

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080469.D
 Acq On : 13 Dec 2023 18:03
 Operator : JC\MD
 Sample : 05791-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:10:50 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)

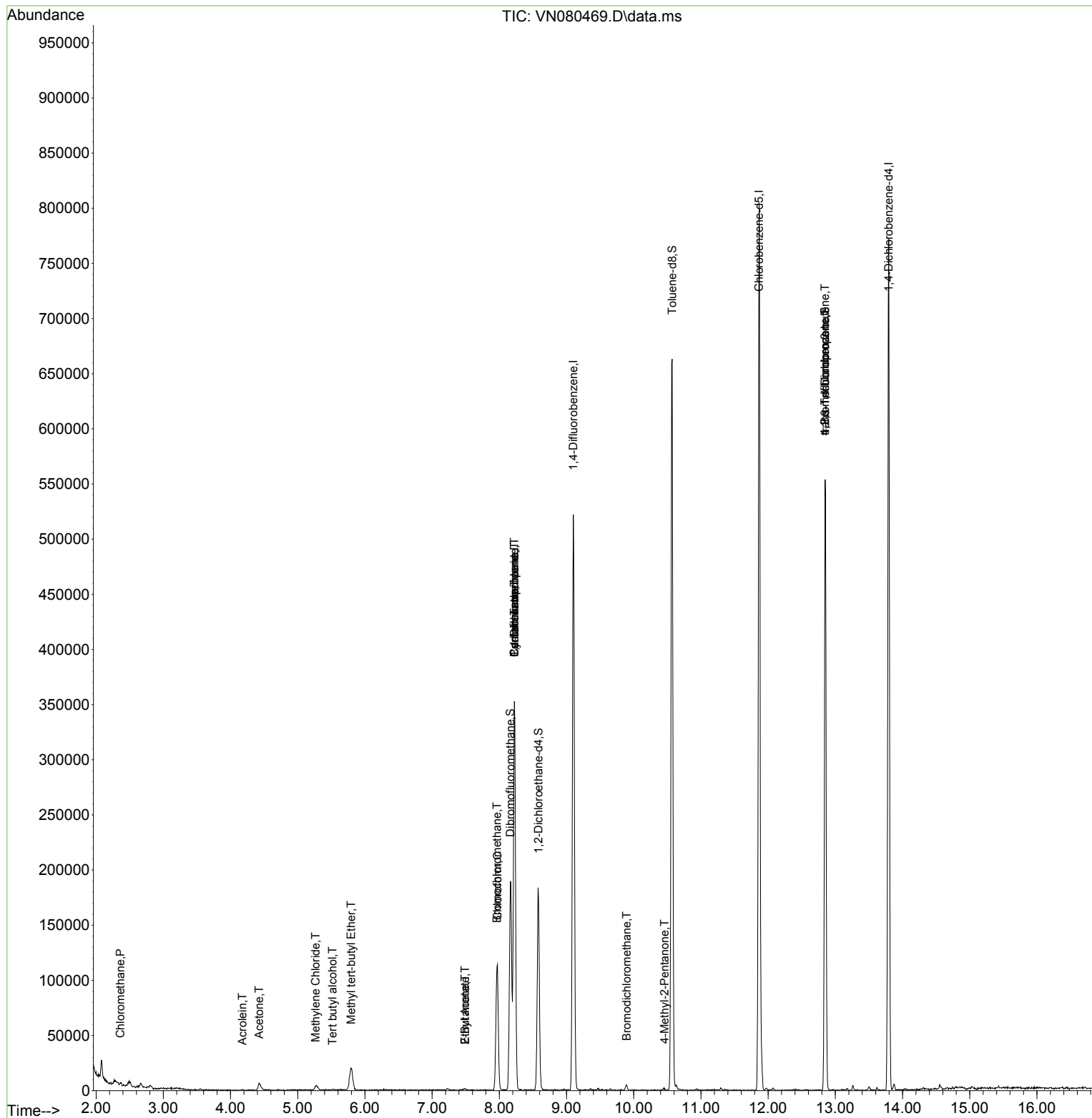
Internal Standards						
1) Pentafluorobenzene	8.224	168	249067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	448453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	460407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	159743	50.215	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.440%			
35) Dibromofluoromethane	8.165	113	135703	47.726	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.460%			
50) Toluene-d8	10.571	98	477718	45.049	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.100%			
62) 4-Bromofluorobenzene	12.847	95	196325	48.755	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.520%			
Target Compounds						Qvalue
3) Chloromethane	2.360	50	2721	0.416	ug/l #	78
11) Tert butyl alcohol	5.518	59	275	0.734	ug/l #	72
13) Acrolein	4.177	56	95	0.232	ug/l #	1
16) Acetone	4.424	43	11755	20.840	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	35685	3.995	ug/l	99
20) Methylene Chloride	5.265	84	3597	1.192	ug/l #	72
25) 2-Butanone	7.489	43	1967	1.810	ug/l #	78
28) Bromochloromethane	7.965	49	8185	4.273	ug/l #	5
30) Chloroform	7.971	83	116079	20.963	ug/l	91
31) Cyclohexane	8.224	56	5166	1.194	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	19614	4.219	ug/l #	51
37) Ethyl Acetate	7.489	43	1967	0.676	ug/l #	63
38) Carbon Tetrachloride	8.224	117	28571	5.143	ug/l #	15
47) Bromodichloromethane	9.894	83	3759	0.775	ug/l	93
51) 4-Methyl-2-Pentanone	10.459	43	1279	0.444	ug/l #	78
76) 1,2,3-Trichloropropane	12.847	75	106483	25.594	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	106483	67.198	ug/l #	15

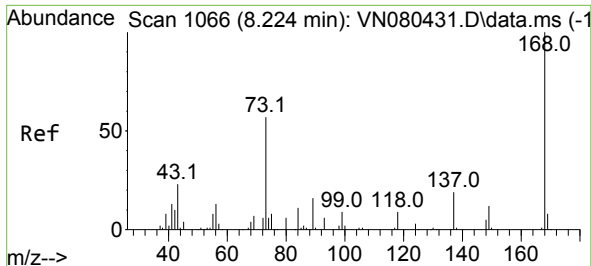
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 04:10:50 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

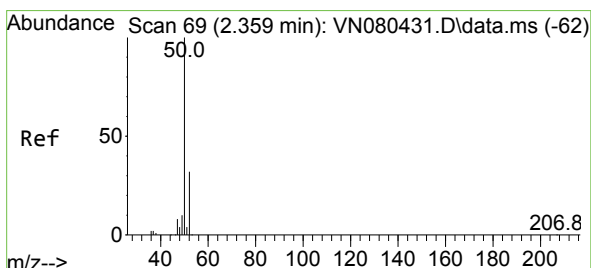
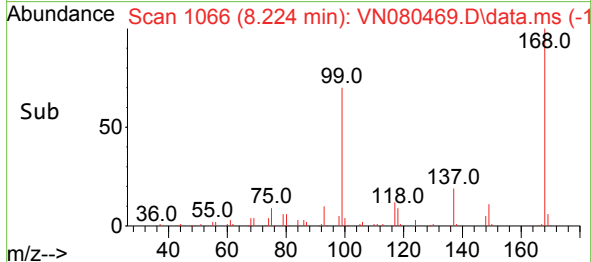
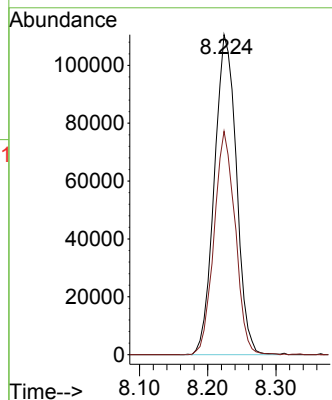
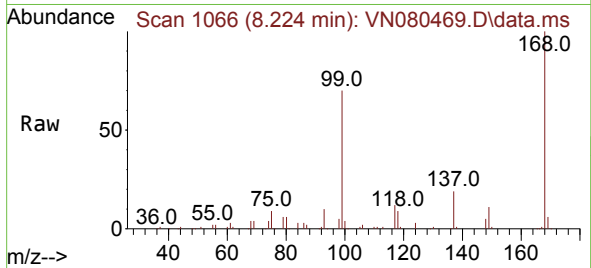




