

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080531.D
 Acq On : 19 Dec 2023 19:31
 Operator : JC\MD
 Sample : 05873-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 04:07:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

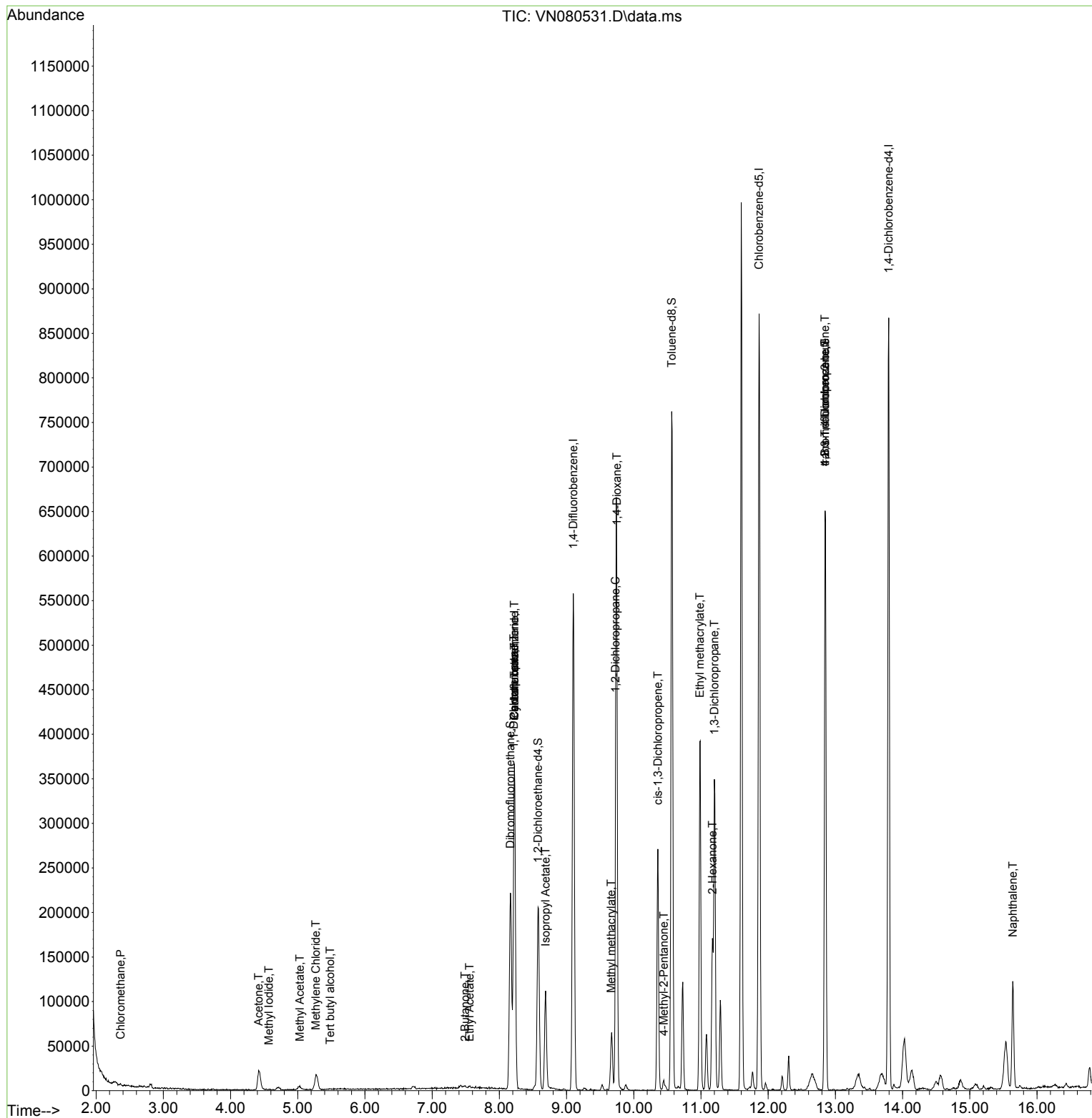
Internal Standards						
1) Pentafluorobenzene	8.224	168	258765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	485381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	504523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	185988	56.274	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.540%
35) Dibromofluoromethane	8.165	113	153893	50.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.020%
50) Toluene-d8	10.565	98	546376	47.604	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.200%
62) 4-Bromofluorobenzene	12.847	95	236802	54.333	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.660%
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	2829	0.417	ug/l	95
10) Methyl Iodide	4.571	142	730	0.306	ug/l #	38
11) Tert butyl alcohol	5.483	59	331	0.850	ug/l #	72
16) Acetone	4.418	43	41245	70.382	ug/l	97
18) Methyl Acetate	5.030	43	7645	2.027	ug/l #	42
20) Methylene Chloride	5.271	84	14462	4.611	ug/l	95
25) 2-Butanone	7.488	43	3577	3.169	ug/l #	85
31) Cyclohexane	8.224	56	5280	1.175	ug/l #	17
36) 1,1-Dichloropropene	8.218	75	21008	4.175	ug/l #	50
37) Ethyl Acetate	7.559	43	2488	0.790	ug/l #	85
38) Carbon Tetrachloride	8.224	117	28106	4.675	ug/l #	14
43) Isopropyl Acetate	8.688	43	116880	20.630	ug/l #	89
45) 1,2-Dichloropropane	9.729	63	1063	0.311	ug/l #	45
48) Methyl methacrylate	9.665	41	2530	0.748	ug/l #	29
49) 1,4-Dioxane	9.747	88	71	1.385	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	4339	1.391	ug/l #	56
54) cis-1,3-Dichloropropene	10.359	75	52615	8.662	ug/l #	64
56) Ethyl methacrylate	10.982	69	1575	0.431	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4092	0.707	ug/l #	42
59) 2-Hexanone	11.171	43	169826	73.724	ug/l #	19
76) 1,2,3-Trichloropropane	12.847	75	128436	27.666	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	128436	72.639	ug/l #	15
95) Naphthalene	15.641	128	111293	8.580	ug/l	99

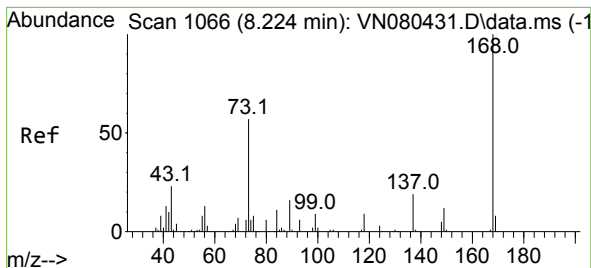
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

Instrument :

MSVOA_N

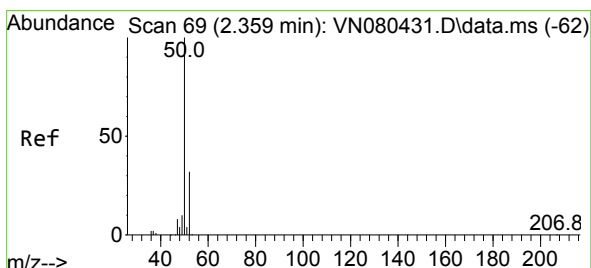
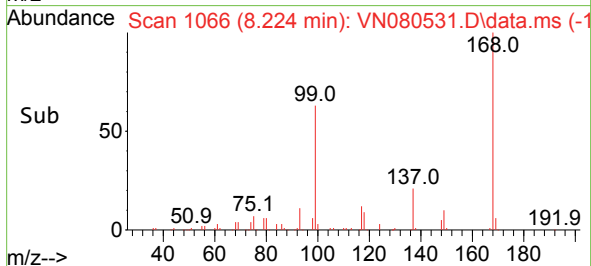
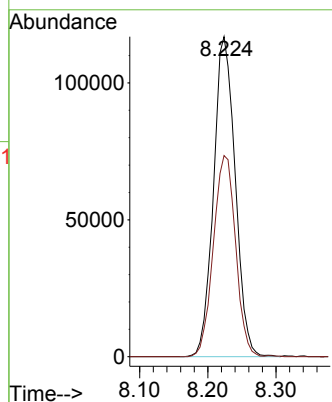
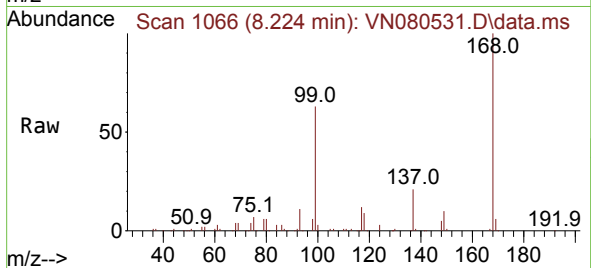
ClientSampleId :

