

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076469.D
 Acq On : 30 Jan 2023 20:06
 Operator : JC\MD
 Sample : 01333-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:46:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

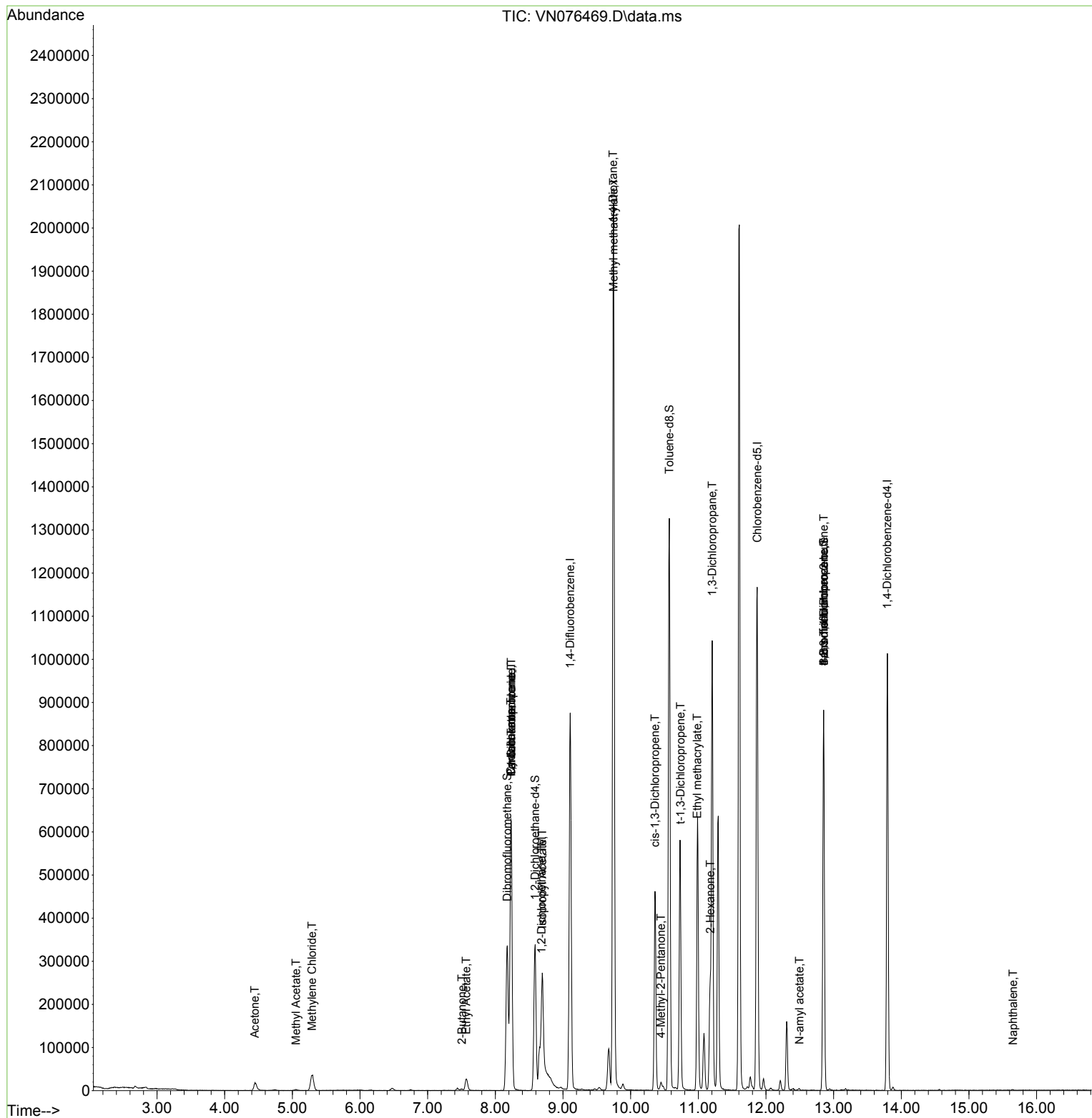
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	472081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	792959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	711742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	268498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	286729	54.245	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.480%		
35) Dibromofluoromethane	8.177	113	241593	48.705	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.420%		
50) Toluene-d8	10.571	98	928640	50.693	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.380%		
62) 4-Bromofluorobenzene	12.853	95	293292	49.043	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.080%		
Target Compounds						Qvalue
16) Acetone	4.447	43	35619	20.953	ug/l	92
18) Methyl Acetate	5.053	43	4291	0.747	ug/l #	68
20) Methylene Chloride	5.289	84	30863	5.621	ug/l	95
25) 2-Butanone	7.506	43	5050	1.951	ug/l	94
31) Cyclohexane	8.230	56	9815	1.209	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	36898	5.235	ug/l #	49
37) Ethyl Acetate	7.571	43	41394	7.353	ug/l	98
38) Carbon Tetrachloride	8.235	117	48419	6.160	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	2167	0.301	ug/l #	73
43) Isopropyl Acetate	8.694	43	449493	48.873	ug/l #	70
48) Methyl methacrylate	9.747	41	189754	43.581	ug/l #	35
49) 1,4-Dioxane	9.741	88	145	1.578	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	16901	3.130	ug/l #	73
53) t-1,3-Dichloropropene	10.735	75	1528	0.217	ug/l #	56
54) cis-1,3-Dichloropropene	10.359	75	87177	10.757	ug/l #	65
56) Ethyl methacrylate	10.982	69	2481	0.357	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11296	1.290	ug/l #	42
59) 2-Hexanone	11.176	43	179565	45.896	ug/l #	21
71) Bromoform	12.853	173	1950	0.482	ug/l #	1
74) N-amyl acetate	12.494	43	1725	0.289	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	156364	31.619	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	156364	96.896	ug/l #	11
95) Naphthalene	15.653	128	1947	1.973	ug/l #	87

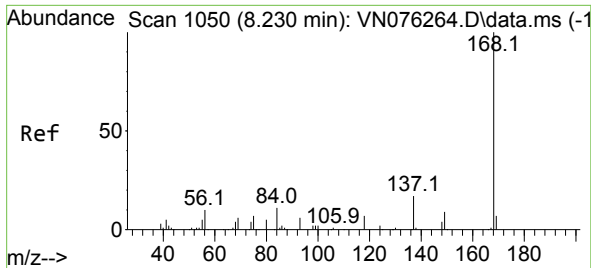
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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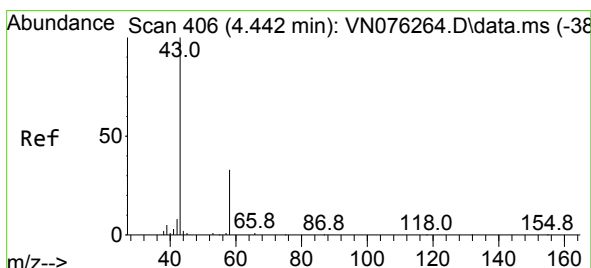
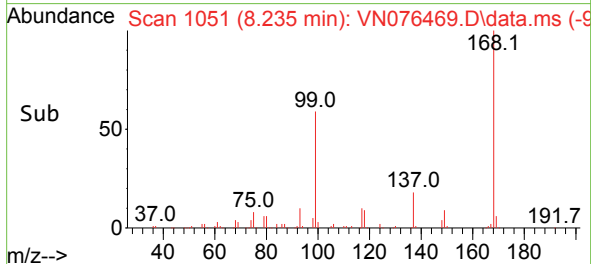
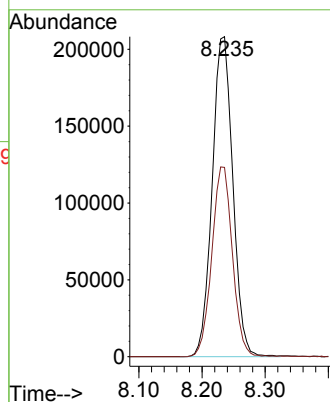
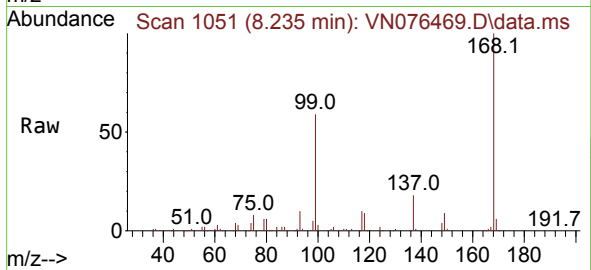




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

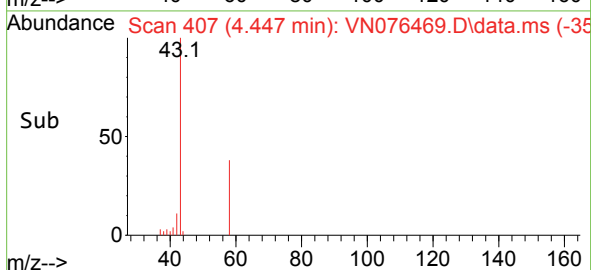
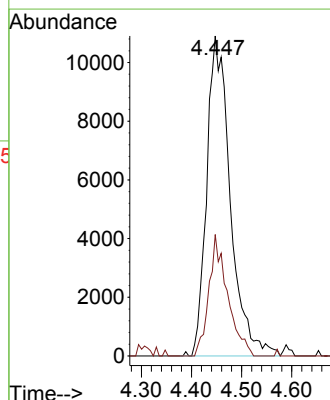
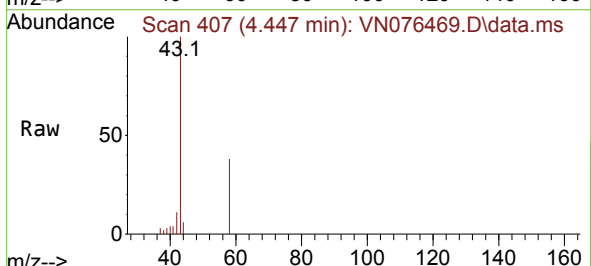
Instrument :
MSVOA_N
ClientSampleId :