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

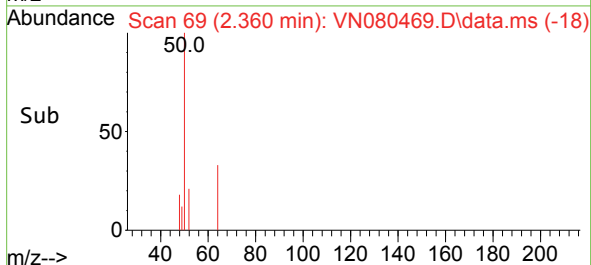
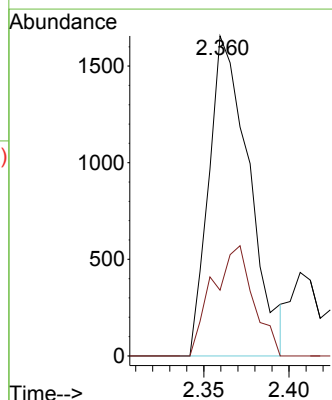
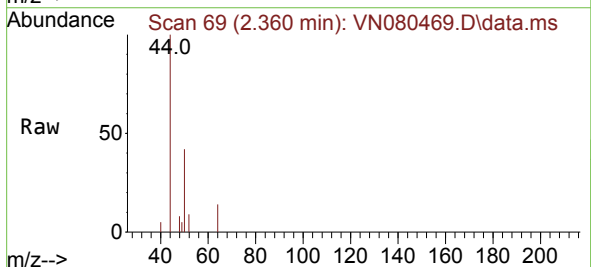
Instrument :
MSVOA_N
ClientSampleId :

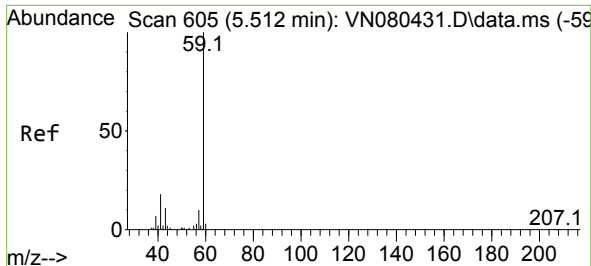
Tgt Ion:168 Resp: 249067
Ion Ratio Lower Upper
168 100
99 69.8 53.0 79.6



#3
Chloromethane
Concen: 0.416 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

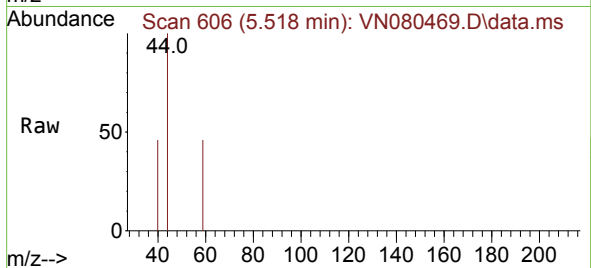
Tgt Ion: 50 Resp: 2721
Ion Ratio Lower Upper
50 100
52 20.5 26.5 39.7#



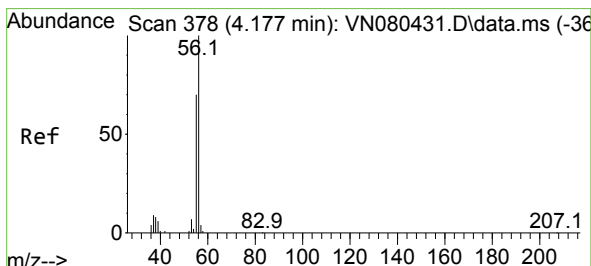
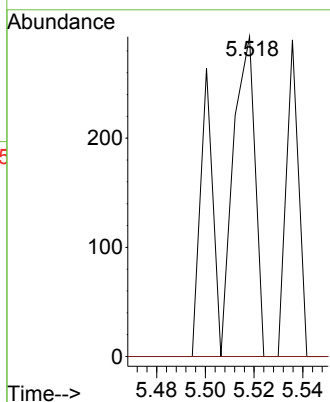
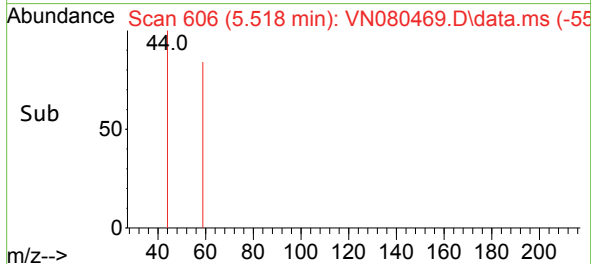


#11
Tert butyl alcohol
Concen: 0.734 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

Instrument :
MSVOA_N
ClientSampleId :

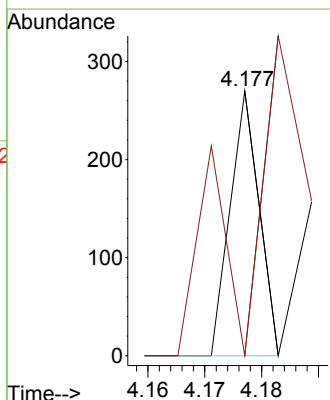
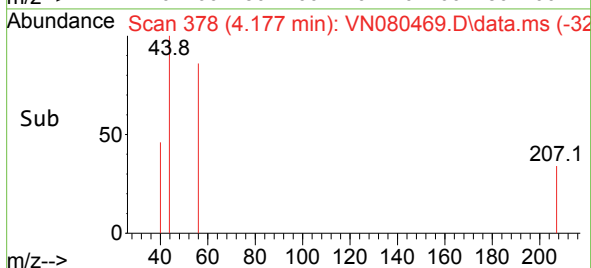
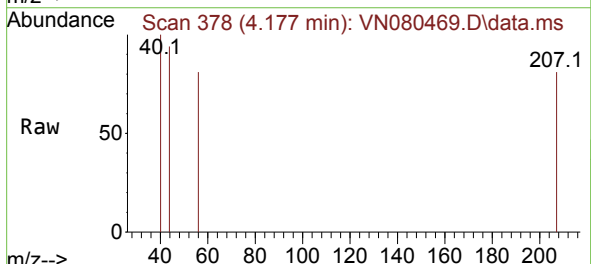


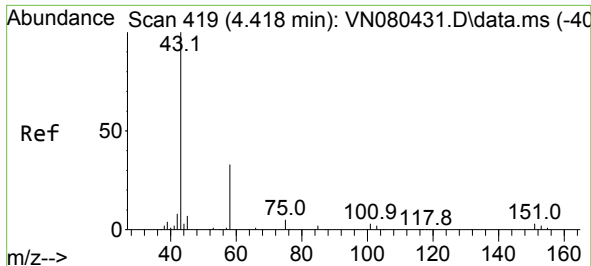
Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.232 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 318.9 54.5 81.7#