Tgt Ion:168 Resp: 258765

Ion Ratio Lower Upper

168 100

99 62.9 53.0 79.6



#3

Chloromethane

Concen: 0.417 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080531.D

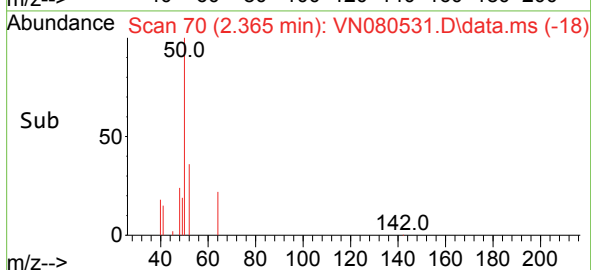
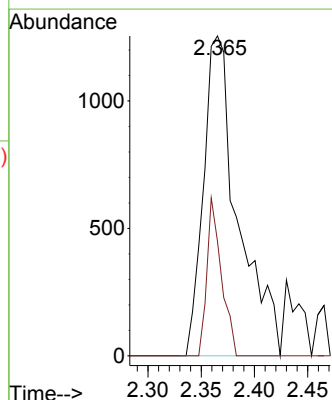
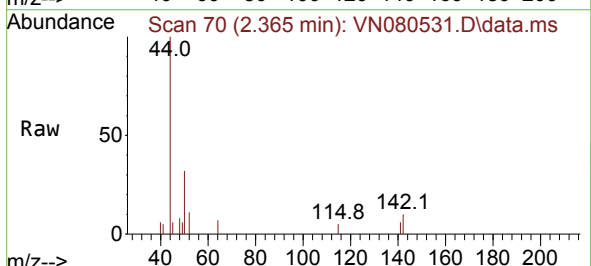
Acq: 19 Dec 2023 19:31

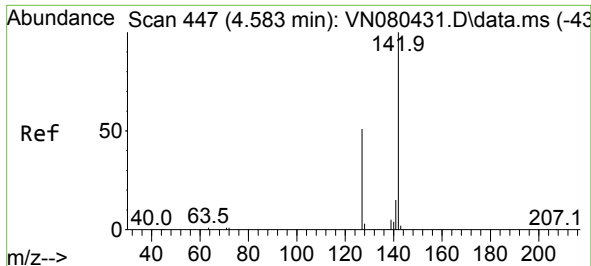
Tgt Ion: 50 Resp: 2829

Ion Ratio Lower Upper

50 100

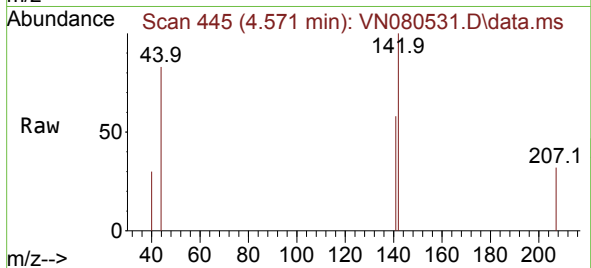
52 35.9 26.5 39.7



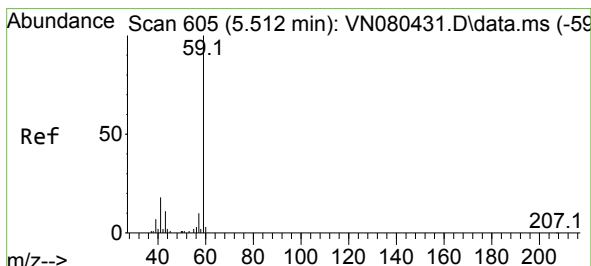
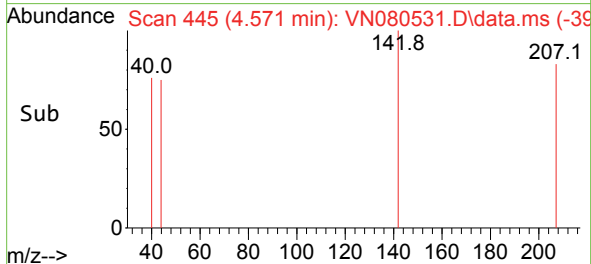


#10
Methyl Iodide
Concen: 0.306 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.012 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

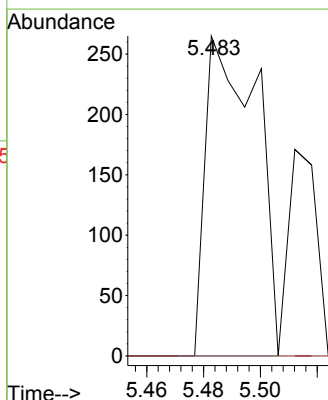
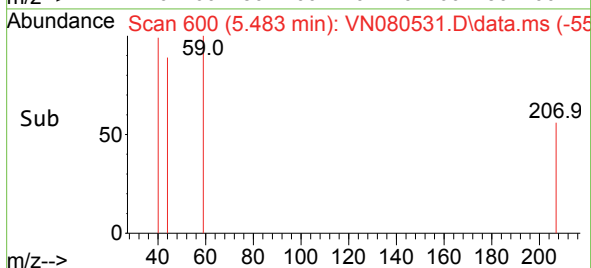
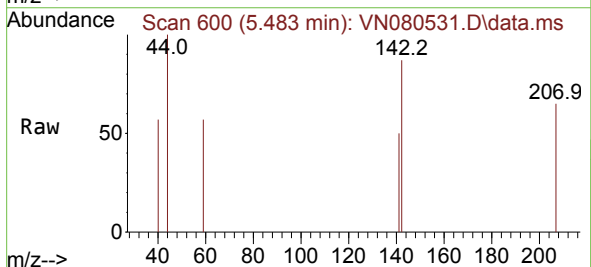


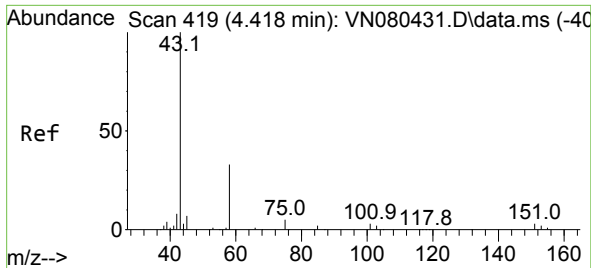
Tgt Ion:142 Resp: 730
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.850 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.029 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Tgt Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

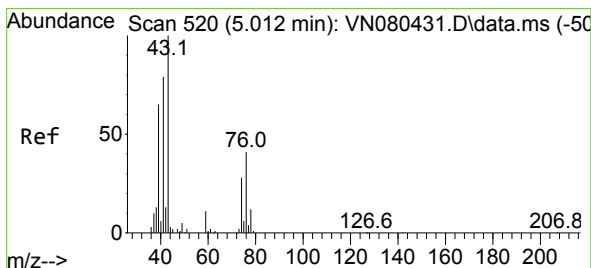
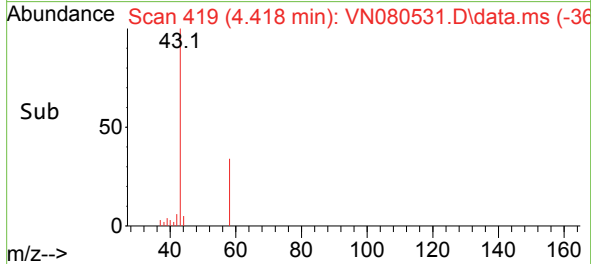
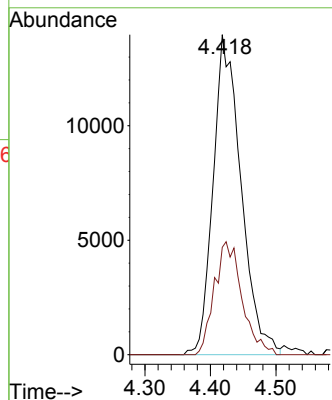
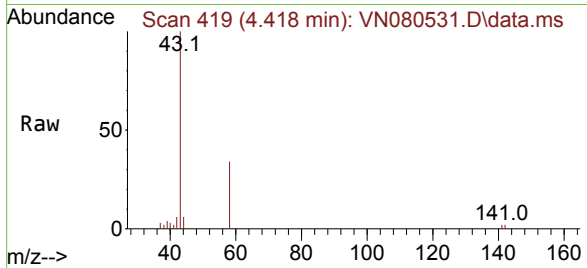




#16
Acetone
Concen: 70.382 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

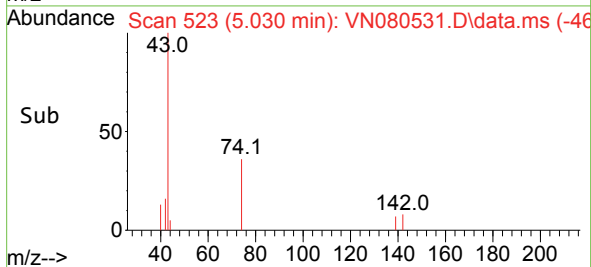
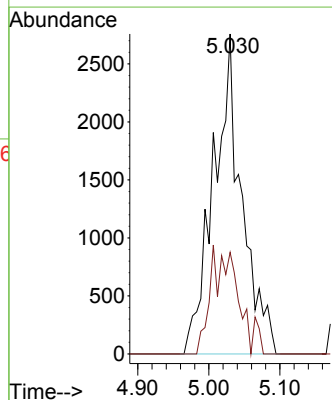
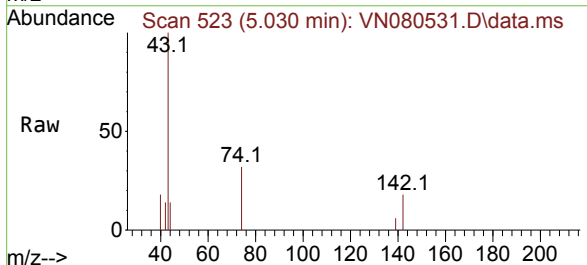
Instrument :
MSVOA_N
ClientSampleId :

