

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080415.D
 Acq On : 08 Dec 2023 18:45
 Operator : JC\MD
 Sample : 05691-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 08 22:44:40 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

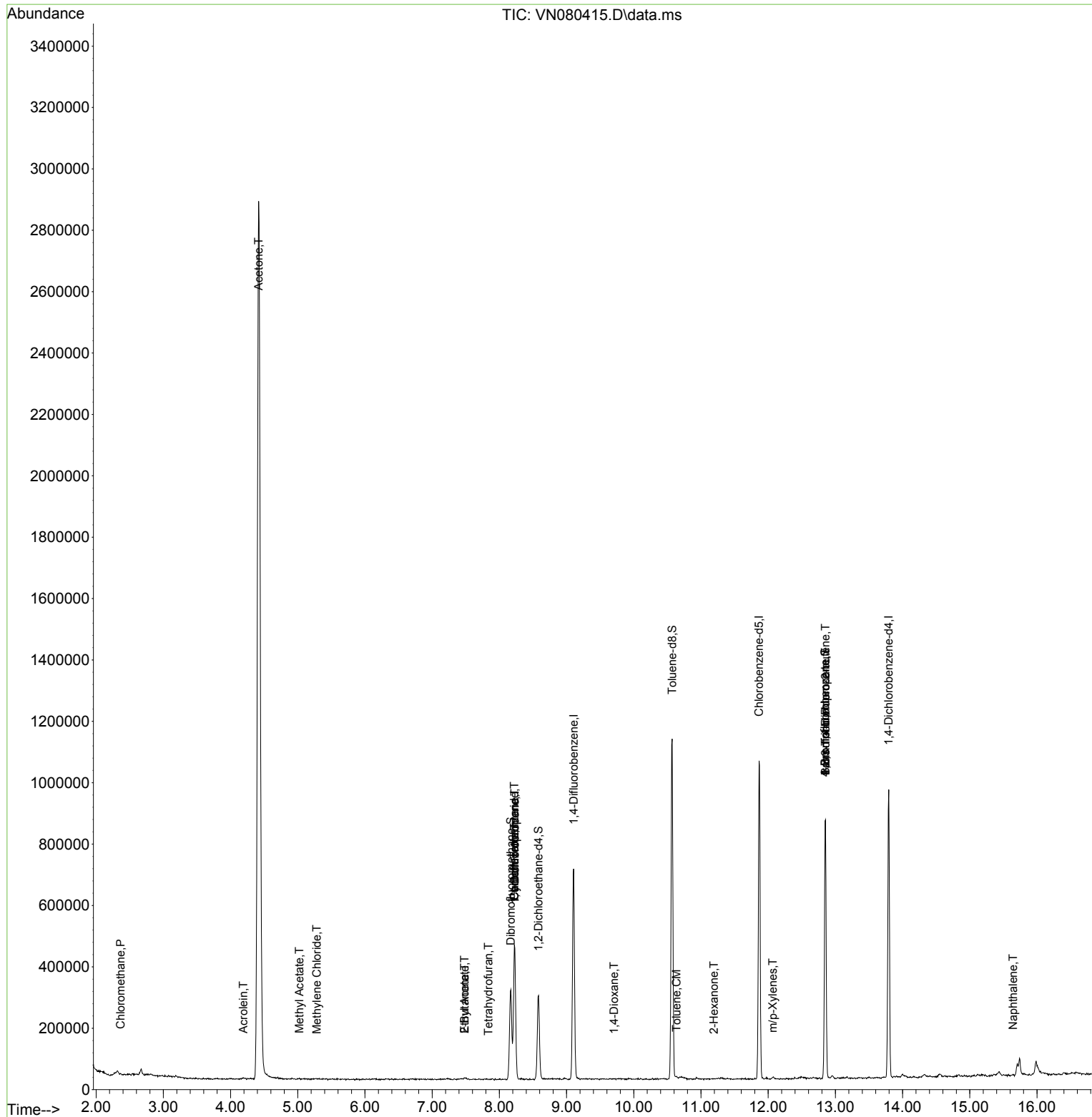
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	314946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	592525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	611785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	255419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	239188	45.995	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	92.000%	
35) Dibromofluoromethane	8.171	113	211922	48.472	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	96.940%	
50) Toluene-d8	10.571	98	785805	49.860	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	99.720%	
62) 4-Bromofluorobenzene	12.847	95	317763	53.379	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	106.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	5609	1.590	ug/l	97
6) Chloroethane	3.077	64	1138	Below Cal	#	43
13) Acrolein	4.189	56	6688	13.215	ug/l #	53
16) Acetone	4.418	43	5333931	3053.821	ug/l	99
18) Methyl Acetate	5.024	43	3730	0.665	ug/l #	45
20) Methylene Chloride	5.283	84	1395	0.381	ug/l #	57
25) 2-Butanone	7.483	43	9048	4.360	ug/l	89
29) Tetrahydrofuran	7.835	42	313	0.281	ug/l #	20
31) Cyclohexane	8.224	56	6534	1.155	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	25817	4.079	ug/l #	51
37) Ethyl Acetate	7.483	43	9048	2.061	ug/l #	64
38) Carbon Tetrachloride	8.224	117	36281	4.517	ug/l #	17
49) 1,4-Dioxane	9.706	88	1616	22.061	ug/l #	74
52) Toluene	10.635	92	2497	0.222	ug/l	80
59) 2-Hexanone	11.194	43	798	0.225	ug/l	94
68) m/p-Xylenes	12.070	106	2075	0.231	ug/l	91
71) Bromoform	12.853	173	1487	0.373	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	164335	26.259	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	164335	88.719	ug/l #	15
95) Naphthalene	15.647	128	2915	0.200	ug/l #	81

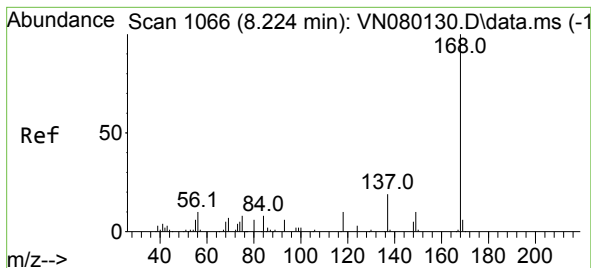
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.224 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN080415.D

Acq: 08 Dec 2023 18:45

Instrument :

MSVOA_N

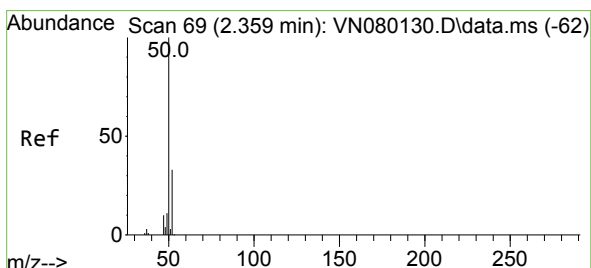
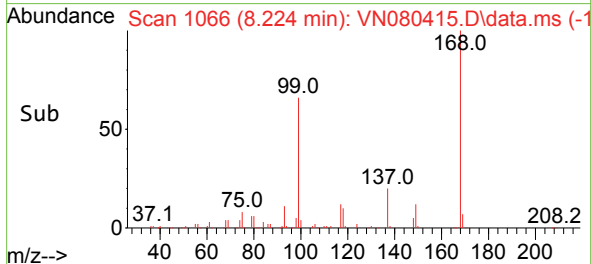
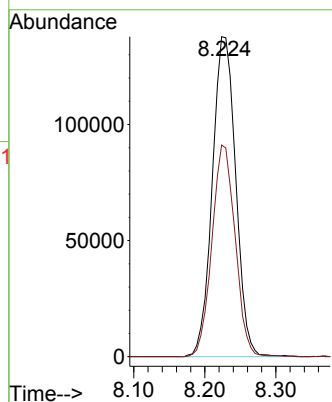
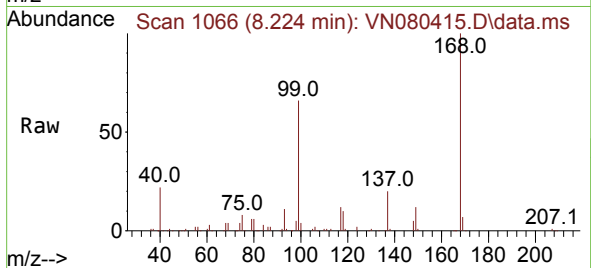
ClientSampleId :

