

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042723\
 Data File : VN077486.D
 Acq On : 27 Apr 2023 10:13
 Operator : JC\MD
 Sample : VN0427WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBL01

Quant Time: Apr 28 03:21:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

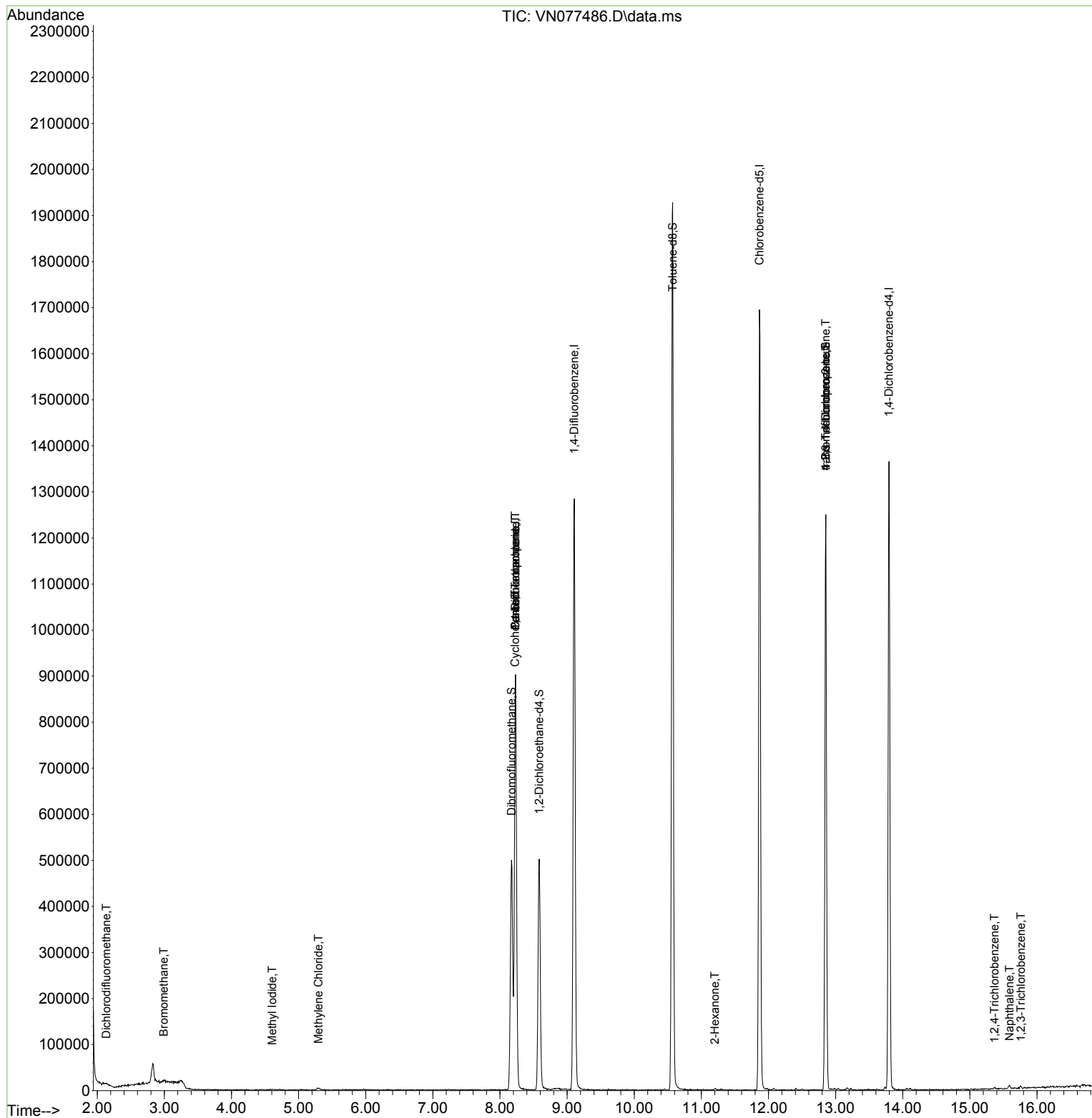
Internal Standards						
1) Pentafluorobenzene	8.230	168	638010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1190406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1046864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	371011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	418940	50.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 100.640%		
35) Dibromofluoromethane	8.172	113	368661	51.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 103.060%		
50) Toluene-d8	10.571	98	1419517	51.766	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 103.540%		
62) 4-Bromofluorobenzene	12.854	95	446096	49.723	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 99.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	92	0.321	ug/l #	43
5) Bromomethane	2.990	94	4349	0.589	ug/l #	71
10) Methyl Iodide	4.607	142	1921	0.215	ug/l #	85
20) Methylene Chloride	5.295	84	4005	0.477	ug/l #	68
31) Cyclohexane	8.225	56	16344	1.386	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	54373	5.260	ug/l #	49
38) Carbon Tetrachloride	8.230	117	74900	6.567	ug/l #	16
59) 2-Hexanone	11.201	43	2429	0.419	ug/l	92
76) 1,2,3-Trichloropropane	12.854	75	241029	27.937	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	241029	78.928	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.365	180	1008	1.171	ug/l	87
95) Naphthalene	15.589	128	6008	1.742	ug/l	97
96) 1,2,3-Trichlorobenzene	15.759	180	1661	1.146	ug/l	85