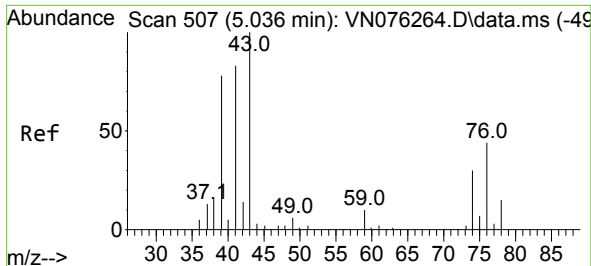
Tgt Ion:168 Resp: 472081
Ion Ratio Lower Upper
168 100
99 59.2 41.6 62.4



#16
Acetone
Concen: 20.953 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.005 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion: 43 Resp: 35619
Ion Ratio Lower Upper
43 100
58 37.9 26.7 40.1

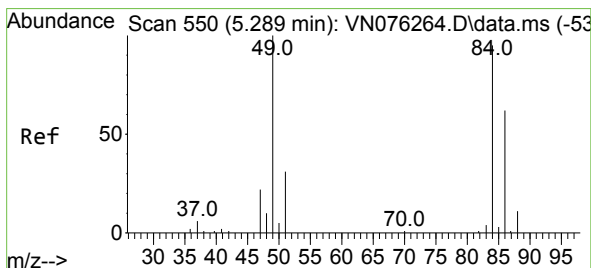
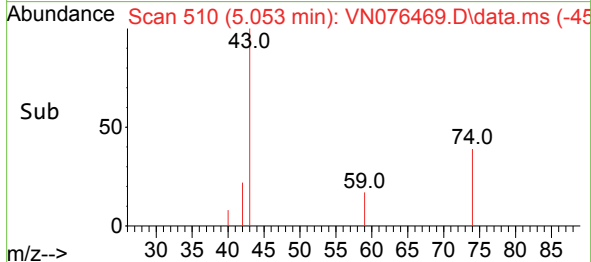
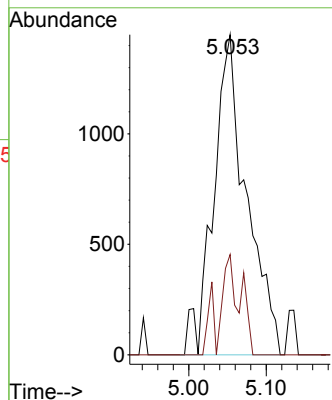
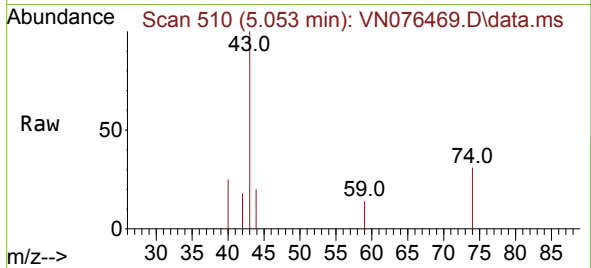




#18
Methyl Acetate
Concen: 0.747 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

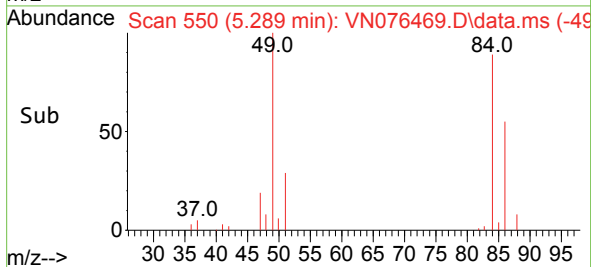
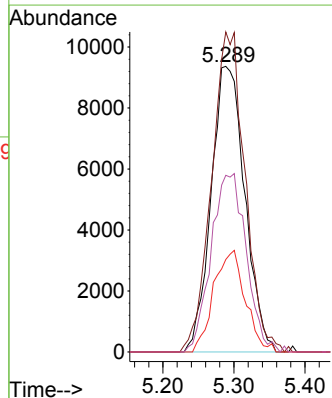
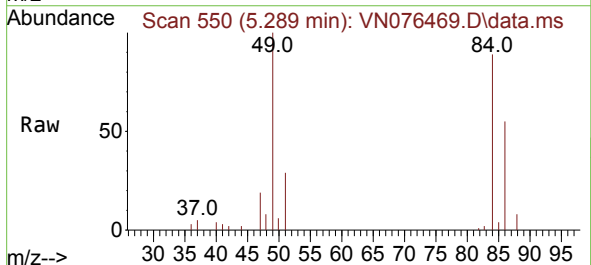
Instrument :
MSVOA_N
ClientSampleId :

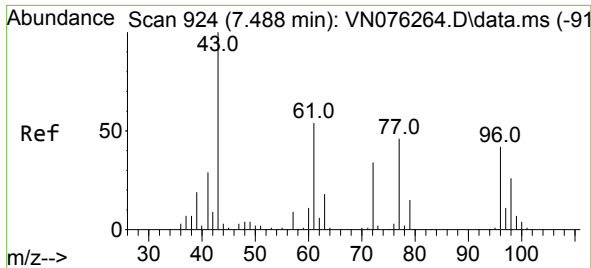
Tgt Ion: 43 Resp: 4291
Ion Ratio Lower Upper
43 100
74 12.0 23.3 34.9#



#20
Methylene Chloride
Concen: 5.621 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion: 84 Resp: 30863
Ion Ratio Lower Upper
84 100
49 112.1 84.5 126.7
51 32.4 26.0 39.0
86 61.8 52.0 78.0

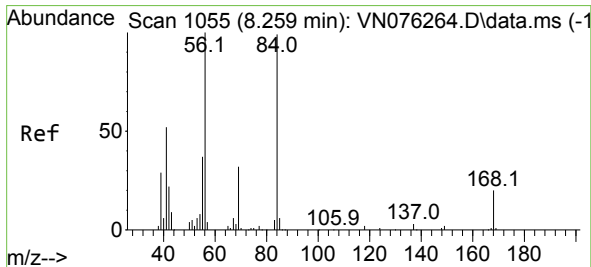
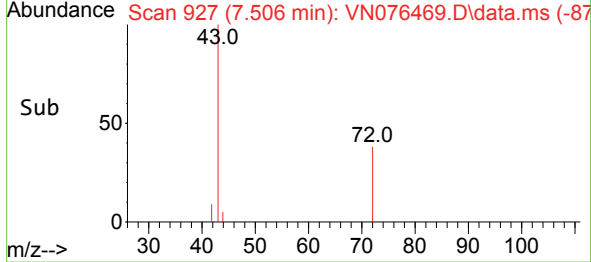
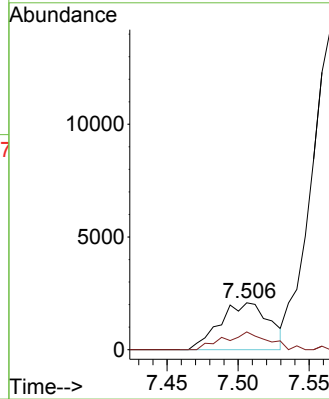
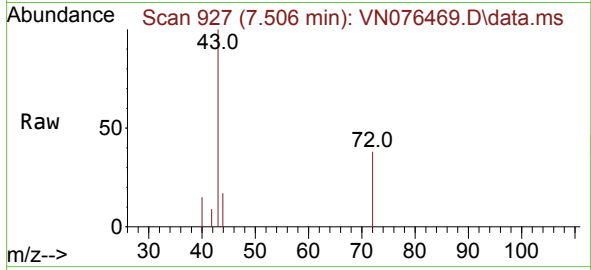




#25
2-Butanone
Concen: 1.951 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

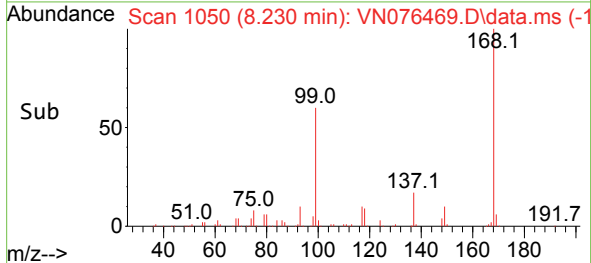
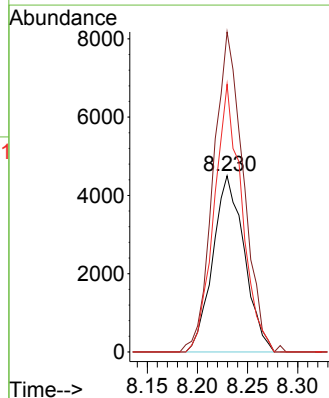
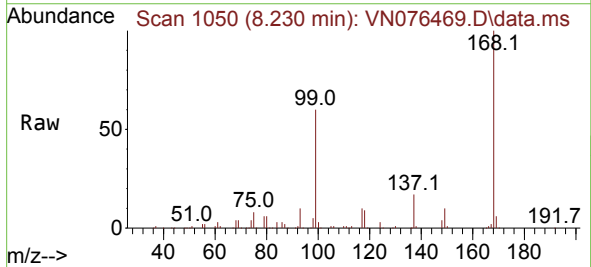
Instrument :
MSVOA_N
ClientSampleId :