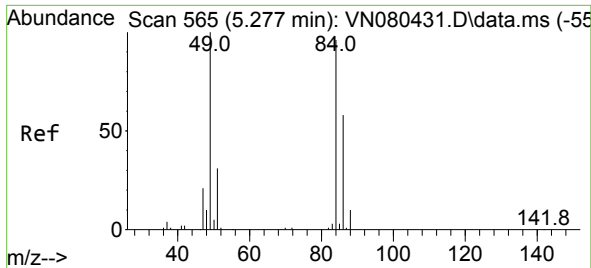
Tgt Ion: 43 Resp: 41245
Ion Ratio Lower Upper
43 100
58 33.5 28.0 42.0



#18
Methyl Acetate
Concen: 2.027 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.018 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

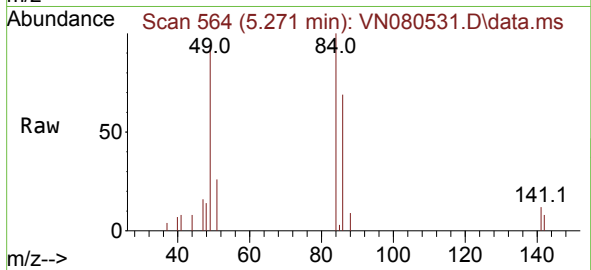
Tgt Ion: 43 Resp: 7645
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



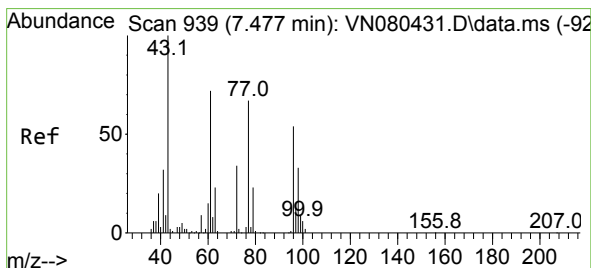
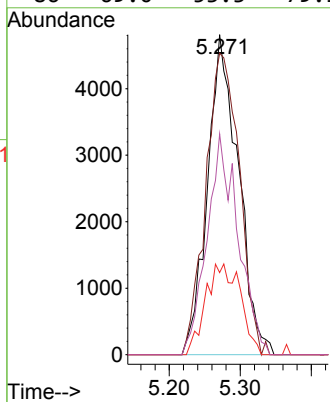
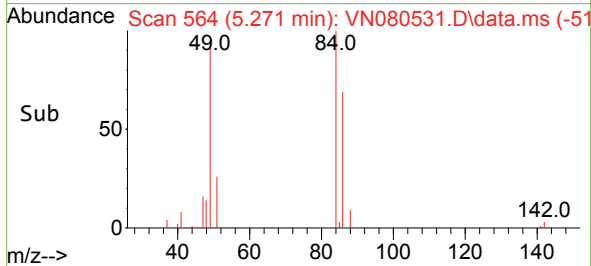


#20
Methylene Chloride
Concen: 4.611 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

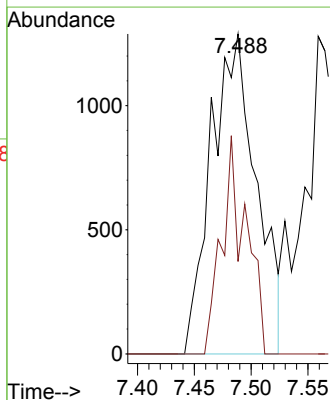
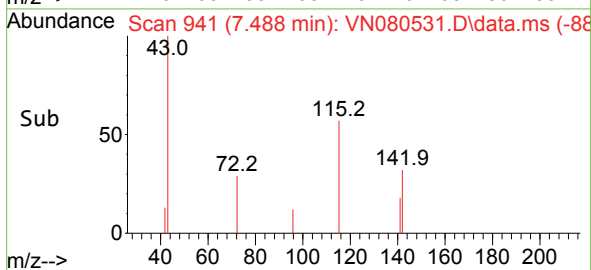
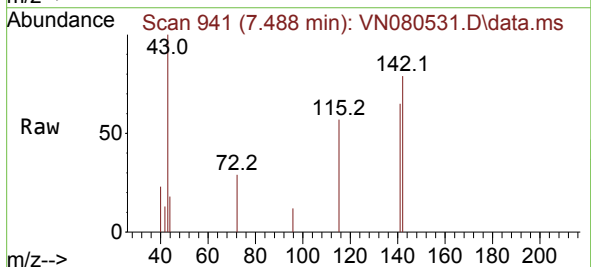


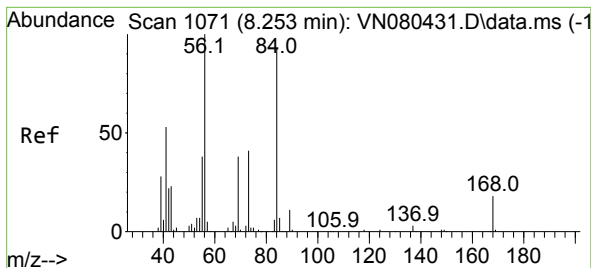
Tgt Ion:	84	Resp:	14462
Ion	Ratio	Lower	Upper
84	100		
49	94.2	79.7	119.5
51	25.7	25.2	37.8
86	69.0	53.3	79.9



#25
2-Butanone
Concen: 3.169 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Tgt Ion:	43	Resp:	3577
Ion	Ratio	Lower	Upper
43	100		
72	28.9	30.2	45.2#





#31

Cyclohexane

Concen: 1.175 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

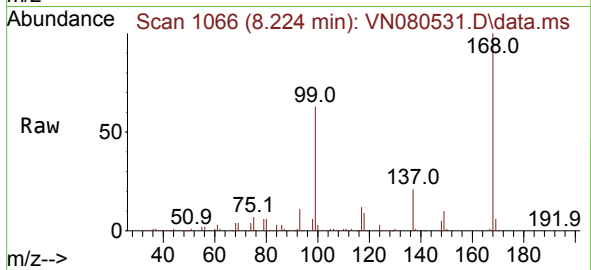
Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :



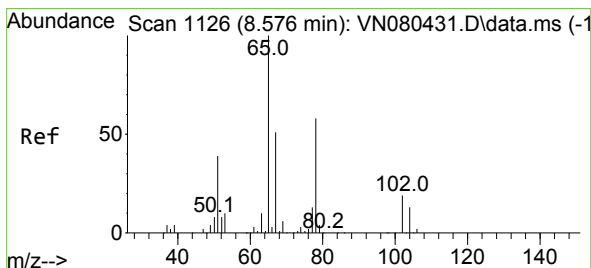
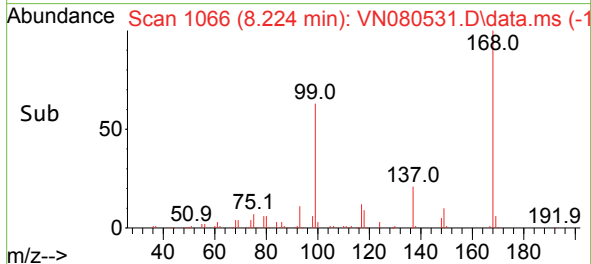
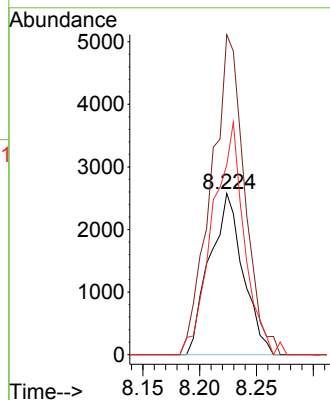
Tgt Ion: 56 Resp: 5280

Ion Ratio Lower Upper

56 100

69 198.4 26.8 40.2#

84 117.6 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 56.274 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080531.D

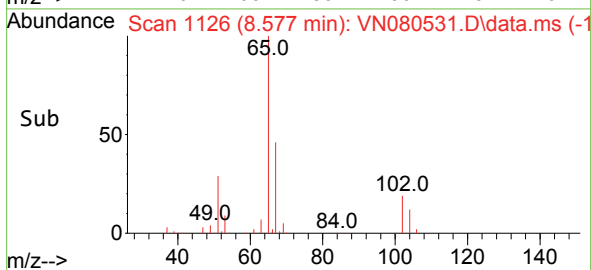
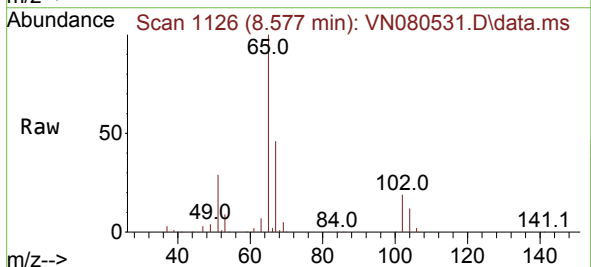
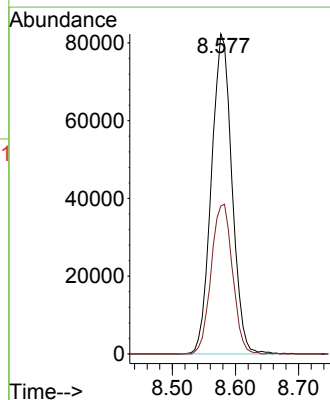
Acq: 19 Dec 2023 19:31