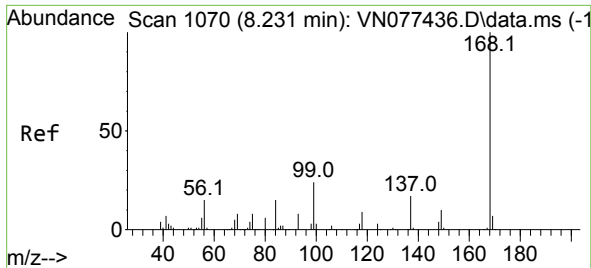
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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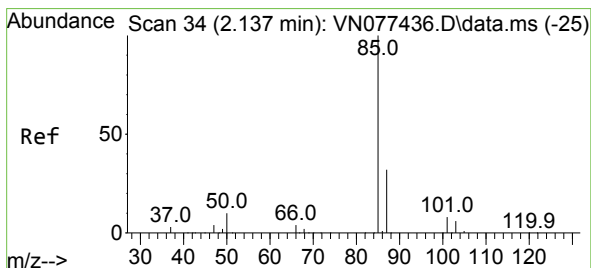
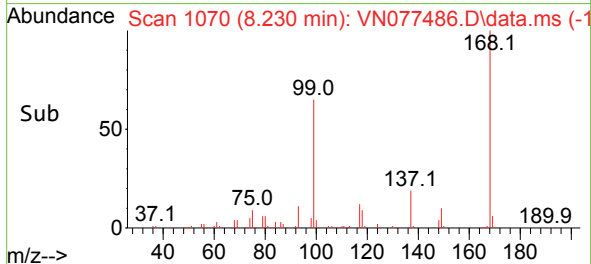
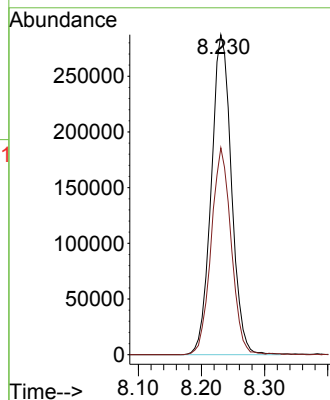
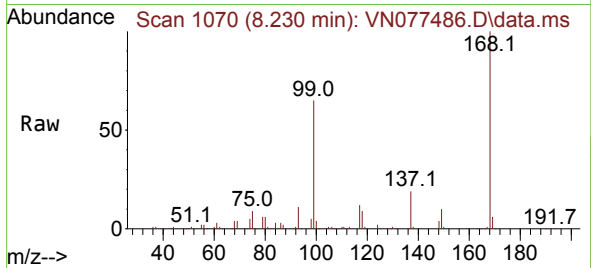




