

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080466.D
 Acq On : 13 Dec 2023 16:52
 Operator : JC\MD
 Sample : 05688-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:09:31 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	230943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	417980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	425775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193354	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	155714	52.790	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.580%
35) Dibromofluoromethane	8.171	113	127901	48.262	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.520%
50) Toluene-d8	10.565	98	463427	46.888	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.780%
62) 4-Bromofluorobenzene	12.847	95	187290	49.903	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.800%

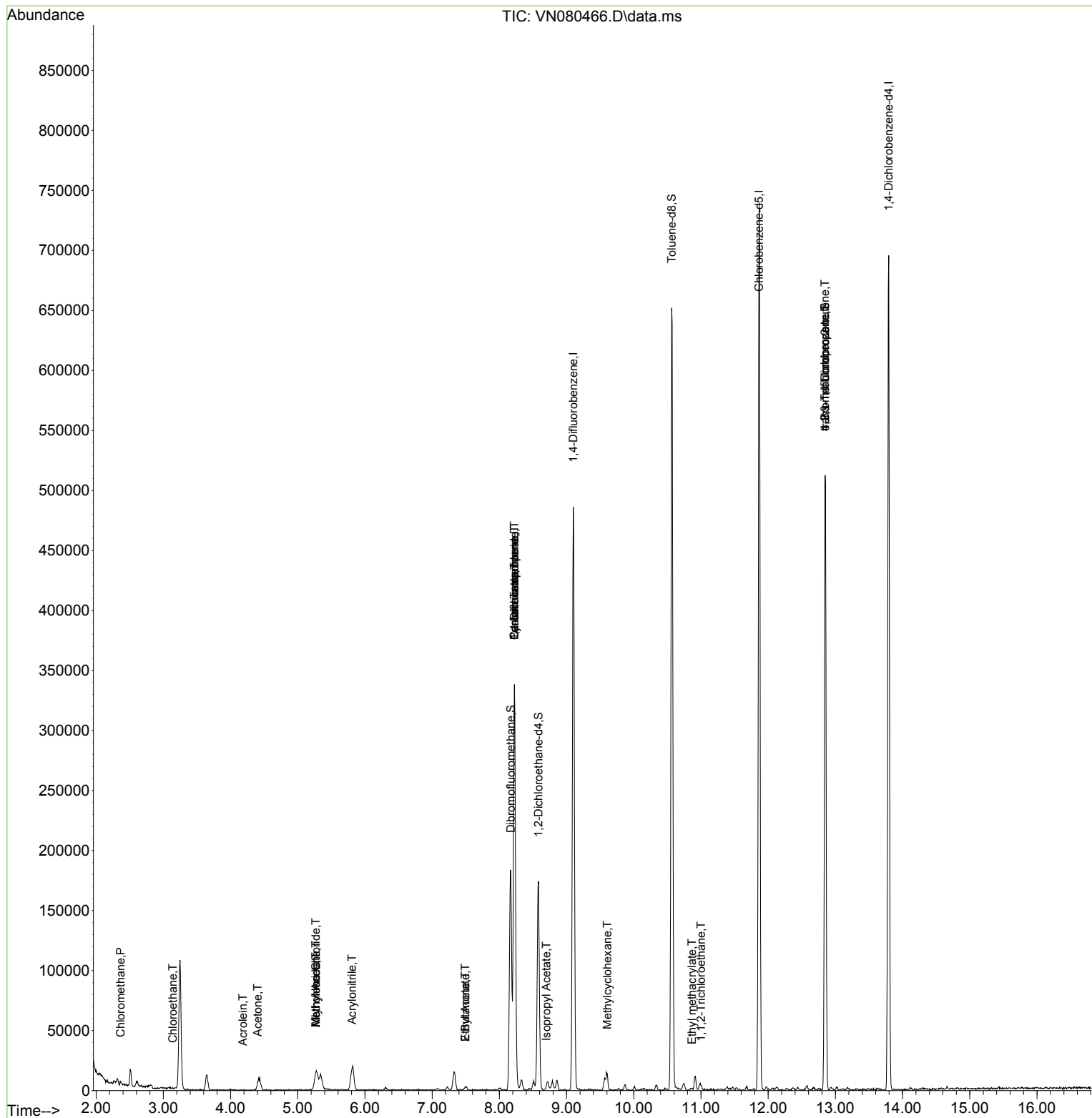
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	2908	0.542	ug/l	95
6) Chloroethane	3.142	64	475	0.293	ug/l #	43
13) Acrolein	4.183	56	85	0.223	ug/l #	16
14) Allyl chloride	5.271	41	6934	2.257	ug/l #	24
15) Acrylonitrile	5.806	53	713	0.726	ug/l #	34
16) Acetone	4.406	43	3218	6.153	ug/l #	59
18) Methyl Acetate	5.271	43	11891	3.533	ug/l #	42
20) Methylene Chloride	5.271	84	573	0.205	ug/l #	50
25) 2-Butanone	7.494	43	847	0.841	ug/l #	37
31) Cyclohexane	8.224	56	8785	2.190	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	18433	4.254	ug/l #	50
37) Ethyl Acetate	7.494	43	847	0.312	ug/l #	63
38) Carbon Tetrachloride	8.224	117	26945	5.204	ug/l #	16
39) Methylcyclohexane	9.606	83	7670	1.704	ug/l #	89
43) Isopropyl Acetate	8.700	43	1199	0.246	ug/l #	49
55) 1,1,2-Trichloroethane	11.000	97	1420	0.499	ug/l #	16
56) Ethyl methacrylate	10.865	69	691	0.219	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	103651	26.871	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	103651	70.552	ug/l #	15

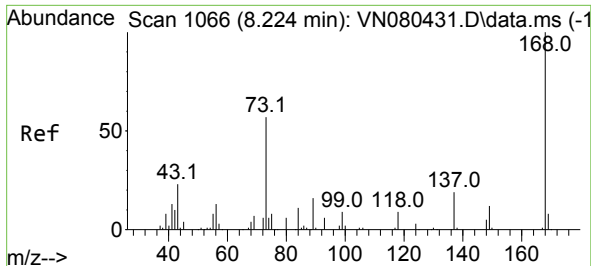
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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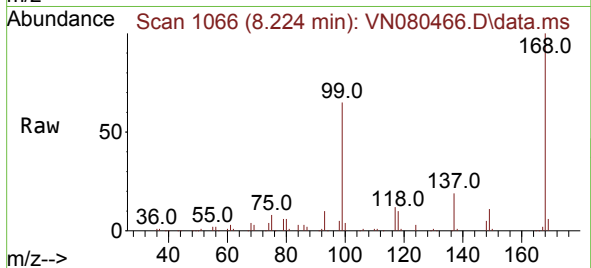
Quant Time: Dec 14 04:09:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
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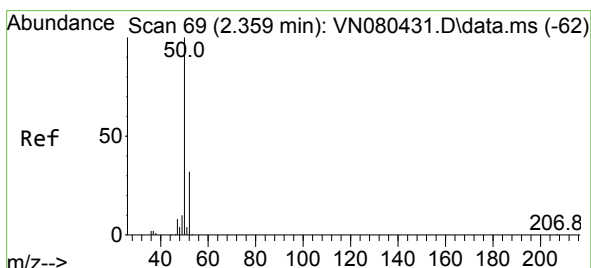
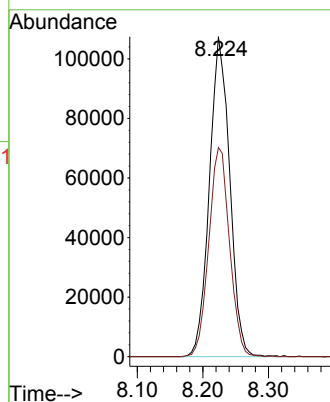
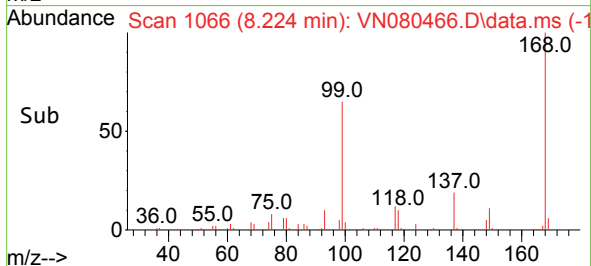