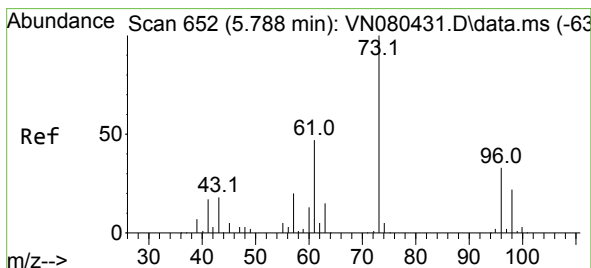
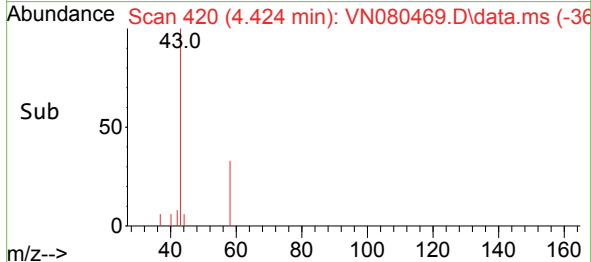
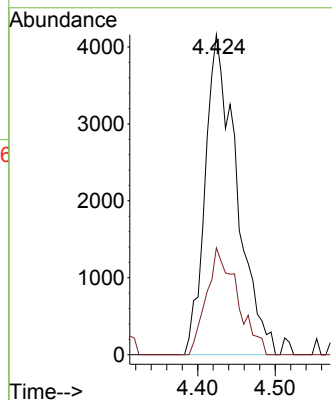
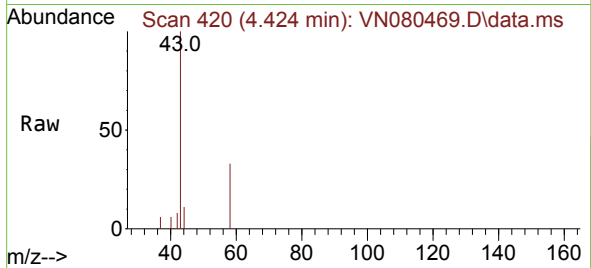




#16
Acetone
Concen: 20.840 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

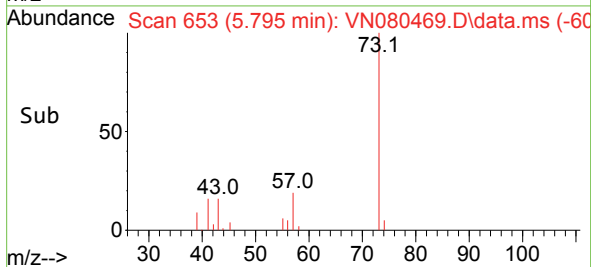
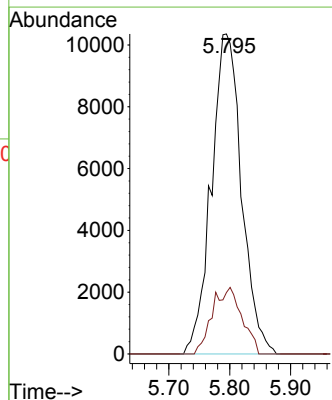
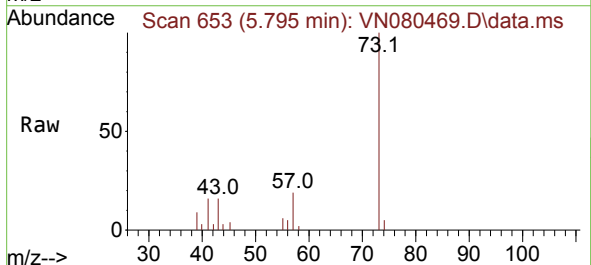
Instrument :
MSVOA_N
ClientSampleId :

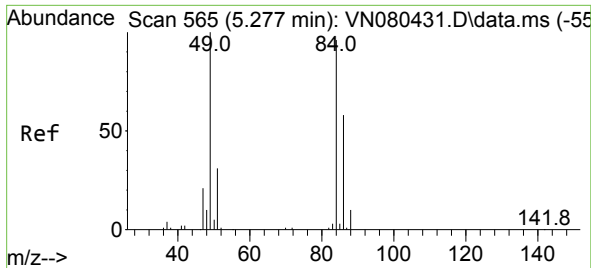
Tgt Ion: 43 Resp: 11755
Ion Ratio Lower Upper
43 100
58 33.4 28.0 42.0



#19
Methyl tert-butyl Ether
Concen: 3.995 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

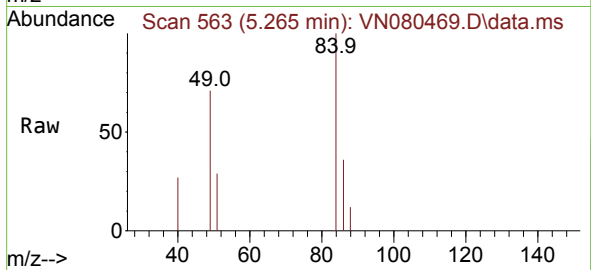
Tgt Ion: 73 Resp: 35685
Ion Ratio Lower Upper
73 100
57 19.2 15.6 23.4



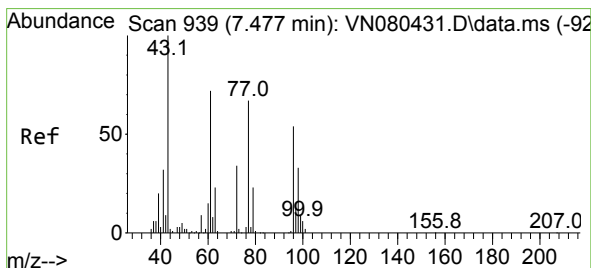
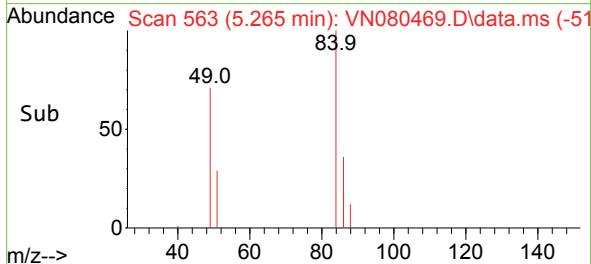
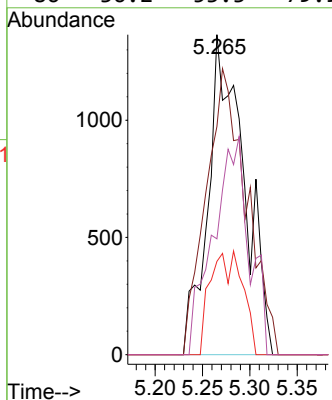


#20
Methylene Chloride
Concen: 1.192 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.011 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

Instrument :
MSVOA_N
ClientSampleId :

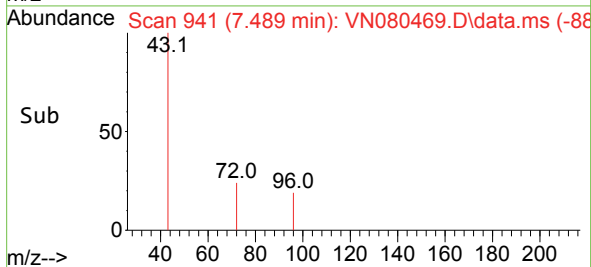
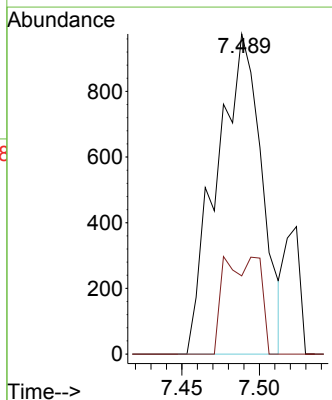
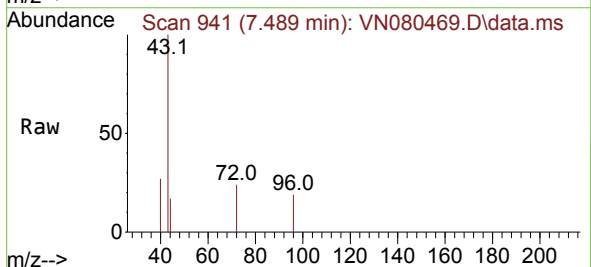