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

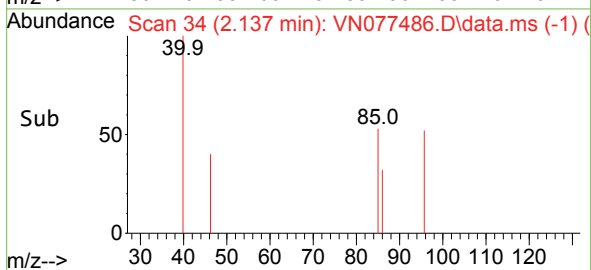
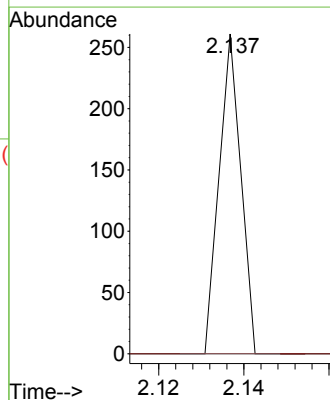
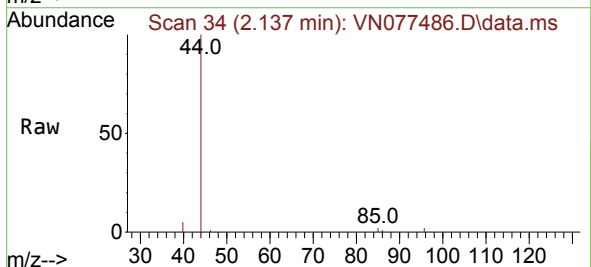
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBL01

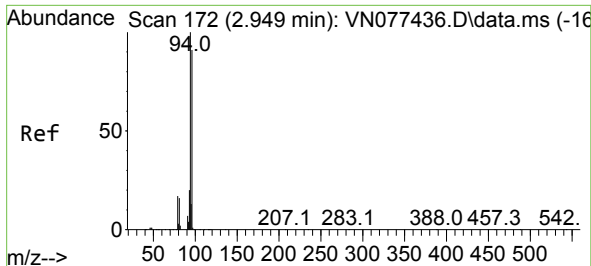
Tgt Ion:168 Resp: 638010
Ion Ratio Lower Upper
168 100
99 64.7 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.321 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

Tgt Ion: 85 Resp: 92
Ion Ratio Lower Upper
85 100
87 0.0 15.8 47.4#

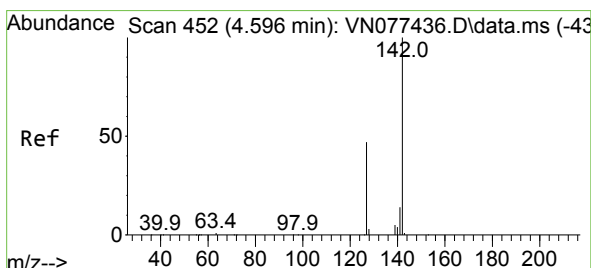
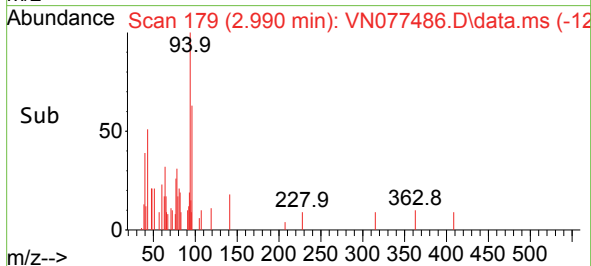
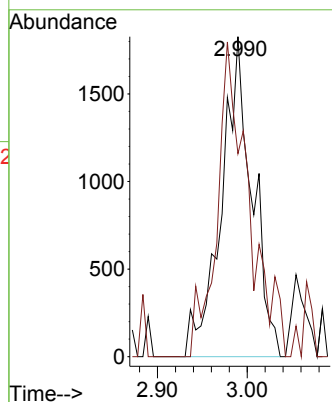
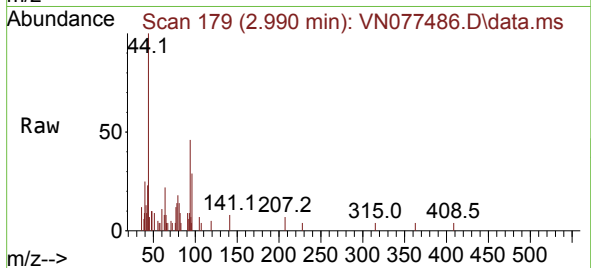




