

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\
 Data File : VN079665.D
 Acq On : 24 Oct 2023 18:25
 Operator : JC\MD
 Sample : 05042-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:03:22 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)

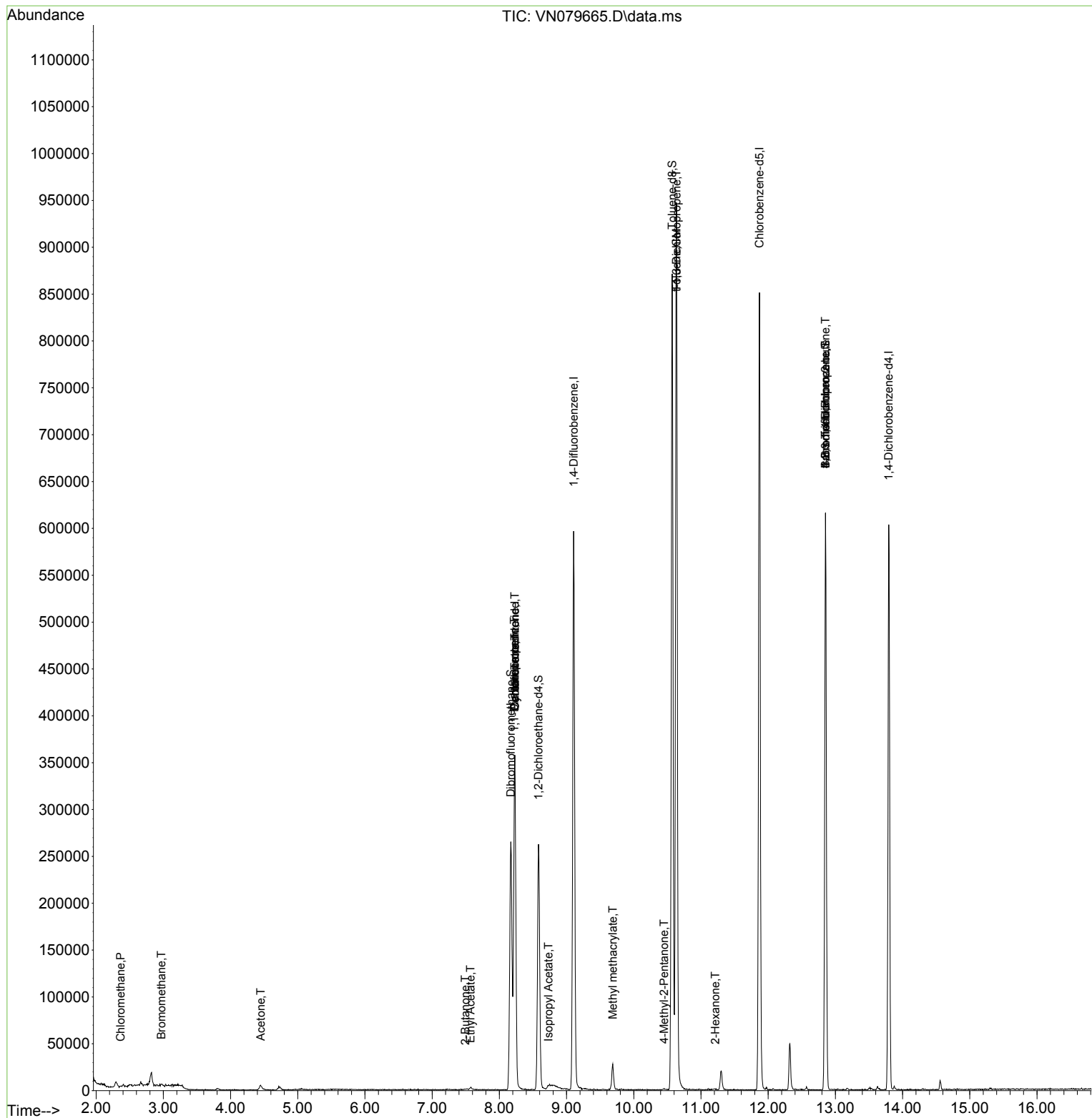
Internal Standards						
1) Pentafluorobenzene	8.230	168	251479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	494777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	482910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	211632	51.902	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.800%
35) Dibromofluoromethane	8.171	113	190441	53.560	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.120%
50) Toluene-d8	10.571	98	589118	45.791	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.580%
62) 4-Bromofluorobenzene	12.853	95	203361	49.255	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	909	0.202	ug/l #	54
5) Bromomethane	2.971	94	1069	0.382	ug/l	86
16) Acetone	4.447	43	9851	6.091	ug/l #	73
20) Methylene Chloride	5.283	84	58	Below Cal	#	21
25) 2-Butanone	7.494	43	785	0.327	ug/l #	37
31) Cyclohexane	8.230	56	7138	1.234	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	23229	4.353	ug/l #	48
37) Ethyl Acetate	7.571	43	2527	0.476	ug/l	95
38) Carbon Tetrachloride	8.230	117	26350	4.932	ug/l #	17
43) Isopropyl Acetate	8.729	43	2524	0.271	ug/l #	49
48) Methyl methacrylate	9.688	41	14026	3.518	ug/l #	78
51) 4-Methyl-2-Pentanone	10.453	43	1163	0.221	ug/l #	31
52) Toluene	10.635	92	408533	43.792	ug/l	97
53) t-1,3-Dichloropropene	10.635	75	4367	0.779	ug/l #	1
59) 2-Hexanone	11.212	43	777	0.205	ug/l	63
71) Bromoform	12.853	173	1583	0.549	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.853	83	124	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	114334	25.643	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	114334	74.404	ug/l #	15

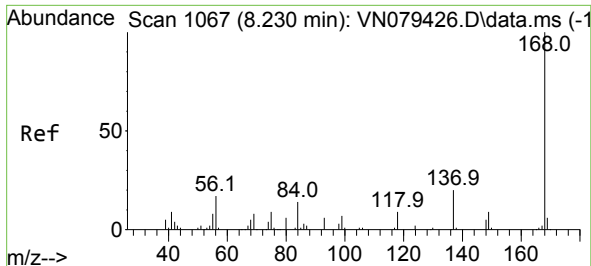
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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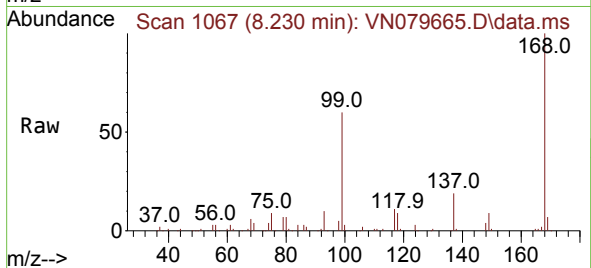
Quant Time: Oct 25 02:03:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



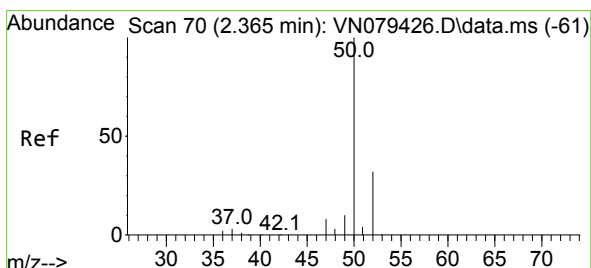
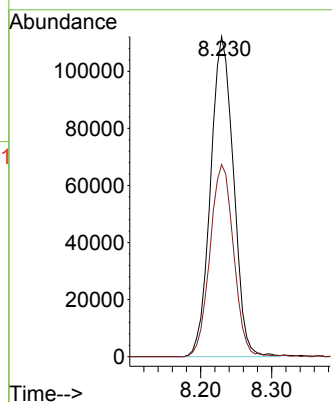
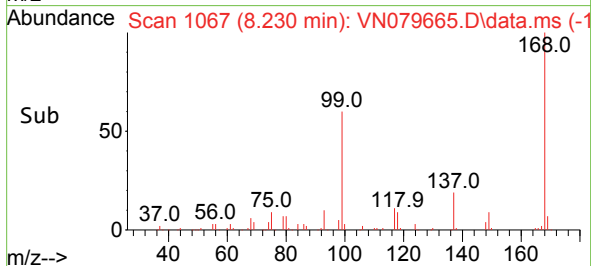


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

Instrument :
MSVOA_N
ClientSampleId :