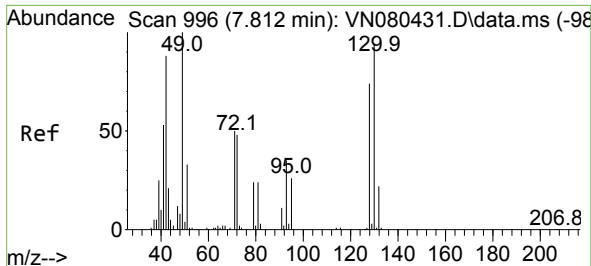
Tgt Ion:	84	Resp:	3597
Ion	Ratio	Lower	Upper
84	100		
49	71.3	79.7	119.5#
51	29.2	25.2	37.8
86	36.2	53.3	79.9#



#25
2-Butanone
Concen: 1.810 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

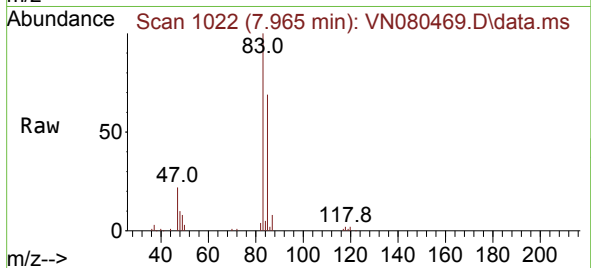
Tgt Ion:	43	Resp:	1967
Ion	Ratio	Lower	Upper
43	100		
72	24.4	30.2	45.2#



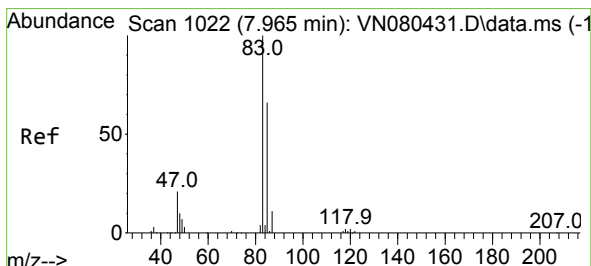
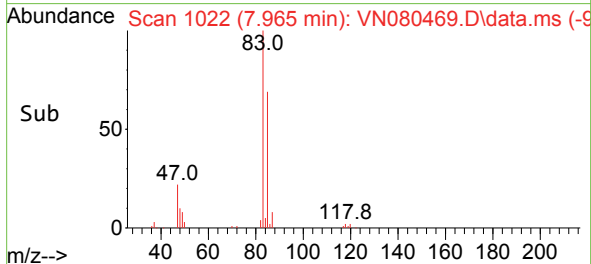
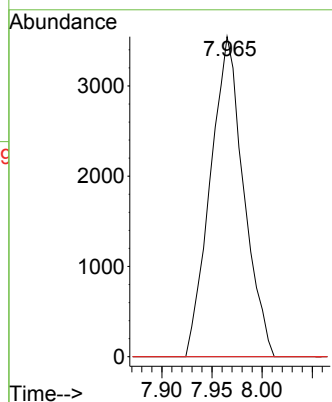


#28
Bromochloromethane
Concen: 4.273 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.153 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

Instrument :
MSVOA_N
ClientSampleId :

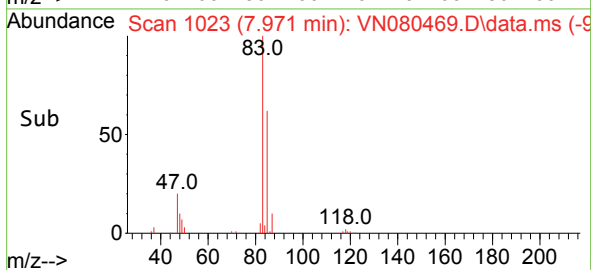
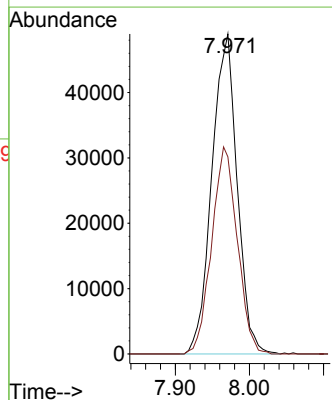
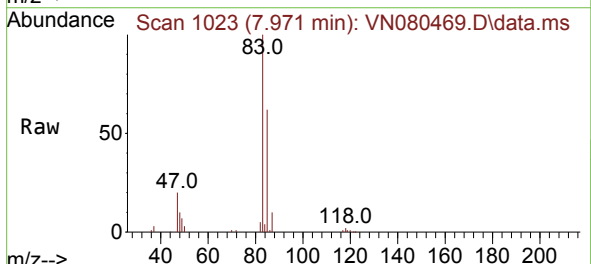


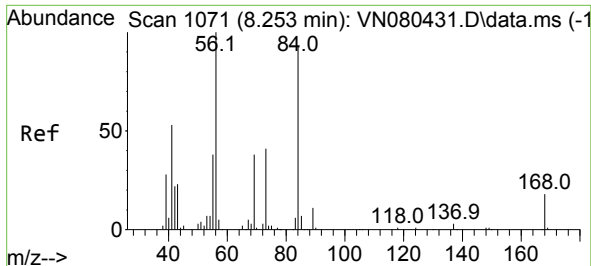
Tgt Ion: 49 Resp: 8185
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#



#30
Chloroform
Concen: 20.963 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

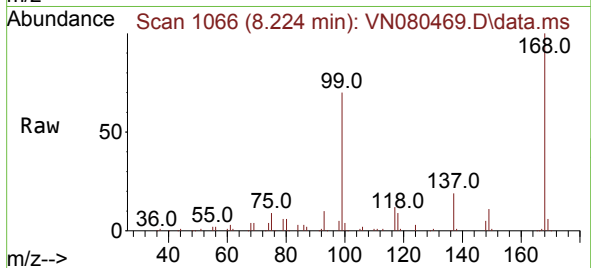
Tgt Ion: 83 Resp: 116079
Ion Ratio Lower Upper
83 100
85 61.6 55.4 83.0



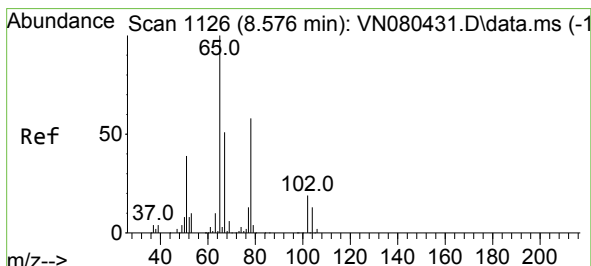
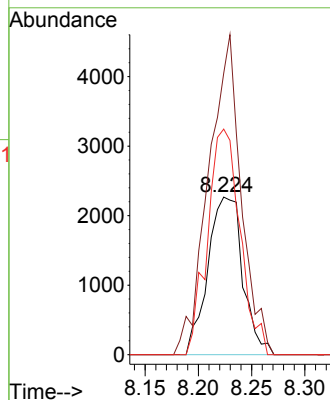
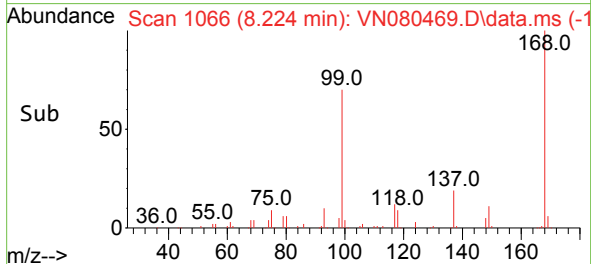