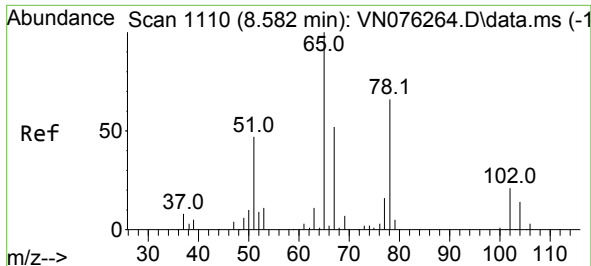
Tgt Ion: 43 Resp: 5050
Ion Ratio Lower Upper
43 100
72 37.8 27.4 41.2



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion: 56 Resp: 9815
Ion Ratio Lower Upper
56 100
69 181.6 25.8 38.8#
84 151.9 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 54.245 ug/l

RT: 8.588 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VN076469.D

Acq: 30 Jan 2023 20:06

Instrument :

MSVOA_N

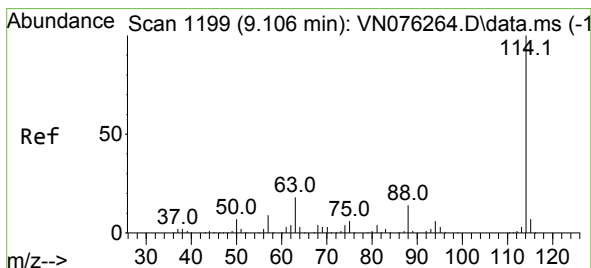
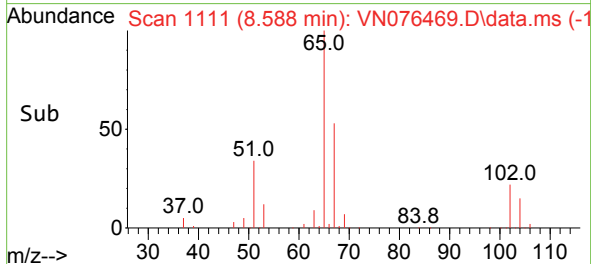
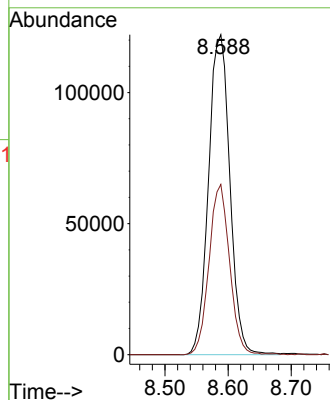
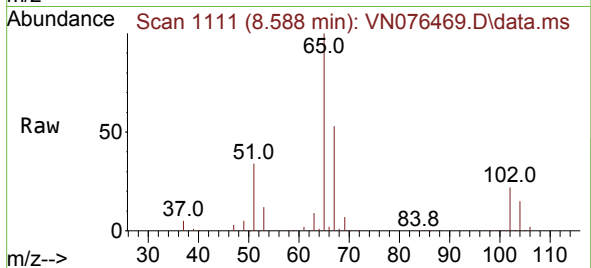
ClientSampleId :

Tgt Ion: 65 Resp: 286729

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076469.D

Acq: 30 Jan 2023 20:06

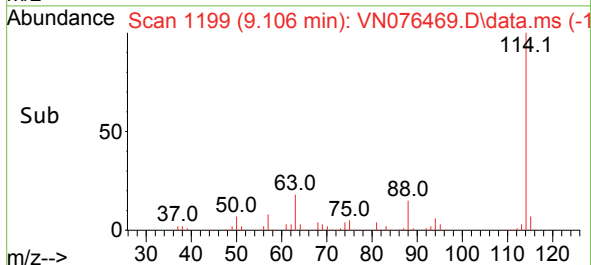
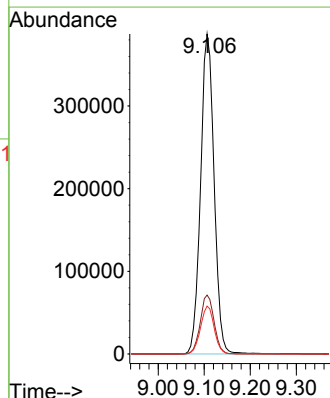
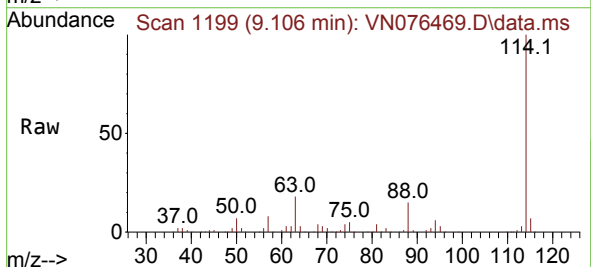
Tgt Ion: 114 Resp: 792959

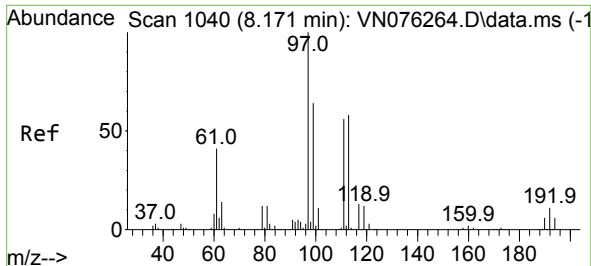
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.8

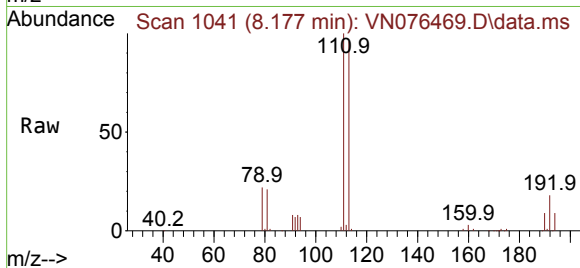
88 14.9 0.0 28.0



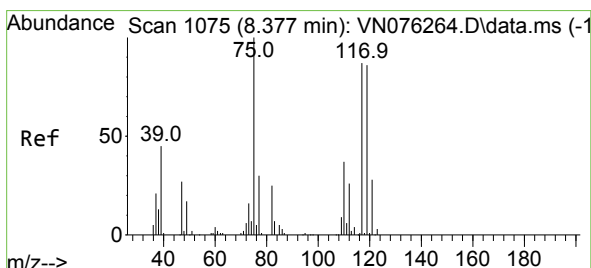
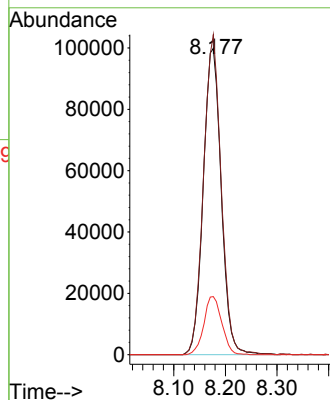
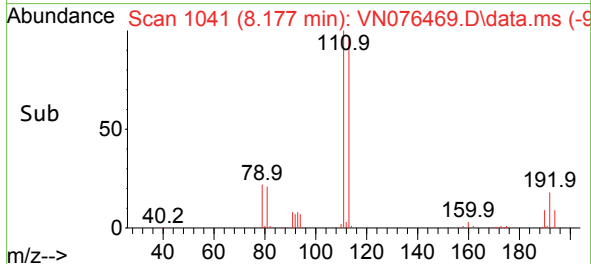


#35
Dibromofluoromethane
Concen: 48.705 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Instrument :
MSVOA_N
ClientSampleId :

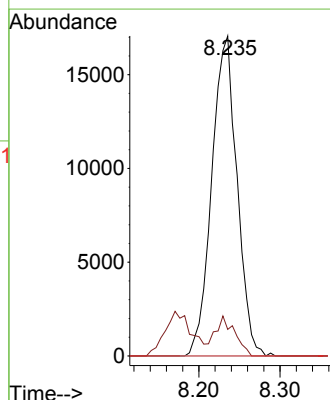
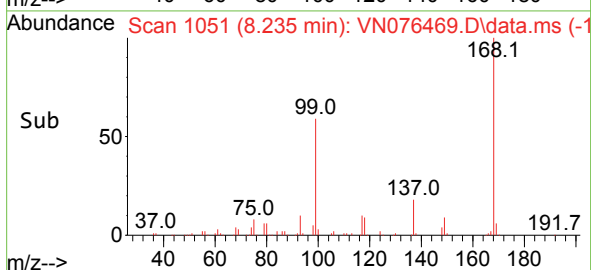
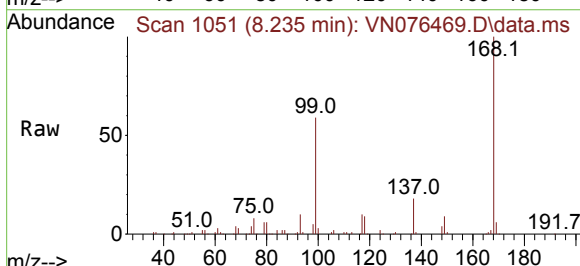


