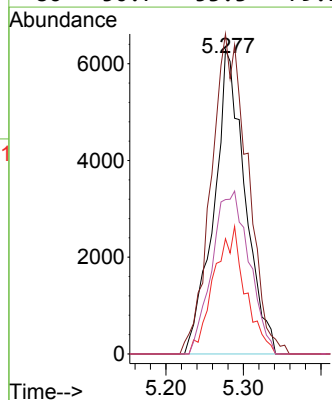
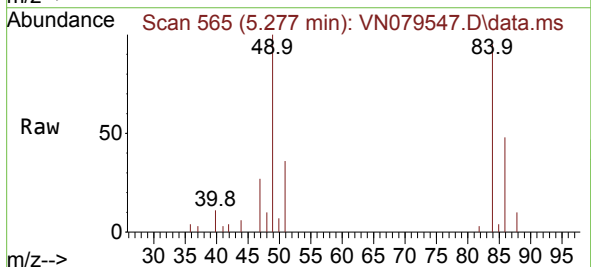
Instrument :
MSVOA_N
ClientSampleId :

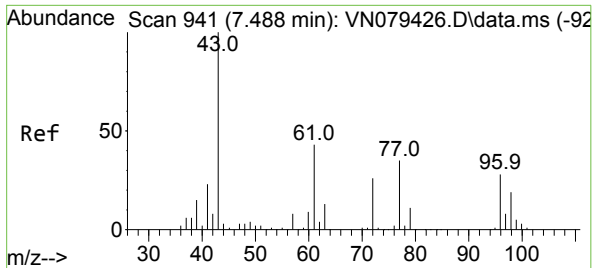
Tgt Ion: 43 Resp: 4995
Ion Ratio Lower Upper
43 100
74 15.5 26.2 39.4#



#20
Methylene Chloride
Concen: 4.395 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

Tgt Ion: 84 Resp: 17606
Ion Ratio Lower Upper
84 100
49 105.1 79.7 119.5
51 37.9 25.2 37.8#
86 50.7 53.3 79.9#

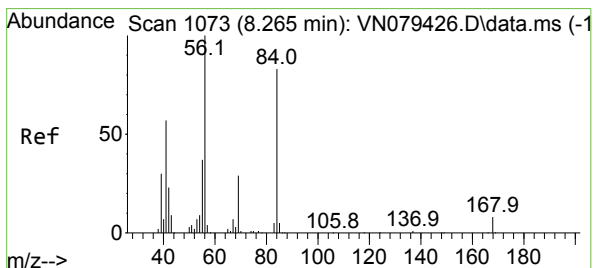
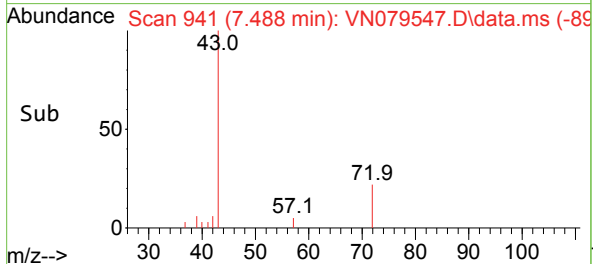
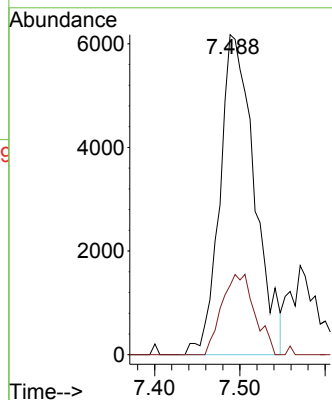
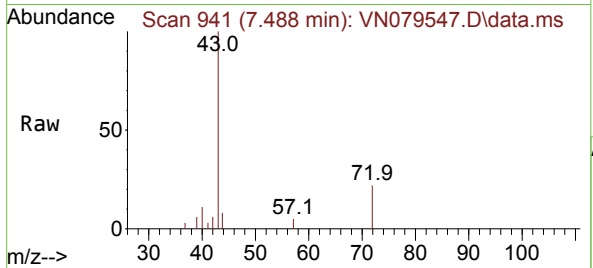




#25
2-Butanone
Concen: 7.242 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

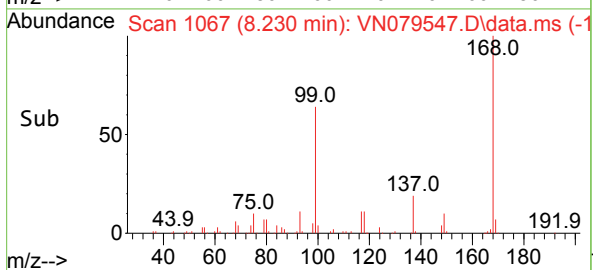
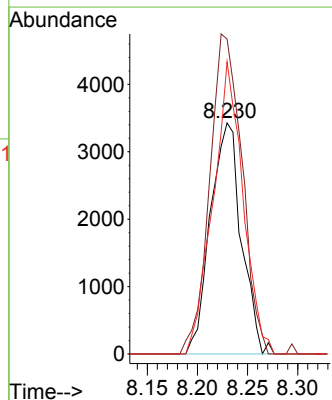
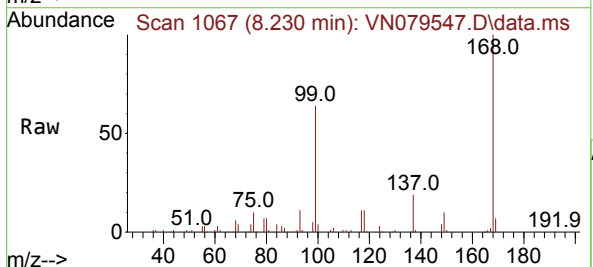
Instrument :
MSVOA_N
ClientSampleId :

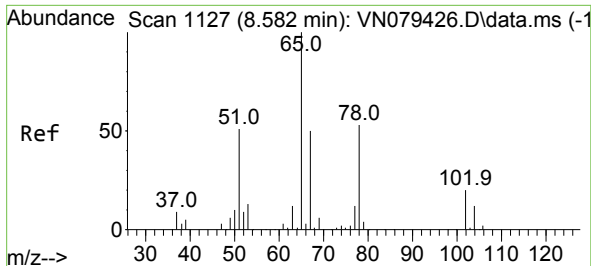
Tgt Ion: 43 Resp: 17479
Ion Ratio Lower Upper
43 100
72 21.6 30.2 45.2#



#31
Cyclohexane
Concen: 1.266 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

Tgt Ion: 56 Resp: 7363
Ion Ratio Lower Upper
56 100
69 136.3 26.8 40.2#
84 126.5 81.8 122.6#