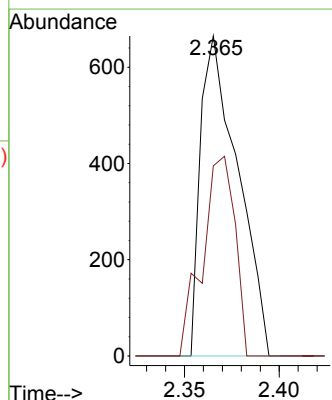
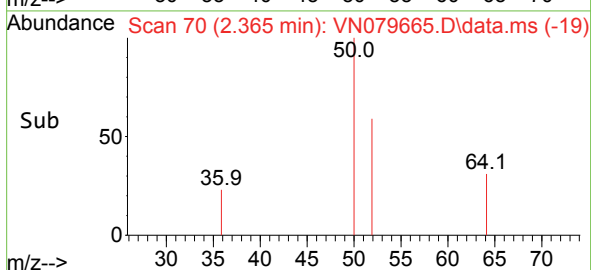
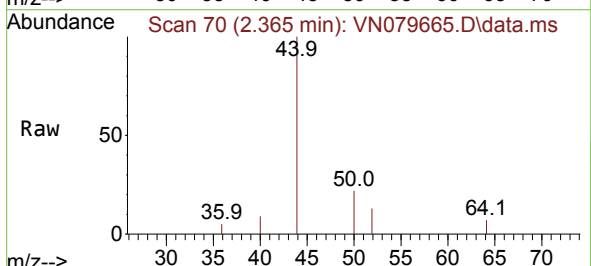


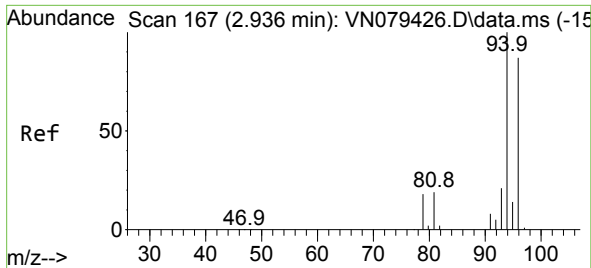
Tgt Ion:168 Resp: 251479
Ion Ratio Lower Upper
168 100
99 60.1 53.0 79.6



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

Tgt Ion: 50 Resp: 909
Ion Ratio Lower Upper
50 100
52 59.4 26.5 39.7#





#5

Bromomethane

Concen: 0.382 ug/l

RT: 2.971 min Scan# 1

Delta R.T. 0.035 min

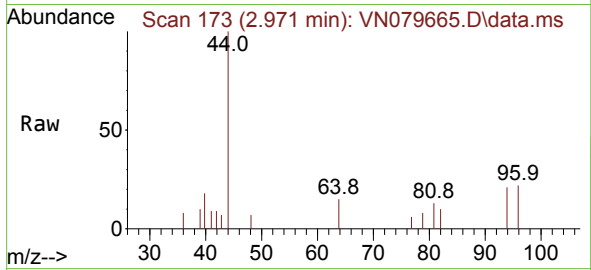
Lab File: VN079665.D

Acq: 24 Oct 2023 18:25

Instrument :

MSVOA_N

ClientSampleId :

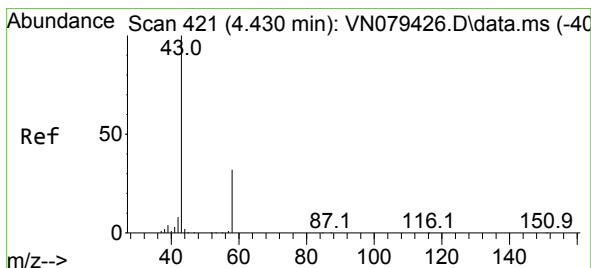
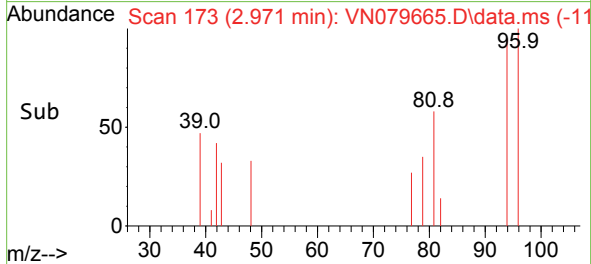
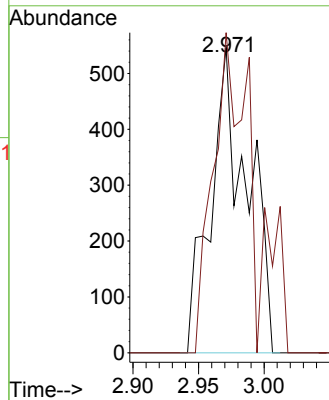


Tgt Ion: 94 Resp: 1069

Ion Ratio Lower Upper

94 100

96 104.8 73.1 109.7



#16

Acetone

Concen: 6.091 ug/l

RT: 4.447 min Scan# 424

Delta R.T. 0.017 min

Lab File: VN079665.D

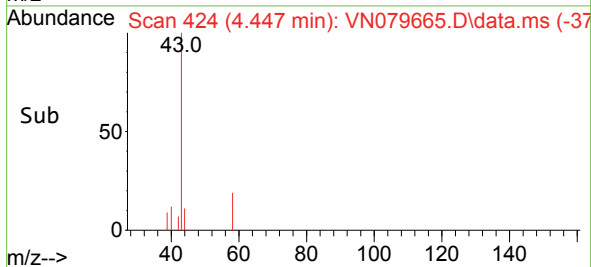
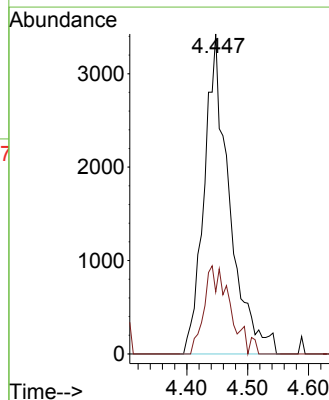
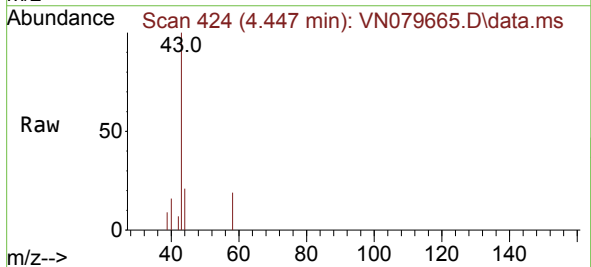
Acq: 24 Oct 2023 18:25

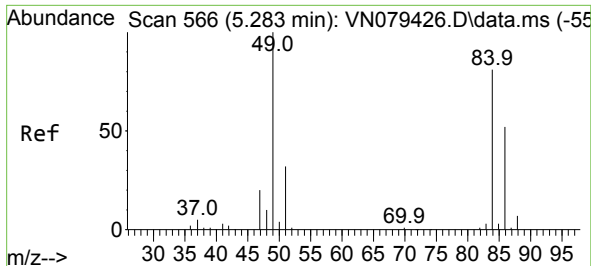
Tgt Ion: 43 Resp: 9851

Ion Ratio Lower Upper

43 100

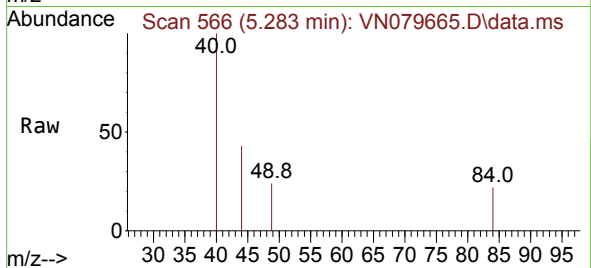
58 19.3 28.0 42.0#



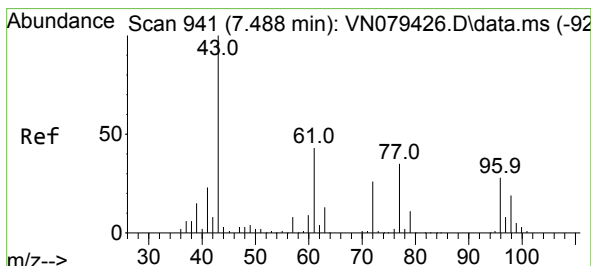
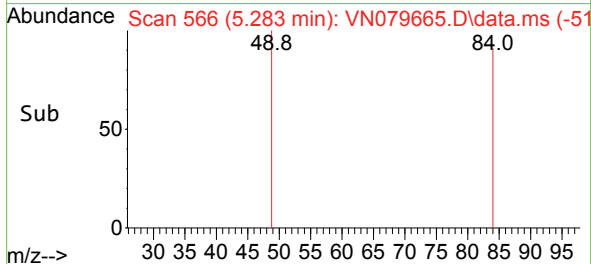
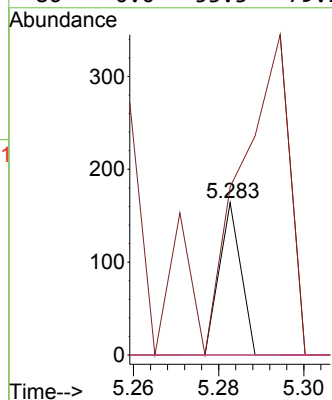