#31
Cyclohexane
Concen: 1.194 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

Instrument :
MSVOA_N
ClientSampleId :

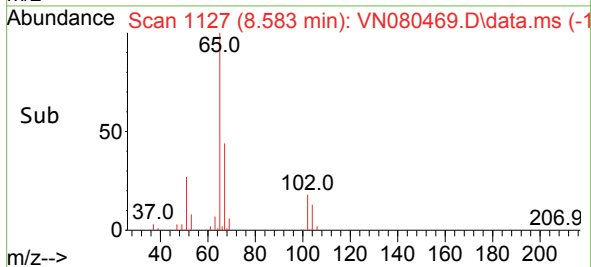
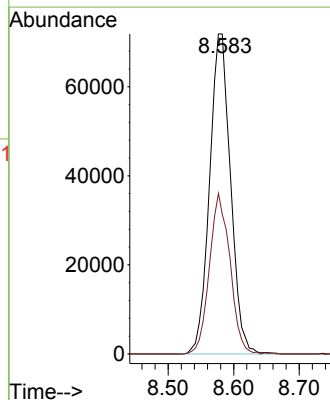
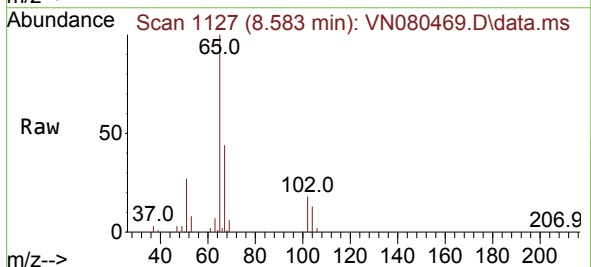


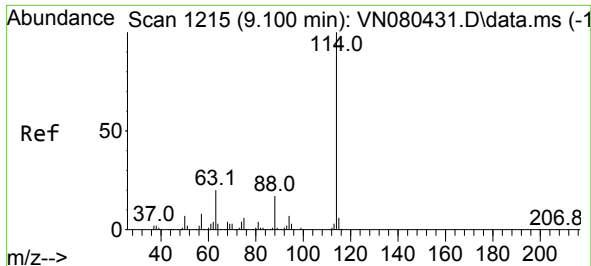
Tgt Ion: 56 Resp: 5166
Ion Ratio Lower Upper
56 100
69 178.7 26.8 40.2#
84 143.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 50.215 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

Tgt Ion: 65 Resp: 159743
Ion Ratio Lower Upper
65 100
67 49.1 0.0 106.6

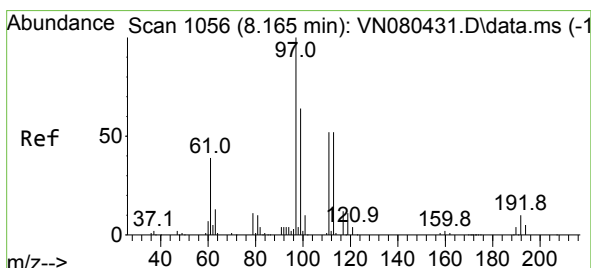
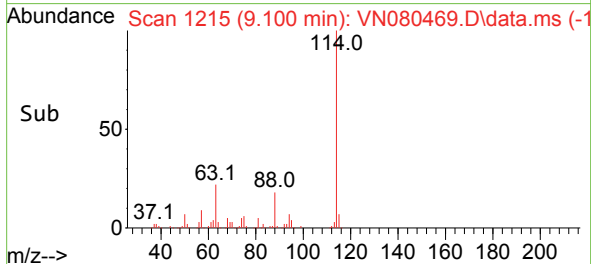
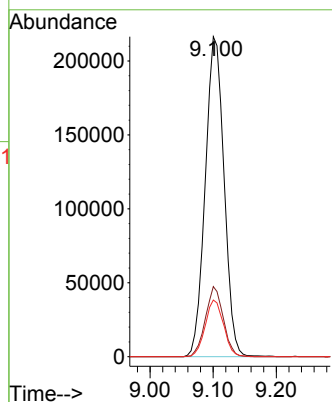
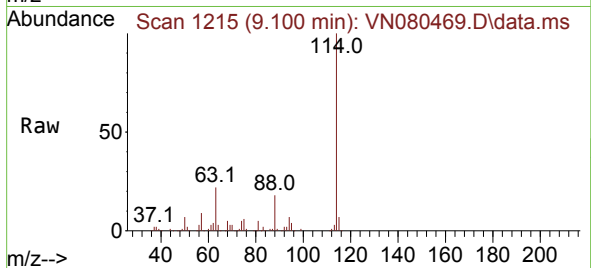




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

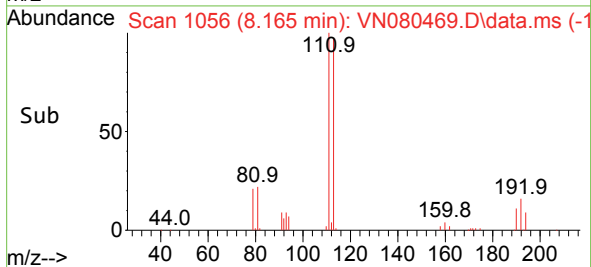
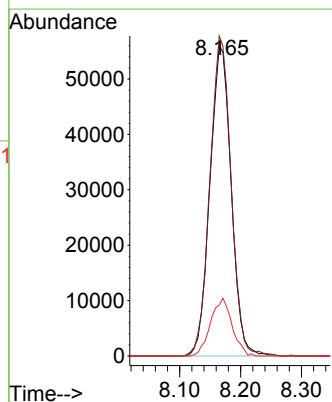
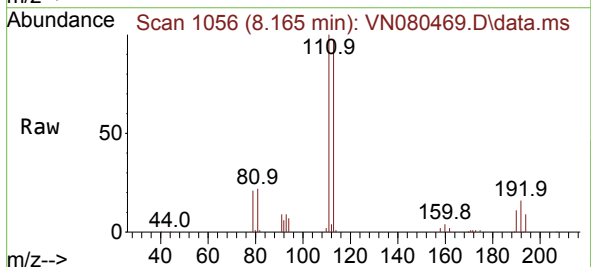
Instrument :
MSVOA_N
ClientSampleId :

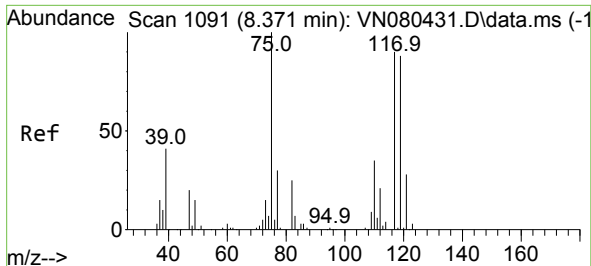
Tgt Ion:114 Resp: 448453
Ion Ratio Lower Upper
114 100
63 21.9 0.0 36.4
88 17.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.726 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

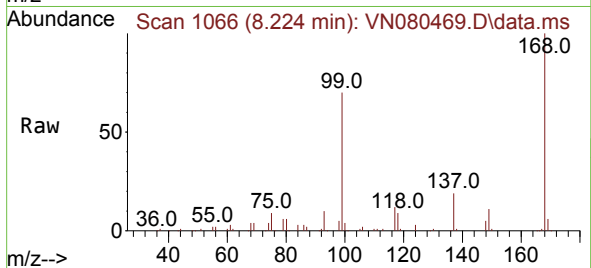
Tgt Ion:113 Resp: 135703
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 18.8 12.7 19.1