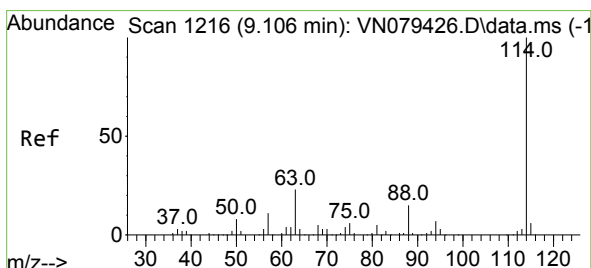
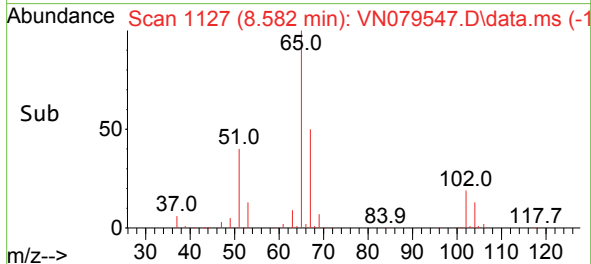
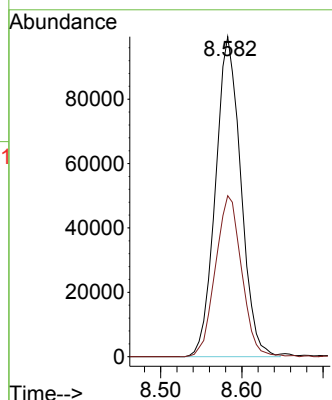
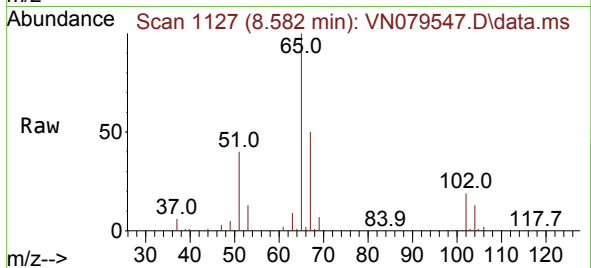




#33
 1,2-Dichloroethane-d4
 Concen: 52.648 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN079547.D
 Acq: 12 Oct 2023 15:59

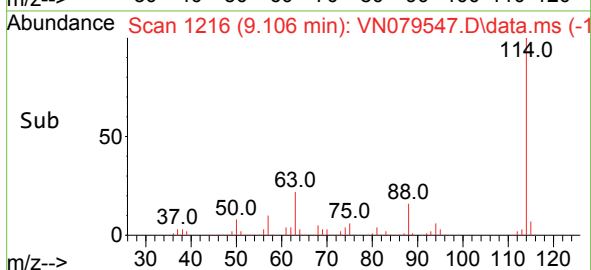
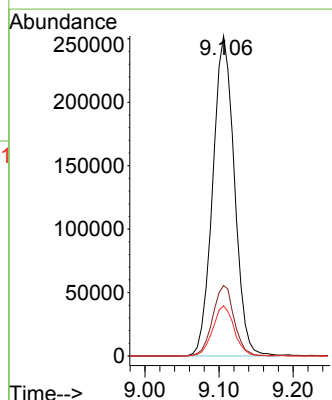
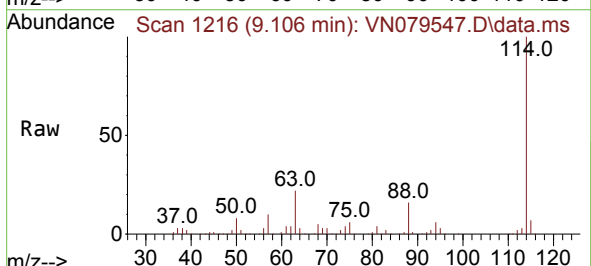
Instrument :
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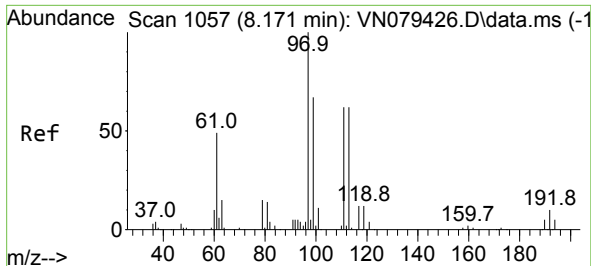
Tgt Ion: 65 Resp: 215855
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN079547.D
 Acq: 12 Oct 2023 15:59

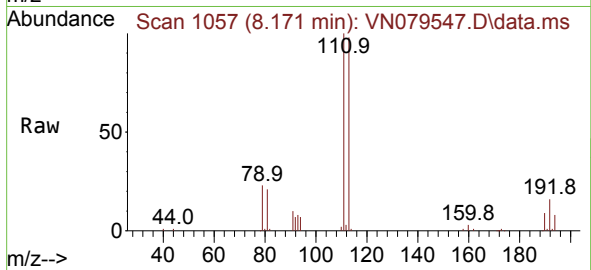
Tgt Ion: 114 Resp: 511717
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 36.4
 88 15.7 0.0 30.6



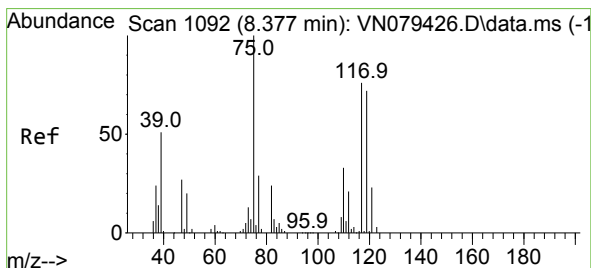
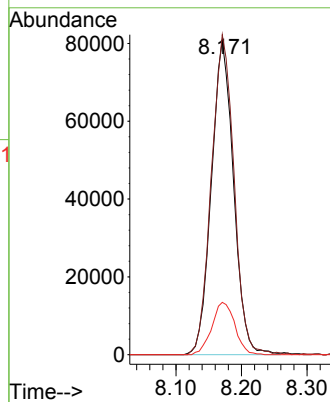
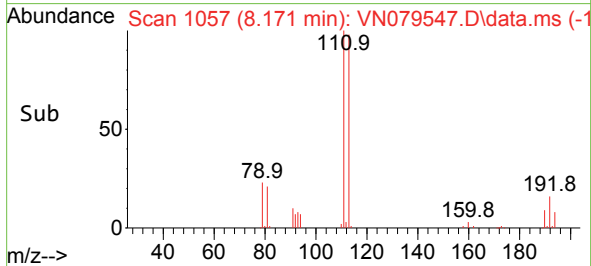


#35
Dibromofluoromethane
Concen: 51.518 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :

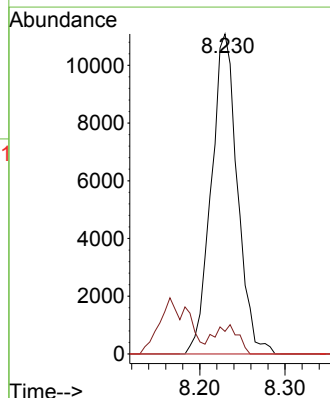
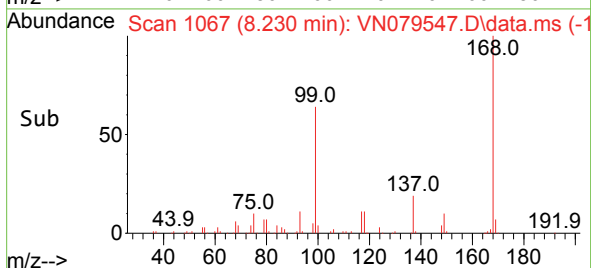
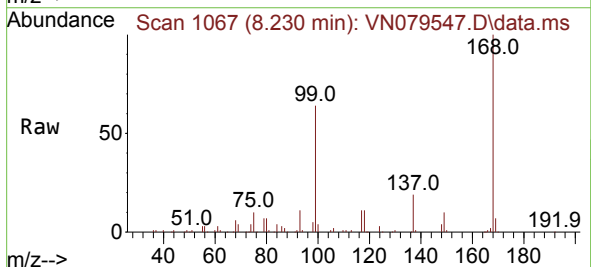