Tgt Ion:168 Resp: 314946

Ion Ratio Lower Upper

168 100

99 66.2 53.0 79.6



#3

Chloromethane

Concen: 1.590 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080415.D

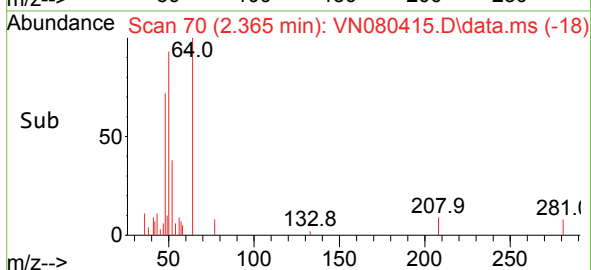
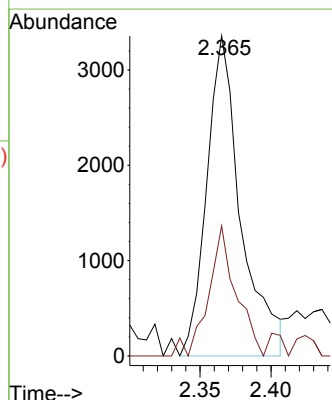
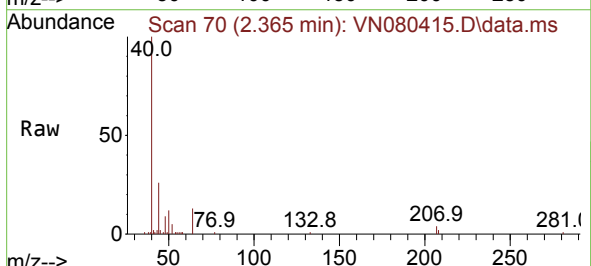
Acq: 08 Dec 2023 18:45

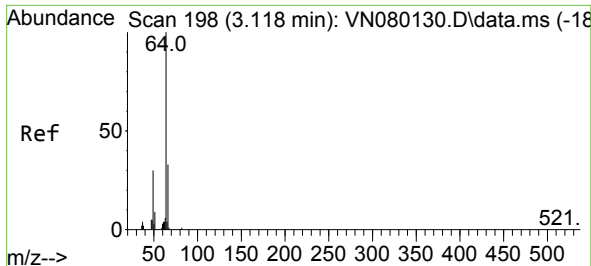
Tgt Ion: 50 Resp: 5609

Ion Ratio Lower Upper

50 100

52 35.1 26.5 39.7

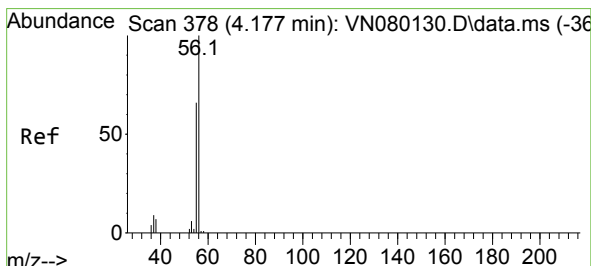
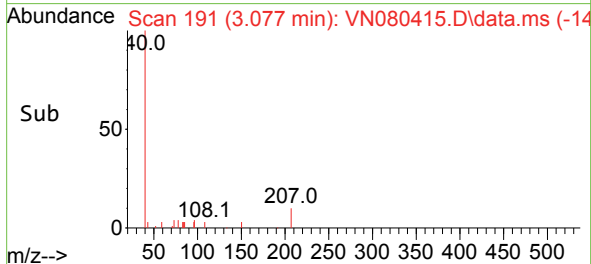
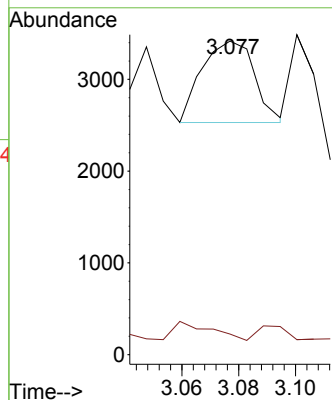
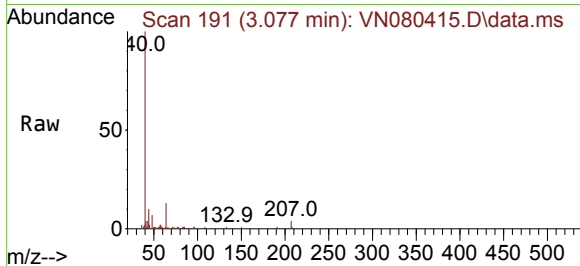




#6
Chloroethane
Concen: Below Cal
RT: 3.077 min Scan# 198
Delta R.T. -0.041 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

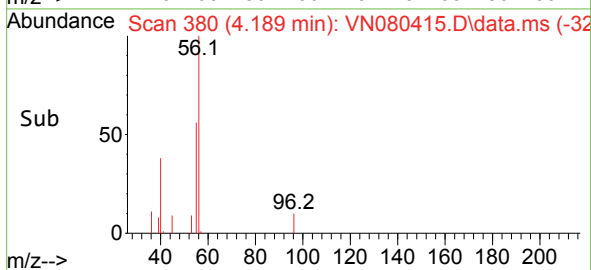
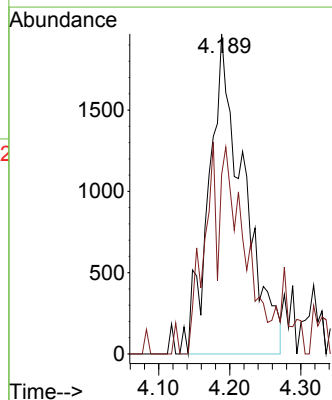
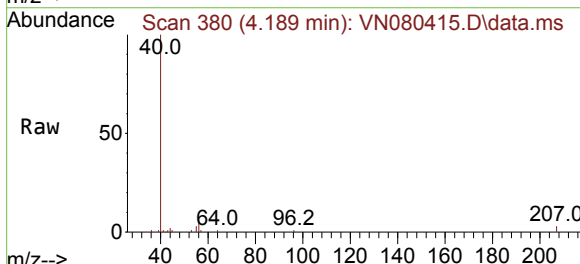
Instrument :
MSVOA_N
ClientSampleId :

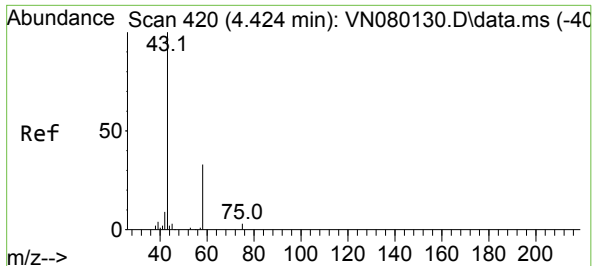
Tgt Ion: 64 Resp: 1138
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 13.215 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Tgt Ion: 56 Resp: 6688
Ion Ratio Lower Upper
56 100
55 30.4 54.5 81.7#

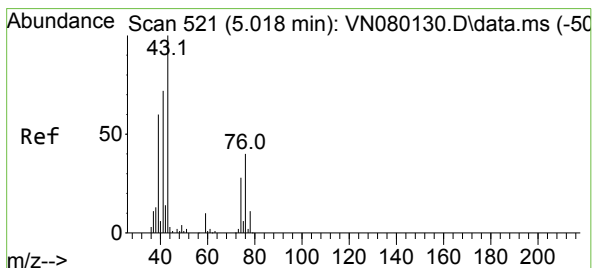
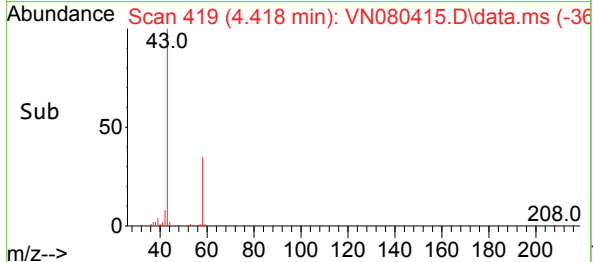
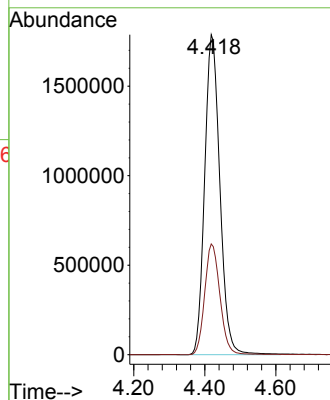
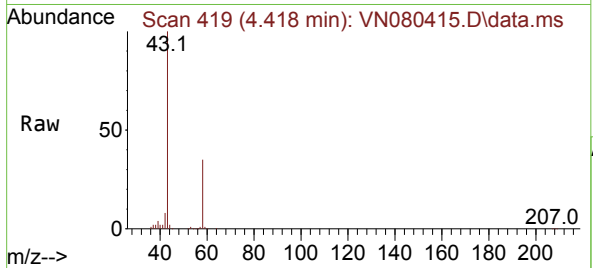