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

Instrument :
MSVOA_N
ClientSampleId :

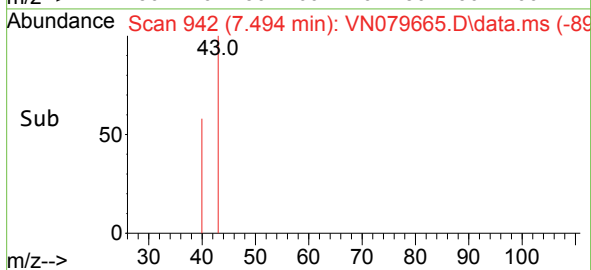
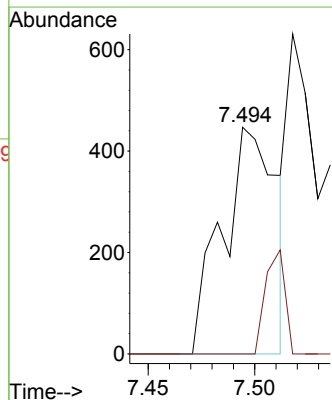
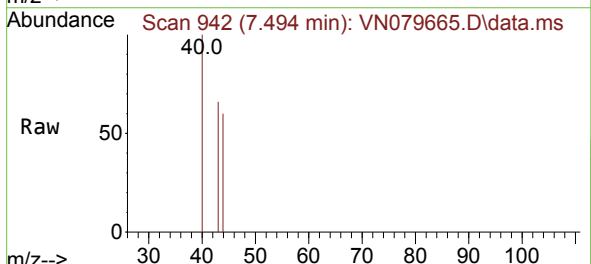


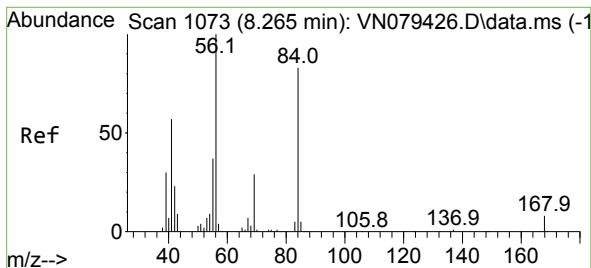
Tgt Ion: 84 Resp: 58
Ion Ratio Lower Upper
84 100
49 17.1 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#



#25
2-Butanone
Concen: 0.327 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





#31

Cyclohexane

Concen: 1.234 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

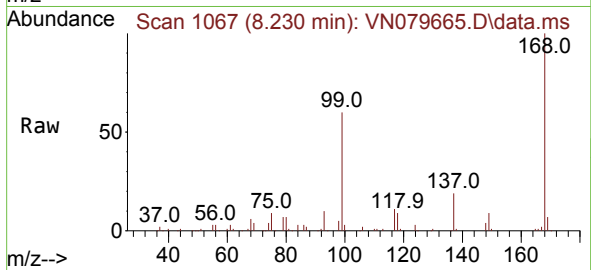
Lab File: VN079665.D

Acq: 24 Oct 2023 18:25

Instrument :

MSVOA_N

ClientSampleId :



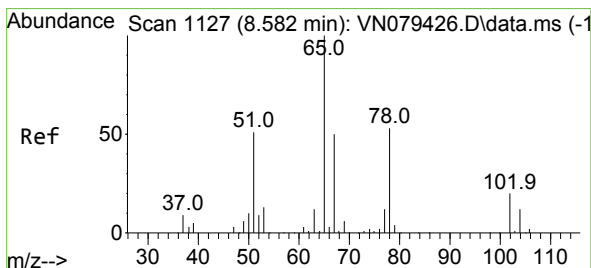
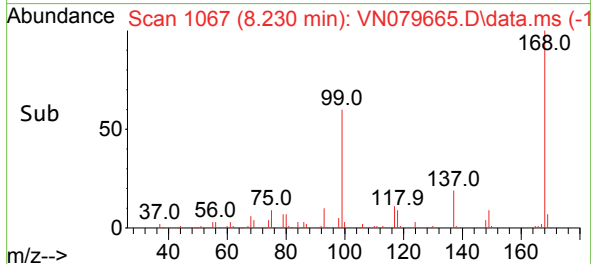
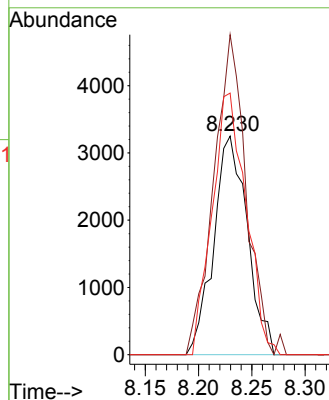
Tgt Ion: 56 Resp: 7138

Ion Ratio Lower Upper

56 100

69 146.4 26.8 40.2#

84 119.7 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 51.902 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079665.D

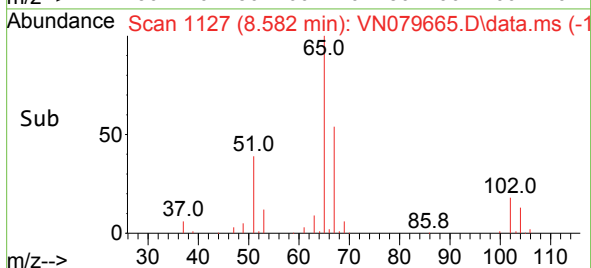
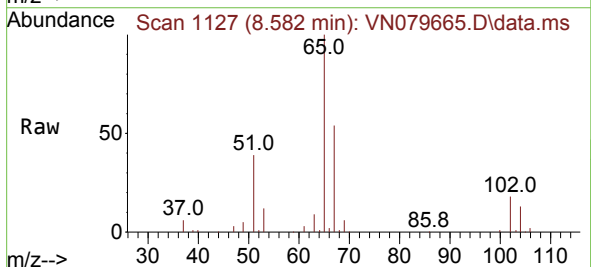
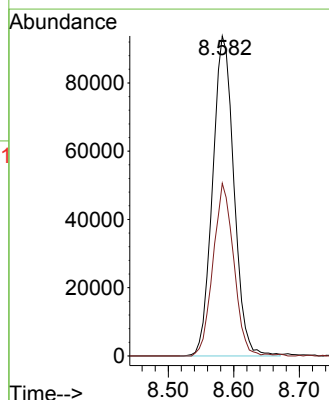
Acq: 24 Oct 2023 18:25

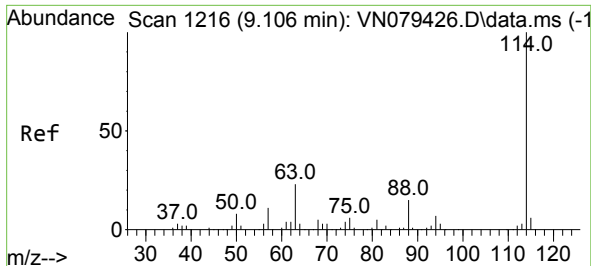
Tgt Ion: 65 Resp: 211632

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN079665.D

Acq: 24 Oct 2023 18:25

Instrument :

MSVOA_N

ClientSampleId :