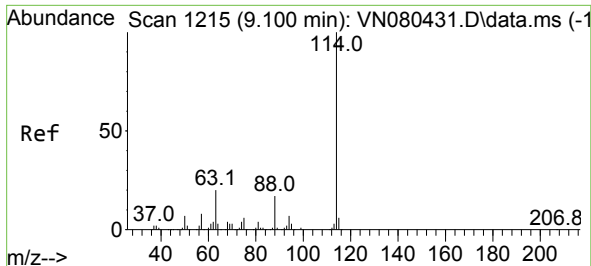
Tgt Ion: 65 Resp: 185988

Ion Ratio Lower Upper

65 100

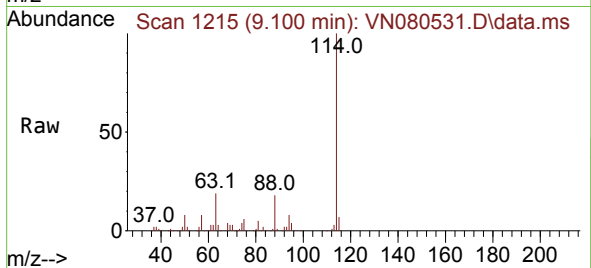
67 48.5 0.0 106.6



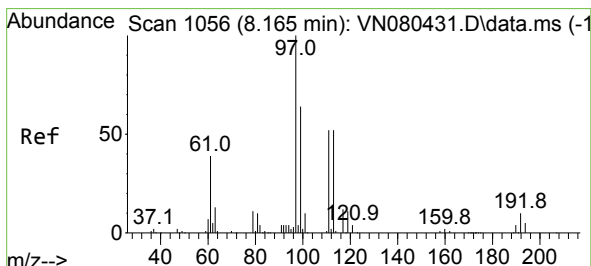
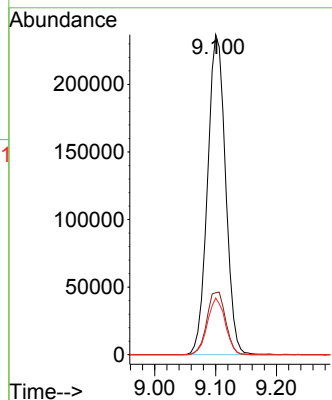
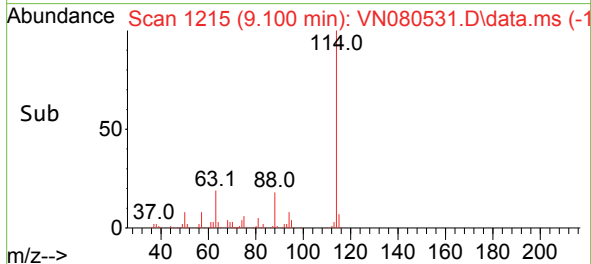


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

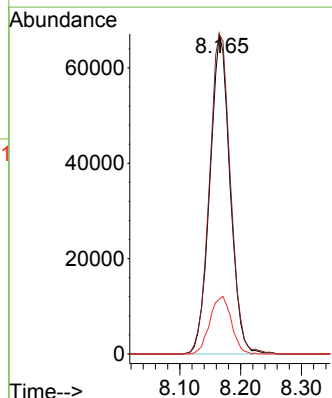
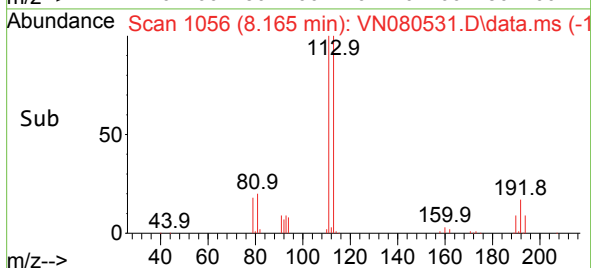
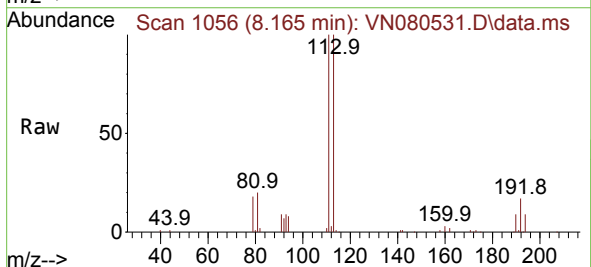


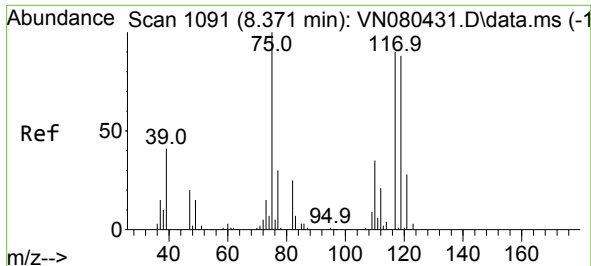
Tgt Ion:114 Resp: 485381
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.4
88 17.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.006 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Tgt Ion:113 Resp: 153893
Ion Ratio Lower Upper
113 100
111 104.5 82.6 123.8
192 19.2 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.175 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

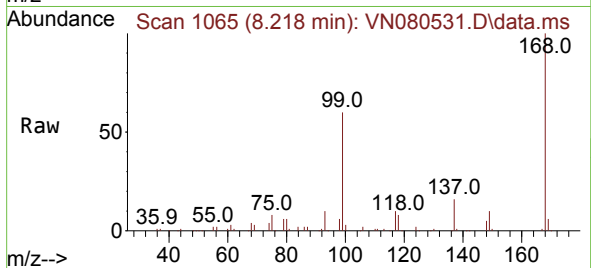
Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :



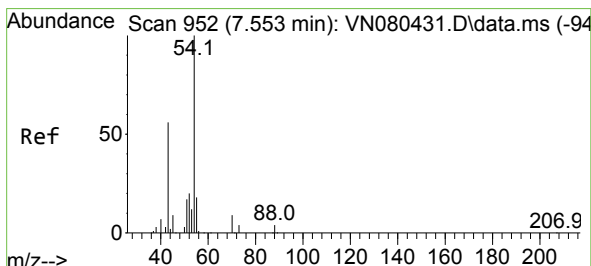
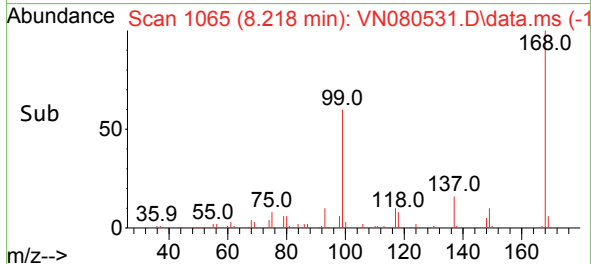
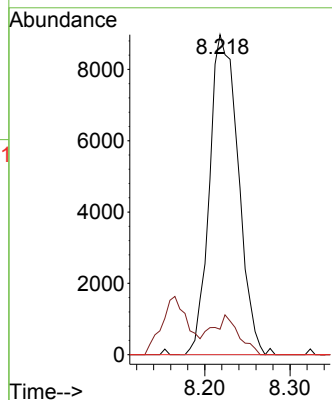
Tgt Ion: 75 Resp: 21008

Ion Ratio Lower Upper

75 100

110 11.7 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.790 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

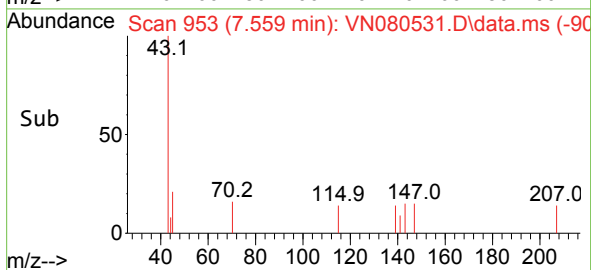
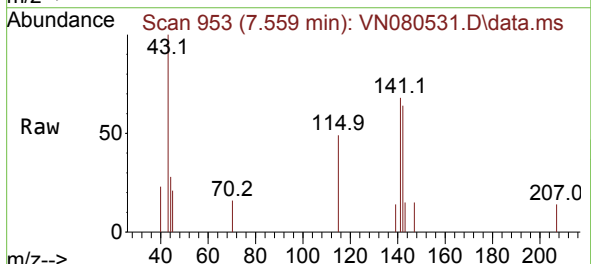
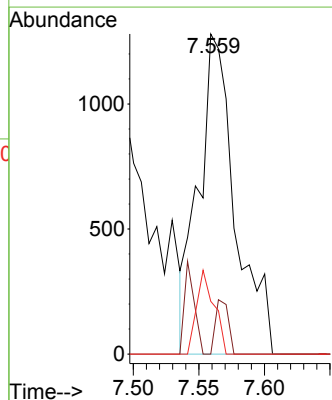
Tgt Ion: 43 Resp: 2488