#16
Acetone
Concen: 3053.821 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

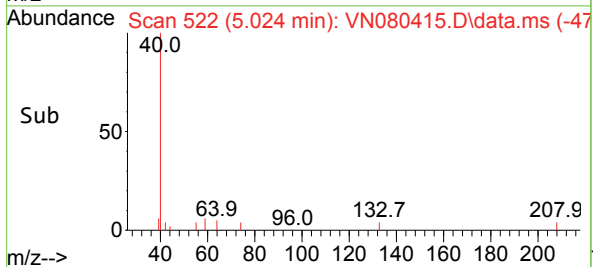
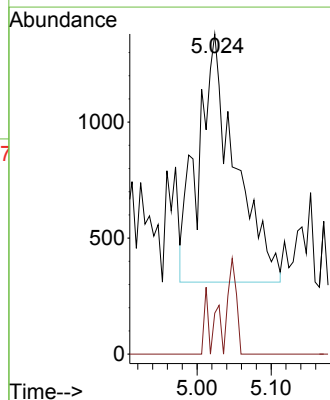
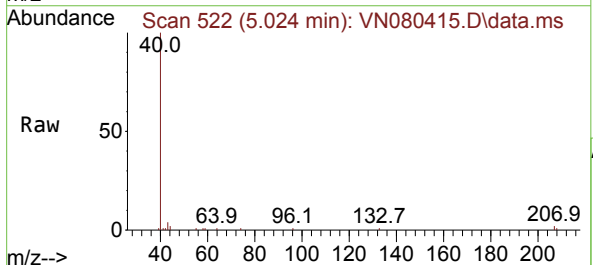
Instrument :
MSVOA_N
ClientSampleId :

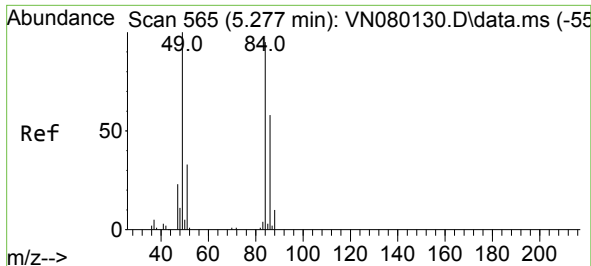
Tgt Ion: 43 Resp: 5333931
Ion Ratio Lower Upper
43 100
58 34.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.665 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

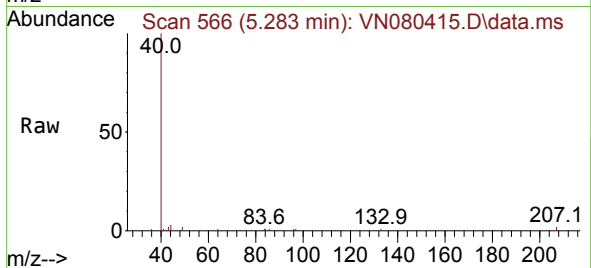
Tgt Ion: 43 Resp: 3730
Ion Ratio Lower Upper
43 100
74 2.0 26.2 39.4#



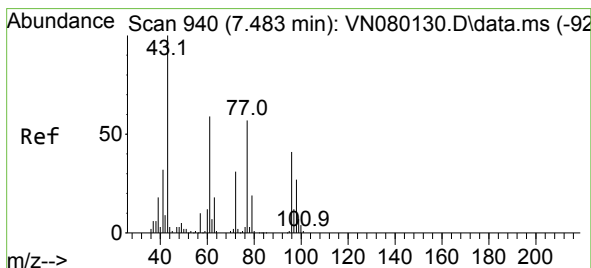
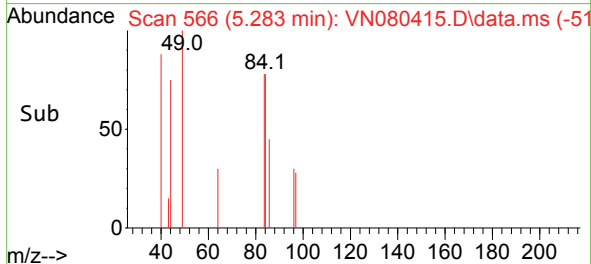
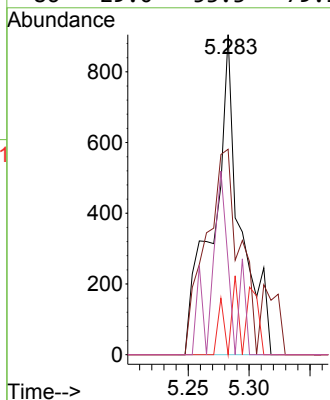


#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

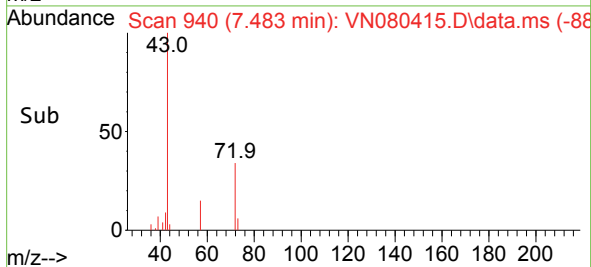
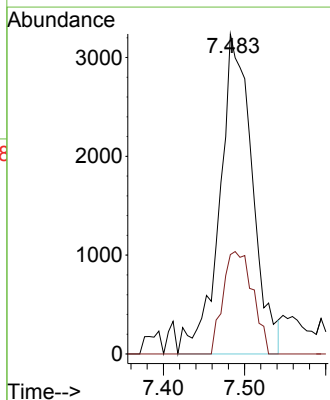
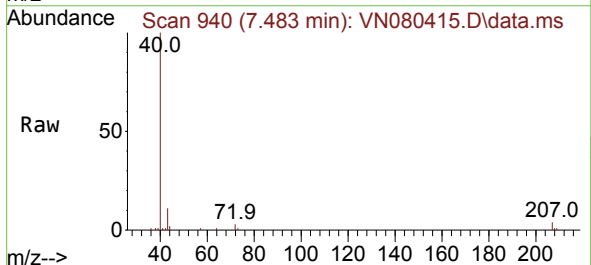


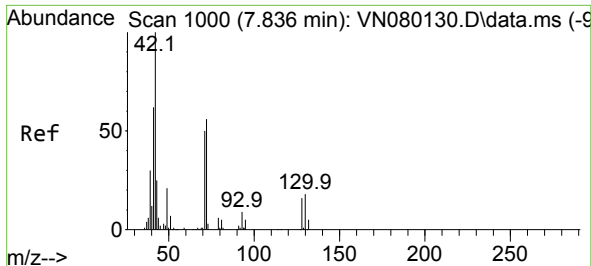
Tgt Ion: 84 Resp: 1395
Ion Ratio Lower Upper
84 100
49 64.2 79.7 119.5#
51 0.0 25.2 37.8#
86 29.0 53.3 79.9#



#25
2-Butanone
Concen: 4.360 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Tgt Ion: 43 Resp: 9048
Ion Ratio Lower Upper
43 100
72 31.1 30.2 45.2