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :

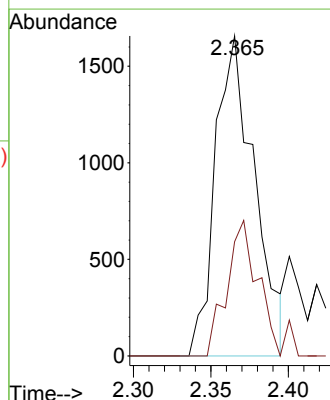
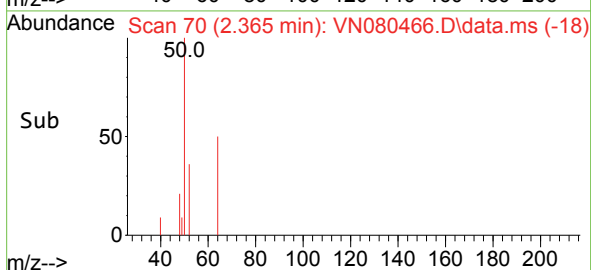
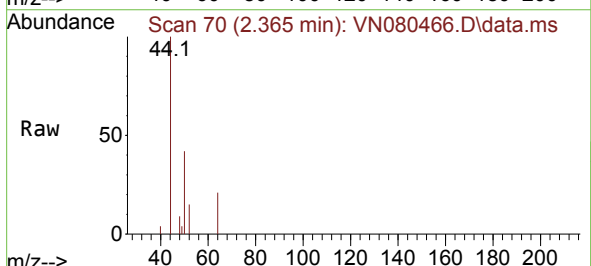


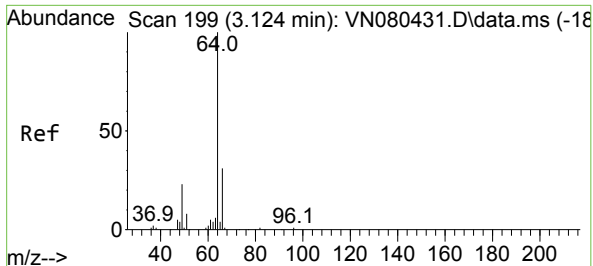
Tgt Ion:168 Resp: 230943
Ion Ratio Lower Upper
168 100
99 65.3 53.0 79.6



#3
Chloromethane
Concen: 0.542 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Tgt Ion: 50 Resp: 2908
Ion Ratio Lower Upper
50 100
52 35.7 26.5 39.7

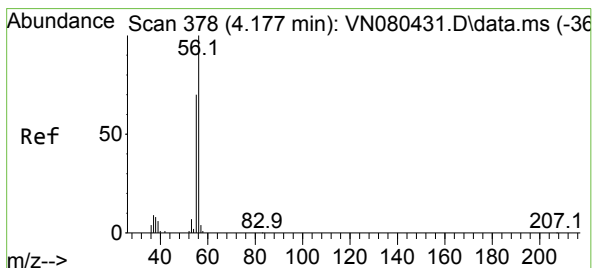
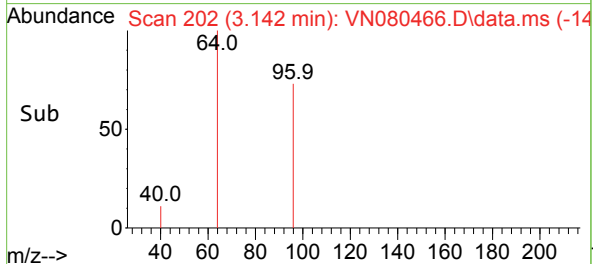
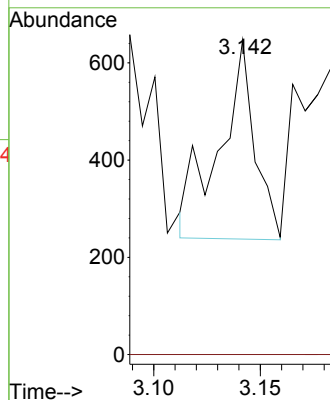
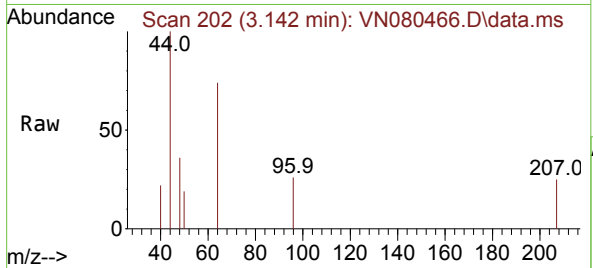




#6
Chloroethane
Concen: 0.293 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

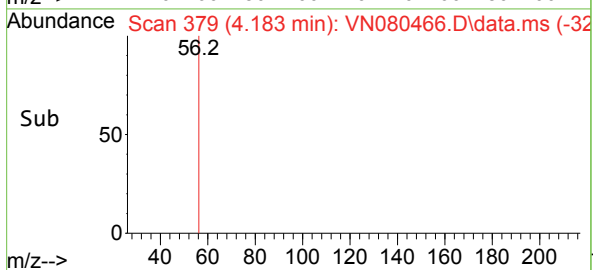
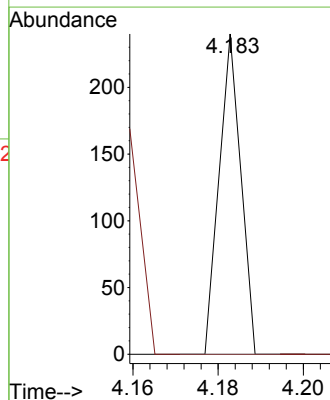
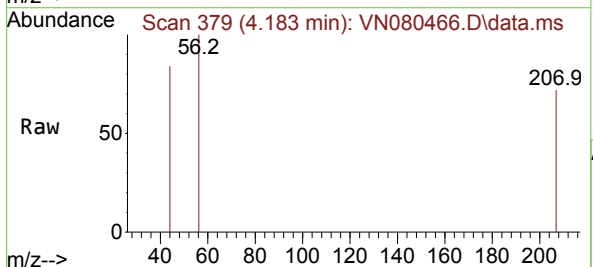
Instrument :
MSVOA_N
ClientSampleId :

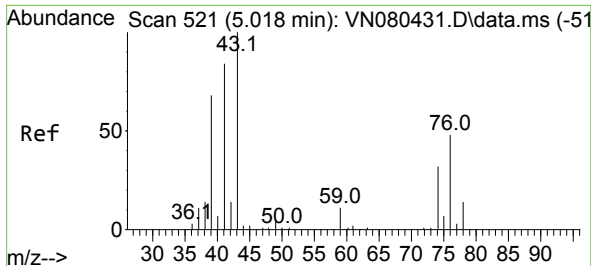
Tgt Ion: 64 Resp: 475
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.223 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

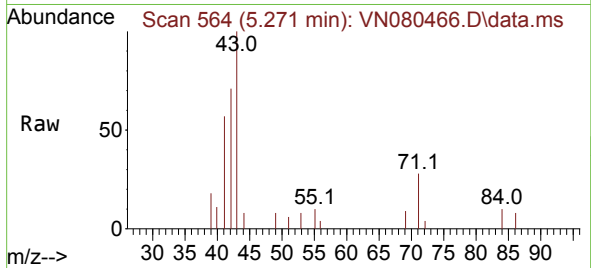
Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



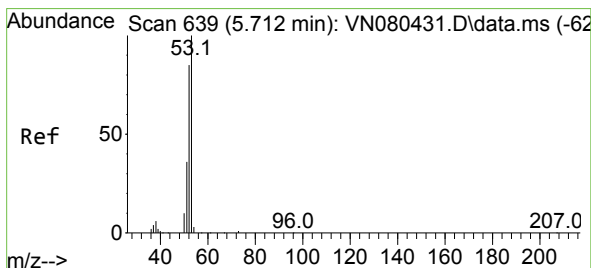
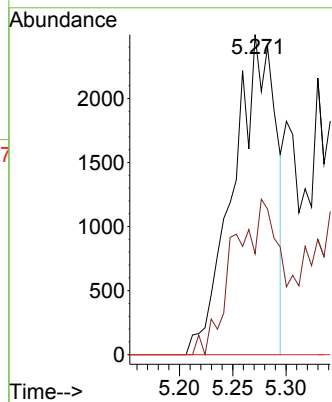
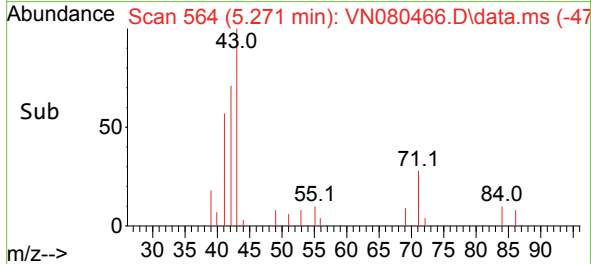