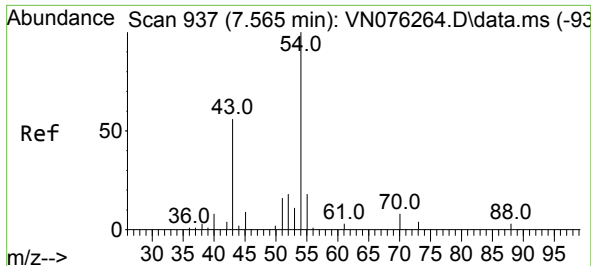
Tgt Ion:113 Resp: 241593
Ion Ratio Lower Upper
113 100
111 102.7 82.7 124.1
192 18.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.235 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.142 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion: 75 Resp: 36898
Ion Ratio Lower Upper
75 100
110 10.0 18.8 56.3#
77 0.0 25.0 37.4#

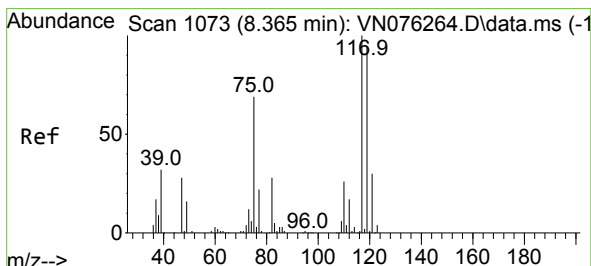
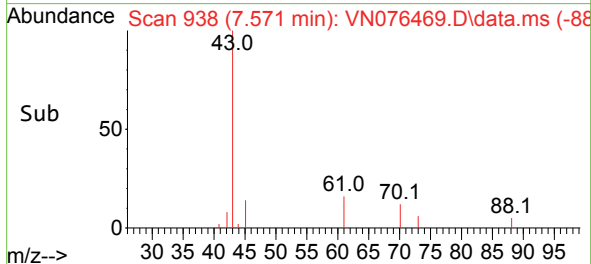
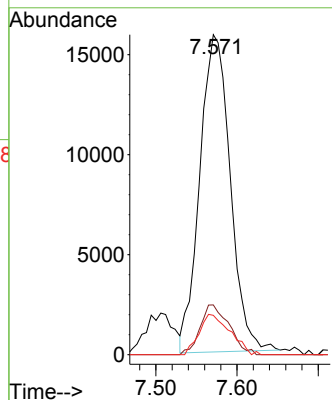
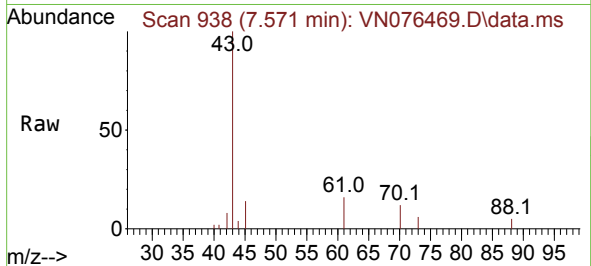




#37
Ethyl Acetate
Concen: 7.353 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

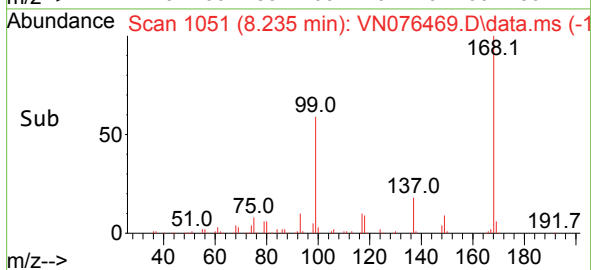
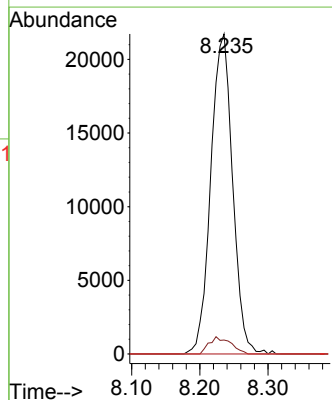
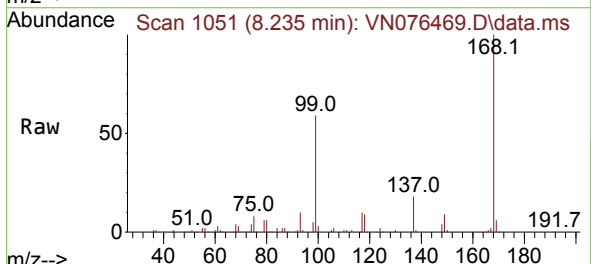
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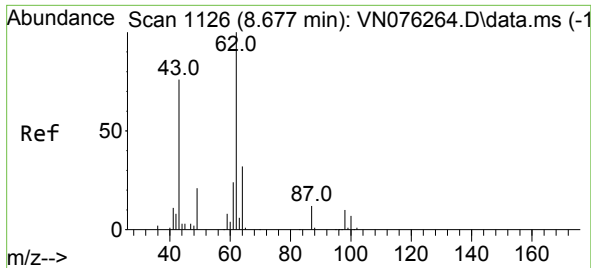
Tgt Ion: 43 Resp: 41394
Ion Ratio Lower Upper
43 100
61 15.0 11.1 16.7
70 12.9 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.160 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion: 117 Resp: 48419
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.0#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.301 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN076469.D

Acq: 30 Jan 2023 20:06

Instrument :

MSVOA_N

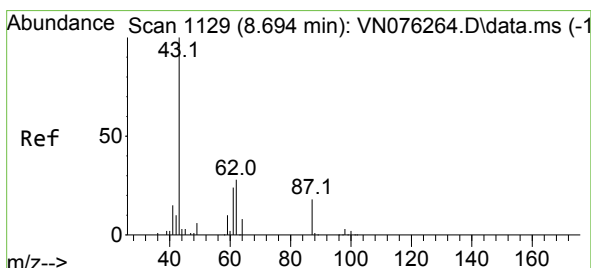
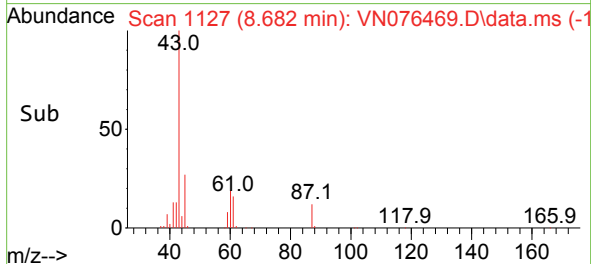
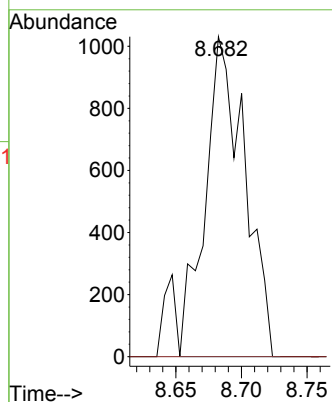
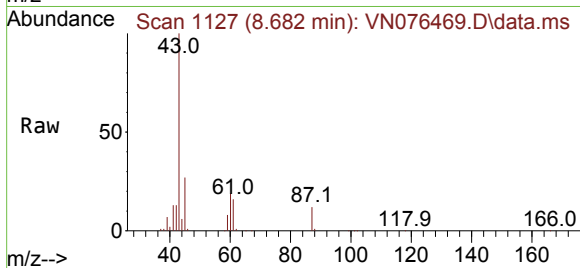
ClientSampleId :

Tgt Ion: 62 Resp: 2167

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#43

Isopropyl Acetate

Concen: 48.873 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076469.D

Acq: 30 Jan 2023 20:06

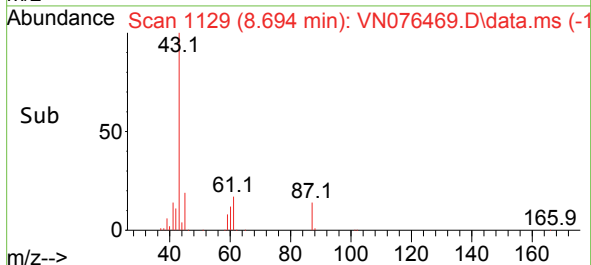
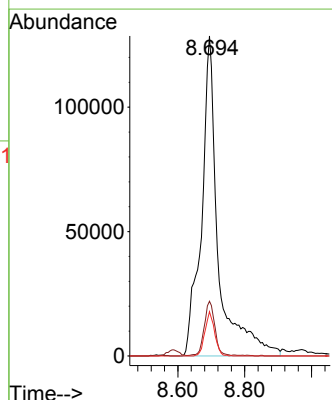
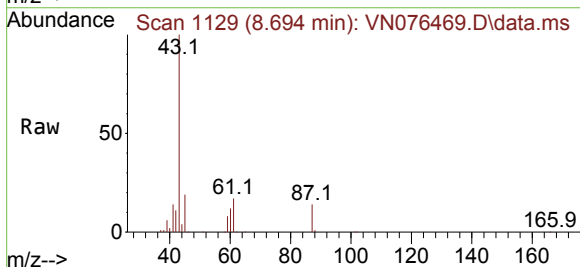
Tgt Ion: 43 Resp: 449493