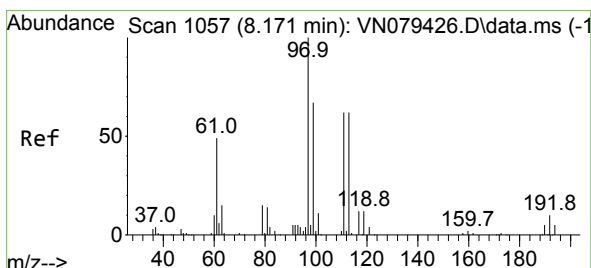
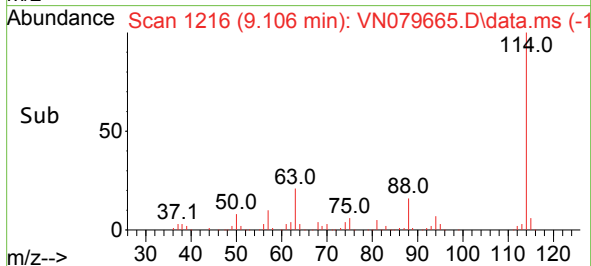
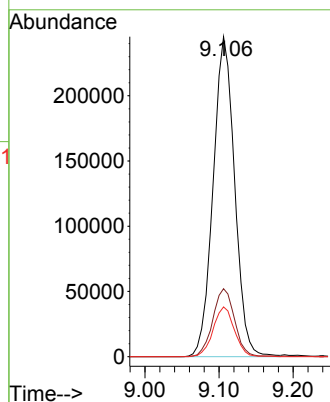
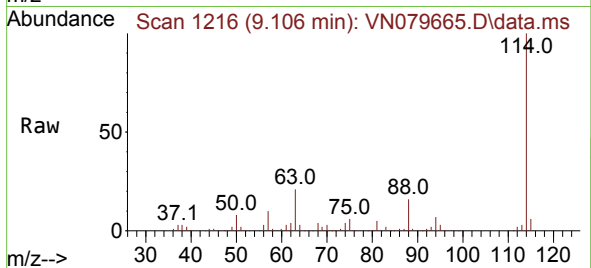
Tgt Ion:114 Resp: 494777

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.560 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079665.D

Acq: 24 Oct 2023 18:25

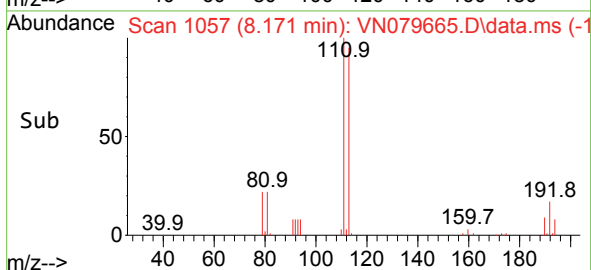
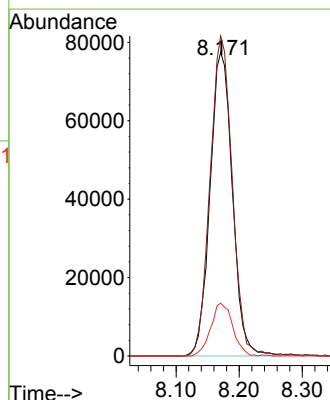
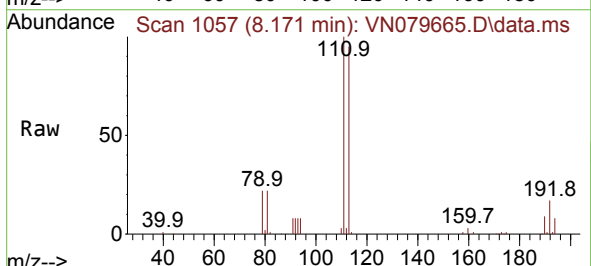
Tgt Ion:113 Resp: 190441

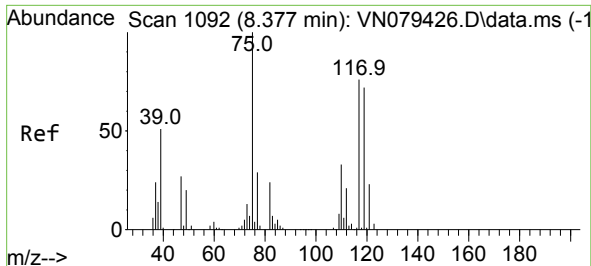
Ion Ratio Lower Upper

113 100

111 104.7 82.6 123.8

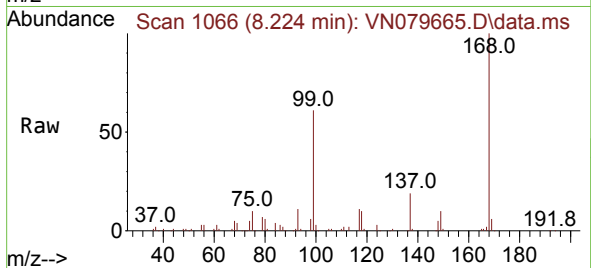
192 17.2 12.7 19.1



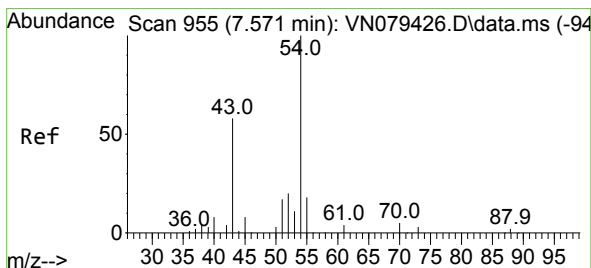
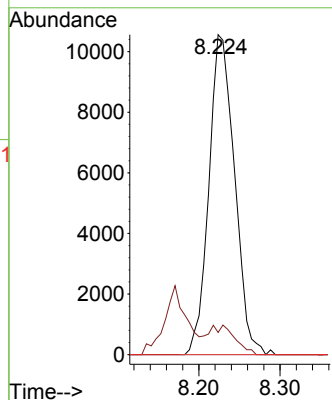
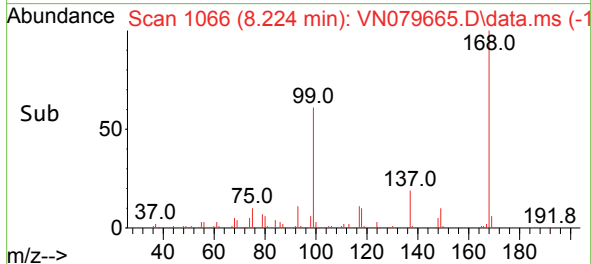


#36
1,1-Dichloropropene
Concen: 4.353 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

Instrument :
MSVOA_N
ClientSampleId :

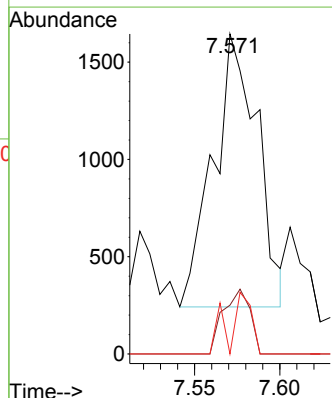
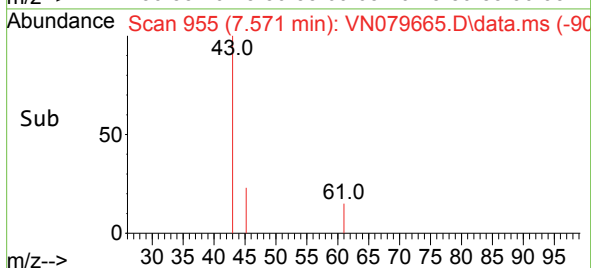
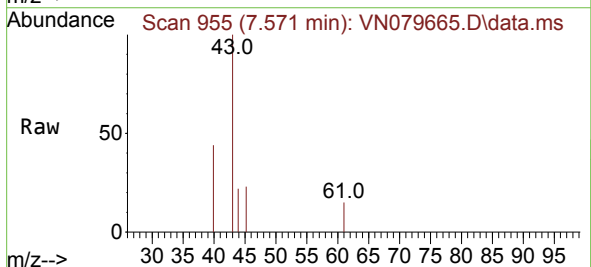