#5
Bromomethane
Concen: 0.589 ug/l
RT: 2.990 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

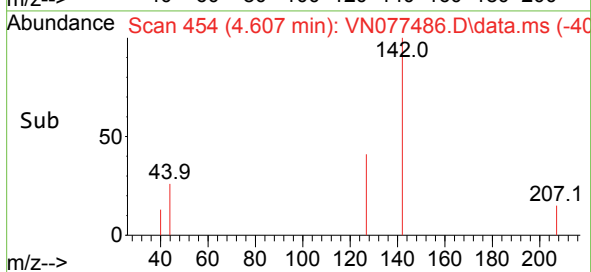
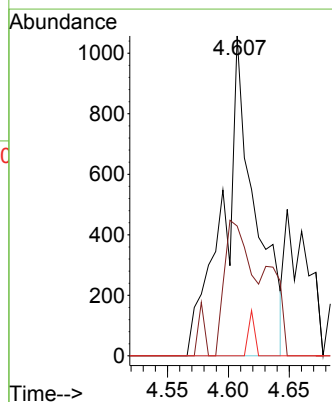
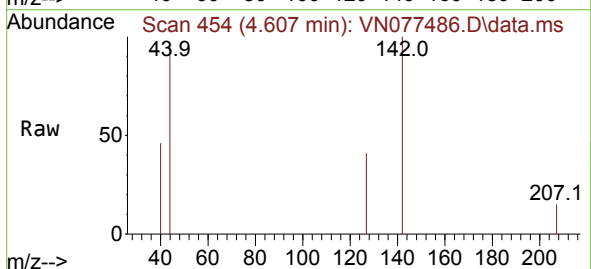
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBL01

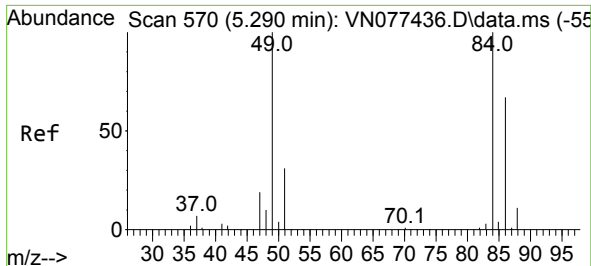
Tgt Ion: 94 Resp: 4349
Ion Ratio Lower Upper
94 100
96 63.4 73.1 109.7#



#10
Methyl Iodide
Concen: 0.215 ug/l
RT: 4.607 min Scan# 454
Delta R.T. 0.012 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

Tgt Ion: 142 Resp: 1921
Ion Ratio Lower Upper
142 100
127 40.6 37.6 56.4
141 0.0 11.4 17.0#