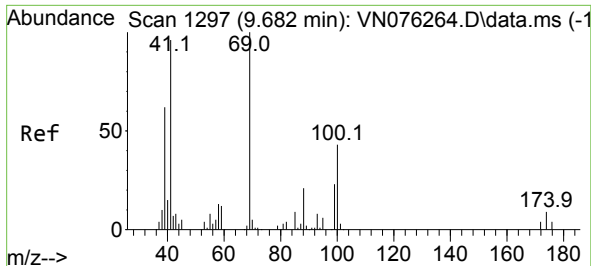
Ion Ratio Lower Upper

43 100

61 10.5 23.5 35.3#

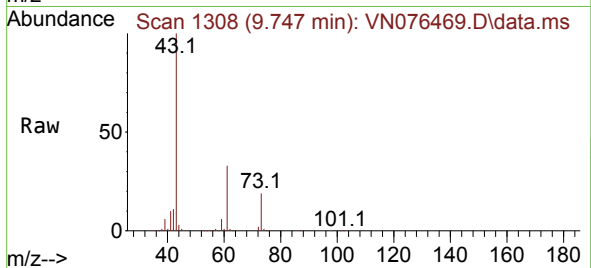
87 8.0 13.8 20.6#



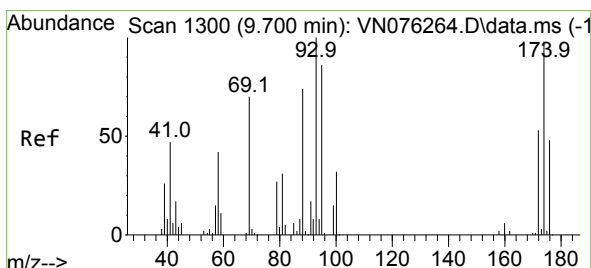
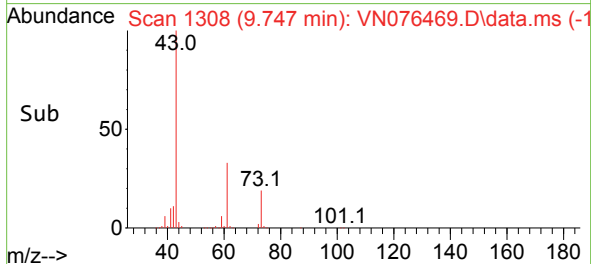
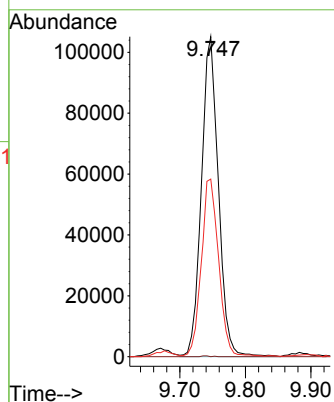


#48
Methyl methacrylate
Concen: 43.581 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Instrument :
MSVOA_N
ClientSampleId :

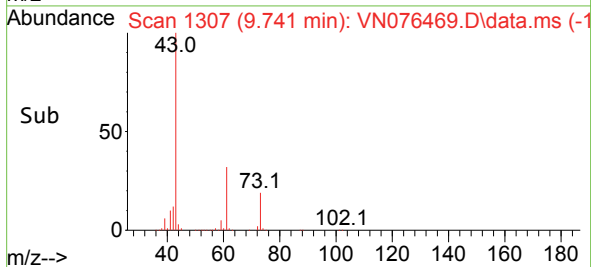
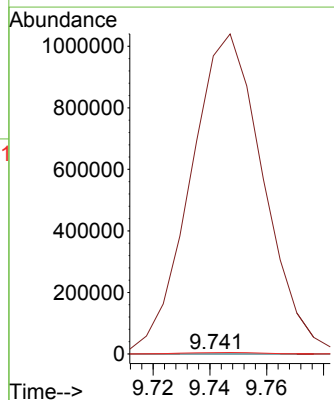
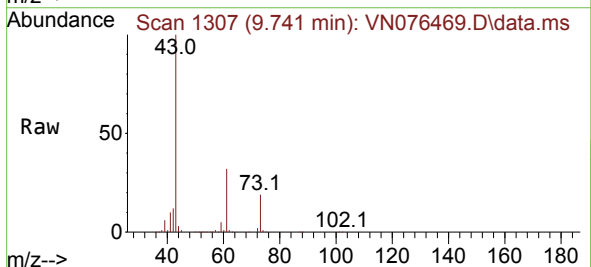


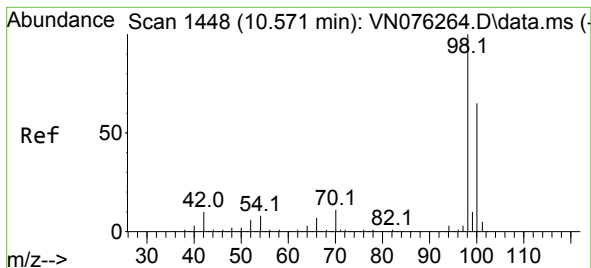
Tgt Ion: 41 Resp: 189754
Ion Ratio Lower Upper
41 100
69 0.1 80.8 121.2#
39 56.8 54.4 81.6



#49
1,4-Dioxane
Concen: 1.578 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 1294678.6 18.1 27.1#
58 6326.2 46.5 69.7#





#50

Toluene-d8

Concen: 50.693 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

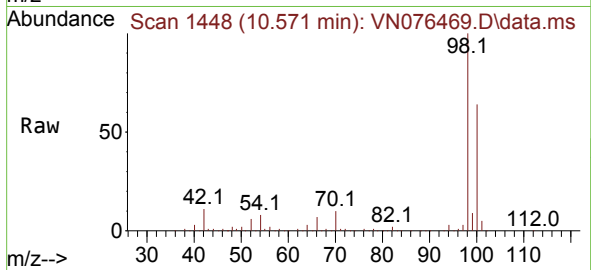
Lab File: VN076469.D

Acq: 30 Jan 2023 20:06

Instrument :

MSVOA_N

ClientSampleId :

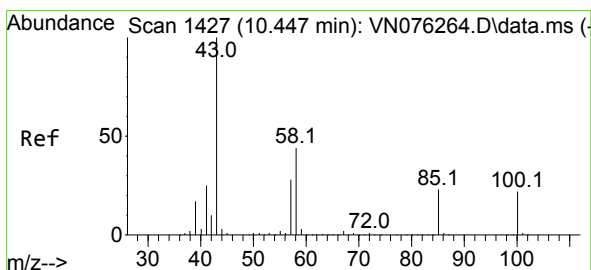
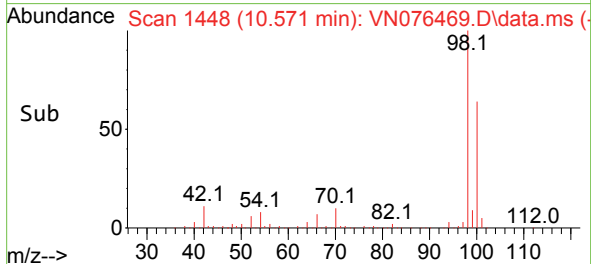
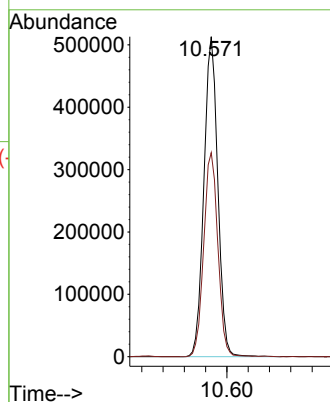


Tgt Ion: 98 Resp: 928640

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 3.130 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN076469.D

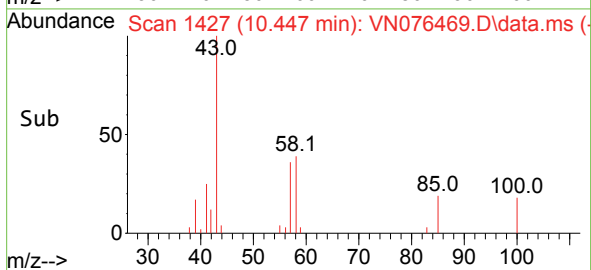
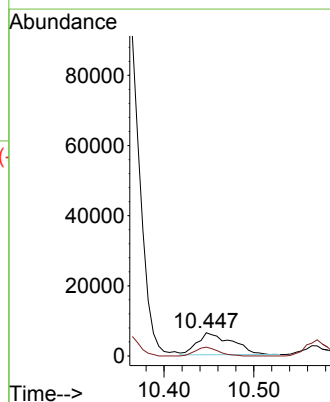
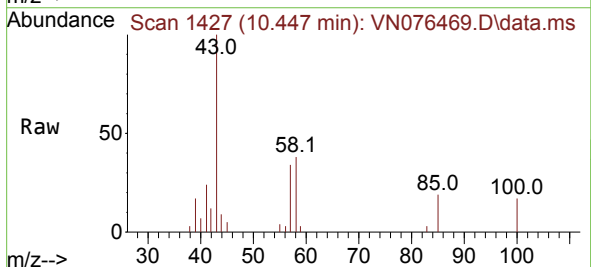
Acq: 30 Jan 2023 20:06