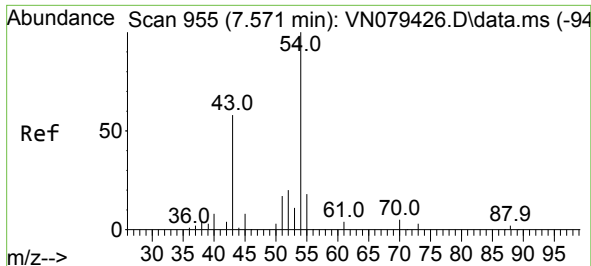
Tgt Ion:113 Resp: 189452
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 17.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.280 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

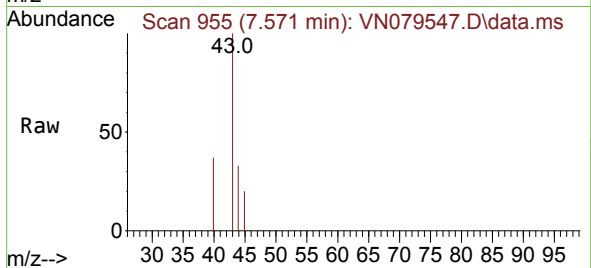
Tgt Ion: 75 Resp: 23624
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



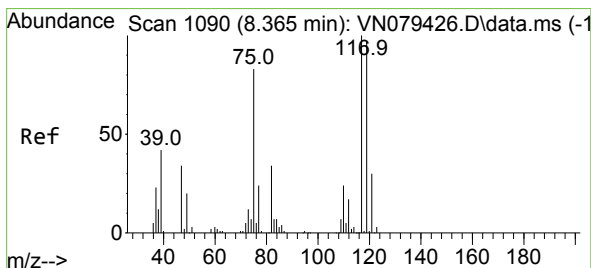
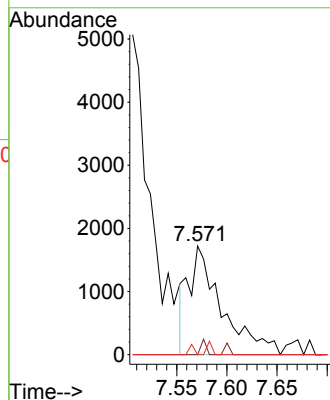
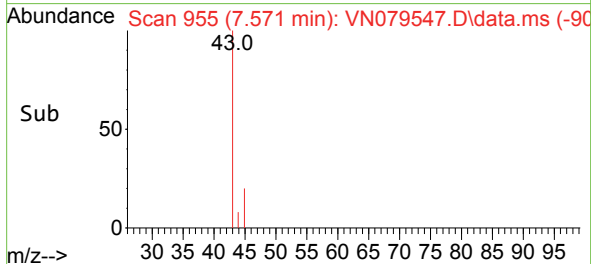


#37
Ethyl Acetate
Concen: 0.719 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

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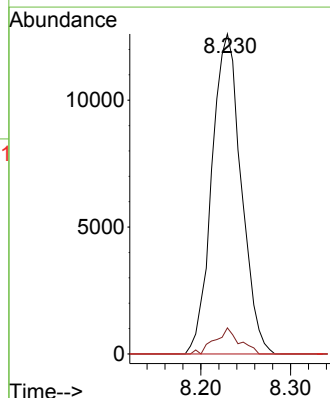
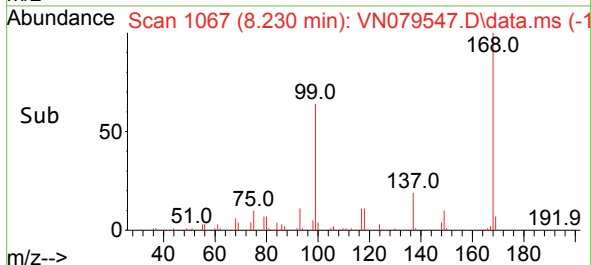
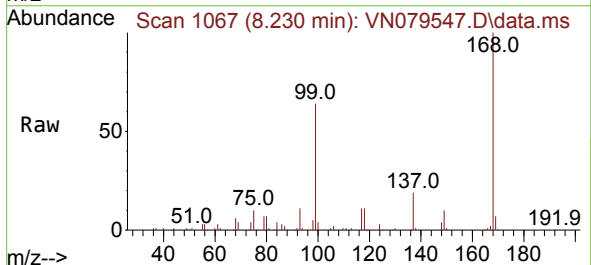


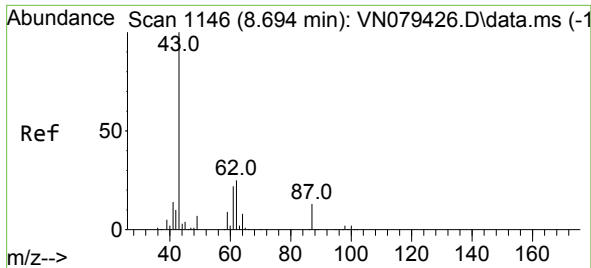
Tgt Ion: 43 Resp: 3950
Ion Ratio Lower Upper
43 100
61 2.2 13.2 19.8#
70 1.9 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.182 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

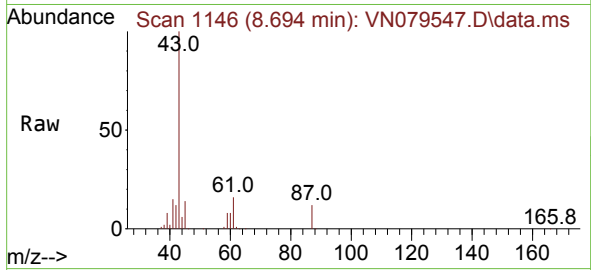
Tgt Ion: 117 Resp: 28631
Ion Ratio Lower Upper
117 100
119 8.1 77.3 115.9#
121 0.0 23.3 34.9#