#29

Tetrahydrofuran

Concen: 0.281 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

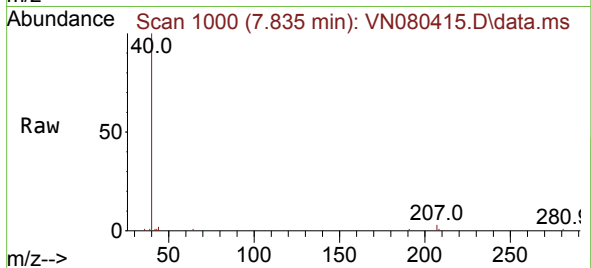
Lab File: VN080415.D

Acq: 08 Dec 2023 18:45

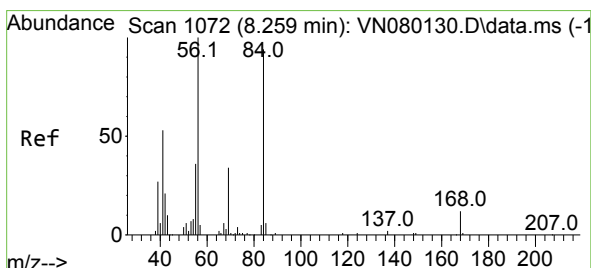
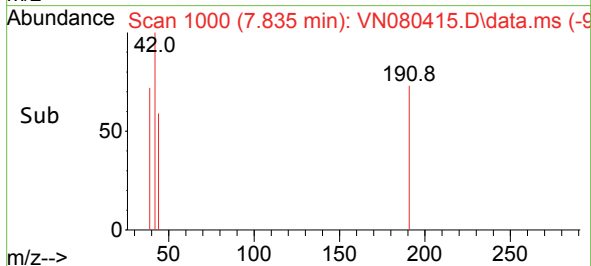
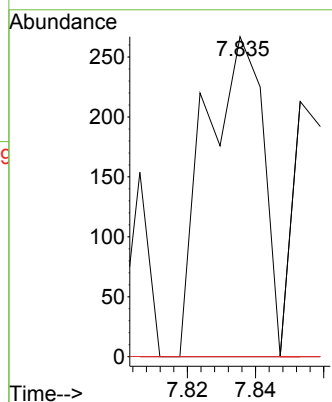
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	313
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.155 ug/l

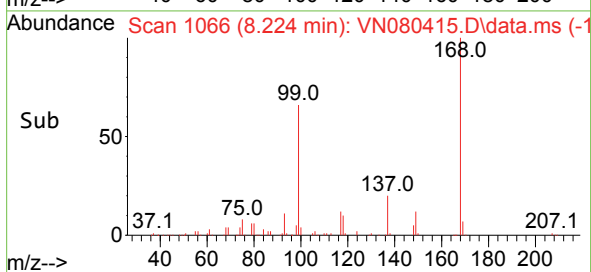
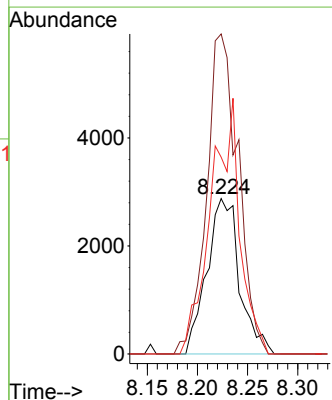
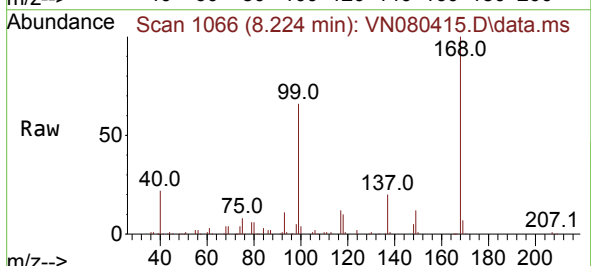
RT: 8.224 min Scan# 1066

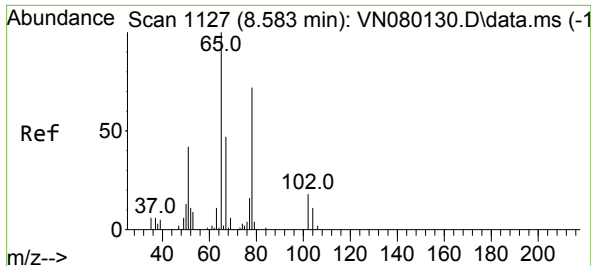
Delta R.T. -0.035 min

Lab File: VN080415.D

Acq: 08 Dec 2023 18:45

Tgt Ion:	56	Resp:	6534
Ion	Ratio	Lower	Upper
56	100		
69	206.0	26.8	40.2#
84	126.7	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.995 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080415.D

Acq: 08 Dec 2023 18:45

Instrument :

MSVOA_N

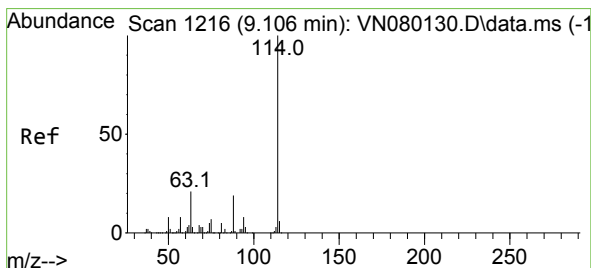
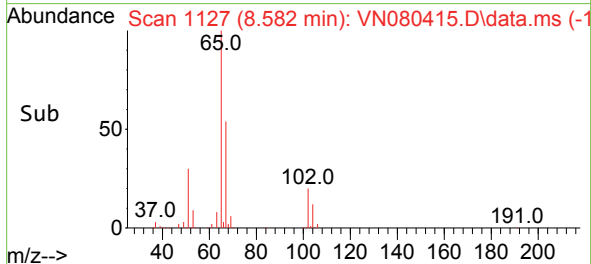
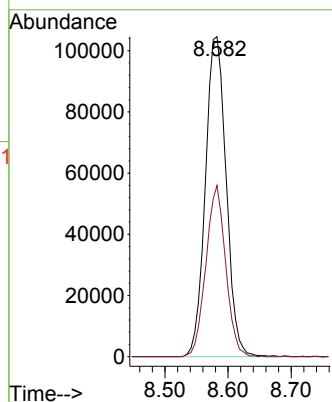
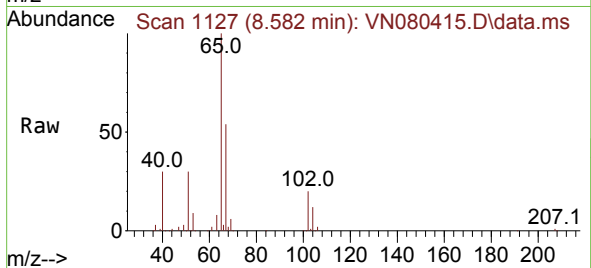
ClientSampleId :

Tgt Ion: 65 Resp: 239188

Ion Ratio Lower Upper

65 100

67 50.8 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: VN080415.D

Acq: 08 Dec 2023 18:45

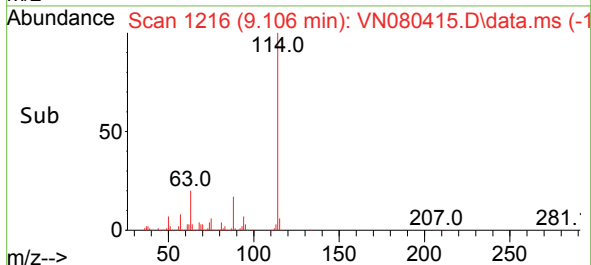
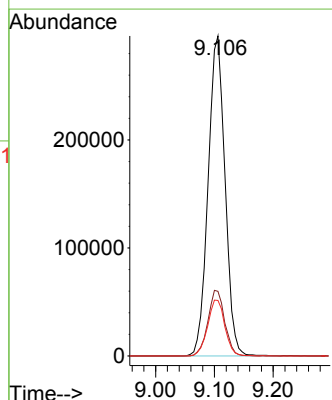
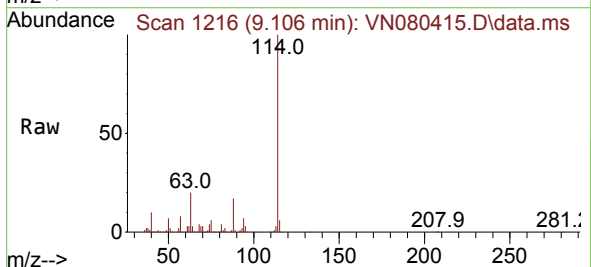
Tgt Ion: 114 Resp: 592525

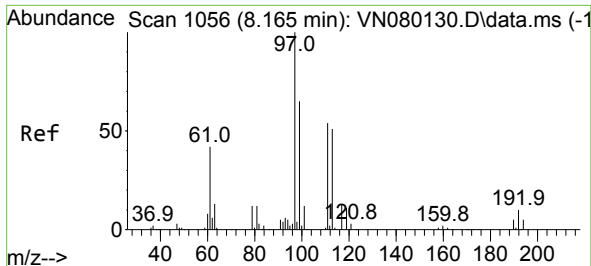
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