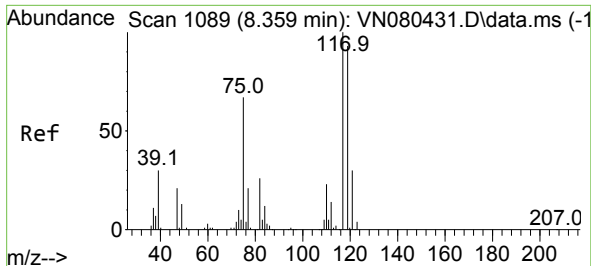
Ion Ratio Lower Upper

43 100

61 5.9 13.2 19.8#

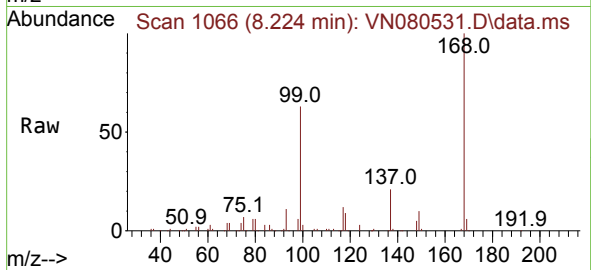
70 12.5 11.3 16.9



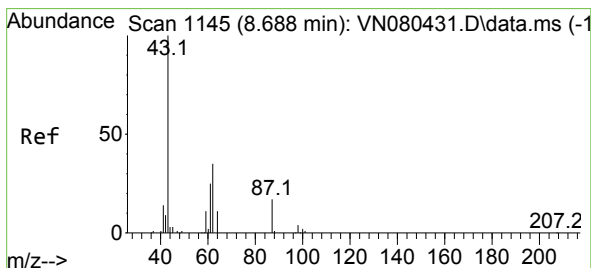
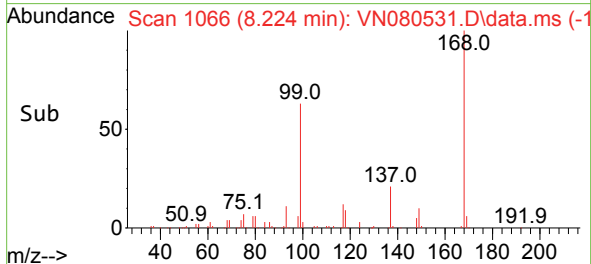
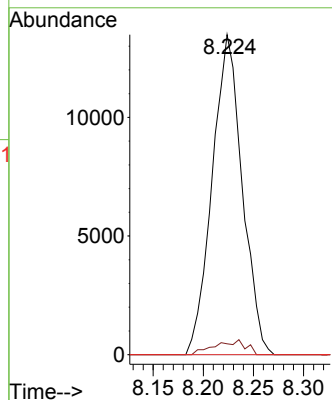


#38
Carbon Tetrachloride
Concen: 4.675 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

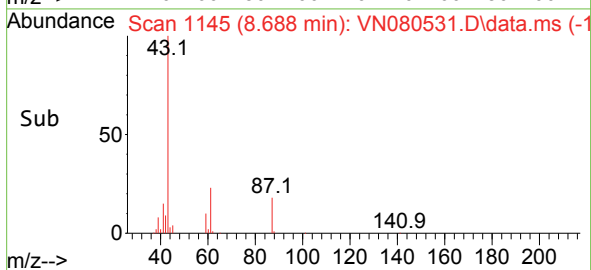
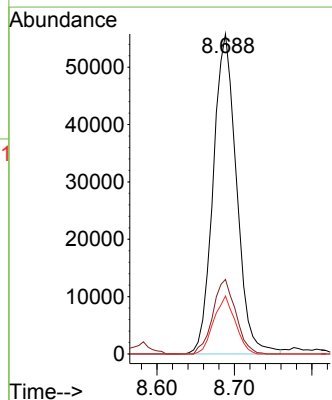
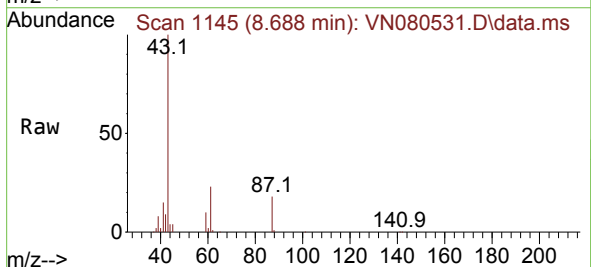


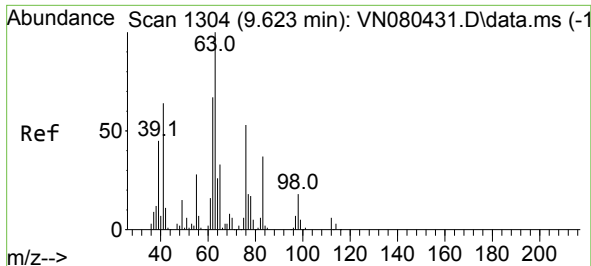
Tgt Ion:117 Resp: 28106
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 20.630 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Tgt Ion: 43 Resp: 116880
Ion Ratio Lower Upper
43 100
61 22.9 24.7 37.1#
87 16.6 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.311 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

Instrument :

MSVOA_N

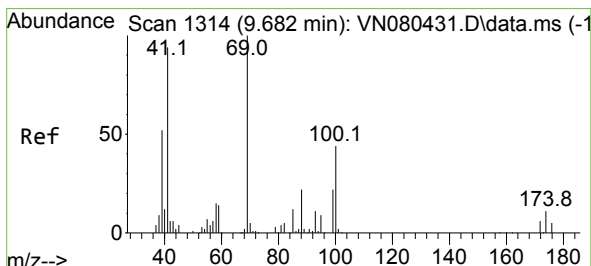
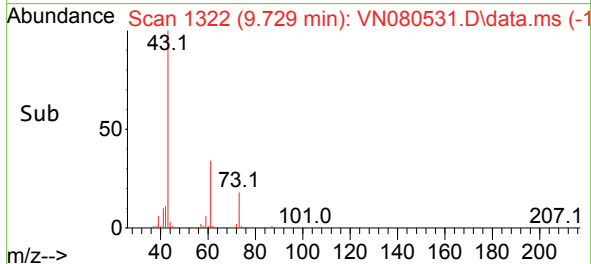
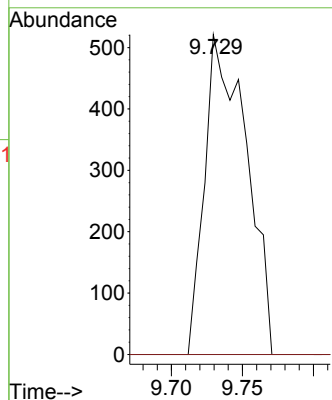
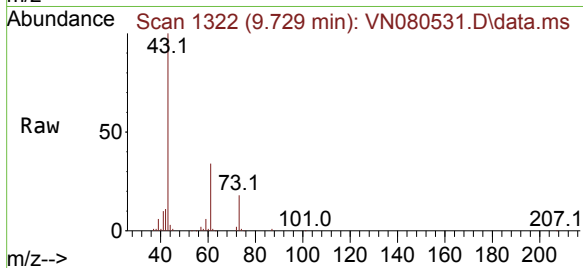
ClientSampleId :

Tgt Ion: 63 Resp: 1063

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 0.748 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.017 min

Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

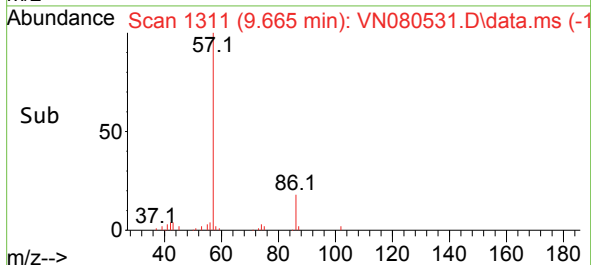
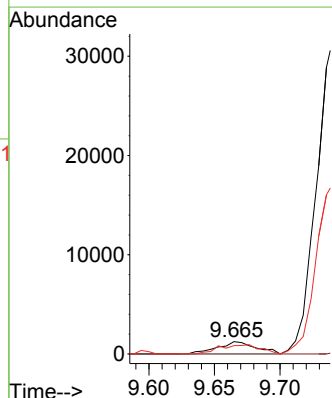
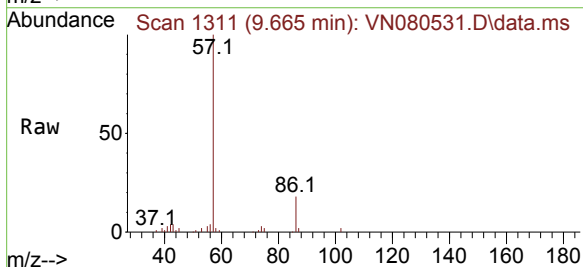
Tgt Ion: 41 Resp: 2530