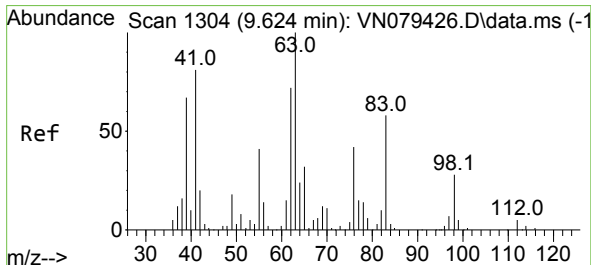
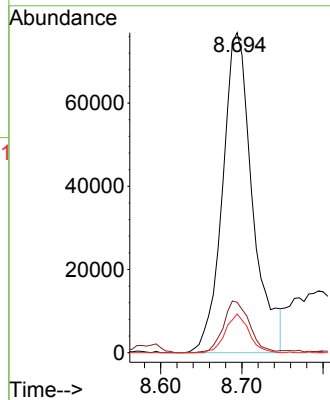
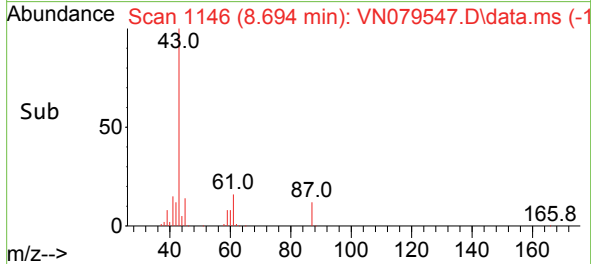


#43
Isopropyl Acetate
Concen: 20.606 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

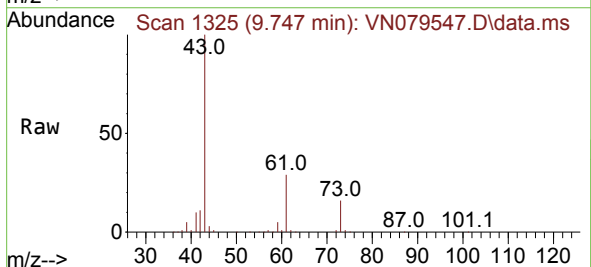
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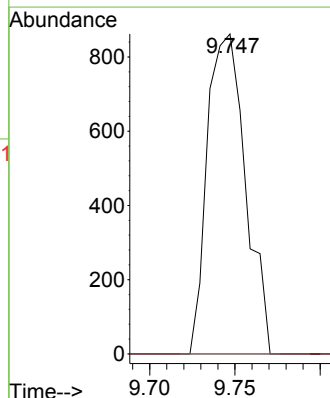
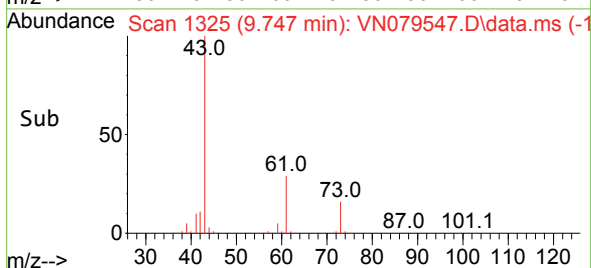
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Ion Ratio Lower Upper
43 100
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87 9.4 14.6 21.8#

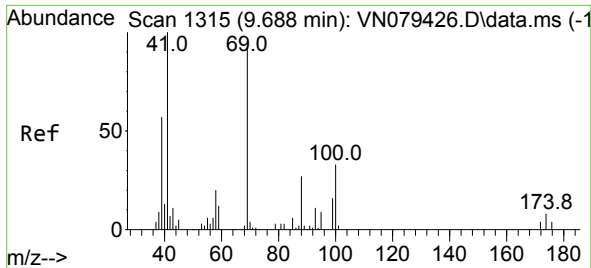


#45
1,2-Dichloropropane
Concen: 0.311 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59



Tgt Ion: 63 Resp: 1343
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

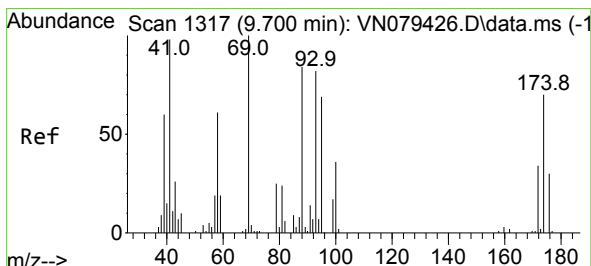
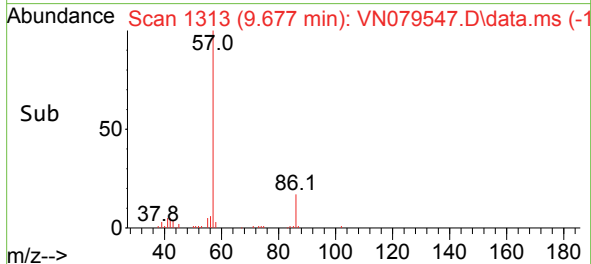
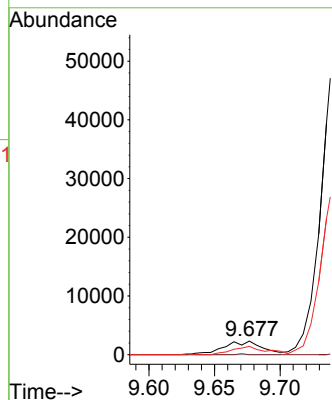
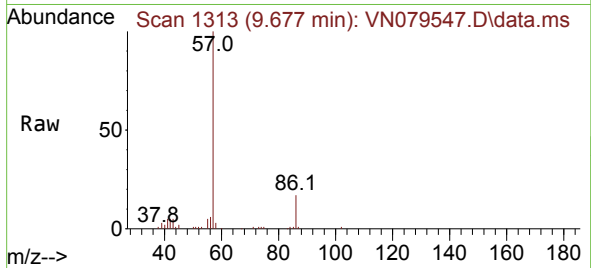




#48
Methyl methacrylate
Concen: 1.129 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

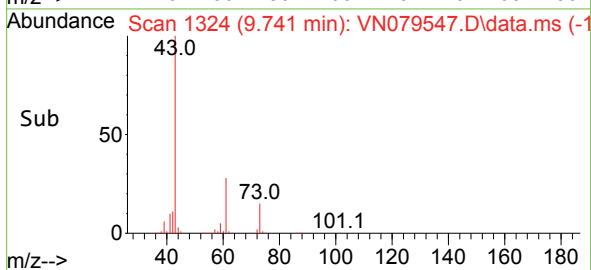
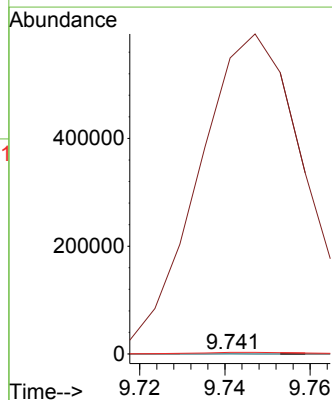
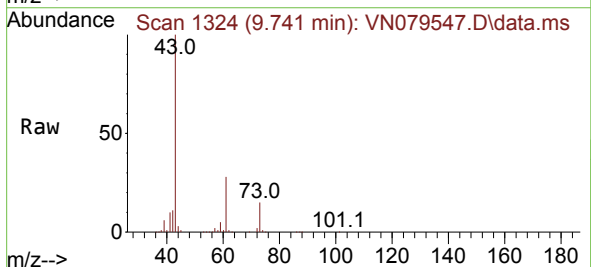
Instrument :
MSVOA_N
ClientSampleId :