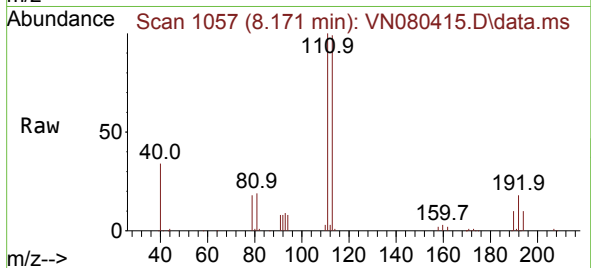
88 17.3 0.0 30.6



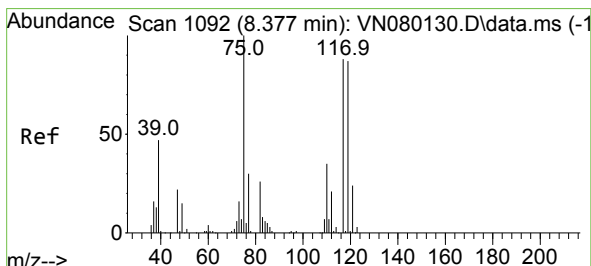
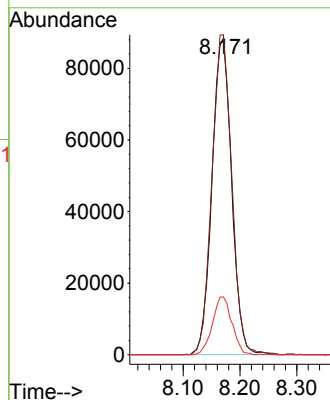
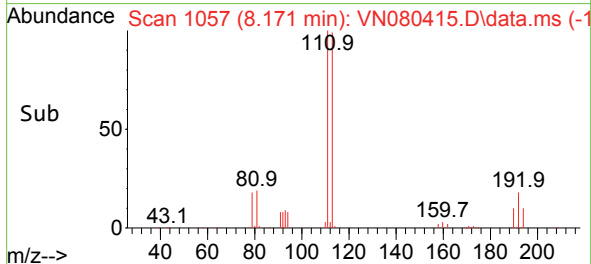


#35
Dibromofluoromethane
Concen: 48.472 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

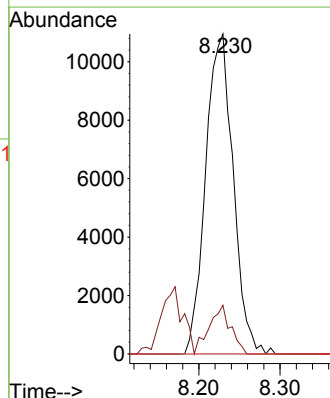
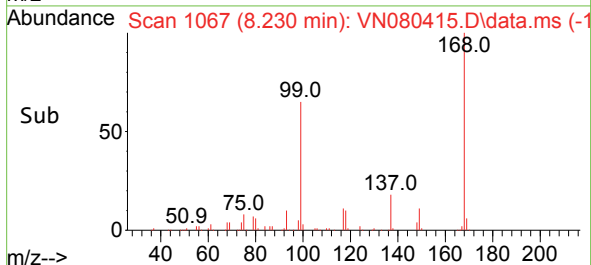
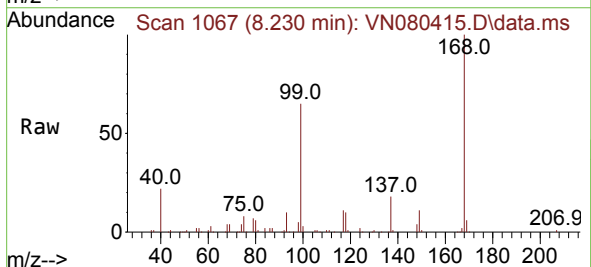


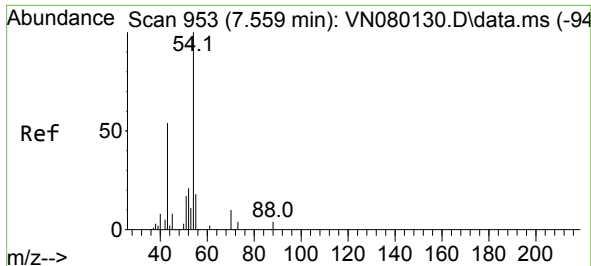
Tgt Ion:113 Resp: 211922
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 18.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.079 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

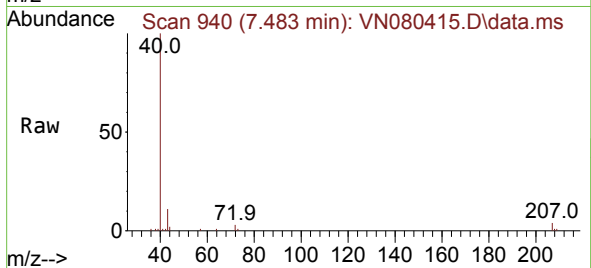
Tgt Ion: 75 Resp: 25817
Ion Ratio Lower Upper
75 100
110 11.9 19.1 57.3#
77 0.0 25.0 37.4#



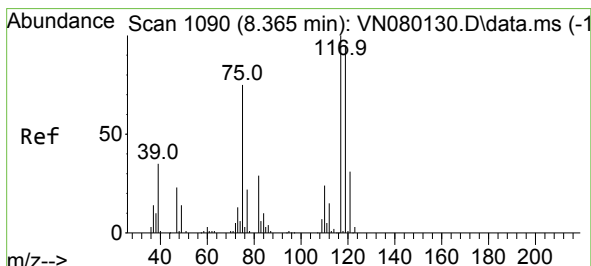
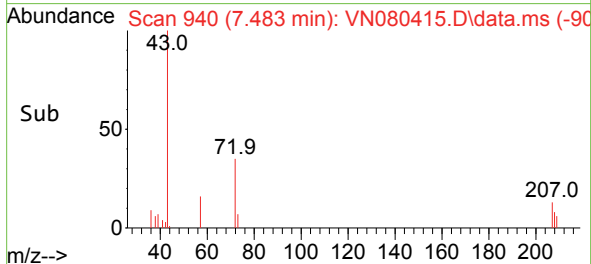
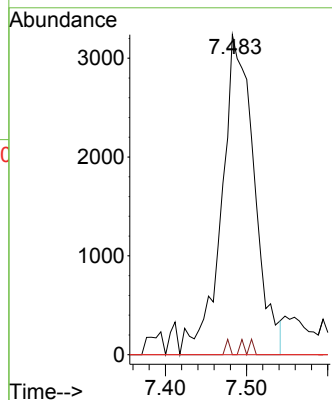


#37
Ethyl Acetate
Concen: 2.061 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.077 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

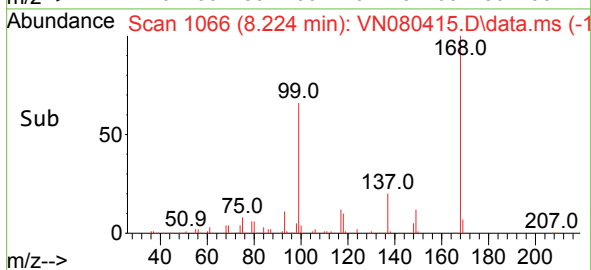
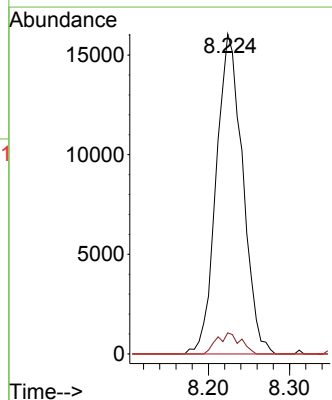
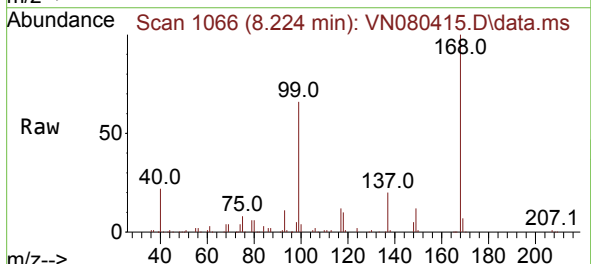


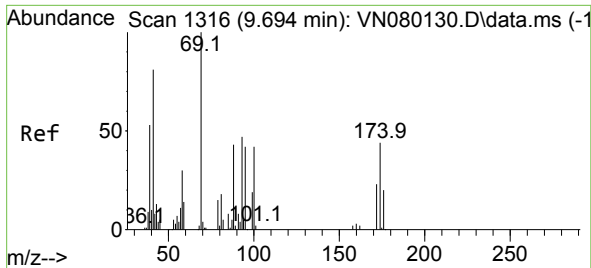
Tgt Ion: 43 Resp: 9048
Ion Ratio Lower Upper
43 100
61 0.6 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.517 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Tgt Ion: 117 Resp: 36281
Ion Ratio Lower Upper
117 100
119 6.6 77.3 115.9#
121 0.0 23.3 34.9#