#14
 Allyl chloride
 Concen: 2.257 ug/l
 RT: 5.271 min Scan# 51
 Delta R.T. 0.253 min
 Lab File: VN080466.D
 Acq: 13 Dec 2023 16:52

Instrument :
 MSVOA_N
 ClientSampleId :

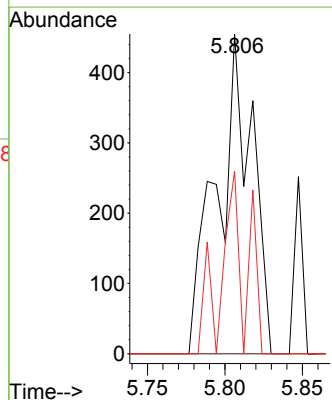
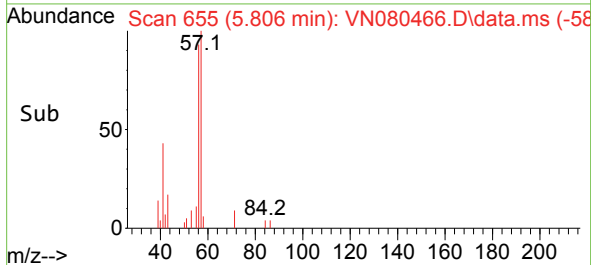
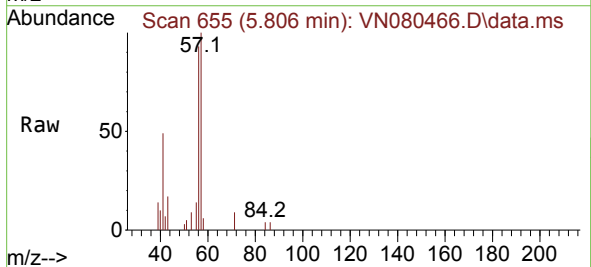


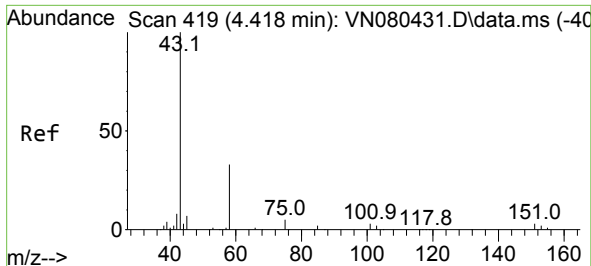
Tgt Ion: 41 Resp: 6934
 Ion Ratio Lower Upper
 41 100
 39 6.6 58.8 88.2#
 76 0.0 39.1 58.7#



#15
 Acrylonitrile
 Concen: 0.726 ug/l
 RT: 5.806 min Scan# 655
 Delta R.T. 0.094 min
 Lab File: VN080466.D
 Acq: 13 Dec 2023 16:52

Tgt Ion: 53 Resp: 713
 Ion Ratio Lower Upper
 53 100
 52 0.0 65.3 97.9#
 51 40.3 28.9 43.3

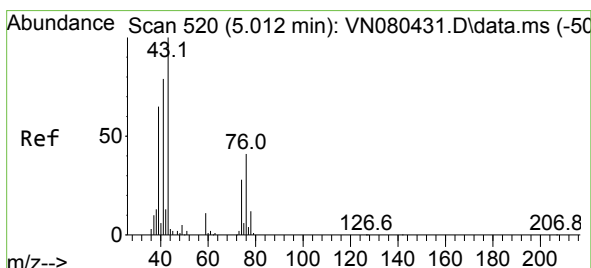
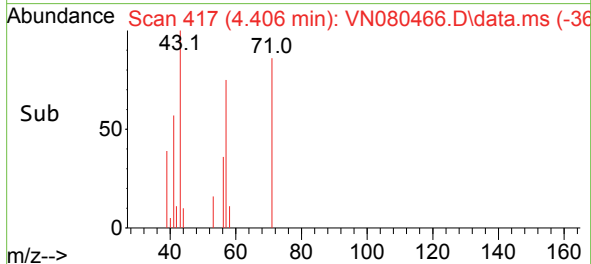
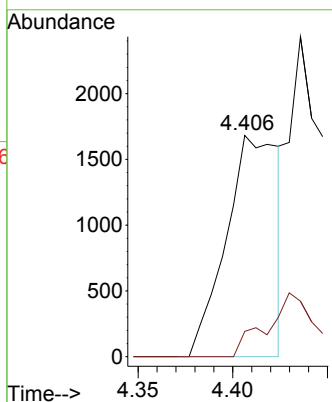
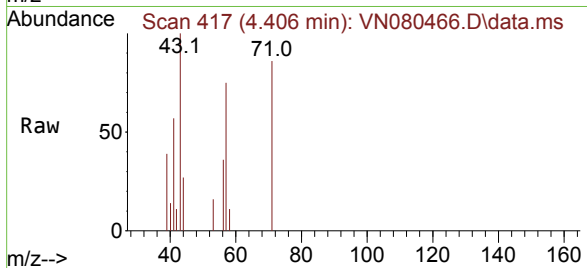




#16
Acetone
Concen: 6.153 ug/l
RT: 4.406 min Scan# 419
Delta R.T. -0.012 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

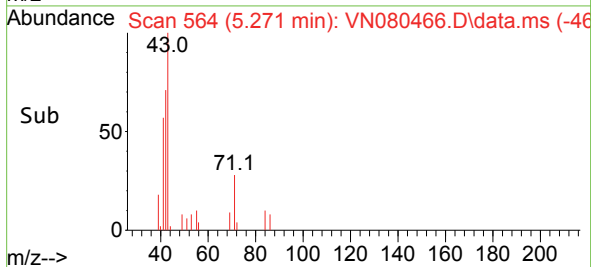
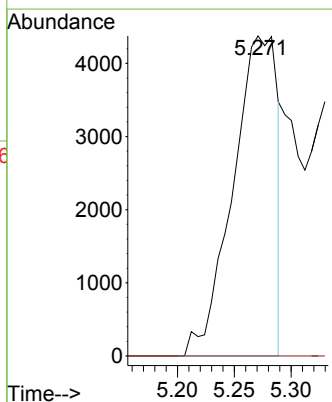
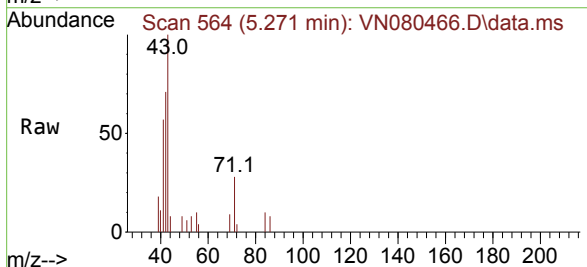
Instrument :
MSVOA_N
ClientSampleId :

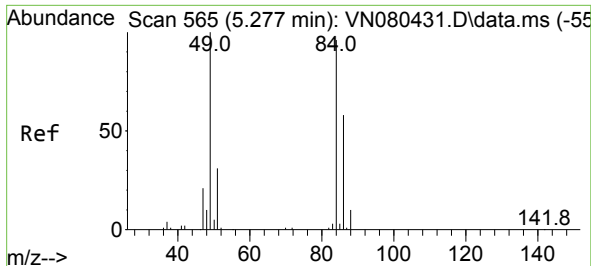
Tgt Ion: 43 Resp: 3218
Ion Ratio Lower Upper
43 100
58 11.4 28.0 42.0#