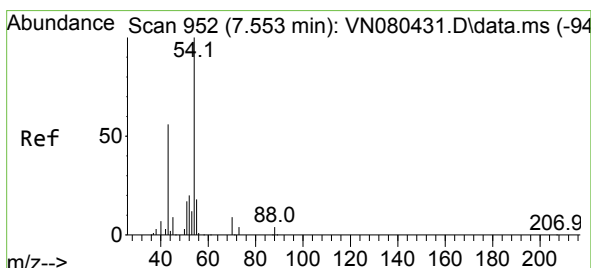
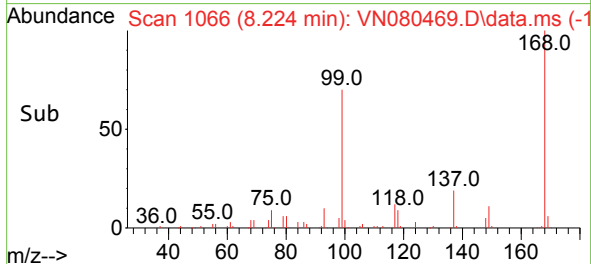
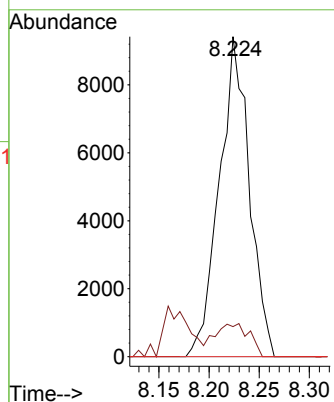


#36
1,1-Dichloropropene
Concen: 4.219 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

Instrument :
MSVOA_N
ClientSampleId :

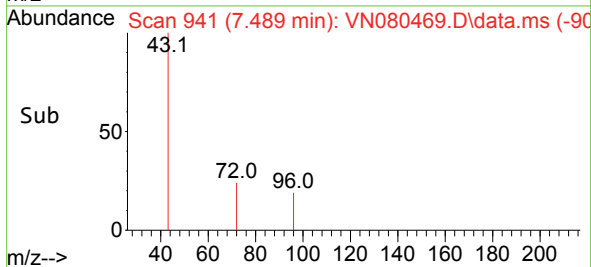
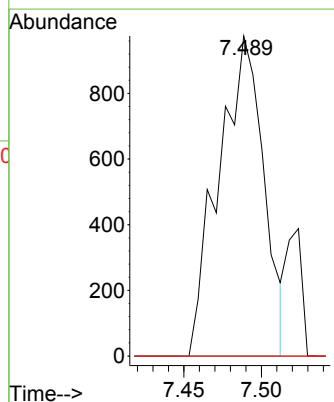
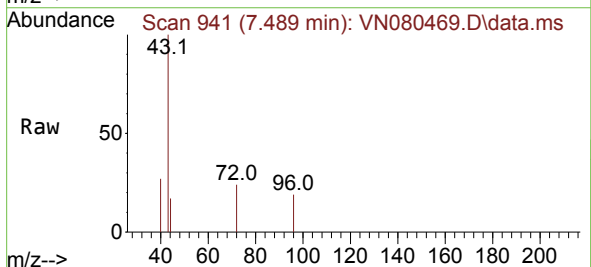


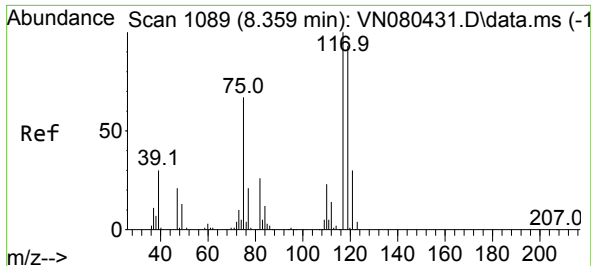
Tgt Ion: 75 Resp: 19614
Ion Ratio Lower Upper
75 100
110 11.8 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.676 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.064 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

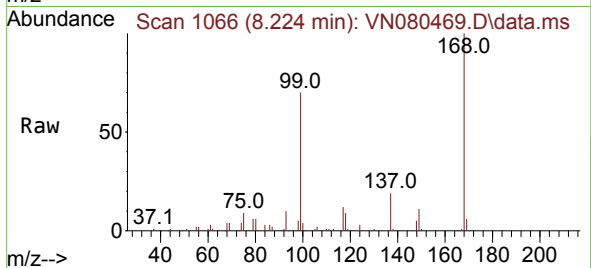
Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



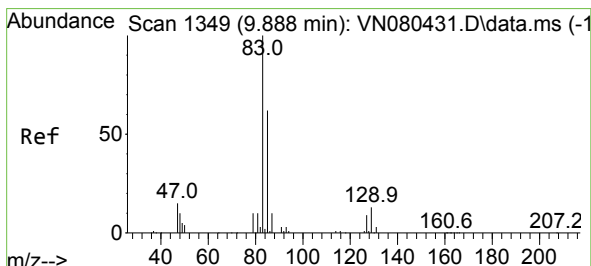
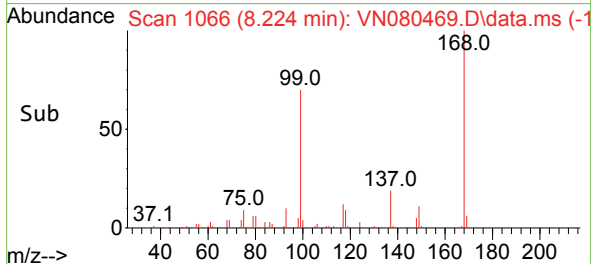
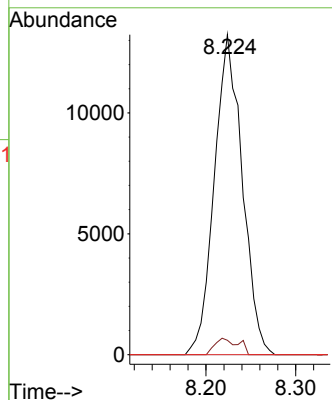


#38
Carbon Tetrachloride
Concen: 5.143 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

Instrument :
MSVOA_N
ClientSampleId :

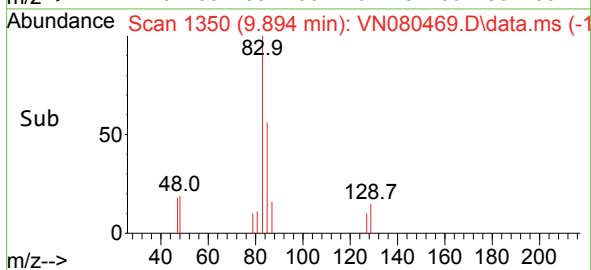
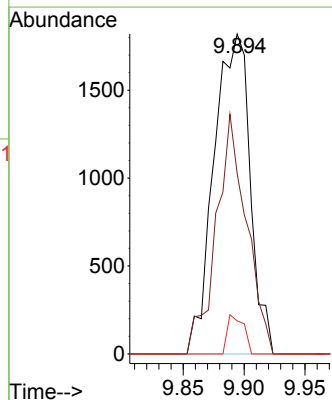
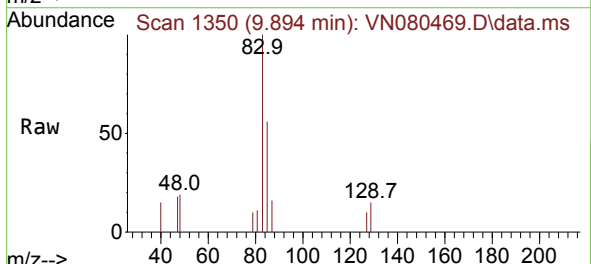