#49

1,4-Dioxane

Concen: 22.061 ug/l

RT: 9.706 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN080415.D

Acq: 08 Dec 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

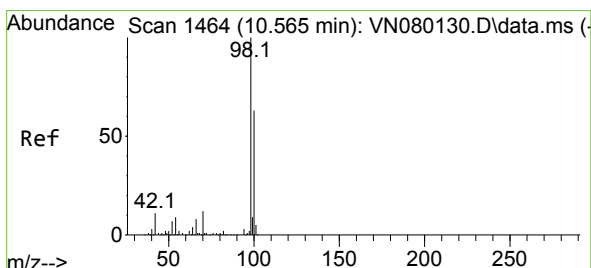
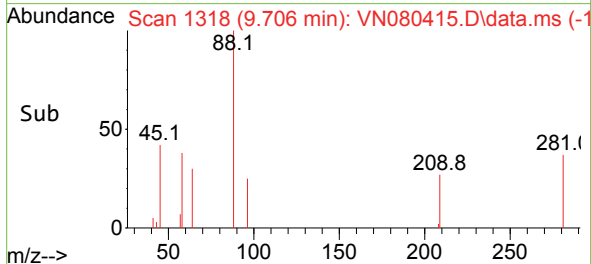
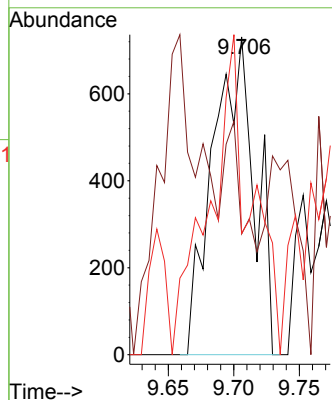
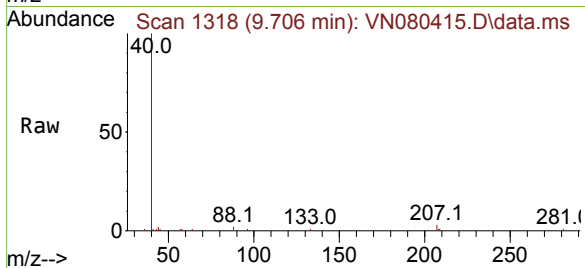
Tgt Ion: 88 Resp: 1616

Ion Ratio Lower Upper

88 100

43 34.5 17.0 25.6#

58 77.5 47.0 70.4#



#50

Toluene-d8

Concen: 49.860 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080415.D

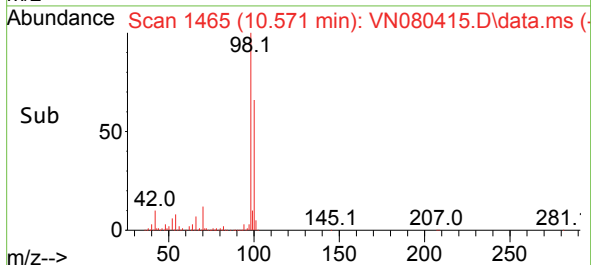
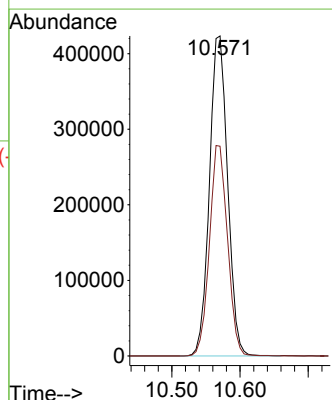
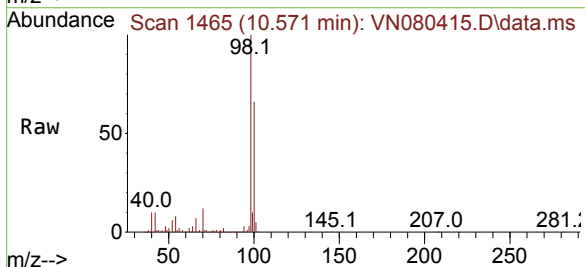
Acq: 08 Dec 2023 18:45

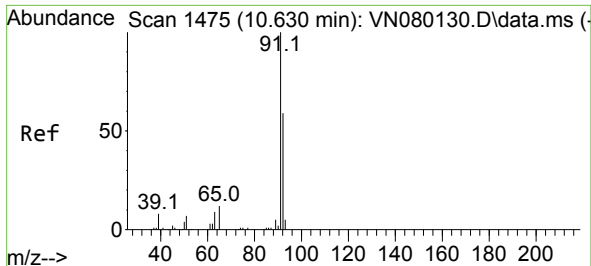
Tgt Ion: 98 Resp: 785805

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0

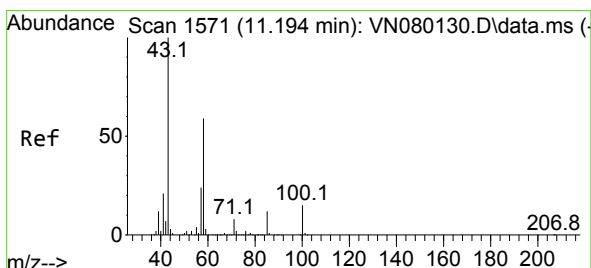
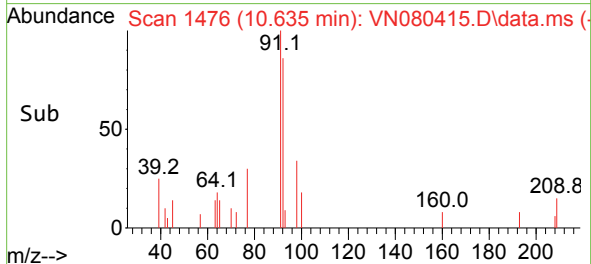
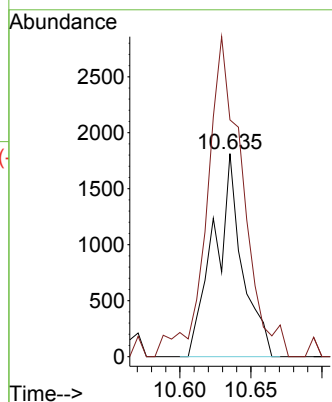
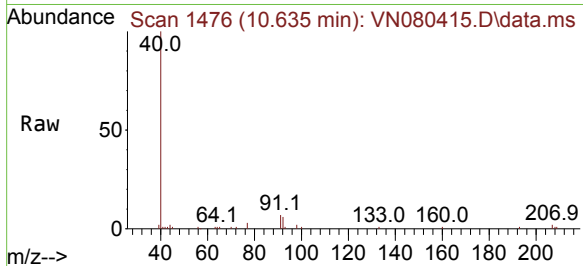




#52
Toluene
Concen: 0.222 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

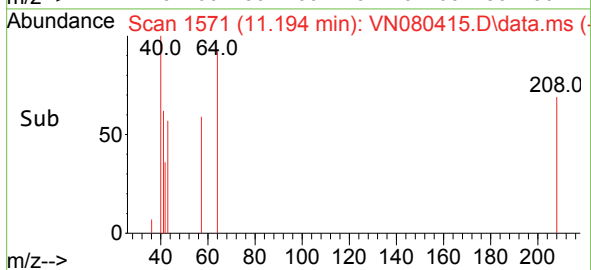
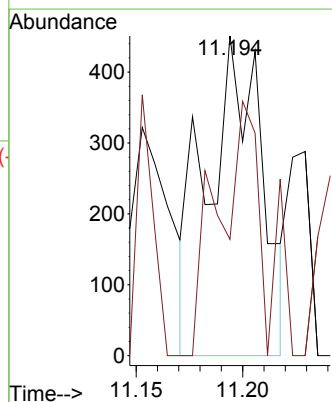
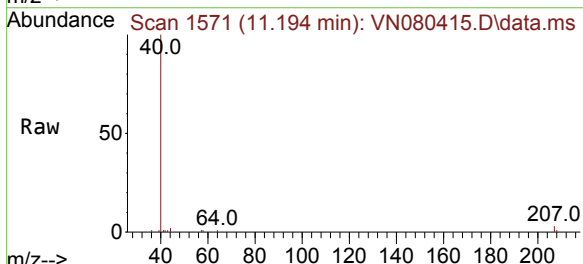
Instrument :
MSVOA_N
ClientSampleId :