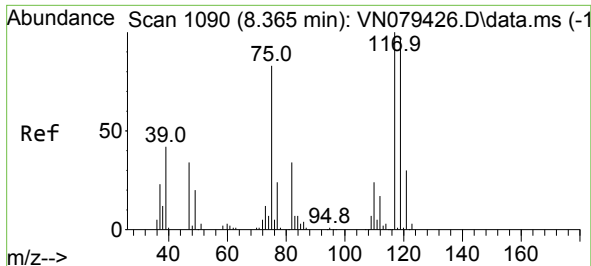
Tgt Ion: 75 Resp: 23229
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.476 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

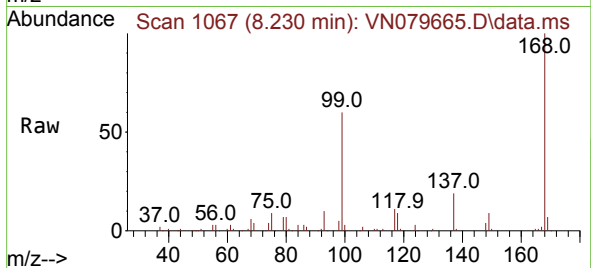
Tgt Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
61 14.4 13.2 19.8
70 11.6 11.3 16.9



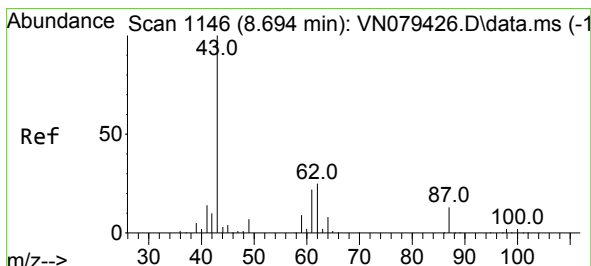
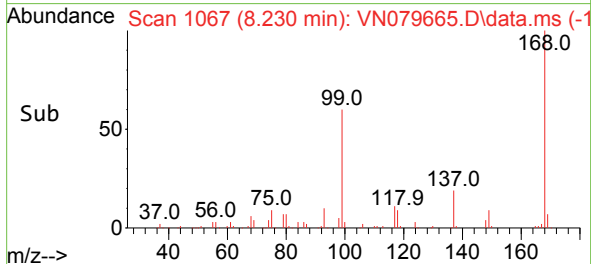
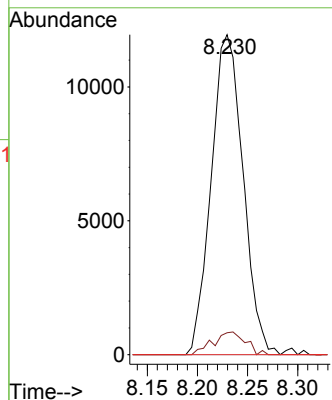


#38
Carbon Tetrachloride
Concen: 4.932 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

Instrument :
MSVOA_N
ClientSampleId :

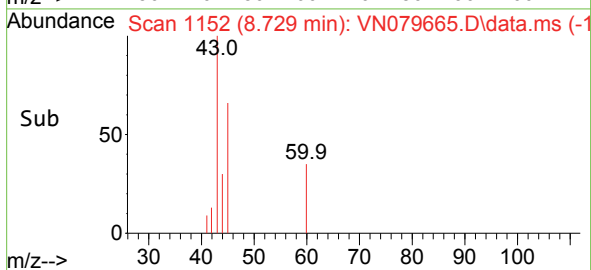
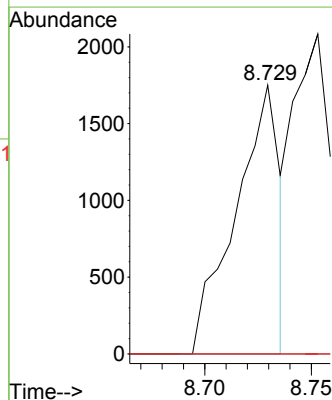
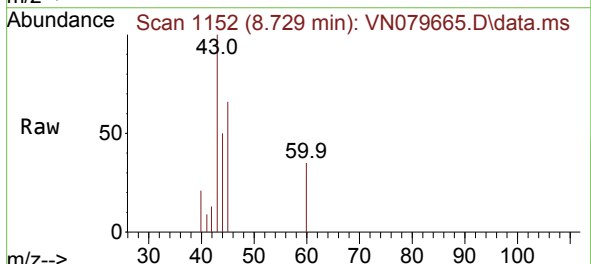


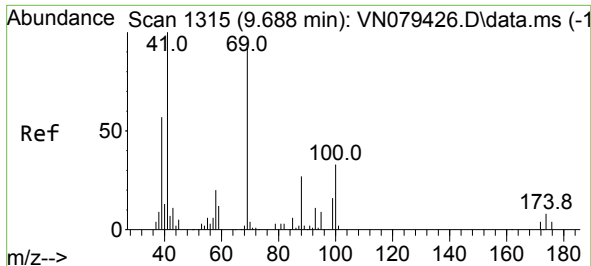
Tgt Ion:117 Resp: 26350
Ion Ratio Lower Upper
117 100
119 6.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.271 ug/l
RT: 8.729 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

Tgt Ion: 43 Resp: 2524
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

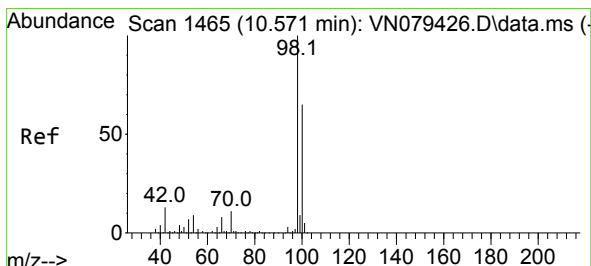
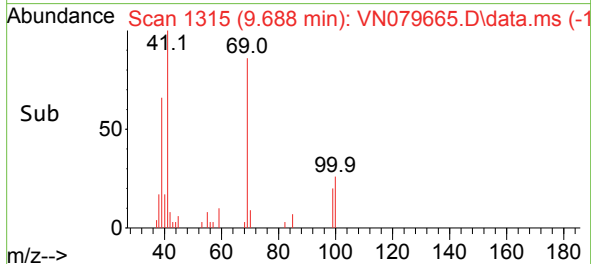
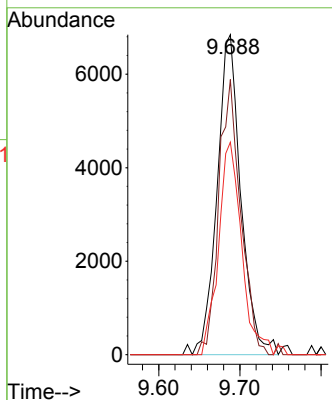
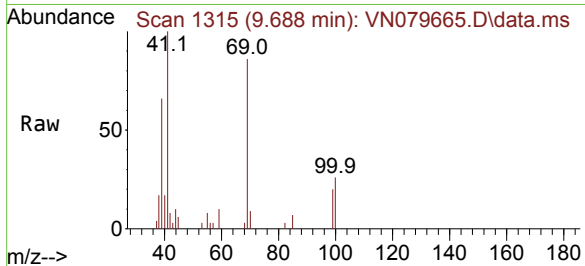




#48
Methyl methacrylate
Concen: 3.518 ug/l
RT: 9.688 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

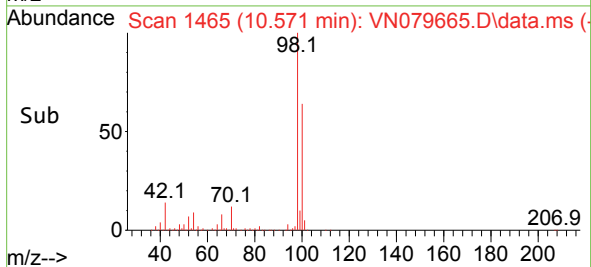
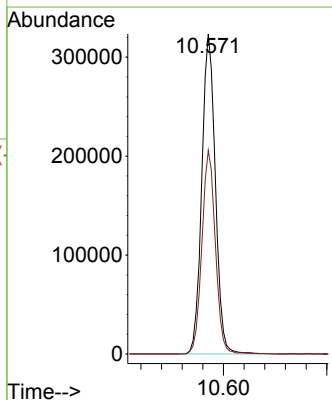
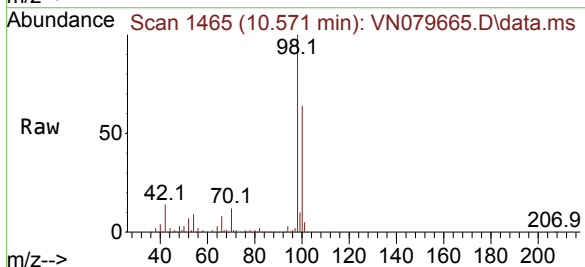
Instrument :
MSVOA_N
ClientSampleId :