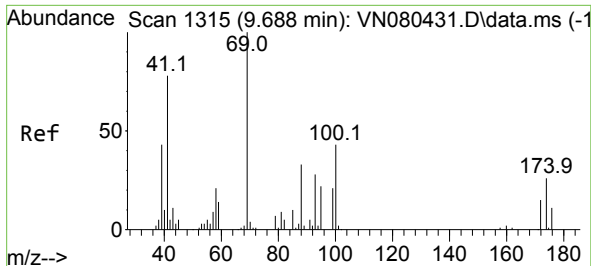
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 79.8 54.6 81.8





#49

1,4-Dioxane

Concen: 1.385 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

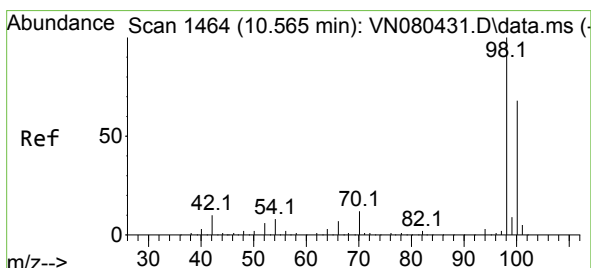
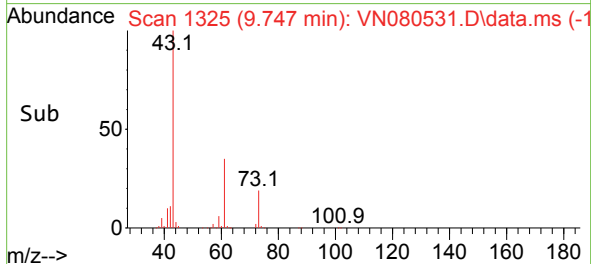
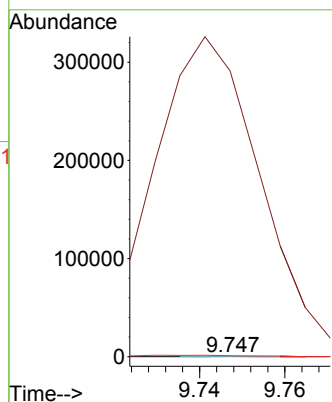
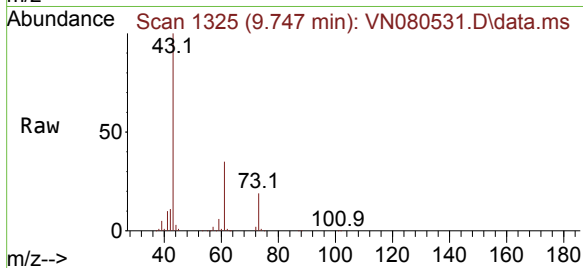
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 822362.0 17.0 25.6#

58 3940.8 47.0 70.4#



#50

Toluene-d8

Concen: 47.604 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080531.D

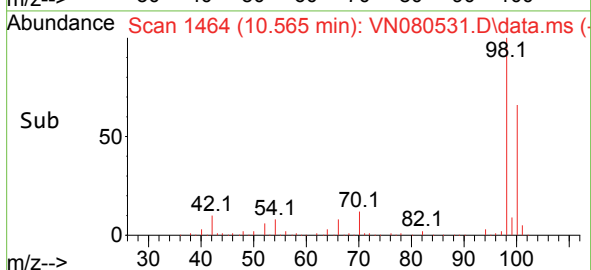
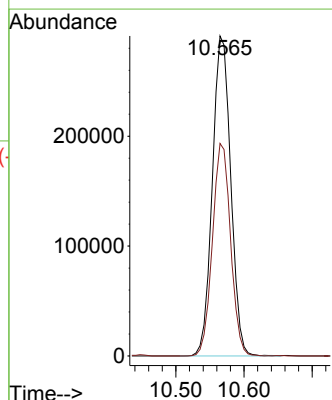
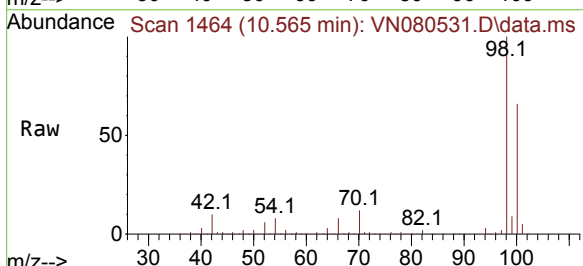
Acq: 19 Dec 2023 19:31

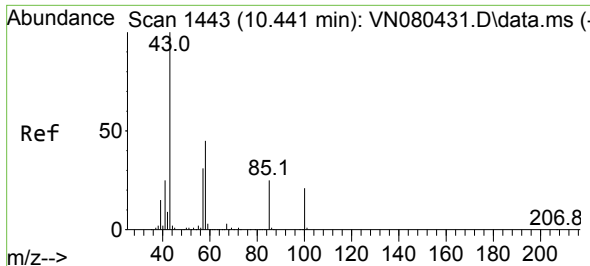
Tgt Ion: 98 Resp: 546376

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0

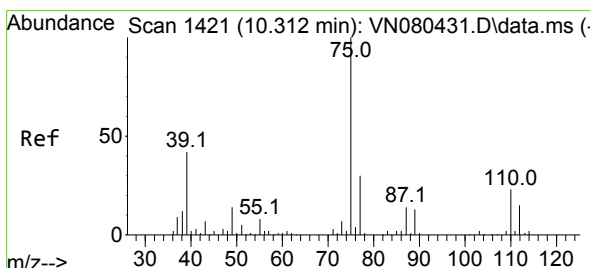
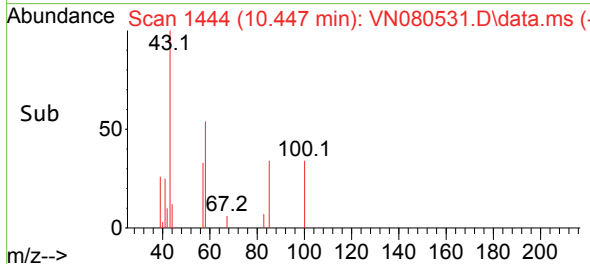
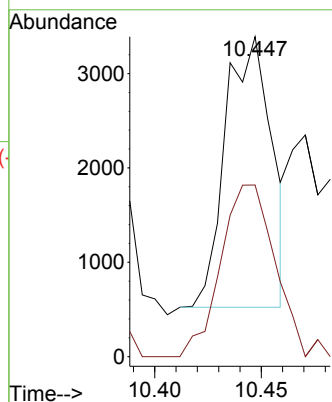
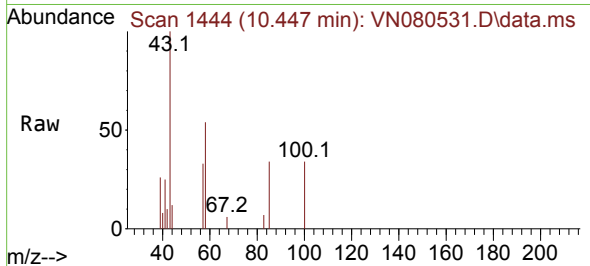




#51
4-Methyl-2-Pentanone
Concen: 1.391 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

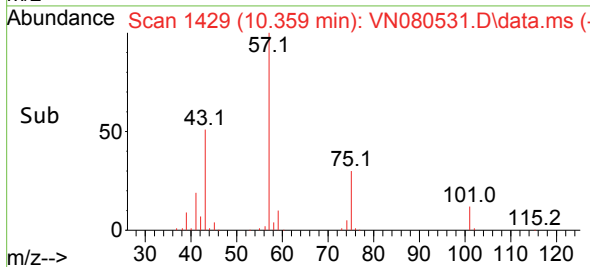
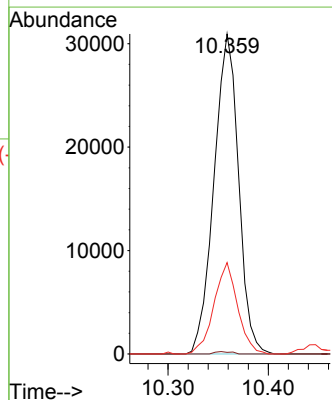
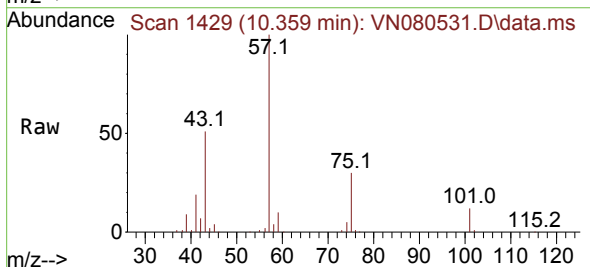
Instrument :
MSVOA_N
ClientSampleId :

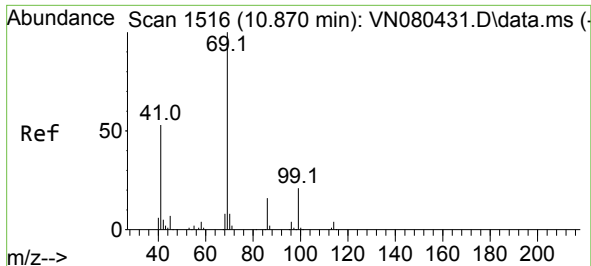
Tgt Ion: 43 Resp: 4339
Ion Ratio Lower Upper
43 100
58 74.9 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 8.662 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