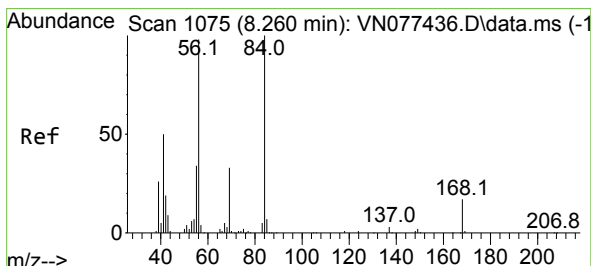
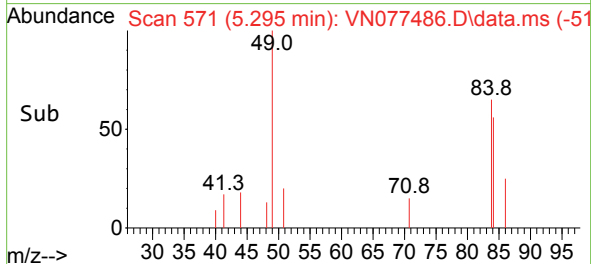
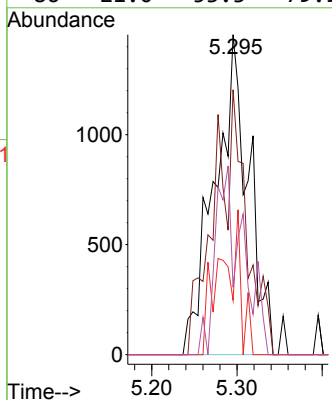
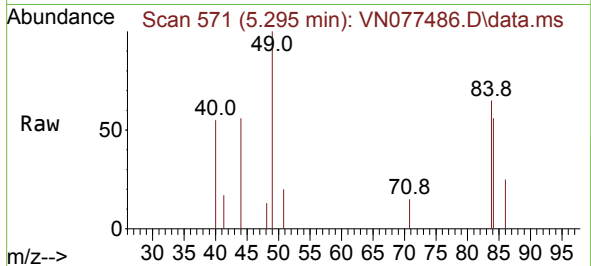




#20
Methylene Chloride
Concen: 0.477 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

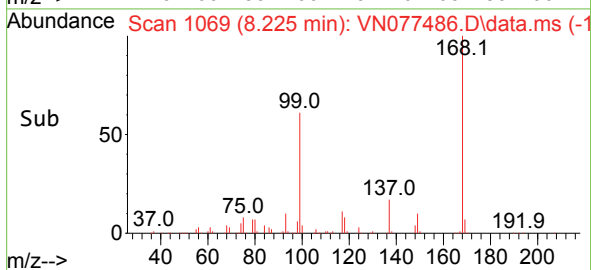
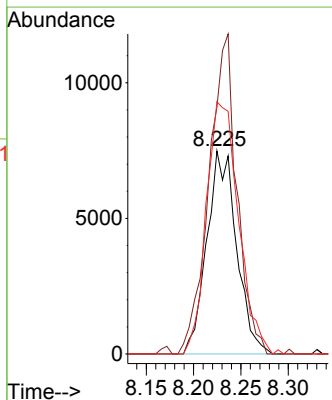
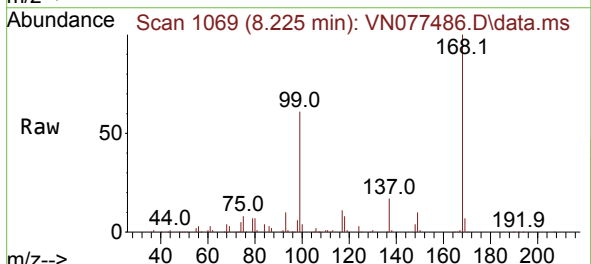
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBL01

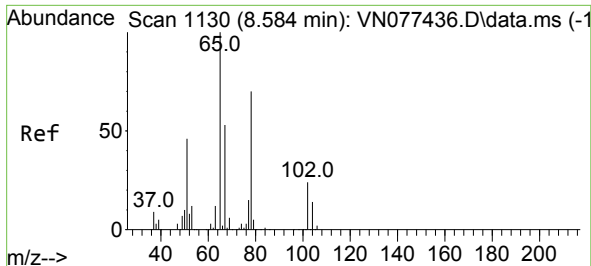
Tgt Ion:	84	Resp:	4005
Ion	Ratio	Lower	Upper
84	100		
49	82.8	79.7	119.5
51	17.0	25.2	37.8#
86	21.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.386 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

Tgt Ion:	56	Resp:	16344
Ion	Ratio	Lower	Upper
56	100		
69	121.5	26.8	40.2#
84	124.2	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 50.321 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077486.D

Acq: 27 Apr 2023 10:13

Instrument :

MSVOA_N

ClientSampleId :