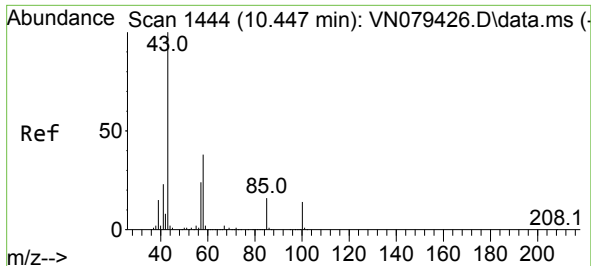
Tgt Ion: 41 Resp: 14026
Ion Ratio Lower Upper
41 100
69 78.9 90.4 135.6#
39 64.1 54.6 81.8



#50
Toluene-d8
Concen: 45.791 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

Tgt Ion: 98 Resp: 589118
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.221 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN079665.D

Acq: 24 Oct 2023 18:25

Instrument :

MSVOA_N

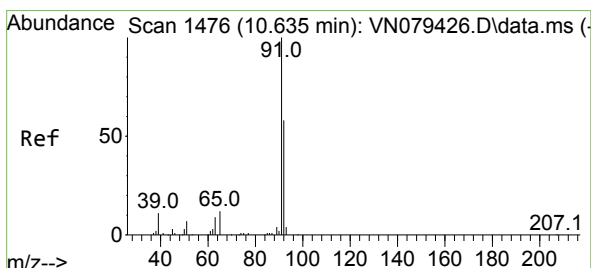
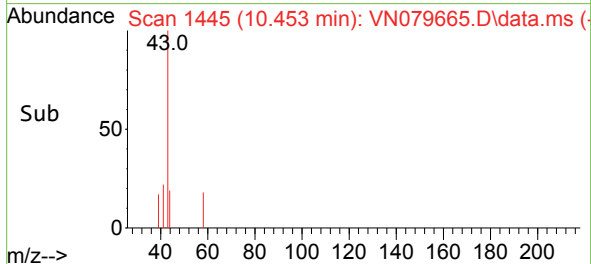
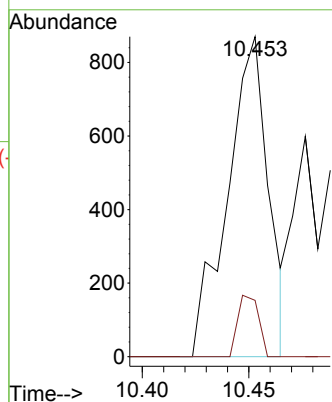
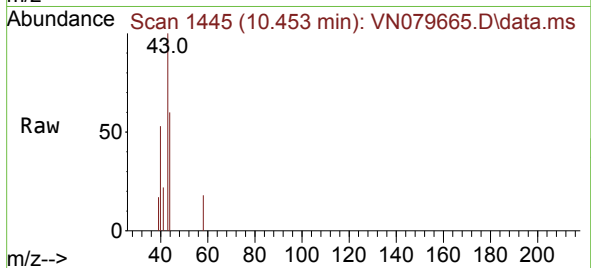
ClientSampleId :

Tgt Ion: 43 Resp: 1163

Ion Ratio Lower Upper

43 100

58 0.0 36.6 54.8#



#52

Toluene

Concen: 43.792 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VN079665.D

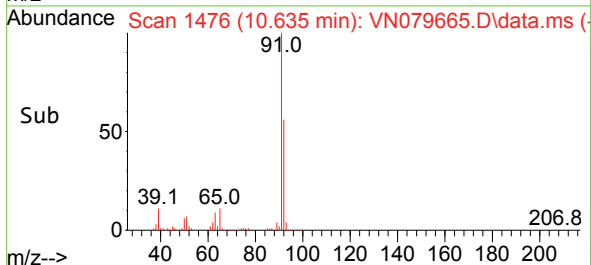
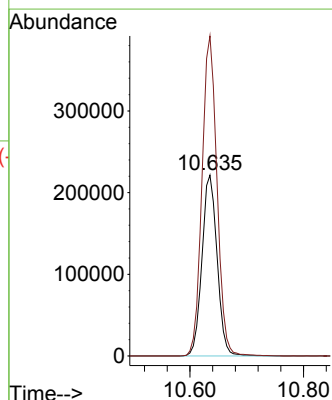
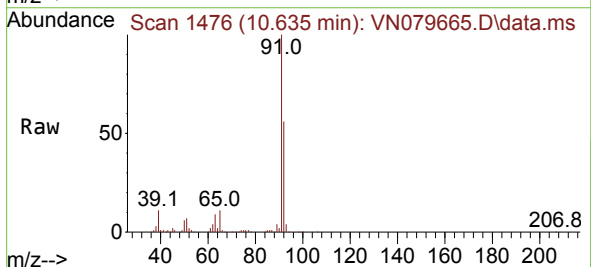
Acq: 24 Oct 2023 18:25

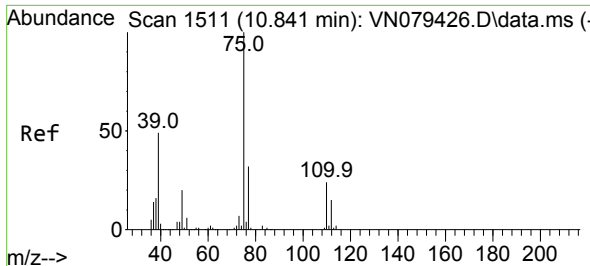
Tgt Ion: 92 Resp: 408533

Ion Ratio Lower Upper

92 100

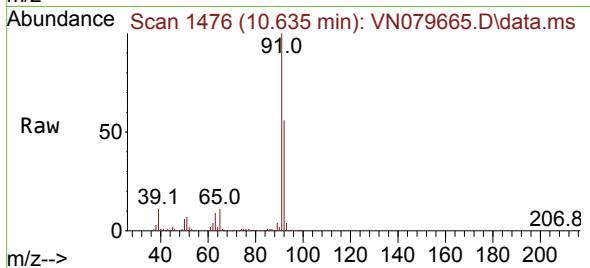
91 175.8 137.4 206.0



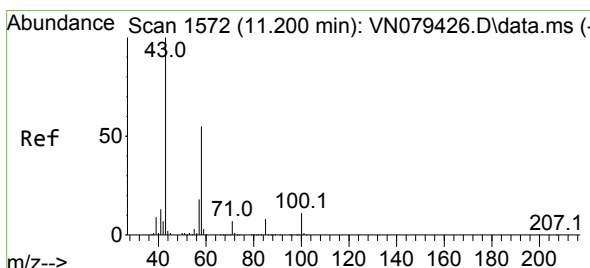
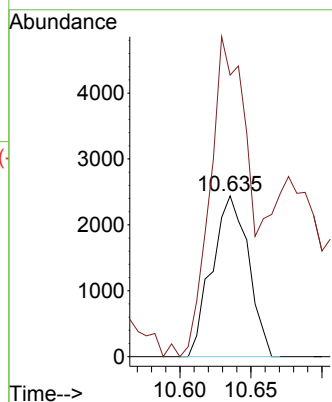
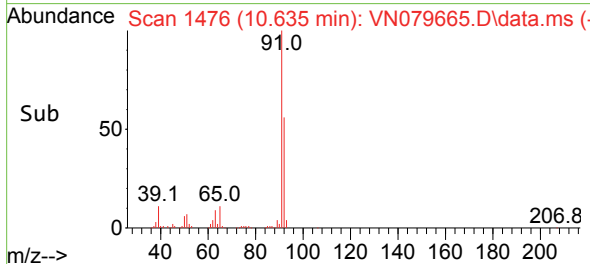


#53
t-1,3-Dichloropropene
Concen: 0.779 ug/l
RT: 10.635 min Scan# 14
Delta R.T. -0.206 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