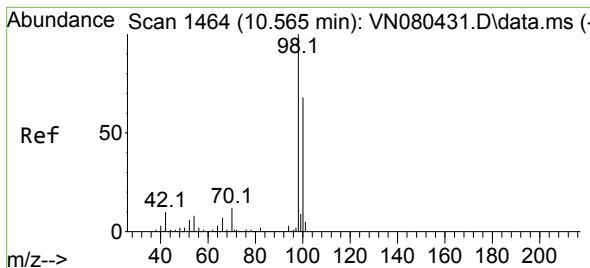
Tgt Ion:117 Resp: 28571
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#



#47
Bromodichloromethane
Concen: 0.775 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN080469.D
Acq: 13 Dec 2023 18:03

Tgt Ion: 83 Resp: 3759
Ion Ratio Lower Upper
83 100
85 56.4 49.6 74.4
127 10.3 7.0 10.6





#50

Toluene-d8

Concen: 45.049 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080469.D

Acq: 13 Dec 2023 18:03

Instrument :

MSVOA_N

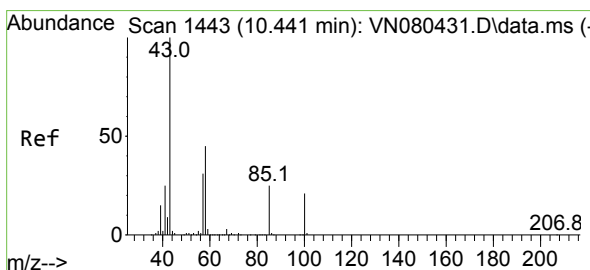
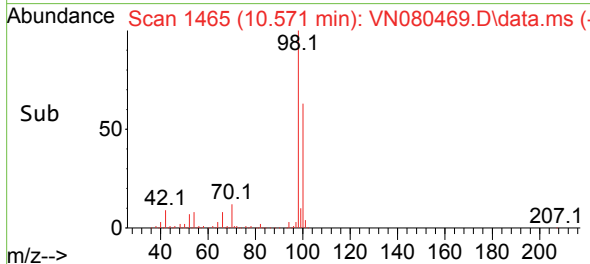
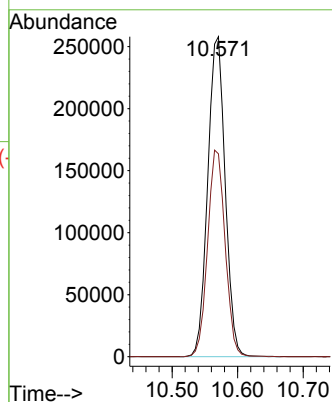
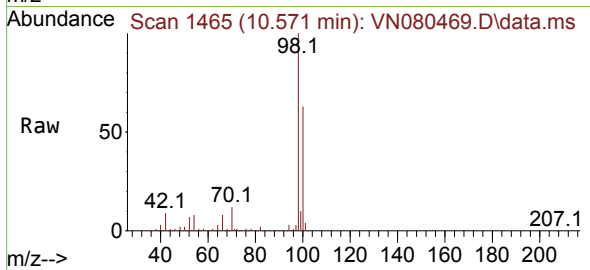
ClientSampleId :

Tgt Ion: 98 Resp: 477718

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.444 ug/l

RT: 10.459 min Scan# 1446

Delta R.T. 0.018 min

Lab File: VN080469.D

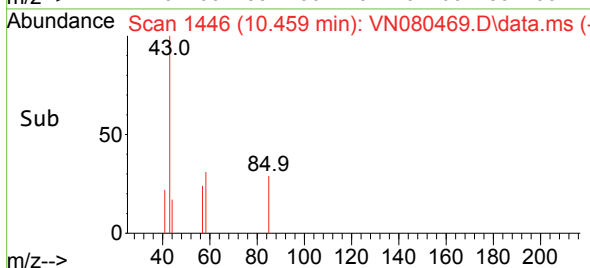
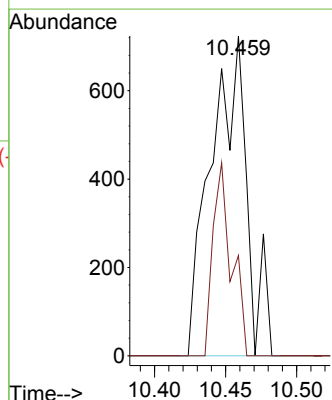
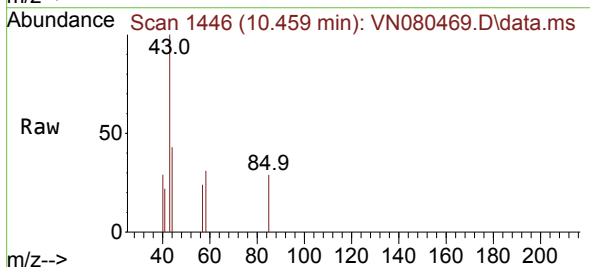
Acq: 13 Dec 2023 18:03

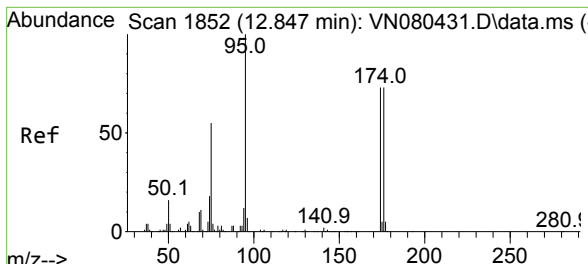
Tgt Ion: 43 Resp: 1279

Ion Ratio Lower Upper

43 100

58 31.1 36.6 54.8#

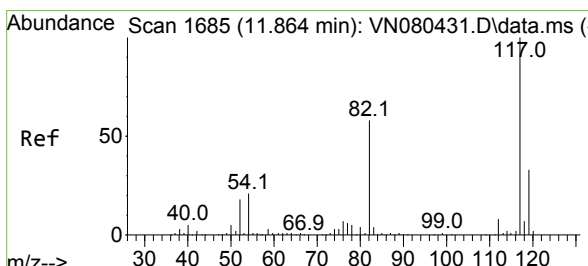
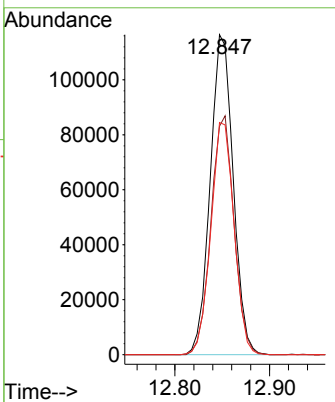
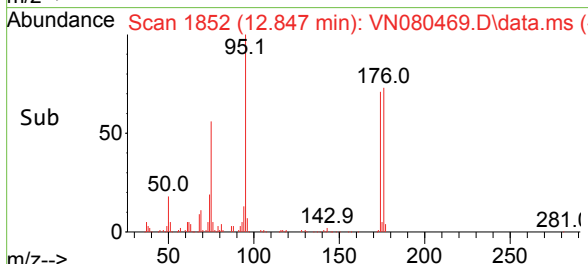
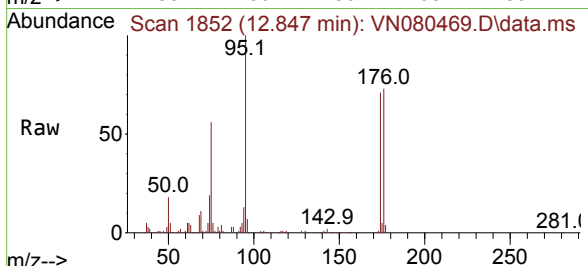