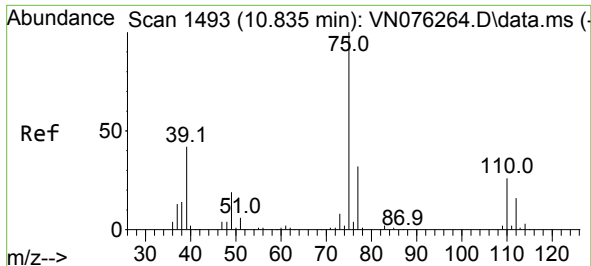
Tgt Ion: 43 Resp: 16901

Ion Ratio Lower Upper

43 100

58 26.5 35.1 52.7#

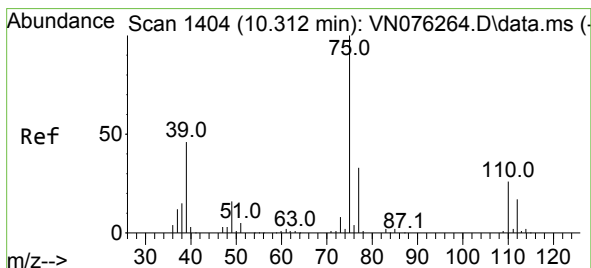
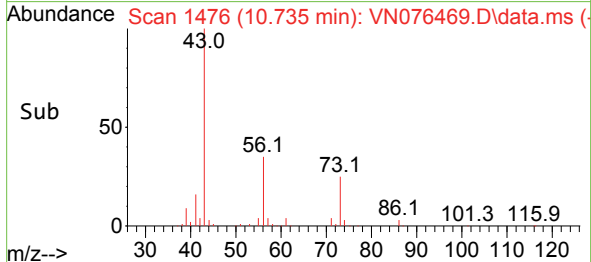
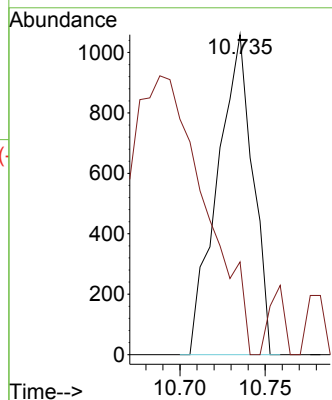
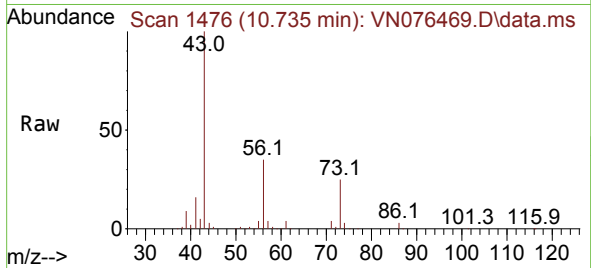




#53
 t-1,3-Dichloropropene
 Concen: 0.217 ug/l
 RT: 10.735 min Scan# 1412
 Delta R.T. -0.100 min
 Lab File: VN076469.D
 Acq: 30 Jan 2023 20:06

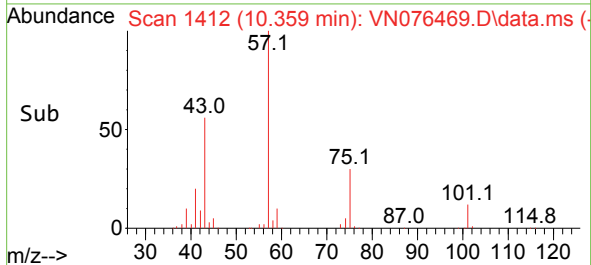
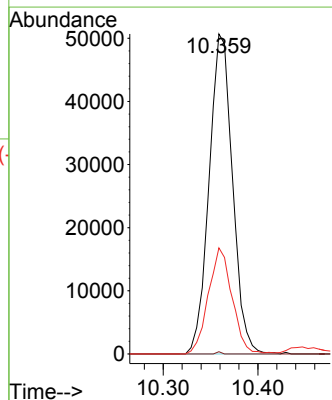
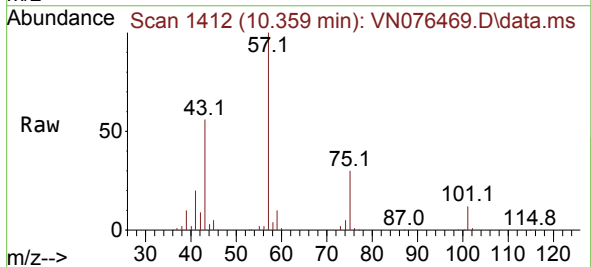
Instrument :
 MSVOA_N
 ClientSampleId :

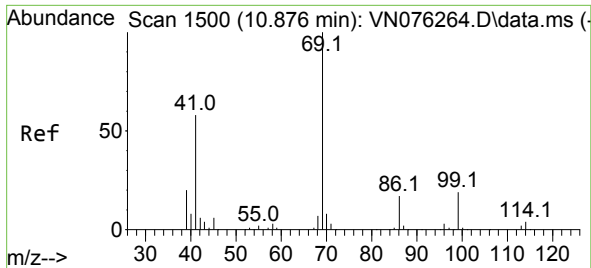
Tgt Ion: 75 Resp: 1528
 Ion Ratio Lower Upper
 75 100
 77 7.4 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 10.757 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076469.D
 Acq: 30 Jan 2023 20:06

Tgt Ion: 75 Resp: 87177
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.5 39.7#
 39 33.1 37.1 55.7#

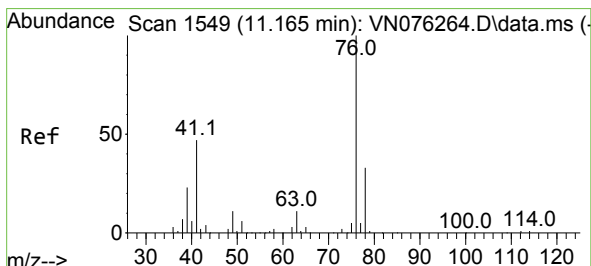
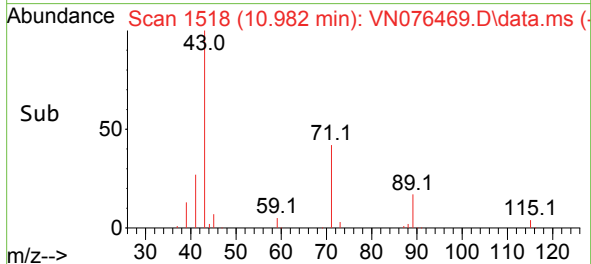
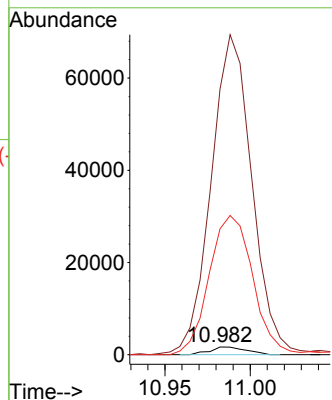
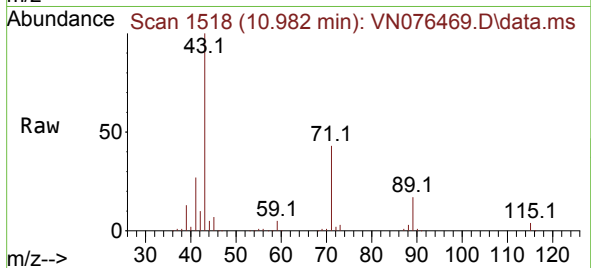




#56
Ethyl methacrylate
Concen: 0.357 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.106 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

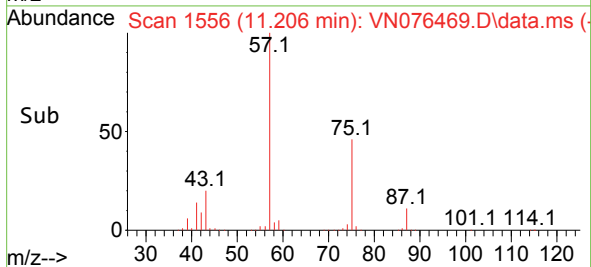
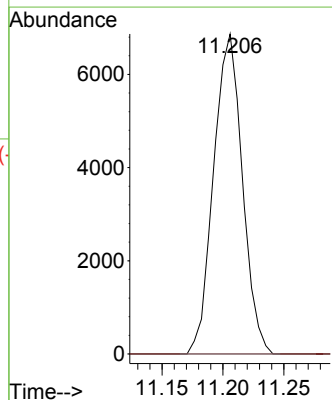
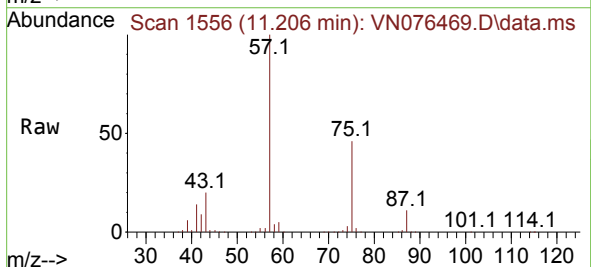
Instrument :
MSVOA_N
ClientSampleId :

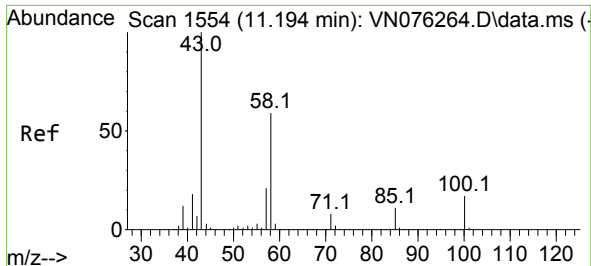
Tgt Ion: 69 Resp: 2481
Ion Ratio Lower Upper
69 100
41 4674.0 45.3 67.9#
39 2177.7 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.290 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion: 76 Resp: 11296
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