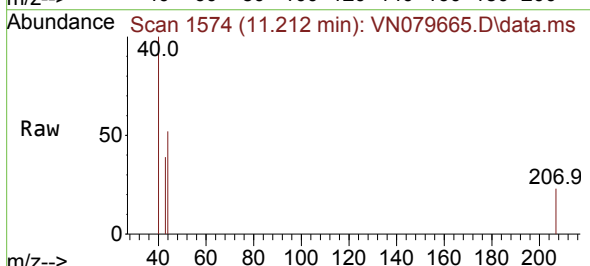
Instrument :
MSVOA_N
ClientSampleId :



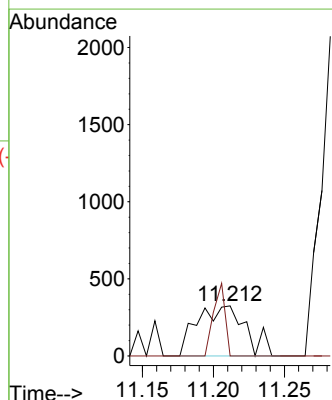
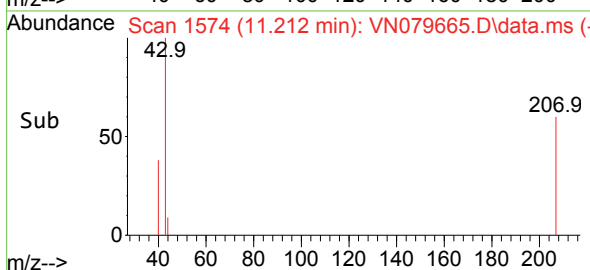
Tgt Ion: 75 Resp: 4367
Ion Ratio Lower Upper
75 100
77 175.1 25.4 38.0#

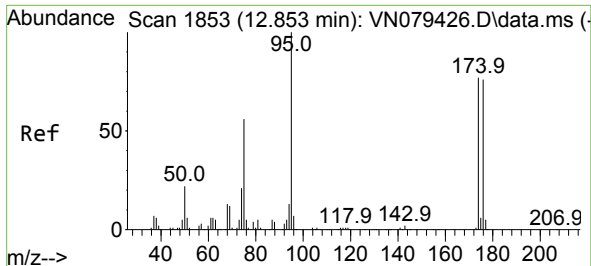


#59
2-Hexanone
Concen: 0.205 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25



Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
58 34.2 31.7 95.1

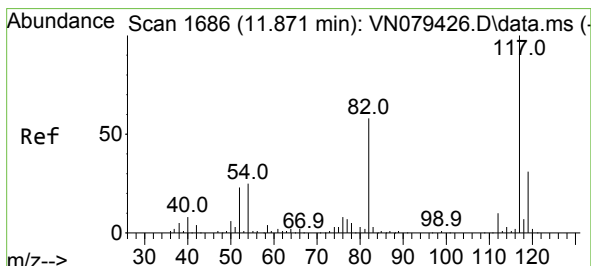
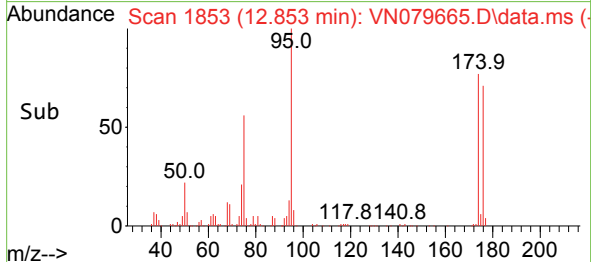
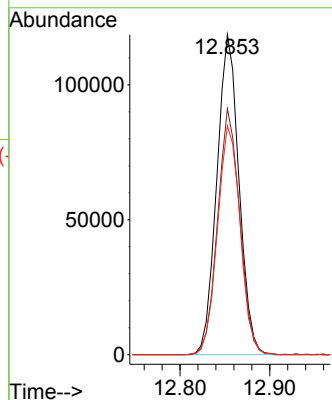
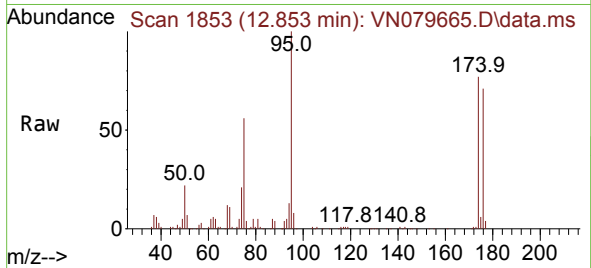




#62
4-Bromofluorobenzene
Concen: 49.255 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

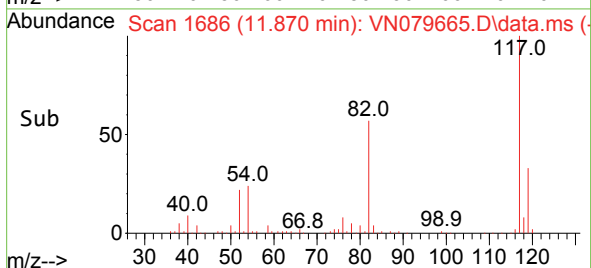
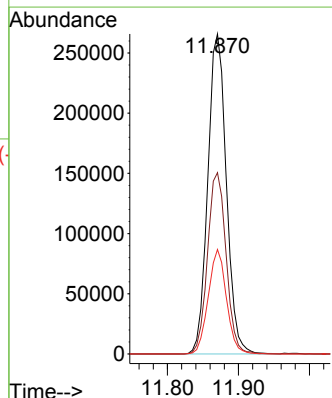
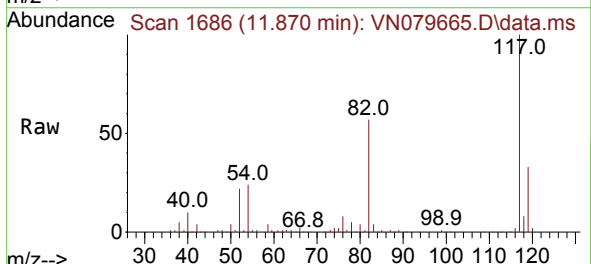
Instrument :
MSVOA_N
ClientSampleId :

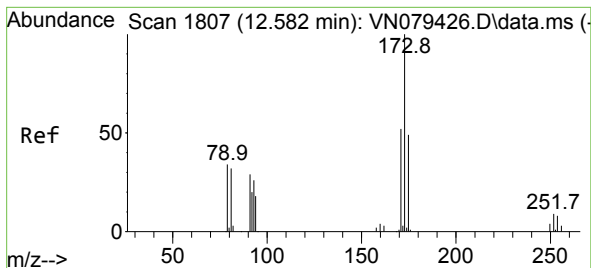
Tgt Ion: 95 Resp: 203361
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079665.D
Acq: 24 Oct 2023 18:25

Tgt Ion: 117 Resp: 482910
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 32.6 25.6 38.4





#71

Bromoform

Concen: 0.549 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

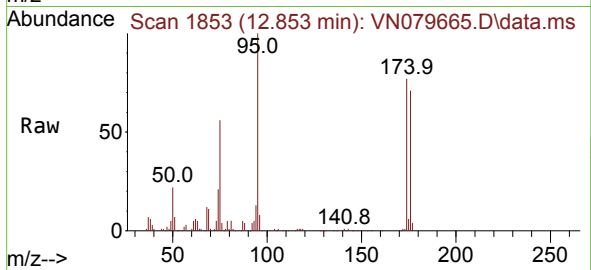
Lab File: VN079665.D

Acq: 24 Oct 2023 18:25

Instrument :

MSVOA_N

ClientSampleId :



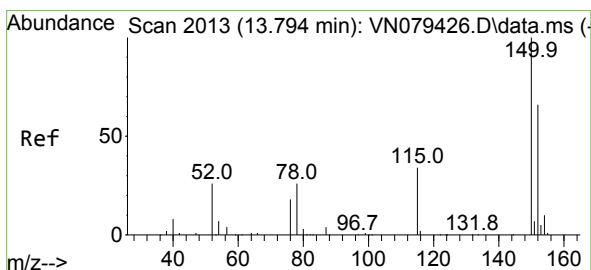
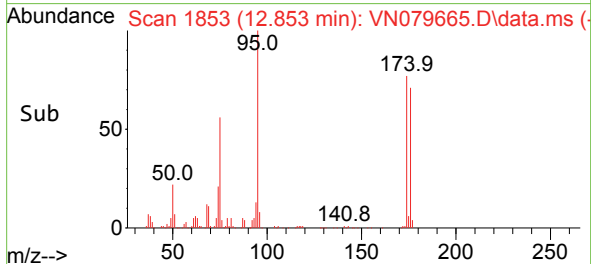
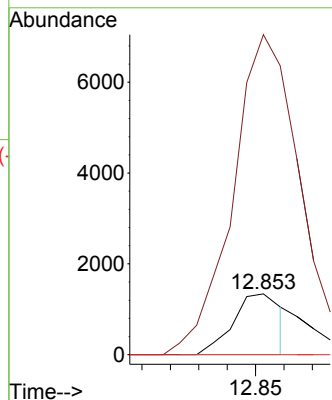
Tgt Ion:173 Resp: 1583