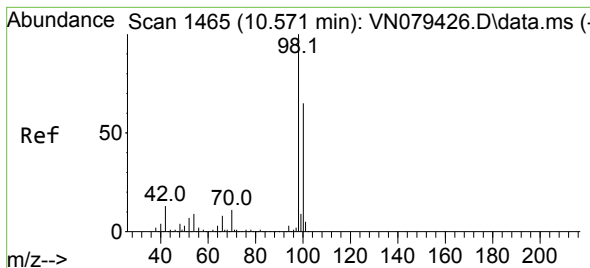
Tgt Ion: 41 Resp: 4654
Ion Ratio Lower Upper
41 100
69 1.2 90.4 135.6#
39 54.7 54.6 81.8



#49
1,4-Dioxane
Concen: 0.843 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1674870.3 17.0 25.6#
58 8175.0 47.0 70.4#

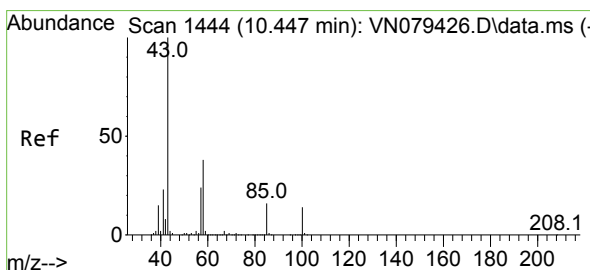
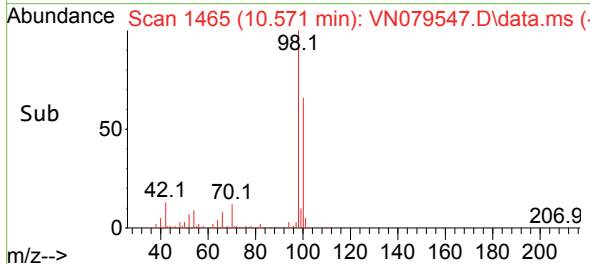
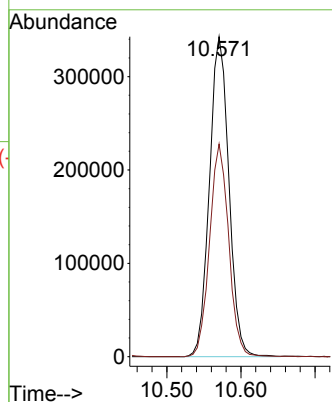
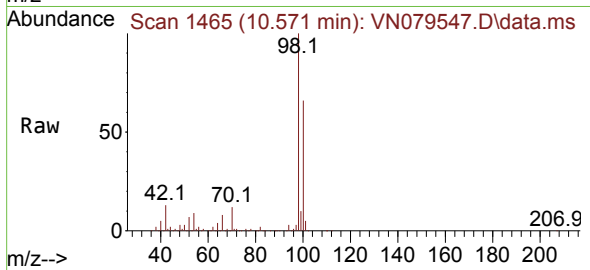




#50
Toluene-d8
Concen: 46.959 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

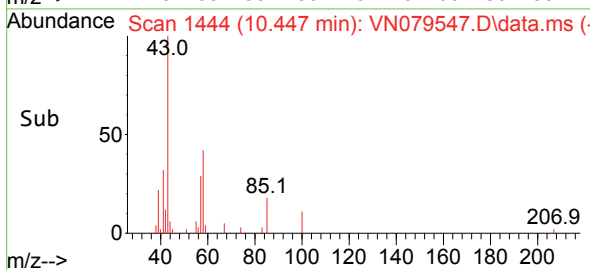
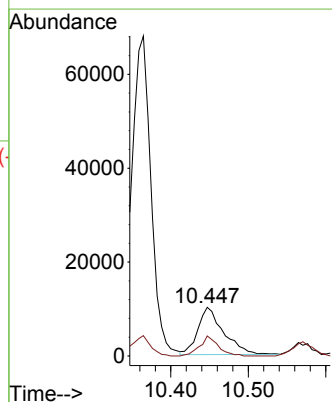
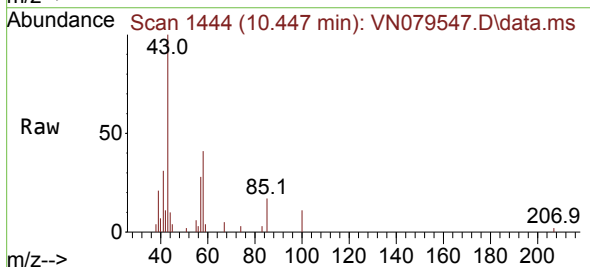
Instrument :
MSVOA_N
ClientSampleId :

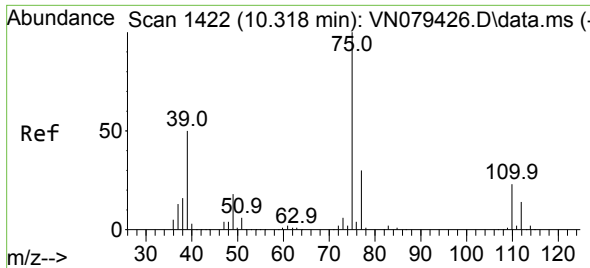
Tgt Ion: 98 Resp: 624824
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.277 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

Tgt Ion: 43 Resp: 23232
Ion Ratio Lower Upper
43 100
58 30.4 36.6 54.8#

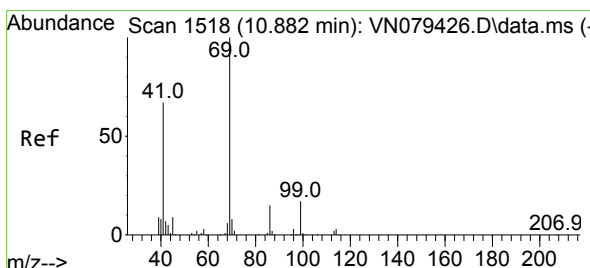
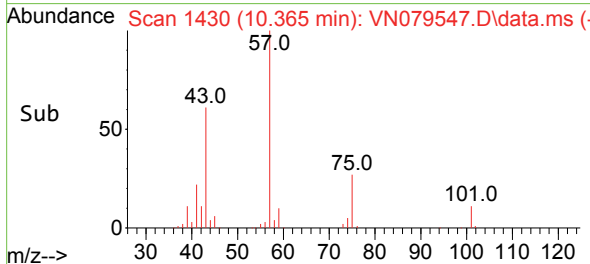
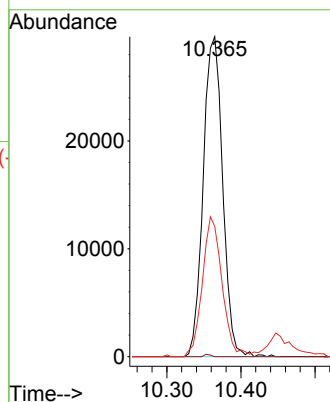
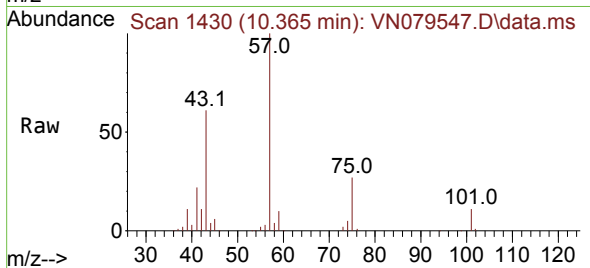