#18
Methyl Acetate
Concen: 3.533 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.259 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

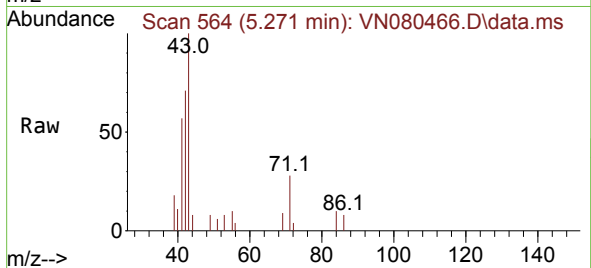
Tgt Ion: 43 Resp: 11891
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



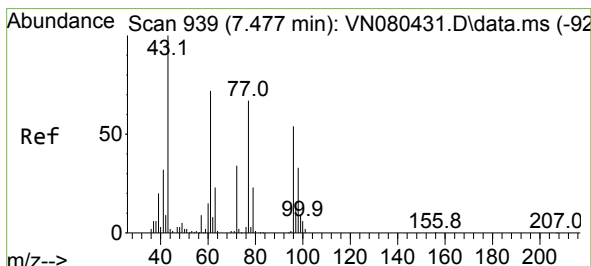
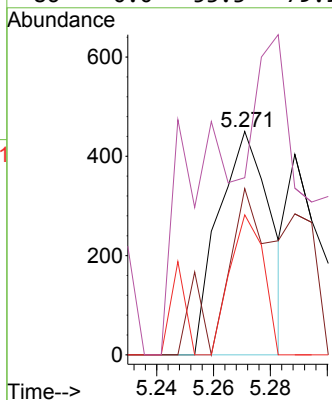
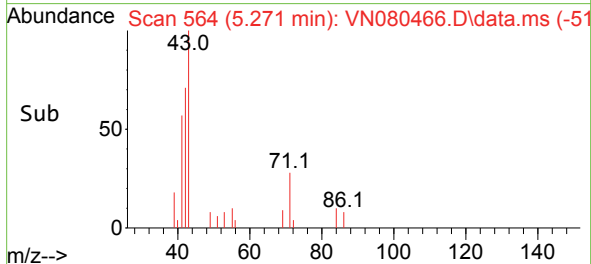


#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :

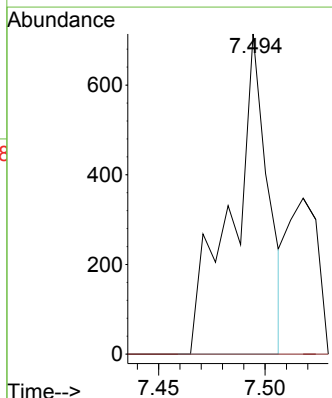
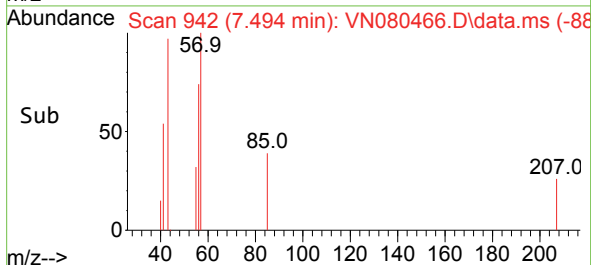
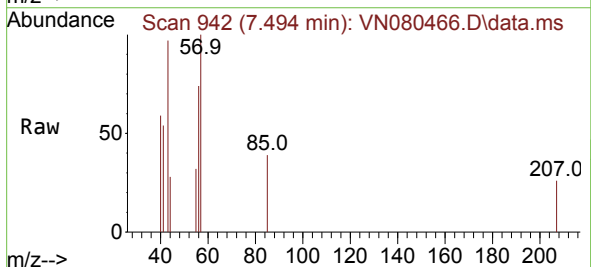


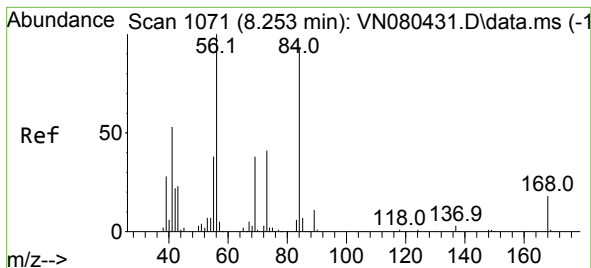
Tgt Ion:	84	Resp:	573
Ion	Ratio	Lower	Upper
84	100		
49	74.4	79.7	119.5#
51	62.7	25.2	37.8#
86	0.0	53.3	79.9#



#25
2-Butanone
Concen: 0.841 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Tgt Ion:	43	Resp:	847
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#





#31

Cyclohexane

Concen: 2.190 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

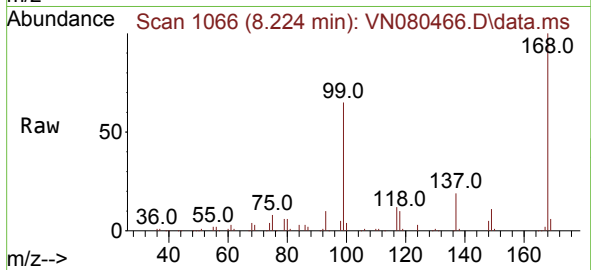
Lab File: VN080466.D

Acq: 13 Dec 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :



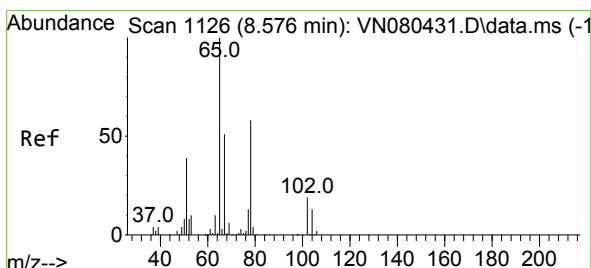
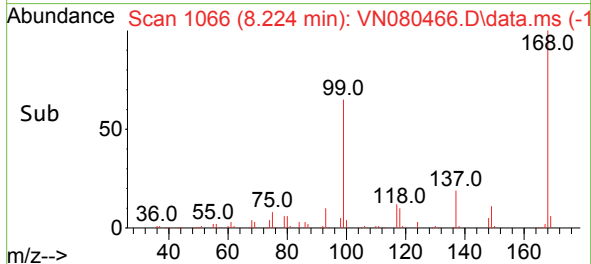
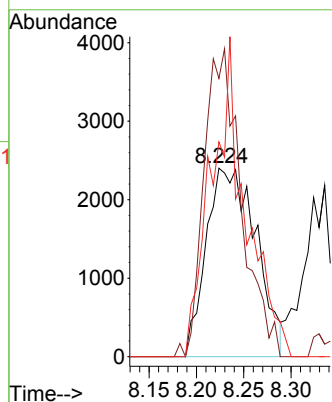
Tgt Ion: 56 Resp: 8785

Ion Ratio Lower Upper

56 100

69 147.7 26.8 40.2#

84 113.9 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 52.790 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080466.D

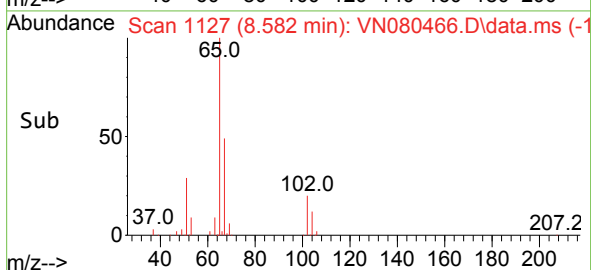
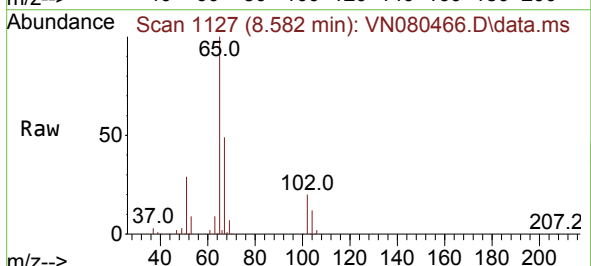
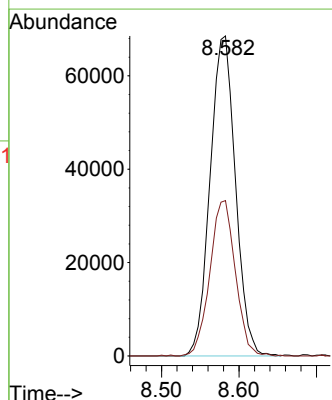
Acq: 13 Dec 2023 16:52