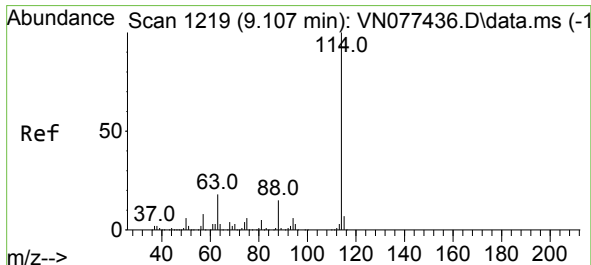
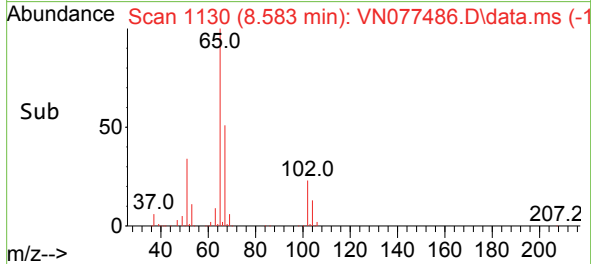
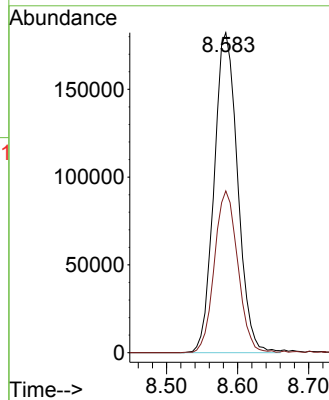
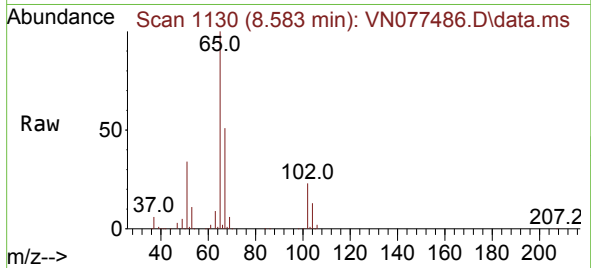
VN0427WBL01

Tgt Ion: 65 Resp: 418940

Ion Ratio Lower Upper

65 100

67 50.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077486.D

Acq: 27 Apr 2023 10:13

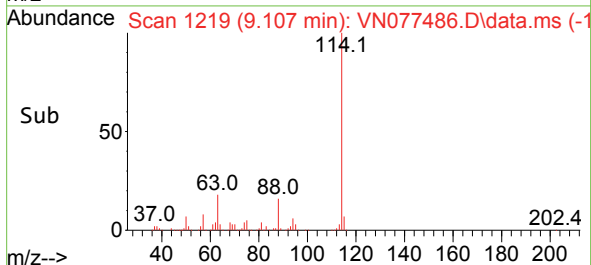
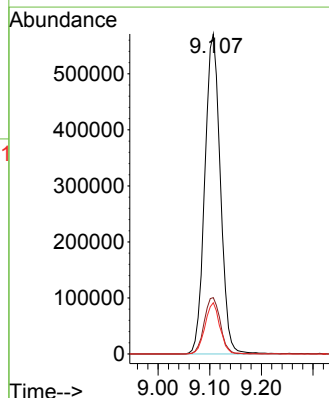
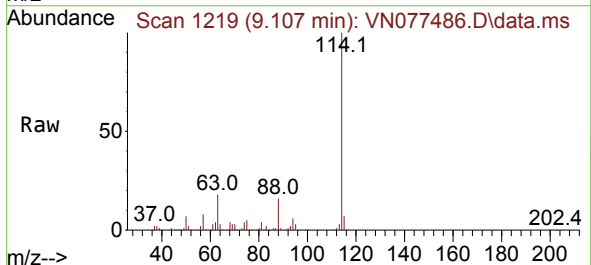
Tgt Ion: 114 Resp: 1190406

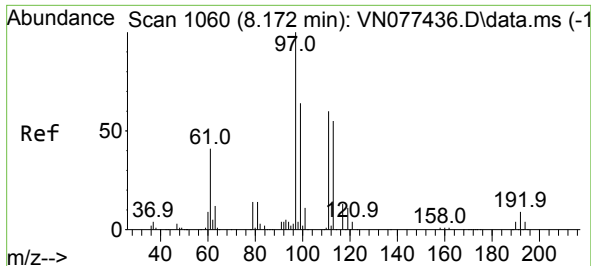
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.4