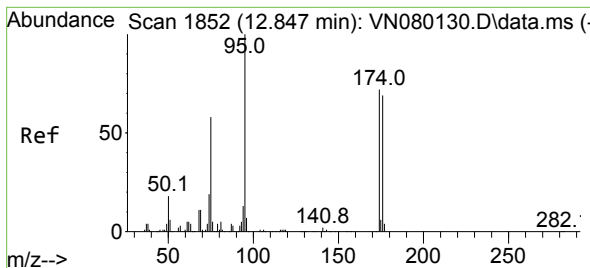
Tgt Ion: 92 Resp: 2497
Ion Ratio Lower Upper
92 100
91 199.2 137.4 206.0



#59
2-Hexanone
Concen: 0.225 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
58 68.3 31.7 95.1

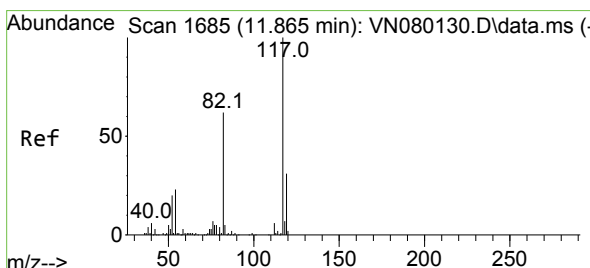
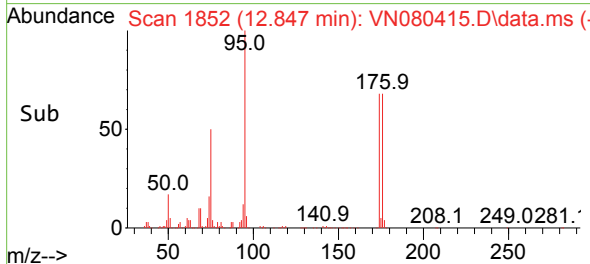
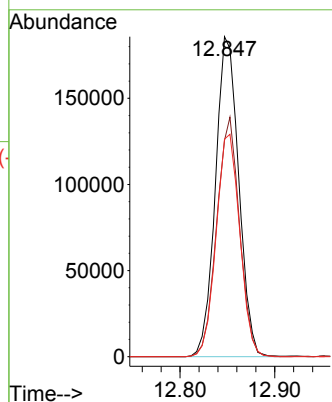
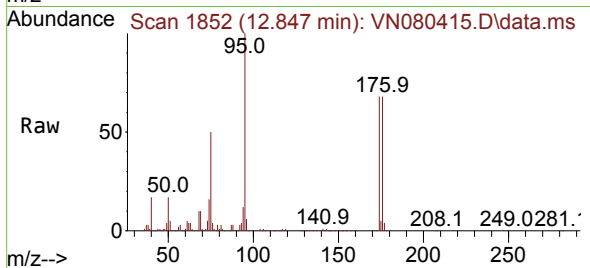




#62
4-Bromofluorobenzene
Concen: 53.379 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

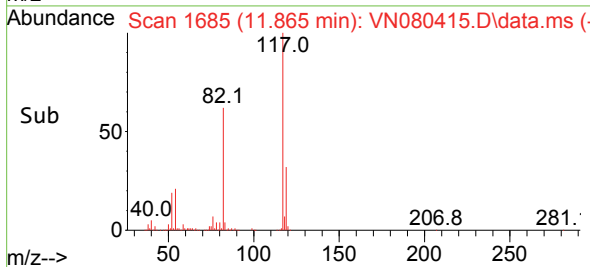
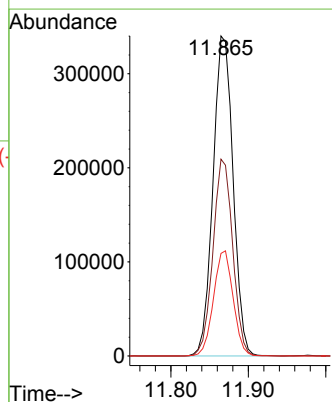
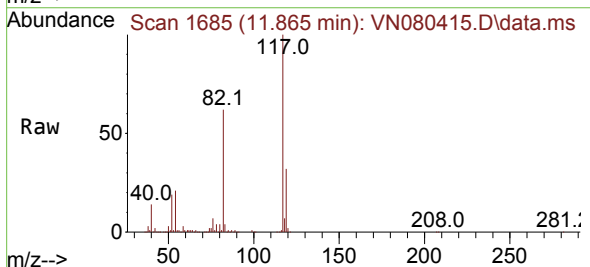
Instrument :
MSVOA_N
ClientSampleId :

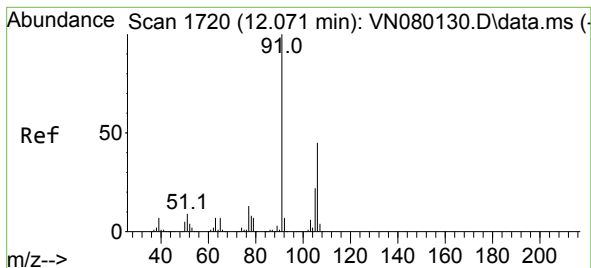
Tgt Ion: 95 Resp: 317763
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 70.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Tgt Ion: 117 Resp: 611785
Ion Ratio Lower Upper
117 100
82 61.5 44.0 66.0
119 32.1 25.6 38.4

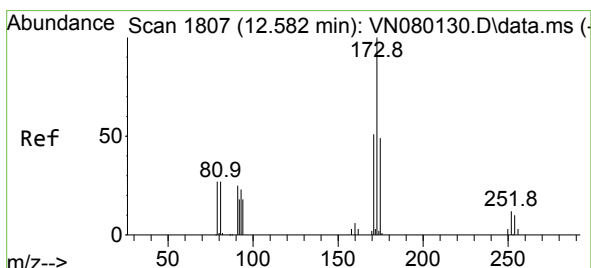
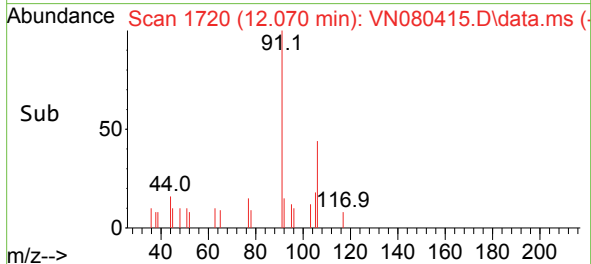
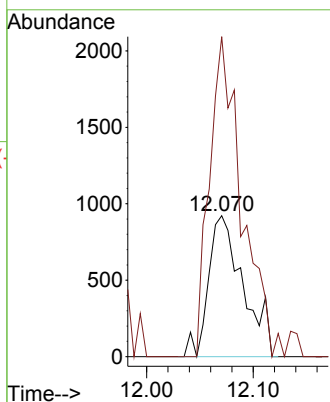
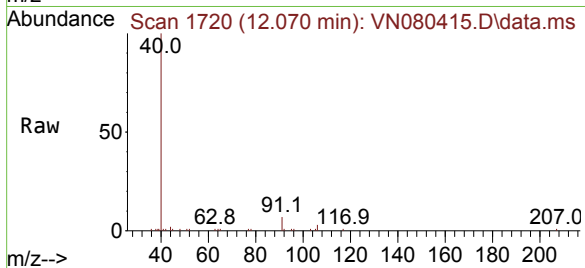




#68
m/p-Xylenes
Concen: 0.231 ug/l
RT: 12.070 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

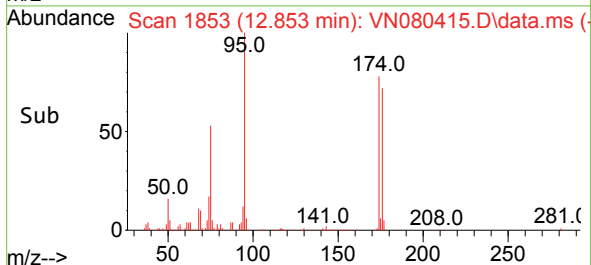
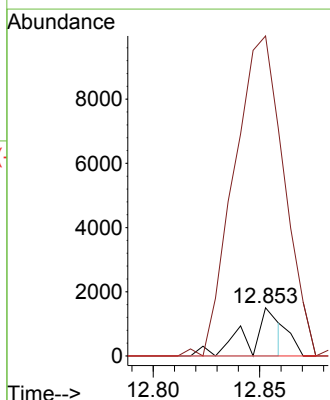
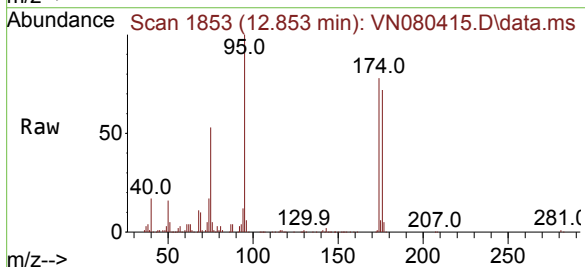
Instrument :
MSVOA_N
ClientSampleId :