#54
 cis-1,3-Dichloropropene
 Concen: 8.518 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079547.D
 Acq: 12 Oct 2023 15:59

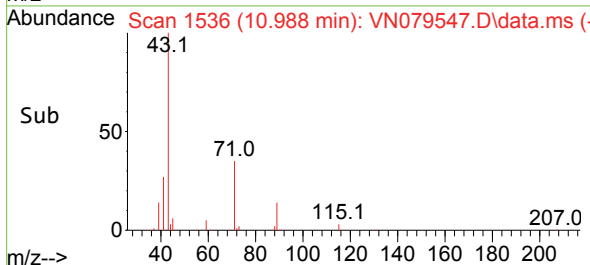
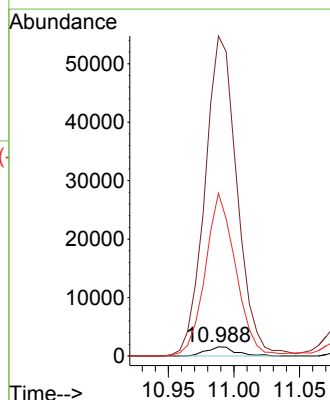
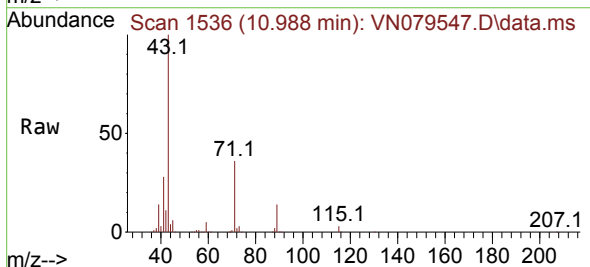
Instrument :
 MSVOA_N
 ClientSampleId :

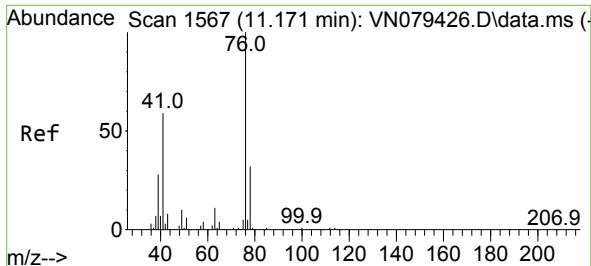
Tgt Ion: 75 Resp: 54065
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 40.7 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.458 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079547.D
 Acq: 12 Oct 2023 15:59

Tgt Ion: 69 Resp: 2436
 Ion Ratio Lower Upper
 69 100
 41 3838.5 39.6 59.4#
 39 1847.3 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.799 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN079547.D

Acq: 12 Oct 2023 15:59

Instrument :

MSVOA_N

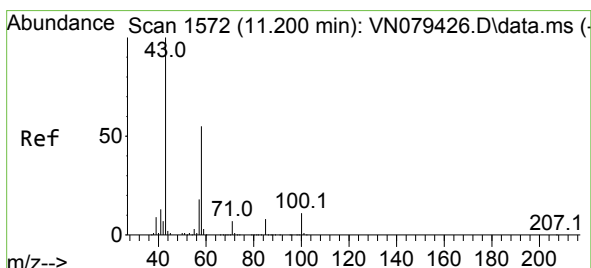
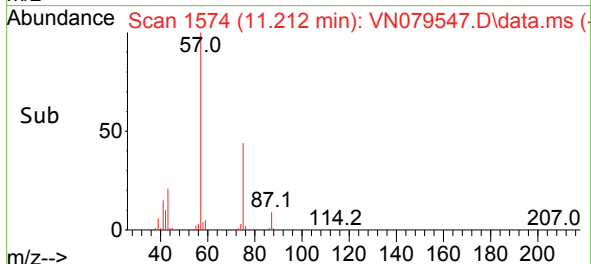
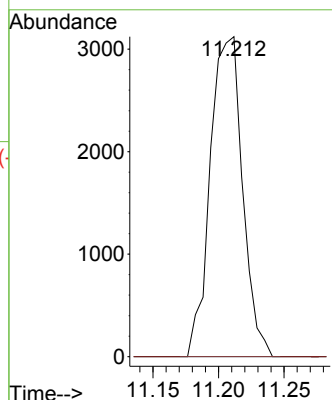
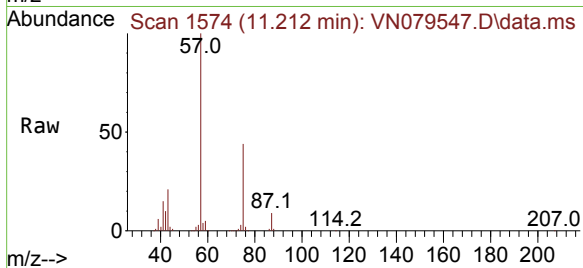
ClientSampleId :

Tgt Ion: 76 Resp: 5345

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 37.186 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079547.D

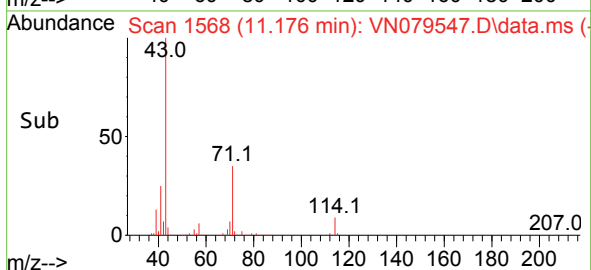
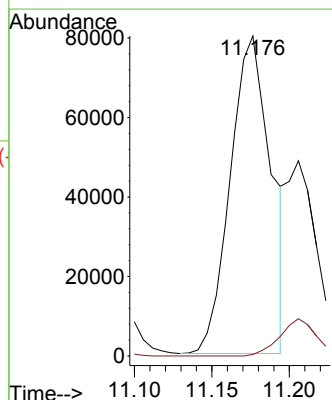
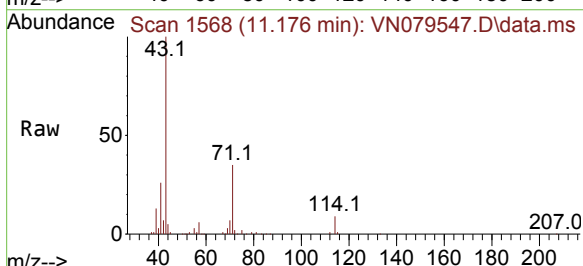
Acq: 12 Oct 2023 15:59