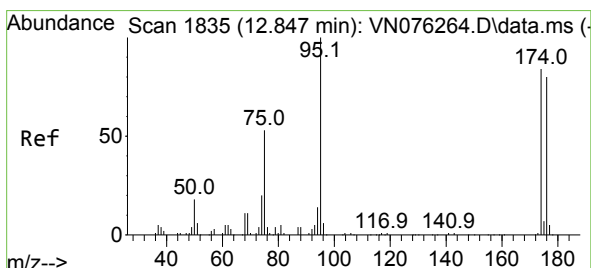
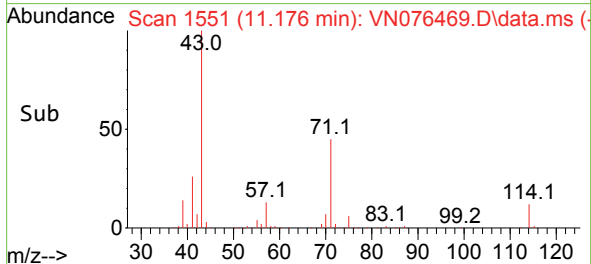
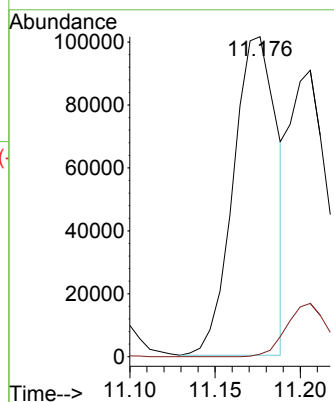
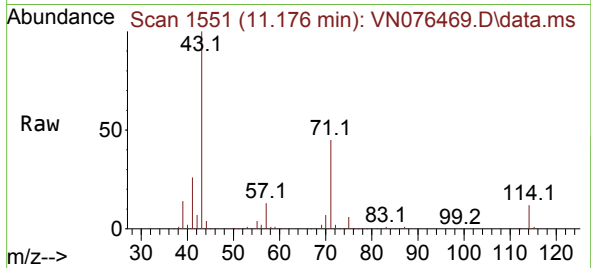




#59
2-Hexanone
Concen: 45.896 ug/l
RT: 11.176 min Scan# 11551
Delta R.T. -0.018 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

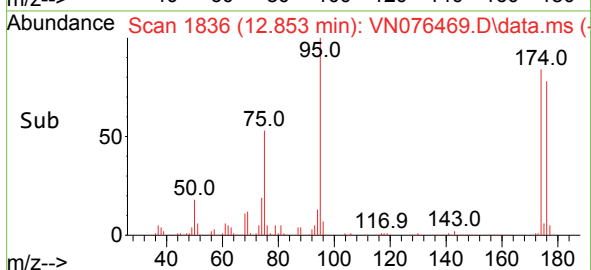
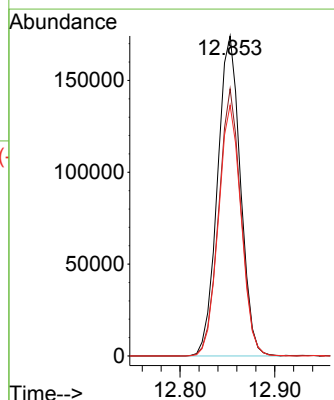
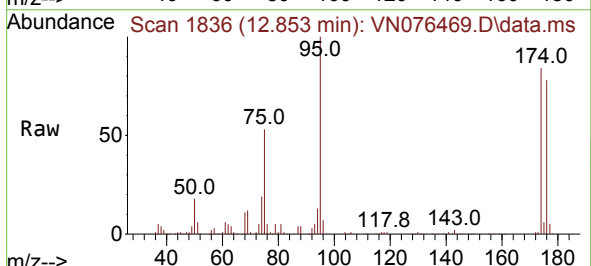
Instrument :
MSVOA_N
ClientSampleId :

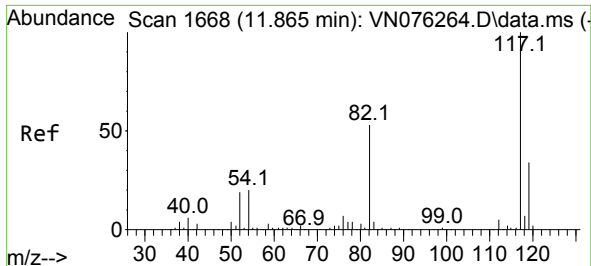
Tgt Ion: 43 Resp: 179565
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 49.043 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion: 95 Resp: 293292
Ion Ratio Lower Upper
95 100
174 81.2 0.0 174.6
176 77.5 0.0 167.8

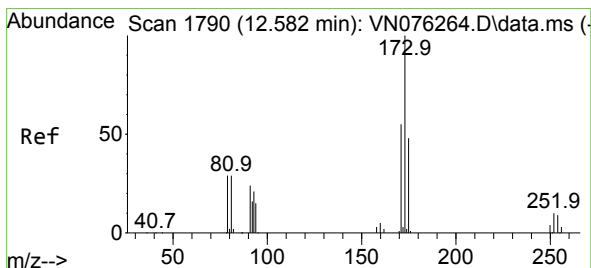
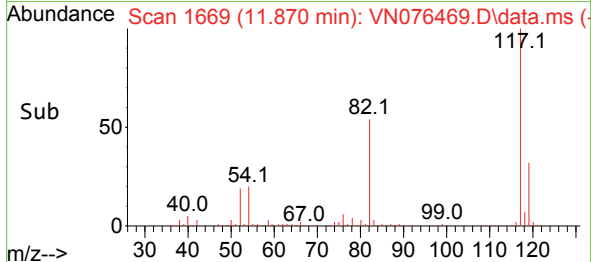
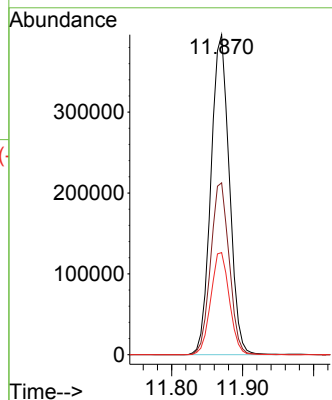
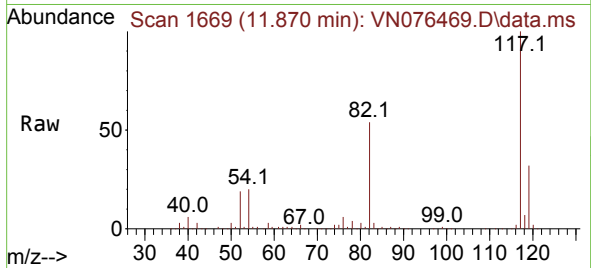




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

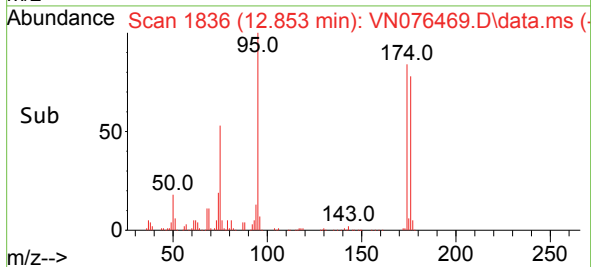
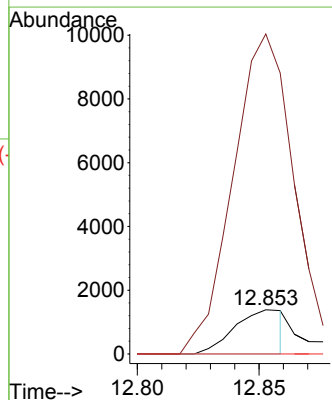
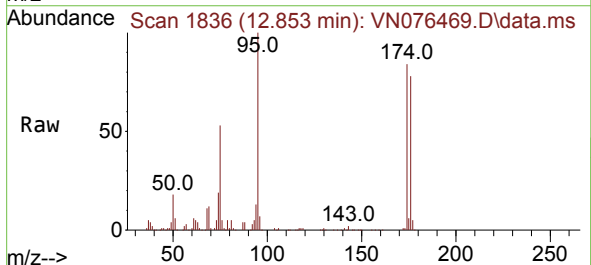
Instrument :
MSVOA_N
ClientSampleId :

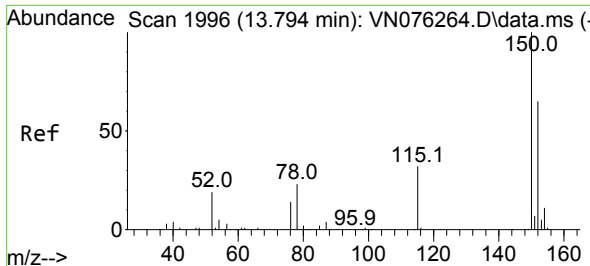
Tgt Ion:117 Resp: 711742
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.2
119 31.9 26.9 40.3



#71
Bromoform
Concen: 0.482 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion:173 Resp: 1950
Ion Ratio Lower Upper
173 100
175 724.3 24.1 72.4#
254 0.0 0.0 0.0