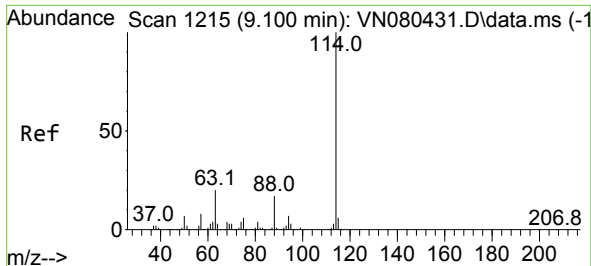
Tgt Ion: 65 Resp: 155714

Ion Ratio Lower Upper

65 100

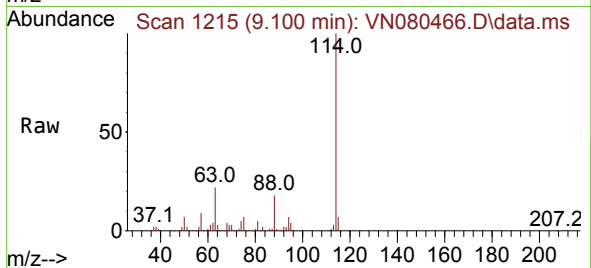
67 48.9 0.0 106.6



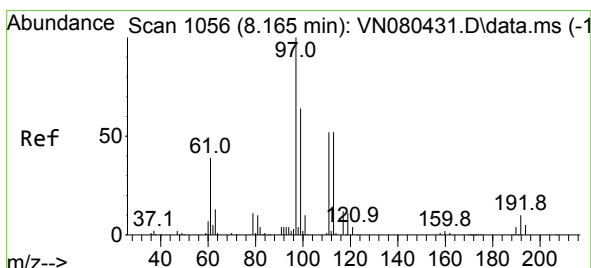
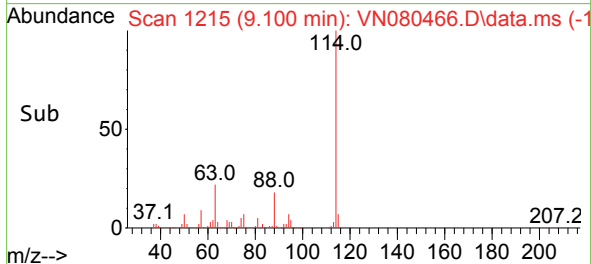
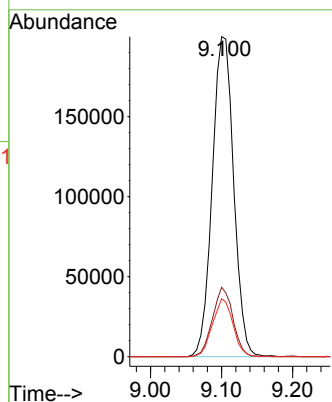


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :

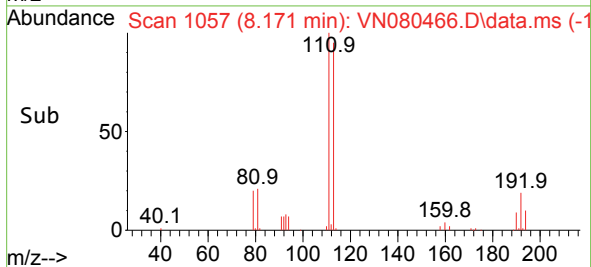
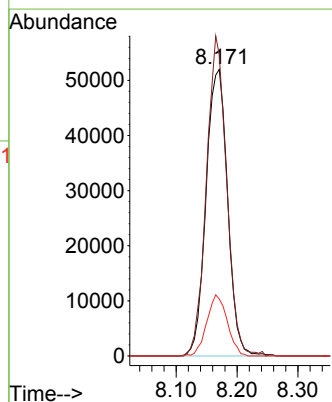
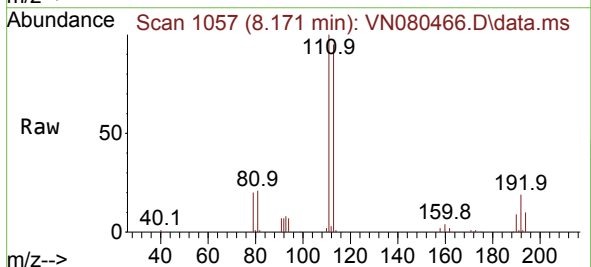


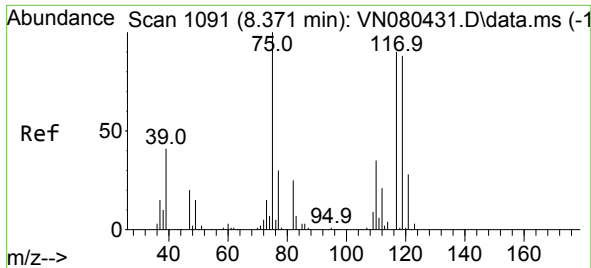
Tgt Ion:114 Resp: 417980
Ion Ratio Lower Upper
114 100
63 21.7 0.0 36.4
88 18.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.262 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

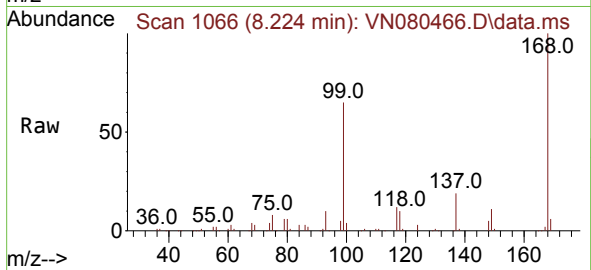
Tgt Ion:113 Resp: 127901
Ion Ratio Lower Upper
113 100
111 105.0 82.6 123.8
192 20.3 12.7 19.1#



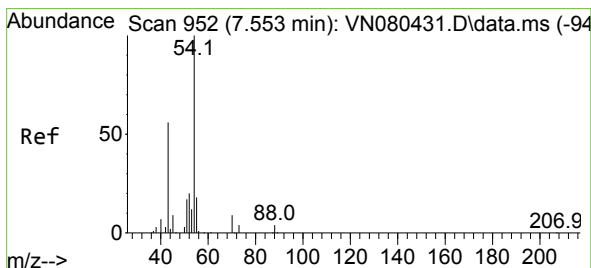
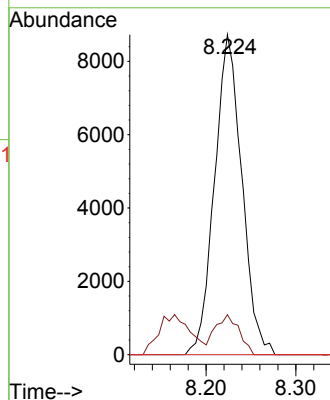
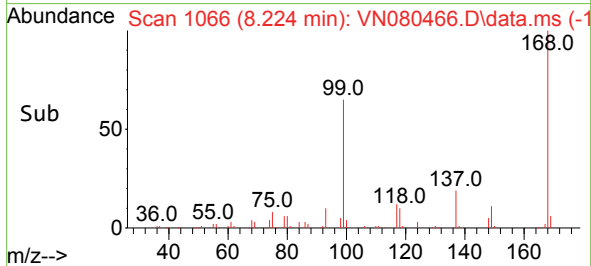


#36
1,1-Dichloropropene
Concen: 4.254 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :