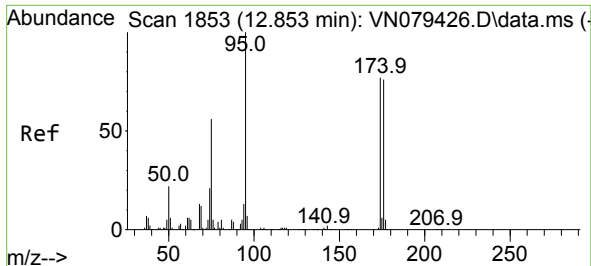
Tgt Ion: 43 Resp: 145741

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

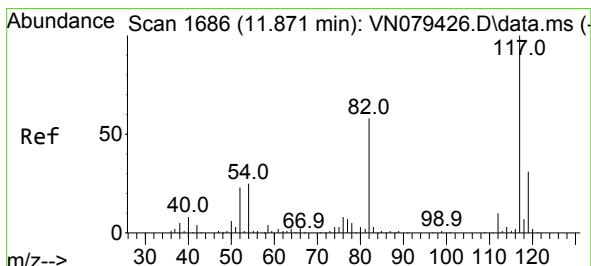
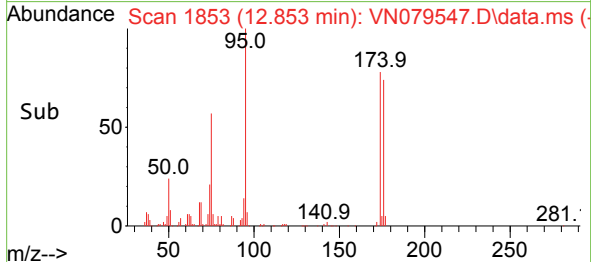
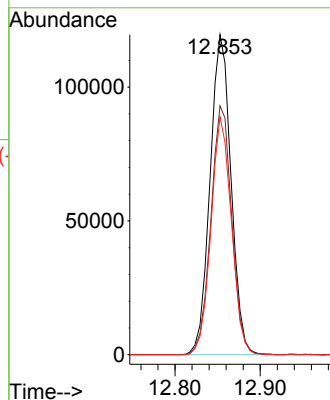
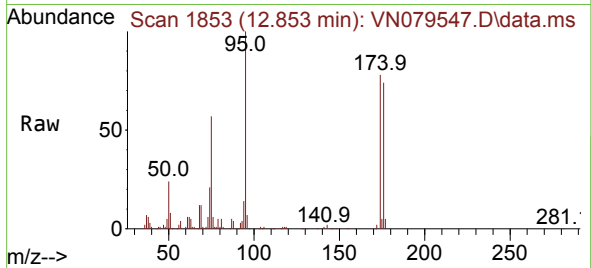




#62
4-Bromofluorobenzene
Concen: 47.816 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

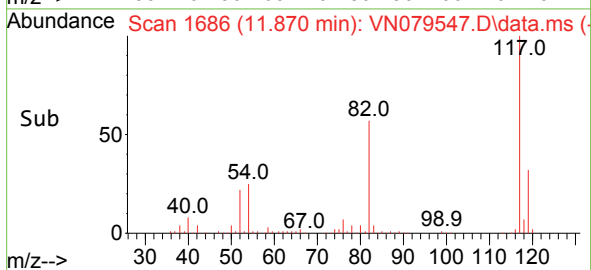
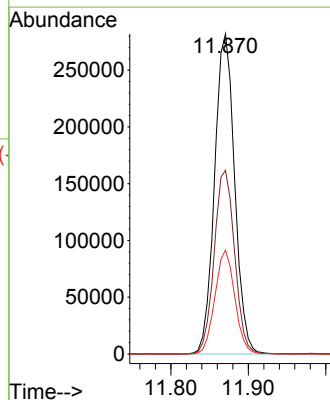
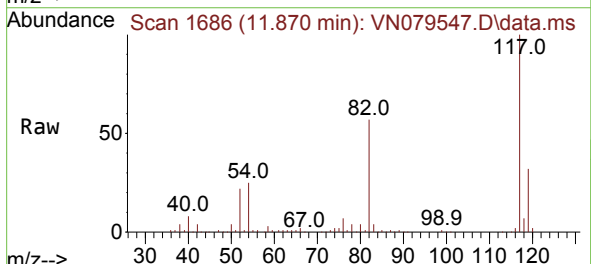
Instrument :
MSVOA_N
ClientSampleId :

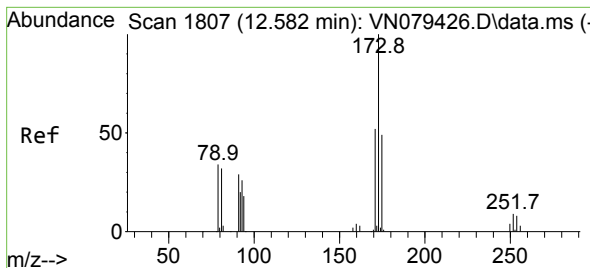
Tgt Ion: 95 Resp: 204182
Ion Ratio Lower Upper
95 100
174 77.6 0.0 143.8
176 72.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

Tgt Ion: 117 Resp: 508827
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 32.4 25.6 38.4





#71

Bromoform

Concen: 0.260 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN079547.D

Acq: 12 Oct 2023 15:59

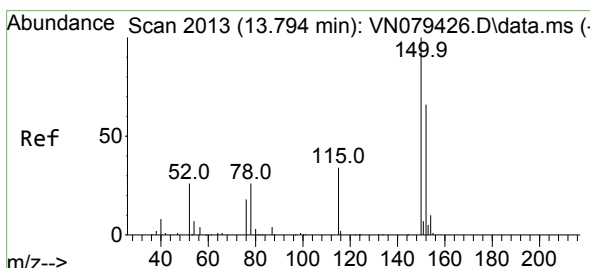
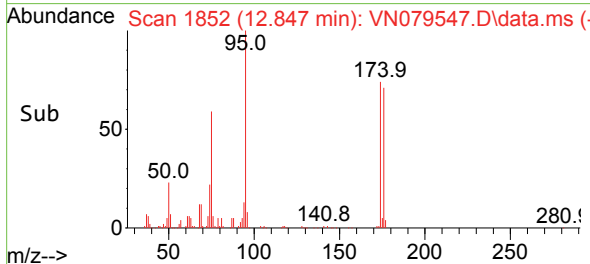
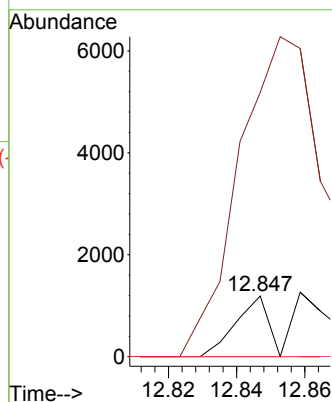
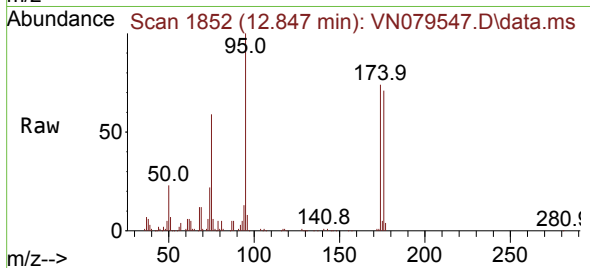
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 791

Ion	Ratio	Lower	Upper
173	100		
175	1069.4	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