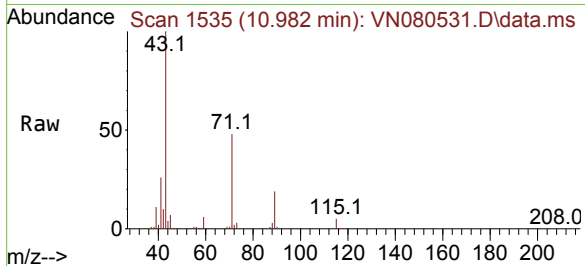
Tgt Ion: 75 Resp: 52615
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 28.5 31.6 47.4#



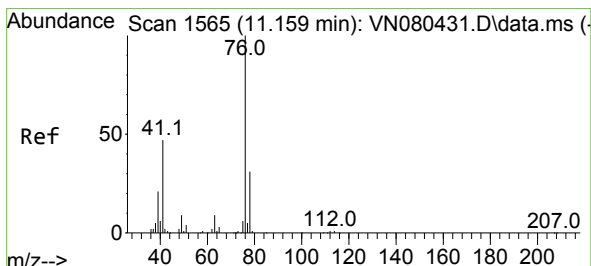
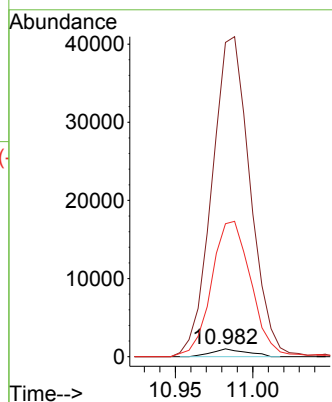
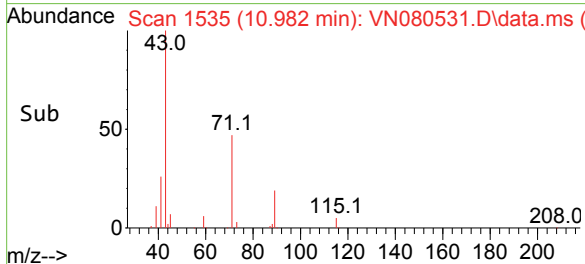


#56
Ethyl methacrylate
Concen: 0.431 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Instrument :
MSVOA_N
ClientSampleId :

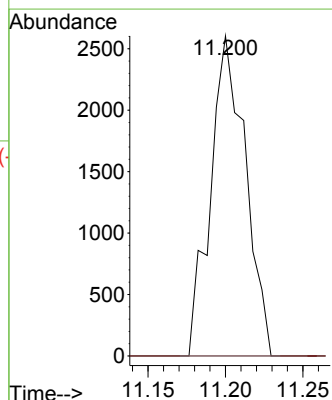
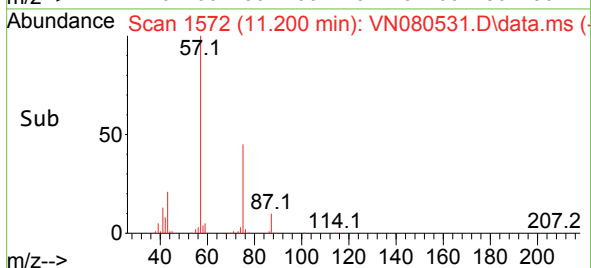
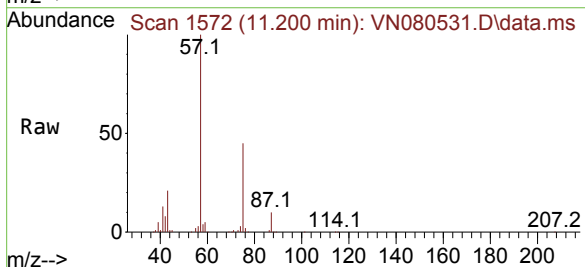


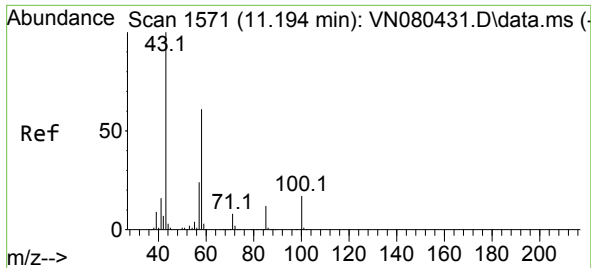
Tgt Ion: 69 Resp: 1575
Ion Ratio Lower Upper
69 100
41 4466.9 39.6 59.4#
39 1960.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.707 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Tgt Ion: 76 Resp: 4092
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

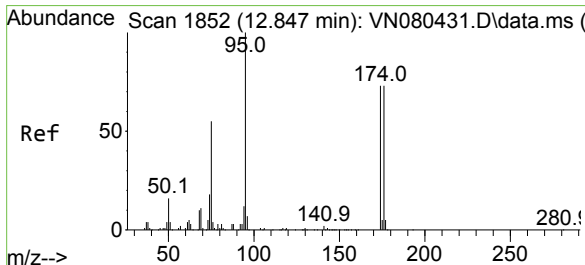
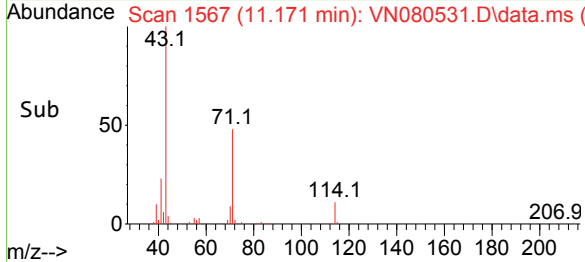
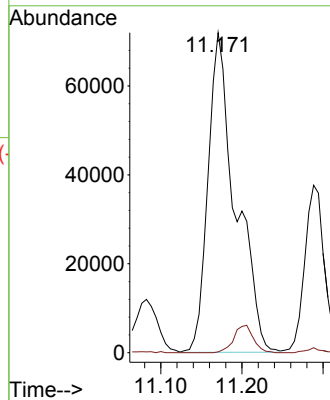
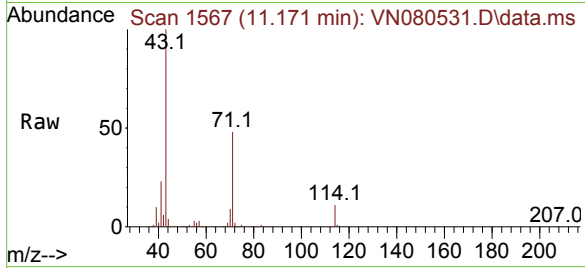




#59
2-Hexanone
Concen: 73.724 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

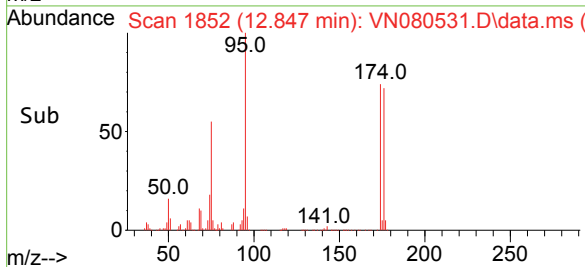
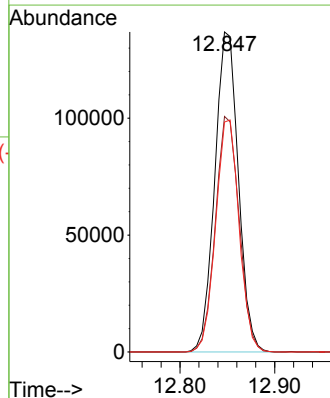
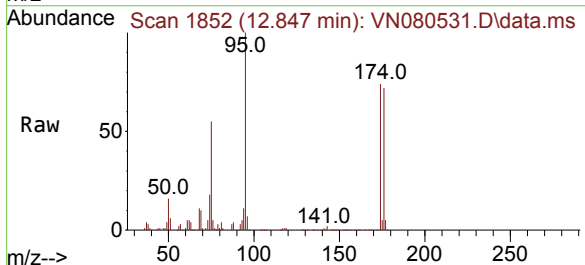
Instrument :
MSVOA_N
ClientSampleId :

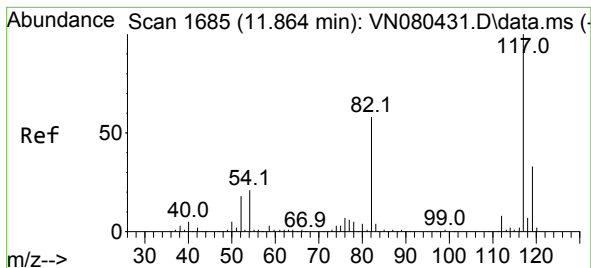
Tgt Ion: 43 Resp: 169826
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.333 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080531.D
Acq: 19 Dec 2023 19:31

Tgt Ion: 95 Resp: 236802
Ion Ratio Lower Upper
95 100
174 74.2 0.0 143.8
176 72.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :