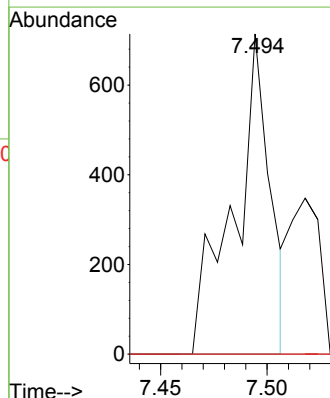
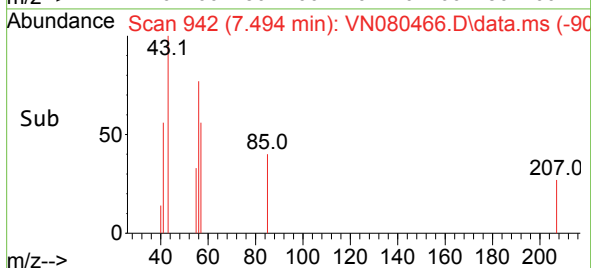
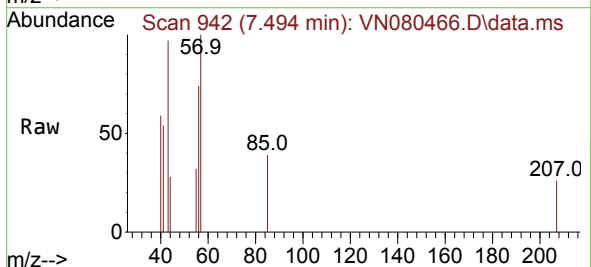


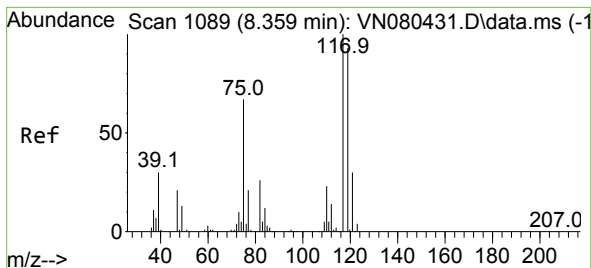
Tgt Ion: 75 Resp: 18433
Ion Ratio Lower Upper
75 100
110 10.9 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.312 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.059 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.204 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

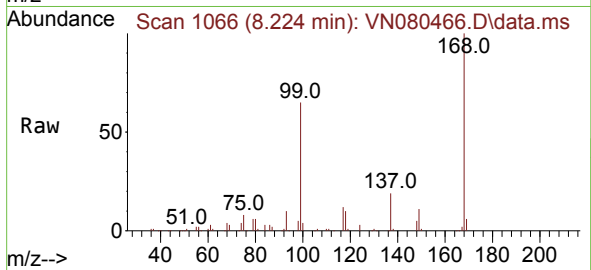
Lab File: VN080466.D

Acq: 13 Dec 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :



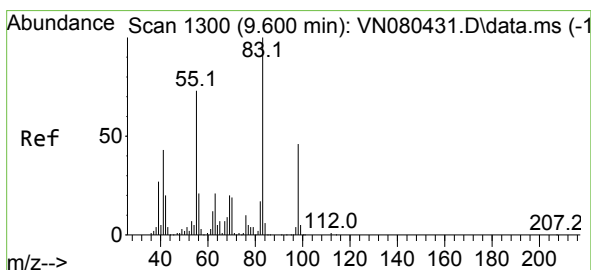
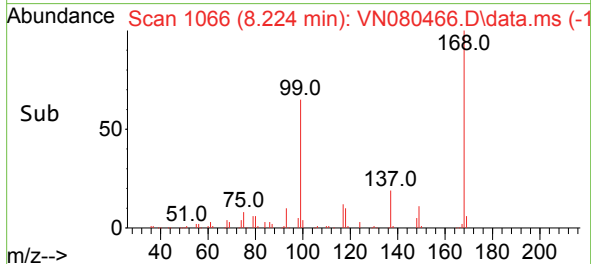
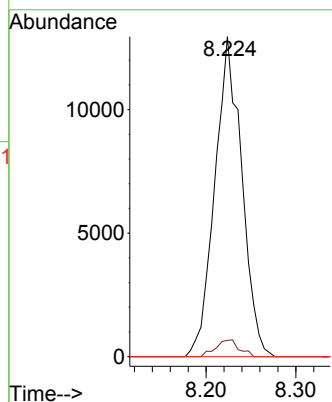
Tgt Ion:117 Resp: 26945

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 1.704 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN080466.D

Acq: 13 Dec 2023 16:52

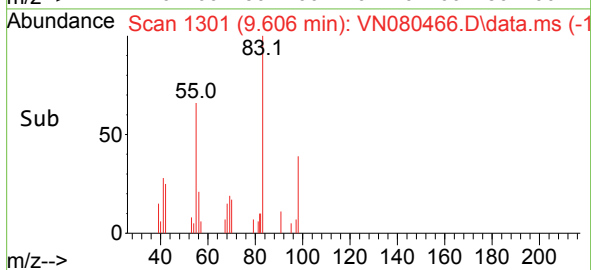
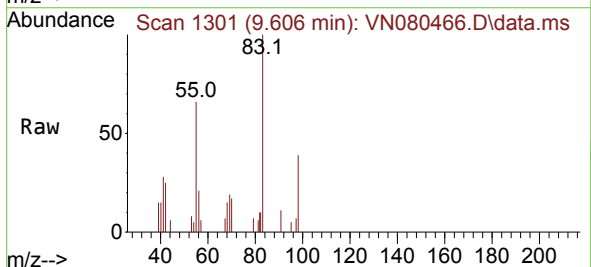
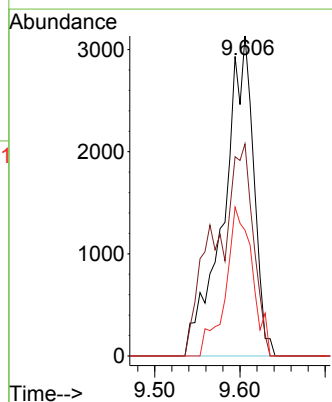
Tgt Ion: 83 Resp: 7670

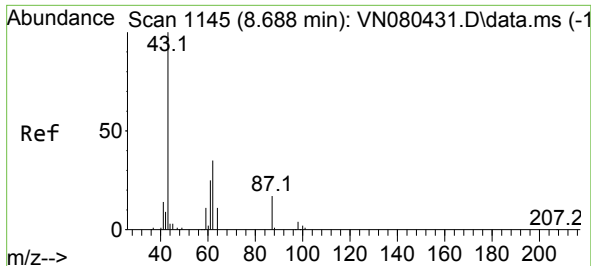
Ion Ratio Lower Upper

83 100

55 66.3 49.1 73.7

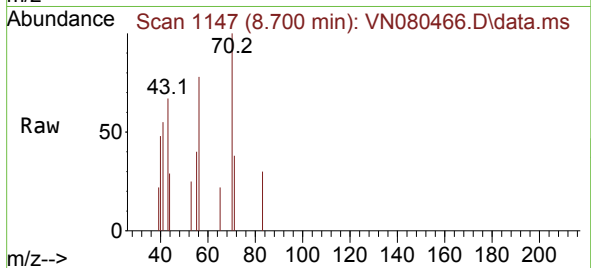
98 39.3 40.6 61.0#



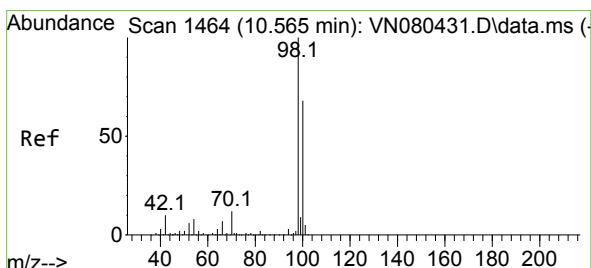
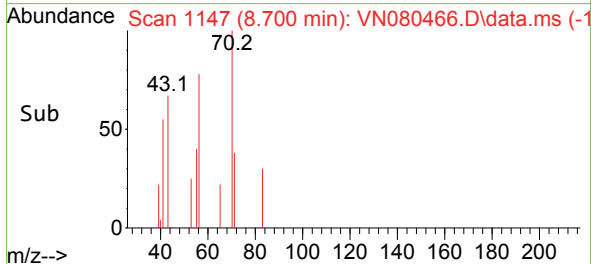
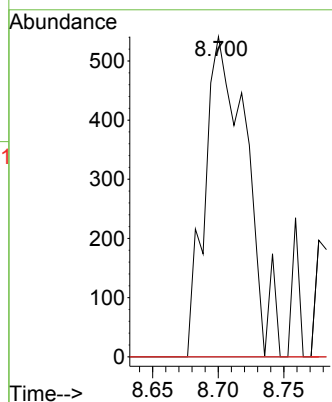