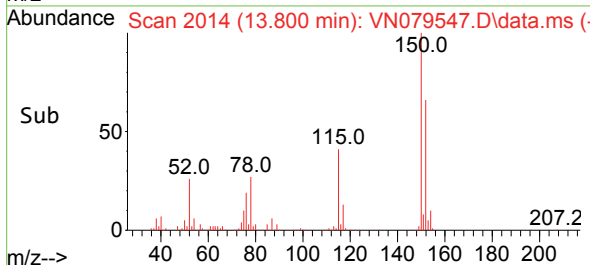
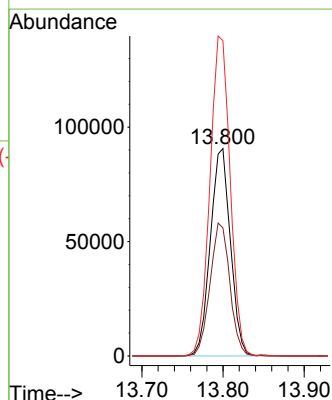
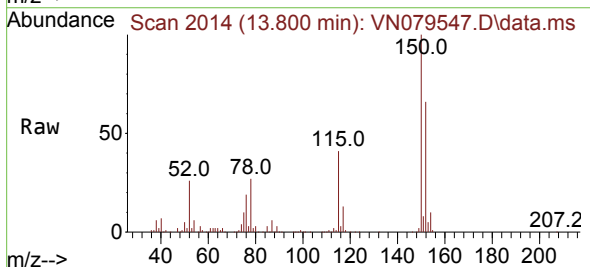
Delta R.T. 0.006 min

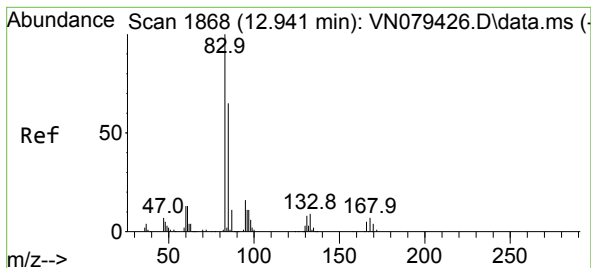
Lab File: VN079547.D

Acq: 12 Oct 2023 15:59

Tgt Ion:152 Resp: 155628

Ion	Ratio	Lower	Upper
152	100		
115	63.2	32.3	96.8
150	155.4	0.0	355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.865 min Scan# 1855

Delta R.T. -0.076 min

Lab File: VN079547.D

Acq: 12 Oct 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

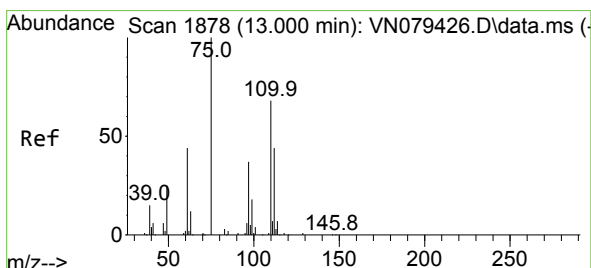
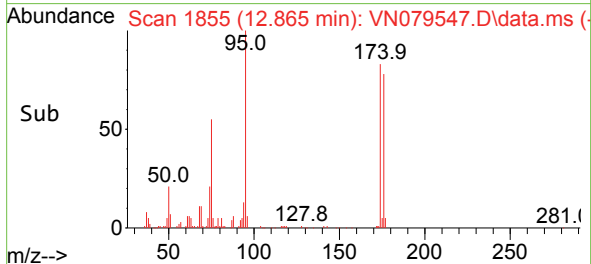
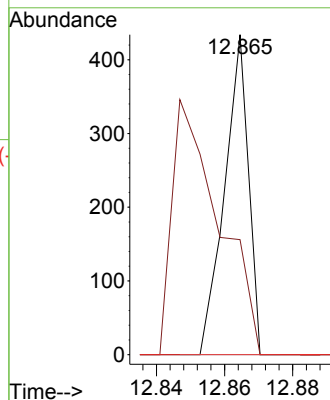
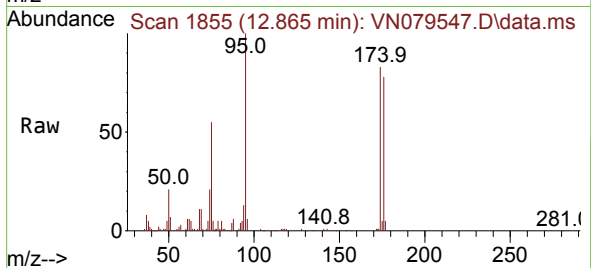
Tgt Ion: 83 Resp: 211

Ion Ratio Lower Upper

83 100

131 155.9 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 25.736 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079547.D

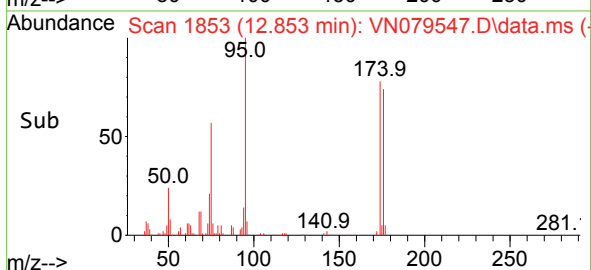
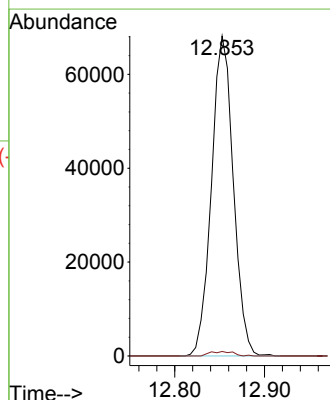
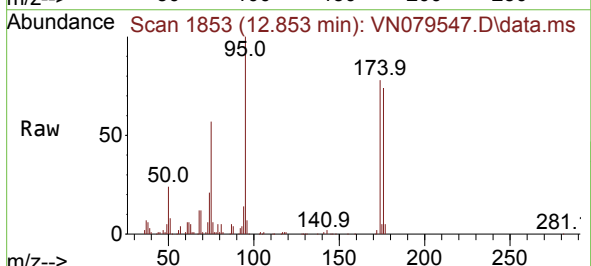
Acq: 12 Oct 2023 15:59

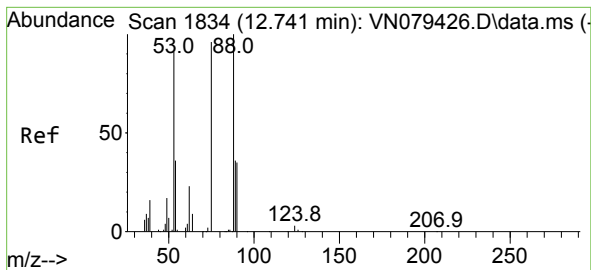
Tgt Ion: 75 Resp: 115480

Ion Ratio Lower Upper

75 100

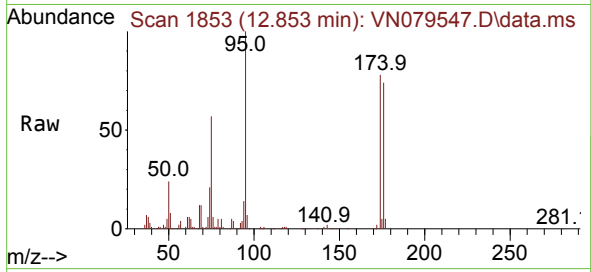
77 1.5 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 74.673 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079547.D
Acq: 12 Oct 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 115480
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