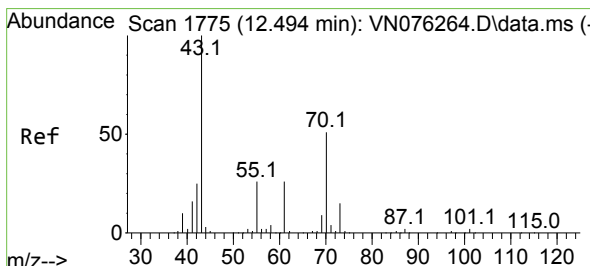
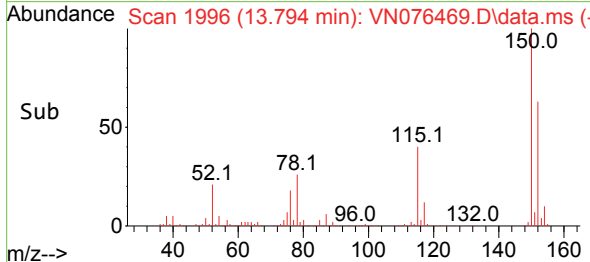
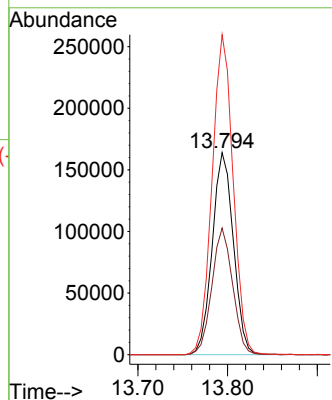
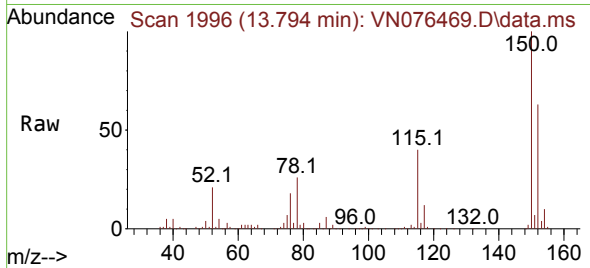




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076469.D
 Acq: 30 Jan 2023 20:06

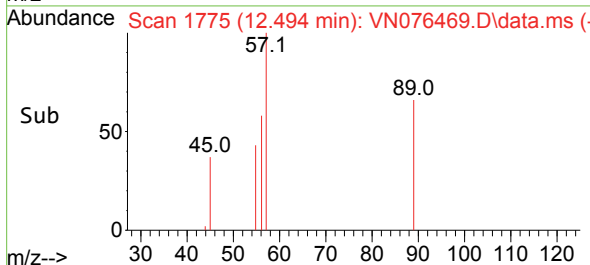
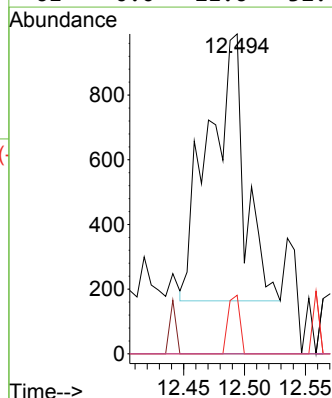
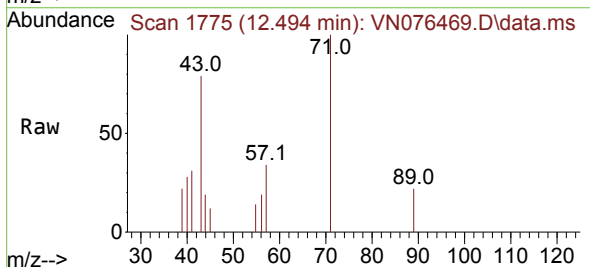
Instrument :
 MSVOA_N
 ClientSampleId :

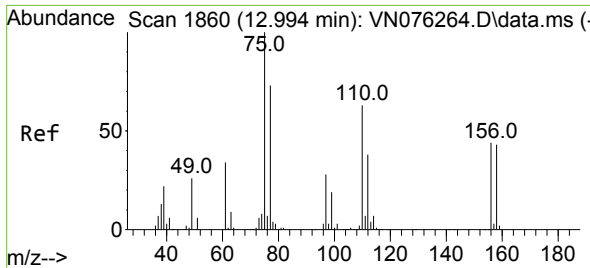
Tgt Ion:152 Resp: 268498
 Ion Ratio Lower Upper
 152 100
 115 61.4 29.6 88.9
 150 157.6 0.0 351.4



#74
 N-ethyl acetate
 Concen: 0.289 ug/l
 RT: 12.494 min Scan# 1775
 Delta R.T. -0.000 min
 Lab File: VN076469.D
 Acq: 30 Jan 2023 20:06

Tgt Ion: 43 Resp: 1725
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.2 61.8#
 55 7.1 21.0 31.6#
 61 0.0 21.6 32.4#

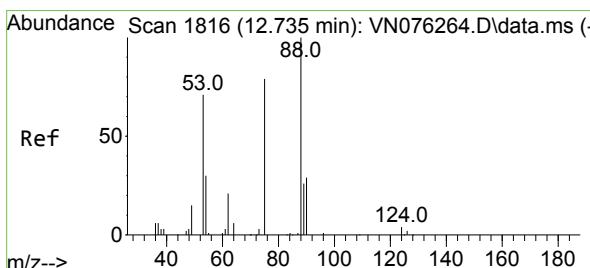
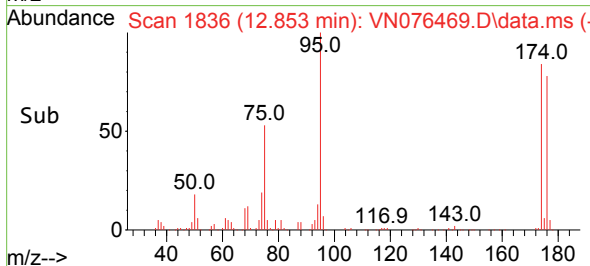
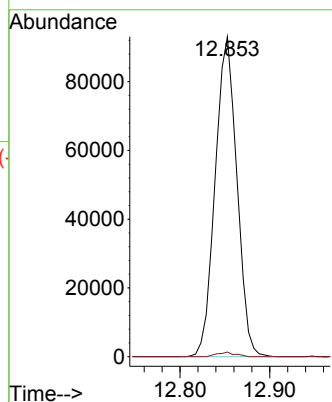
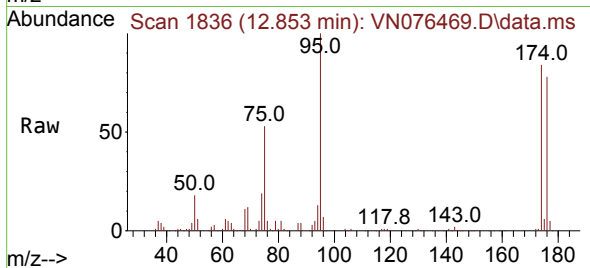




#76
1,2,3-Trichloropropane
Concen: 31.619 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

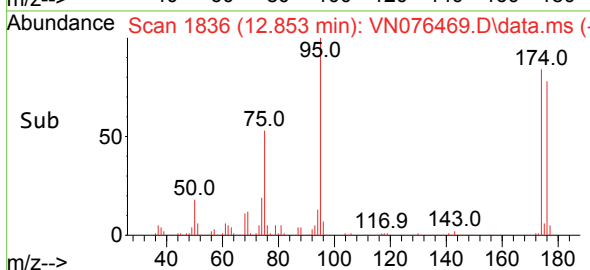
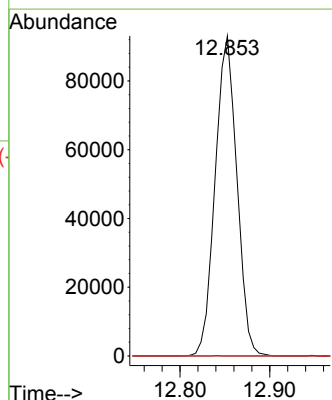
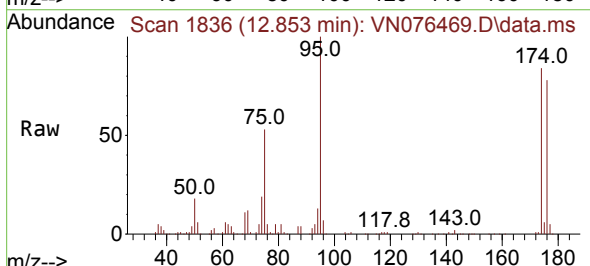
Instrument :
MSVOA_N
ClientSampleId :

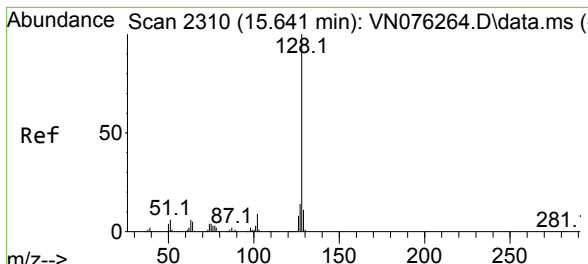
Tgt Ion: 75 Resp: 156364
Ion Ratio Lower Upper
75 100
77 1.2 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.896 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076469.D
Acq: 30 Jan 2023 20:06

Tgt Ion: 75 Resp: 156364
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#





#95
 Naphthalene
 Concen: 1.973 ug/l
 RT: 15.653 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN076469.D
 Acq: 30 Jan 2023 20:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:128 Resp: 1947

Ion	Ratio	Lower	Upper
128	100		
127	6.0	10.3	15.5#
129	8.1	8.6	13.0#