#43
Isopropyl Acetate
Concen: 0.246 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :

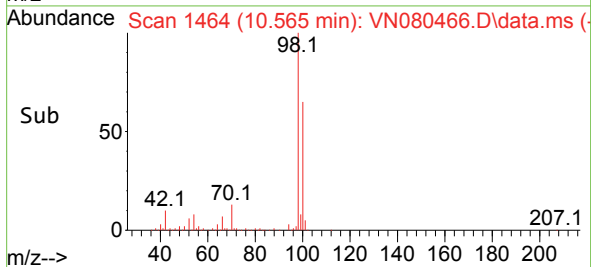
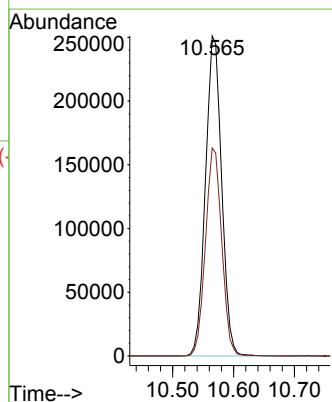
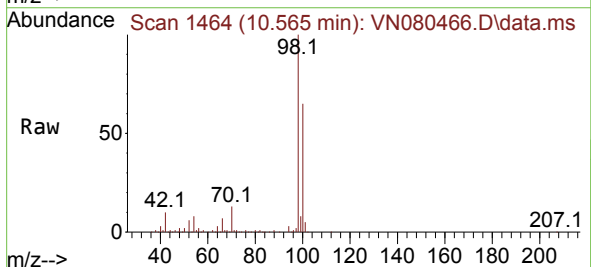


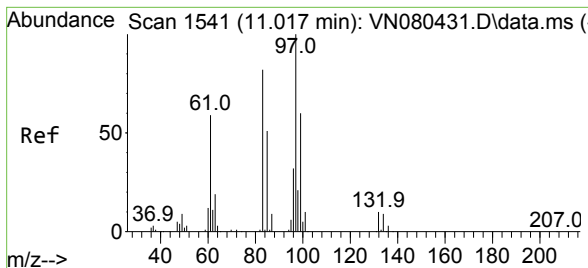
Tgt Ion: 43 Resp: 1199
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.888 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080466.D
Acq: 13 Dec 2023 16:52

Tgt Ion: 98 Resp: 463427
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0





#55

1,1,2-Trichloroethane

Concen: 0.499 ug/l

RT: 11.000 min Scan# 1

Delta R.T. -0.017 min

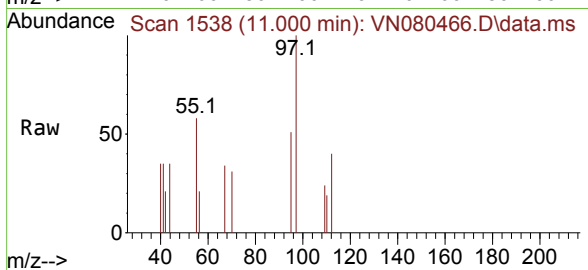
Lab File: VN080466.D

Acq: 13 Dec 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 1420

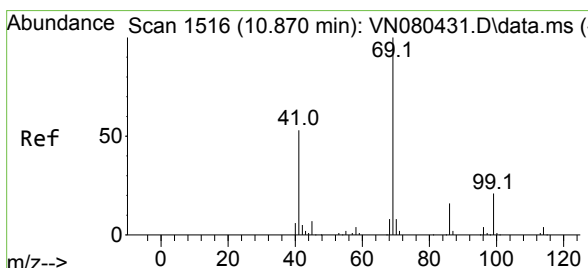
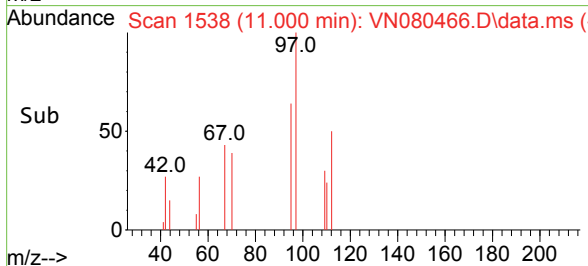
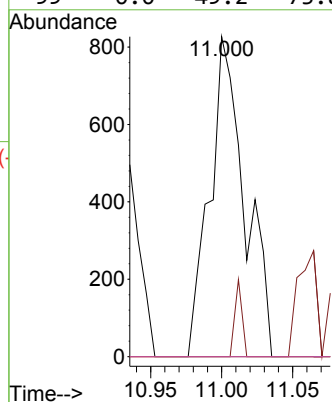
Ion Ratio Lower Upper

97 100

83 0.0 65.1 97.7#

85 0.0 43.4 65.2#

99 0.0 49.2 73.8#



#56

Ethyl methacrylate

Concen: 0.219 ug/l

RT: 10.865 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VN080466.D

Acq: 13 Dec 2023 16:52

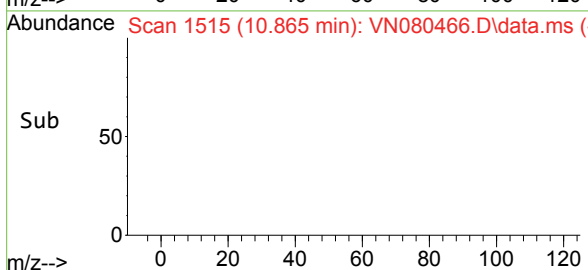
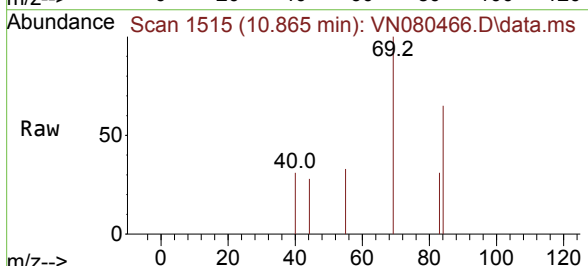
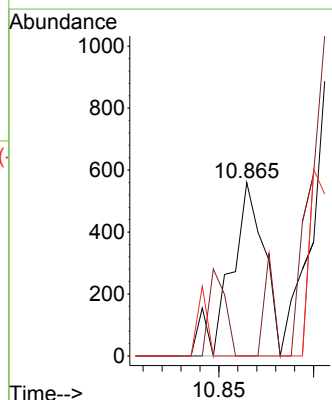
Tgt Ion: 69 Resp: 691

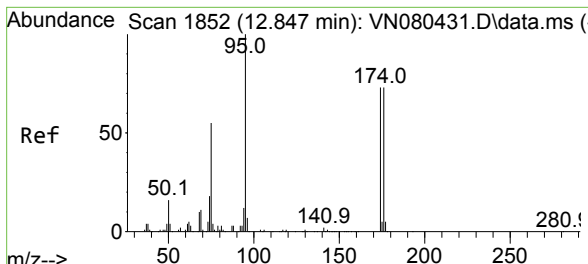
Ion Ratio Lower Upper

69 100

41 16.9 39.6 59.4#

39 0.0 28.6 43.0#

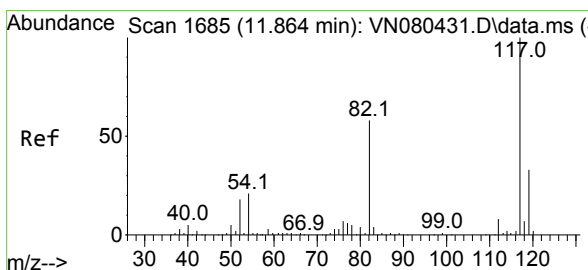
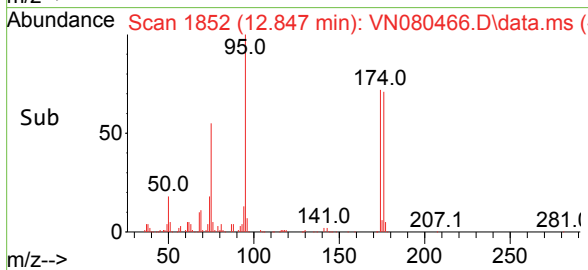
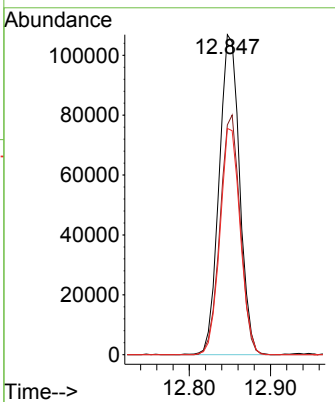
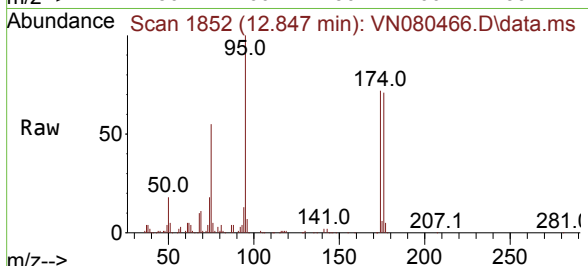