Ion Ratio Lower Upper

173 100

175 554.1 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: VN079665.D

Acq: 24 Oct 2023 18:25

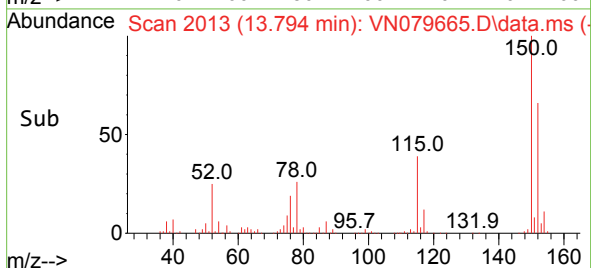
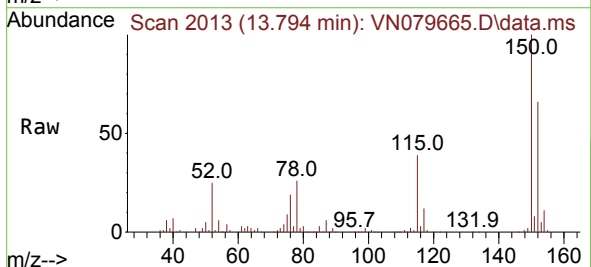
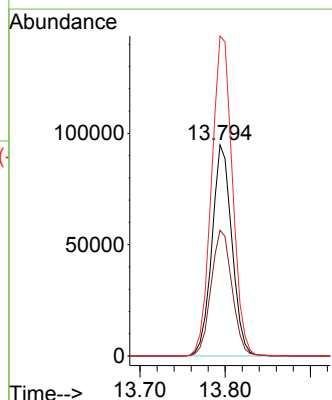
Tgt Ion:152 Resp: 154641

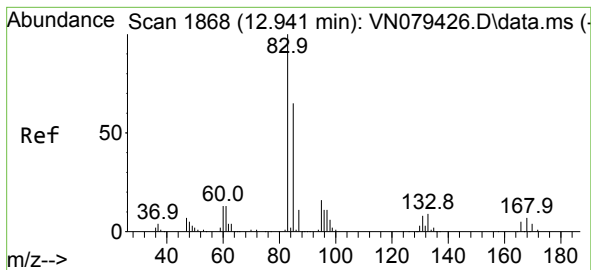
Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 158.5 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.853 min Scan# 1853

Delta R.T. -0.088 min

Lab File: VN079665.D

Acq: 24 Oct 2023 18:25

Instrument :

MSVOA_N

ClientSampleId :

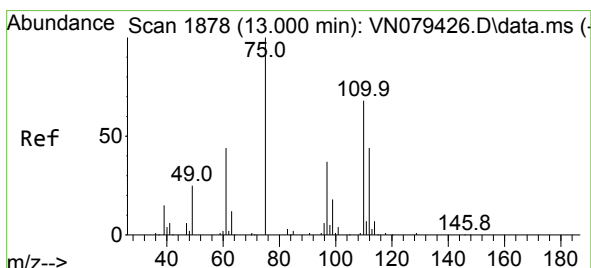
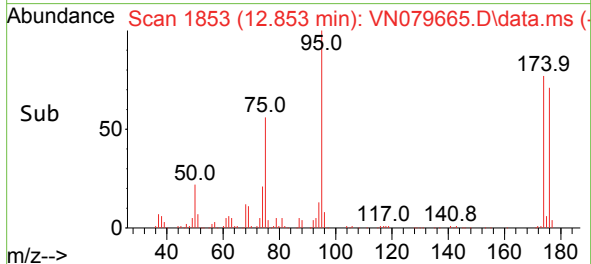
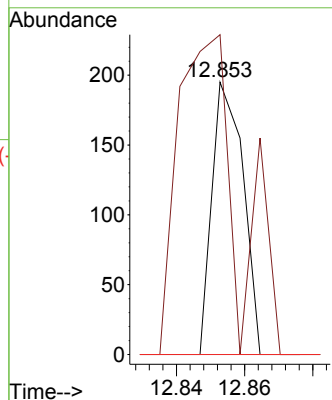
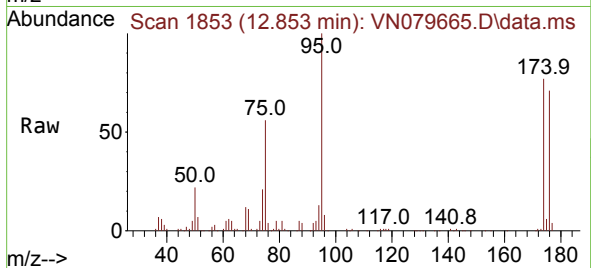
Tgt Ion: 83 Resp: 124

Ion Ratio Lower Upper

83 100

131 225.8 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 25.643 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079665.D

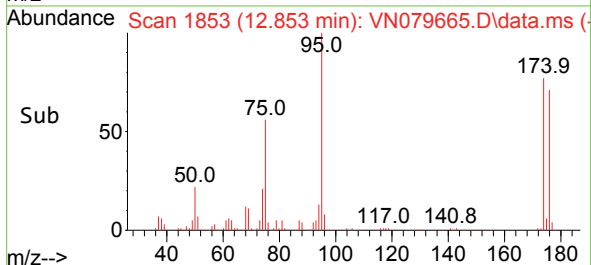
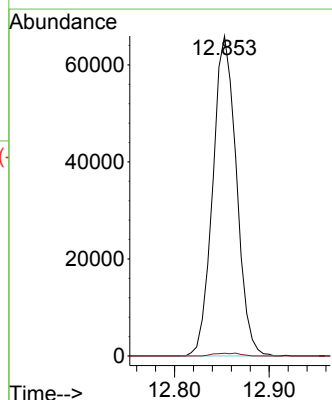
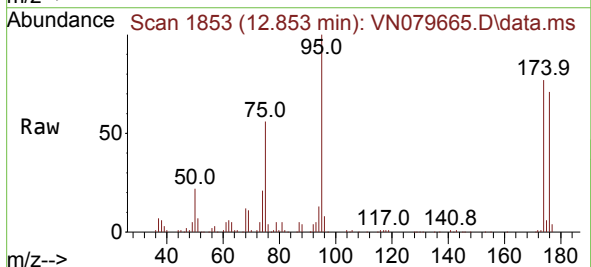
Acq: 24 Oct 2023 18:25

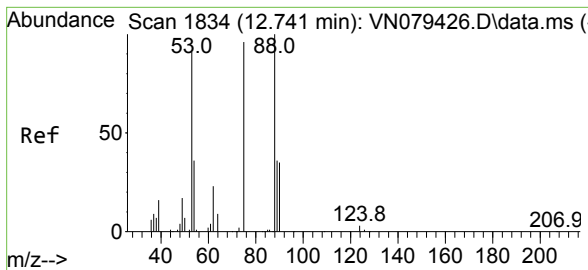
Tgt Ion: 75 Resp: 114334

Ion Ratio Lower Upper

75 100

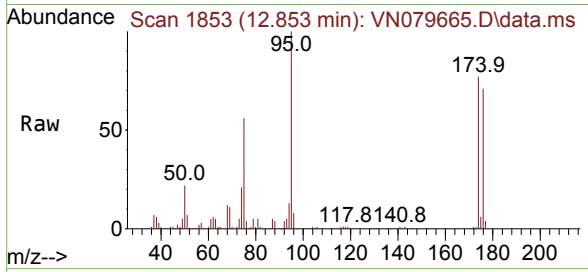
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.404 ug/l
 RT: 12.853 min Scan# 114334
 Delta R.T. 0.112 min
 Lab File: VN079665.D
 Acq: 24 Oct 2023 18:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 114334
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