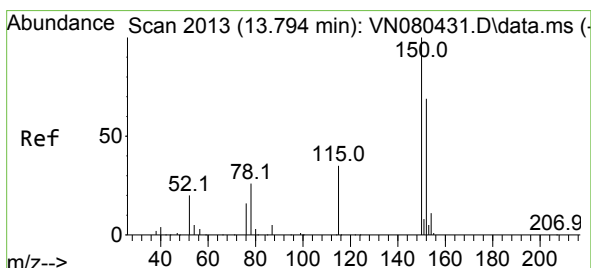
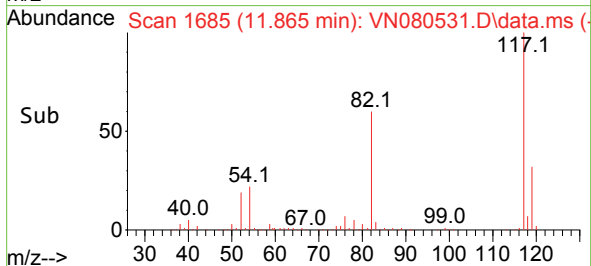
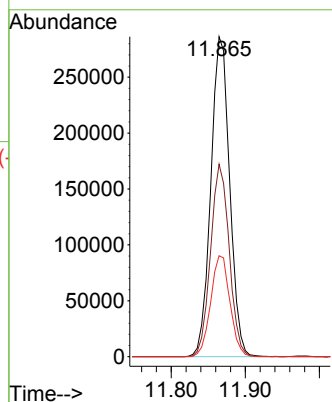
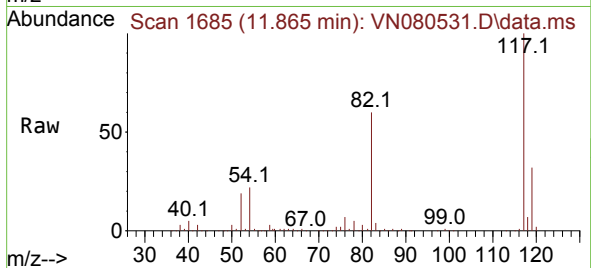
Tgt Ion:117 Resp: 504523

Ion Ratio Lower Upper

117 100

82 60.2 44.0 66.0

119 31.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

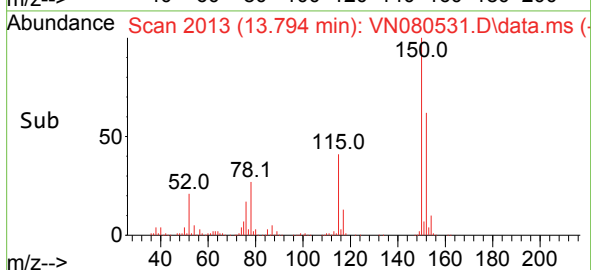
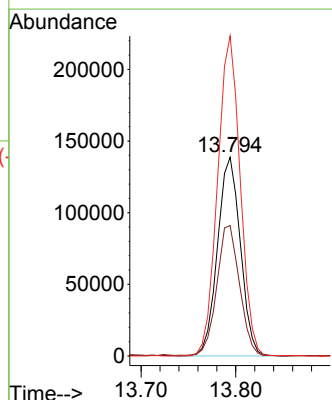
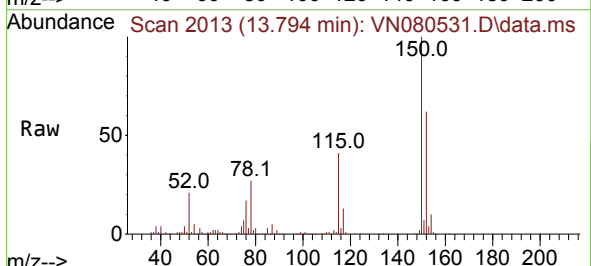
Tgt Ion:152 Resp: 232706

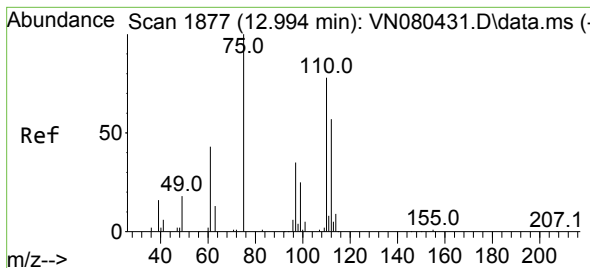
Ion Ratio Lower Upper

152 100

115 65.6 32.3 96.8

150 158.9 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 27.666 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

Instrument :

MSVOA_N

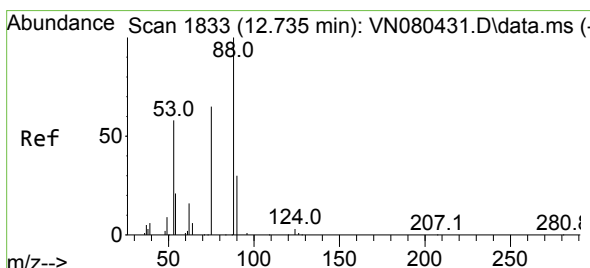
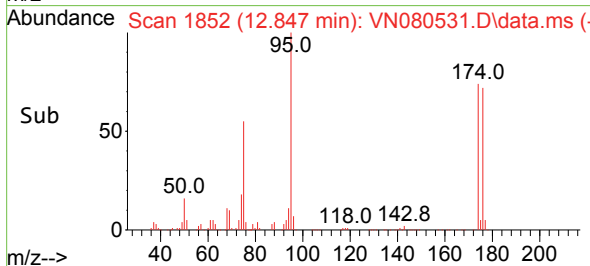
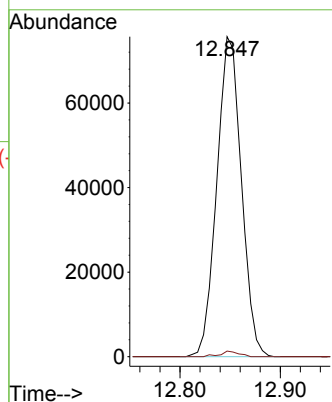
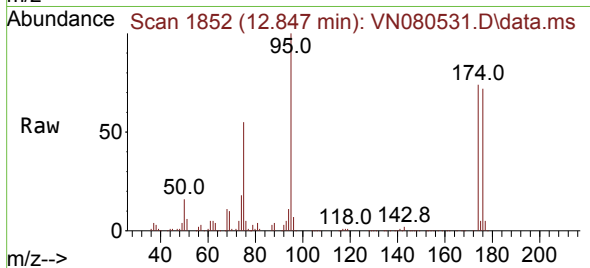
ClientSampleId :

Tgt Ion: 75 Resp: 128436

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.639 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

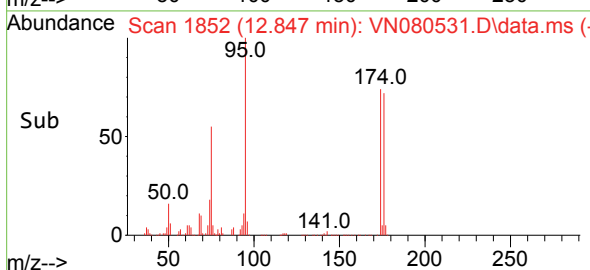
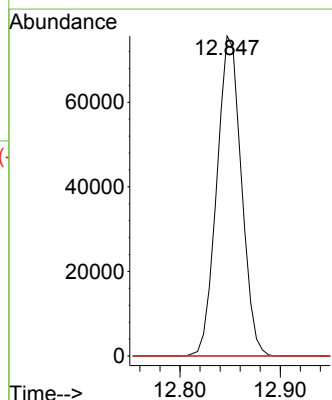
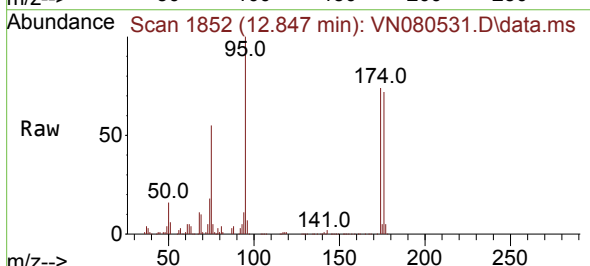
Tgt Ion: 75 Resp: 128436

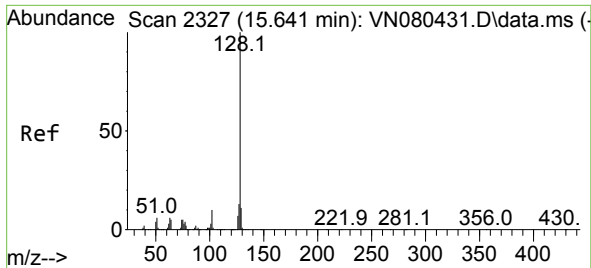
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 8.580 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

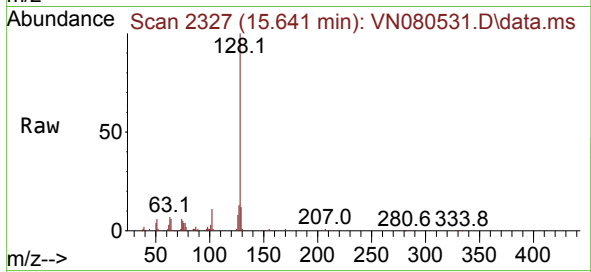
Lab File: VN080531.D

Acq: 19 Dec 2023 19:31

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 111293

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

129 11.9 8.7 13.1