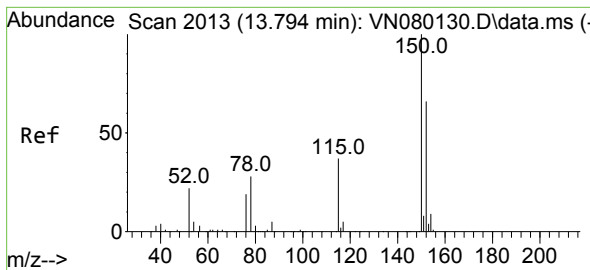
Tgt Ion:106 Resp: 2075
Ion Ratio Lower Upper
106 100
91 212.4 159.6 239.4



#71
Bromoform
Concen: 0.373 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

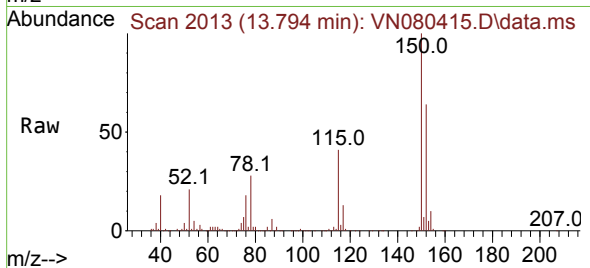
Tgt Ion:173 Resp: 1487
Ion Ratio Lower Upper
173 100
175 957.7 24.3 73.0#
254 0.0 0.0 0.0



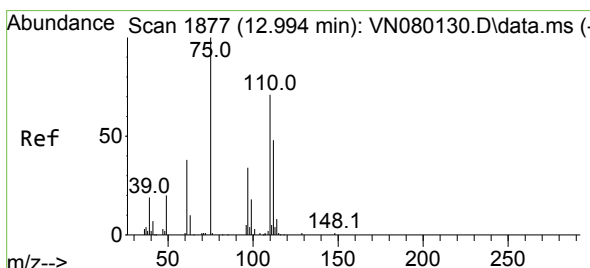
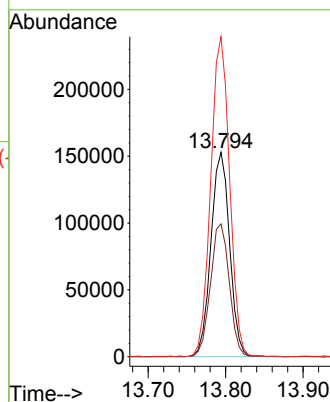
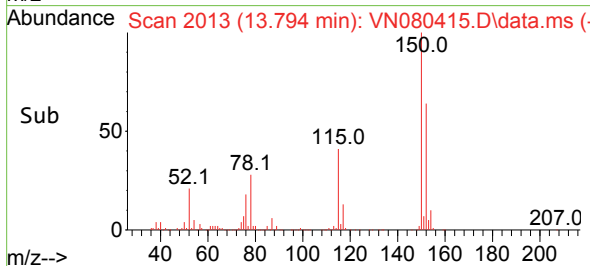


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080415.D
 Acq: 08 Dec 2023 18:45

Instrument :
 MSVOA_N
 ClientSampleId :

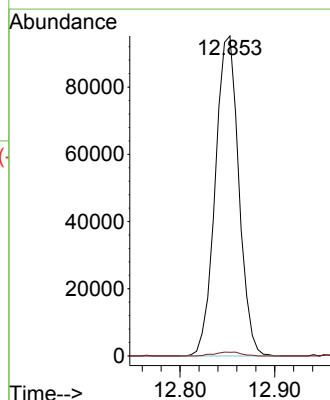
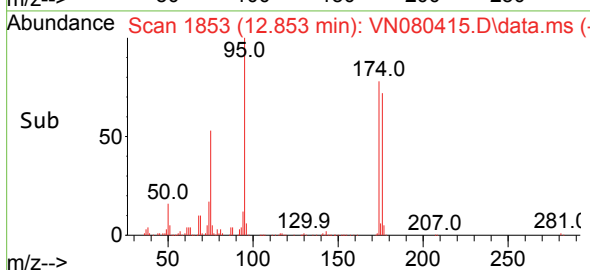
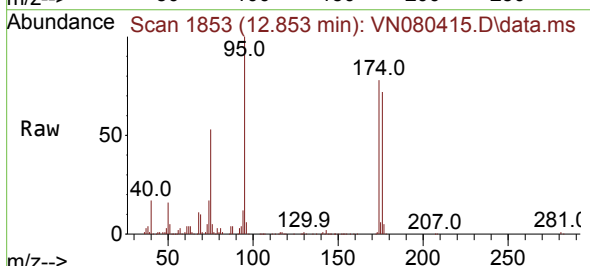


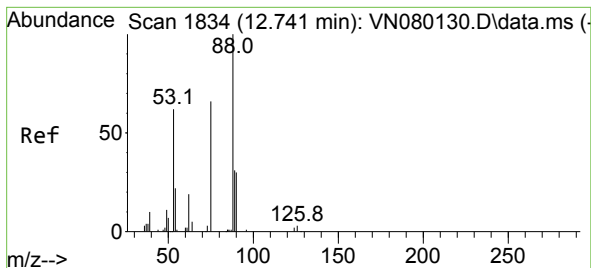
Tgt Ion:152 Resp: 255419
 Ion Ratio Lower Upper
 152 100
 115 65.9 32.3 96.8
 150 158.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 26.259 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080415.D
 Acq: 08 Dec 2023 18:45

Tgt Ion: 75 Resp: 164335
 Ion Ratio Lower Upper
 75 100
 77 1.4 84.5 253.5#

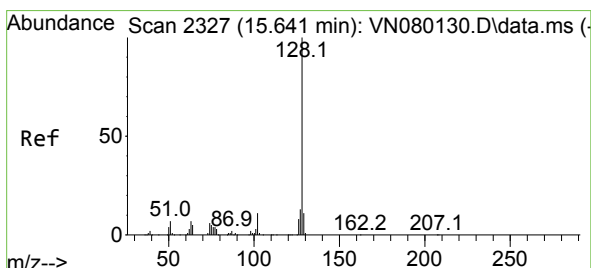
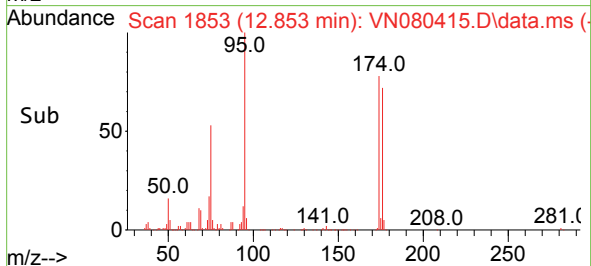
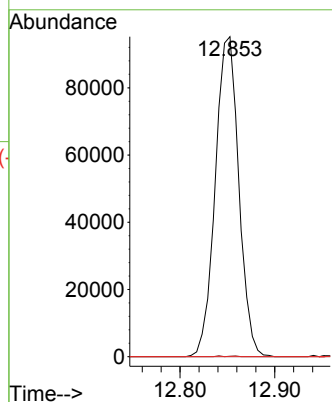
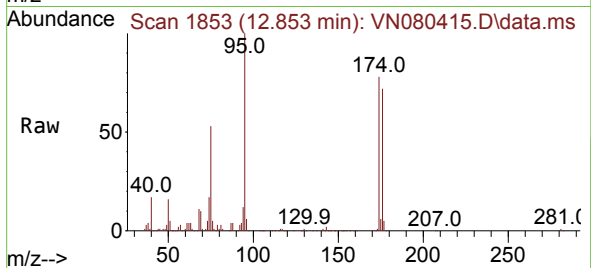




#81
trans-1,4-Dichloro-2-butene
Concen: 88.719 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 164335
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.200 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080415.D
Acq: 08 Dec 2023 18:45

Tgt Ion:128 Resp: 2915
Ion Ratio Lower Upper
128 100
127 4.9 10.0 15.0#
129 17.9 8.7 13.1#