#62
 4-Bromofluorobenzene
 Concen: 49.903 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN080466.D
 Acq: 13 Dec 2023 16:52

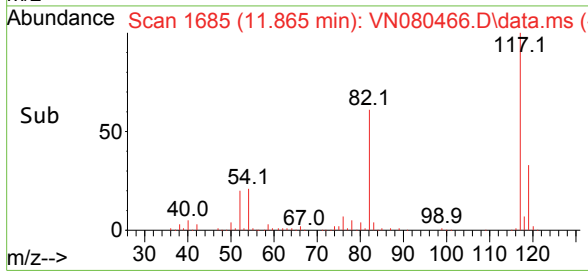
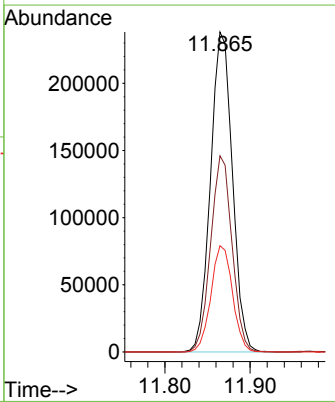
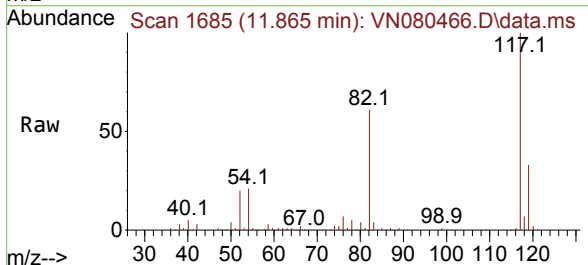
Instrument :
 MSVOA_N
 ClientSampleId :

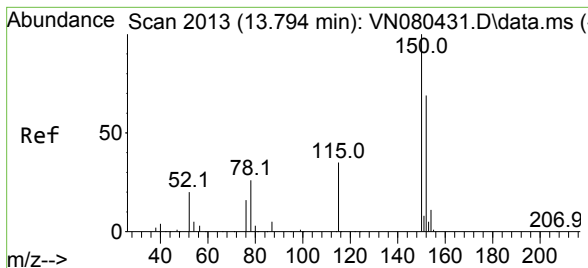
Tgt Ion:	95	Resp:	187290
Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	143.8
176	70.1	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN080466.D
 Acq: 13 Dec 2023 16:52

Tgt Ion:	117	Resp:	425775
Ion	Ratio	Lower	Upper
117	100		
82	61.3	44.0	66.0
119	33.2	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

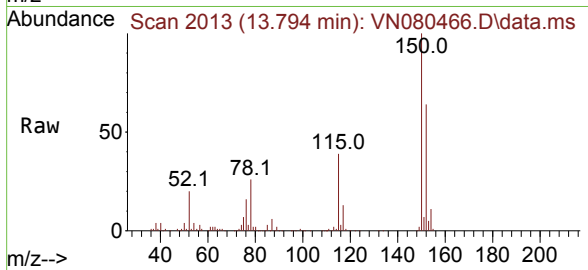
Lab File: VN080466.D

Acq: 13 Dec 2023 16:52

Instrument :

MSVOA_N

ClientSampleId :



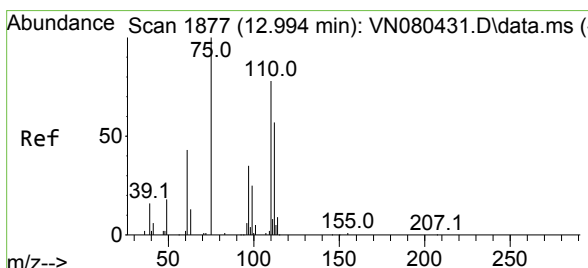
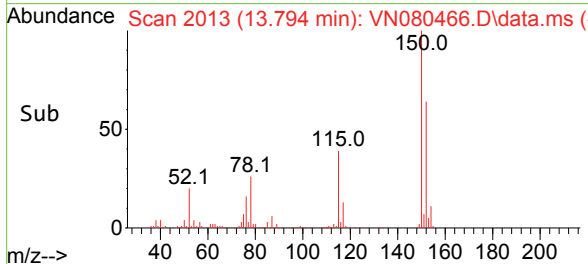
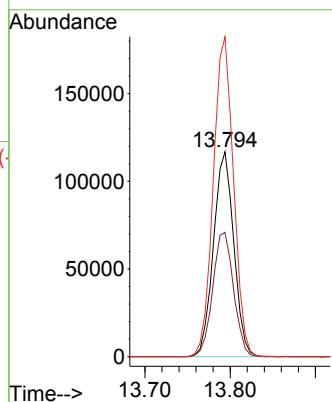
Tgt Ion:152 Resp: 193354

Ion Ratio Lower Upper

152 100

115 62.3 32.3 96.8

150 155.5 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.871 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080466.D

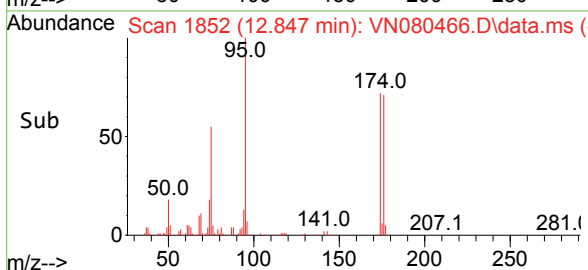
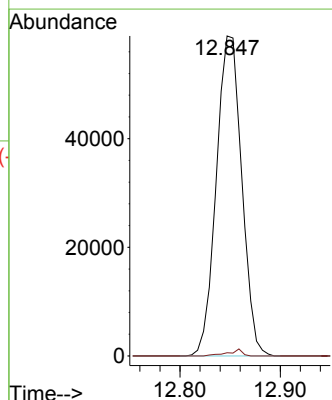
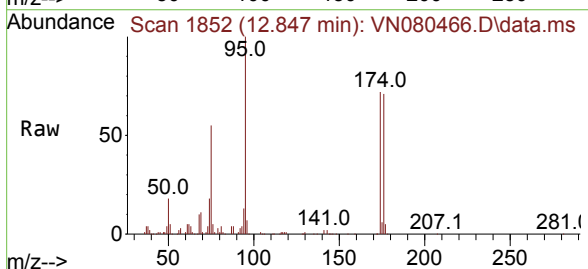
Acq: 13 Dec 2023 16:52

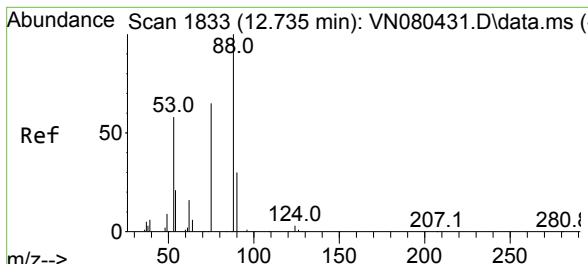
Tgt Ion: 75 Resp: 103651

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.552 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080466.D
 Acq: 13 Dec 2023 16:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	75	Resp:	103651
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#