#62
 4-Bromofluorobenzene
 Concen: 48.755 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN080469.D
 Acq: 13 Dec 2023 18:03

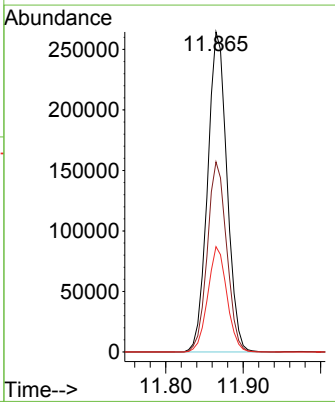
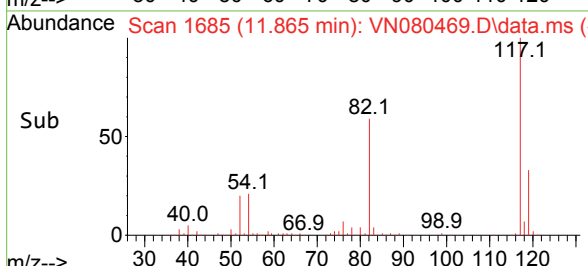
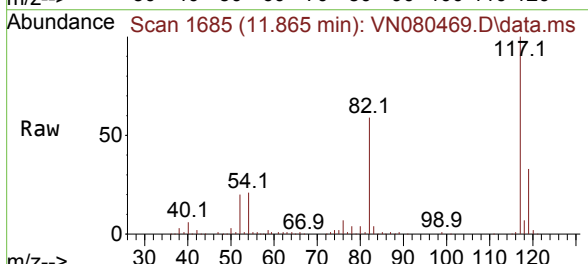
Instrument :
 MSVOA_N
 ClientSampleId :

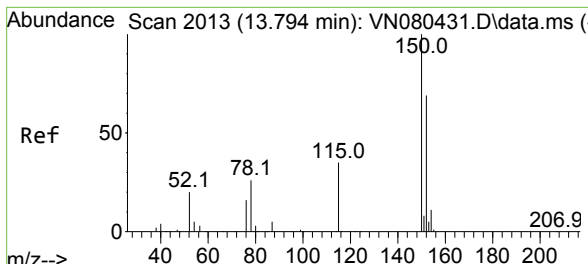
Tgt Ion:	95	Resp:	196325
Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	143.8
176	73.2	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN080469.D
 Acq: 13 Dec 2023 18:03

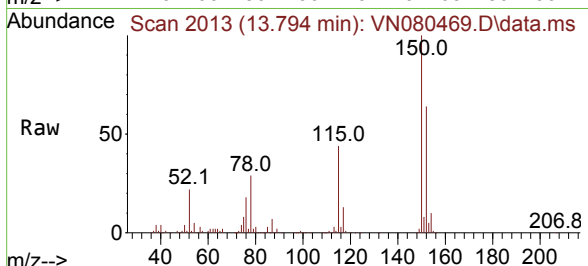
Tgt Ion:	117	Resp:	460407
Ion	Ratio	Lower	Upper
117	100		
82	59.4	44.0	66.0
119	32.9	25.6	38.4



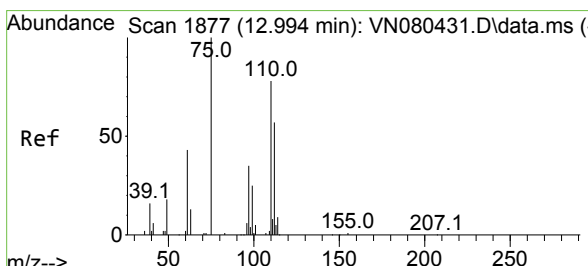
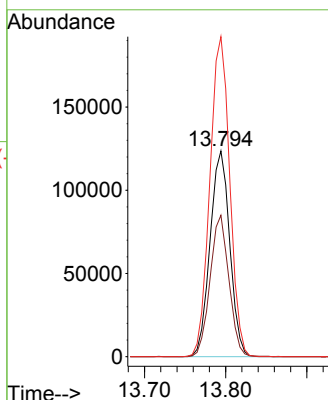
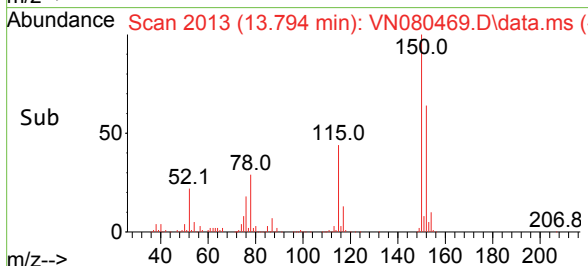


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080469.D
 Acq: 13 Dec 2023 18:03

Instrument :
 MSVOA_N
 ClientSampleId :

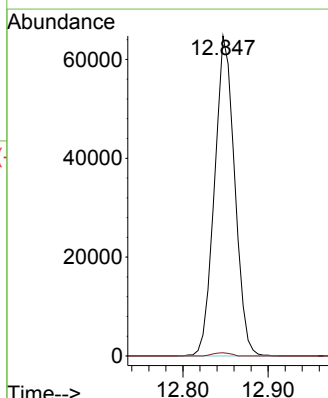
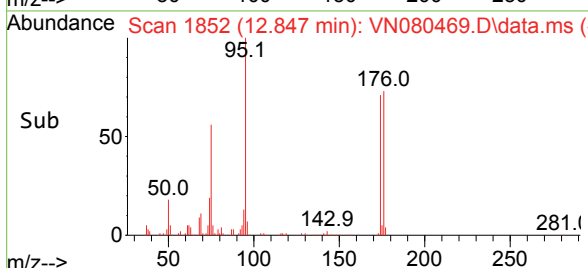
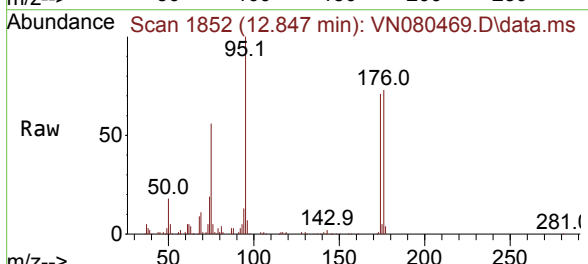


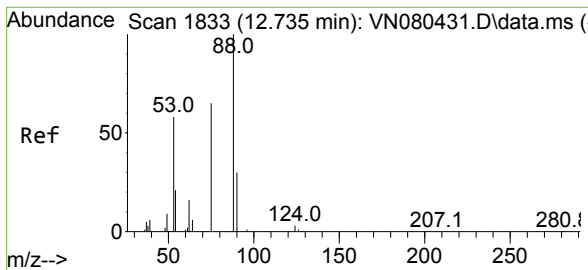
Tgt Ion:152 Resp: 208552
 Ion Ratio Lower Upper
 152 100
 115 65.5 32.3 96.8
 150 156.6 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.594 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080469.D
 Acq: 13 Dec 2023 18:03

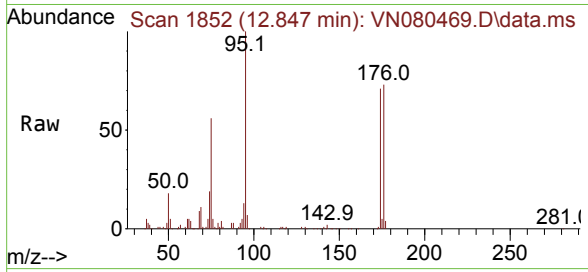
Tgt Ion: 75 Resp: 106483
 Ion Ratio Lower Upper
 75 100
 77 0.9 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.198 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080469.D
 Acq: 13 Dec 2023 18:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 106483
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