88 16.0 0.0 30.6

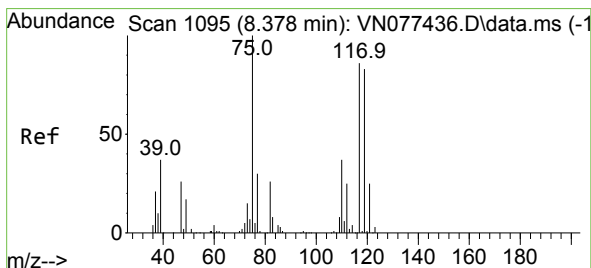
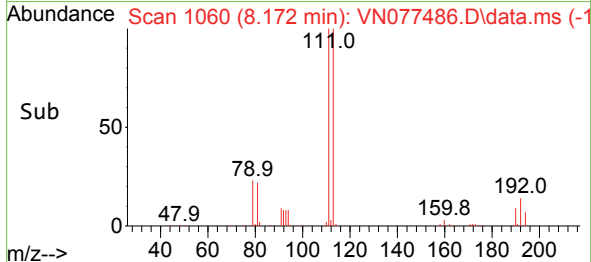
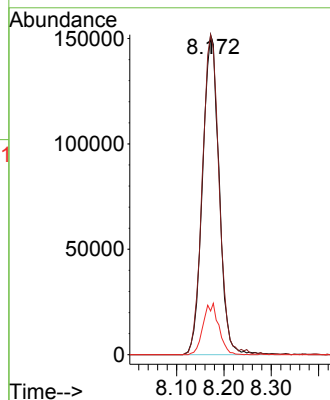
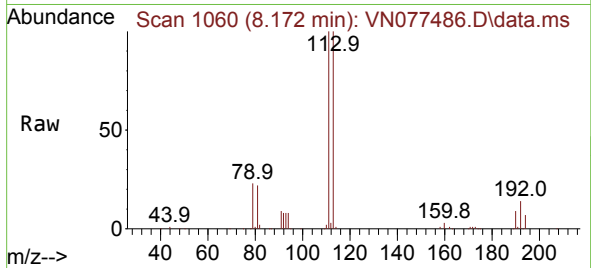




#35
Dibromofluoromethane
Concen: 51.526 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

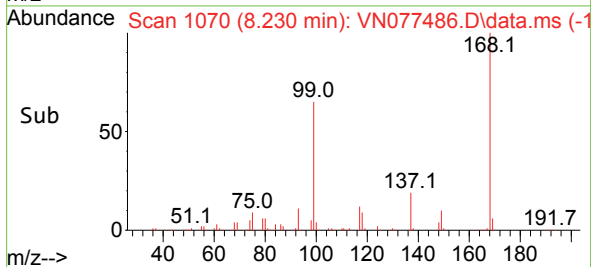
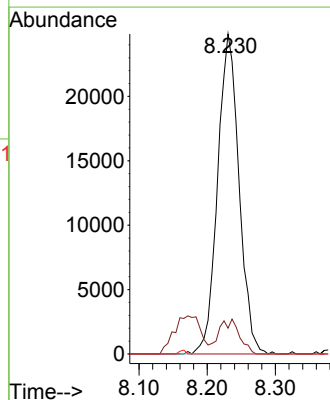
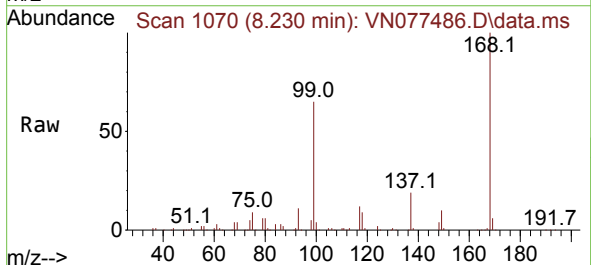
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBL01

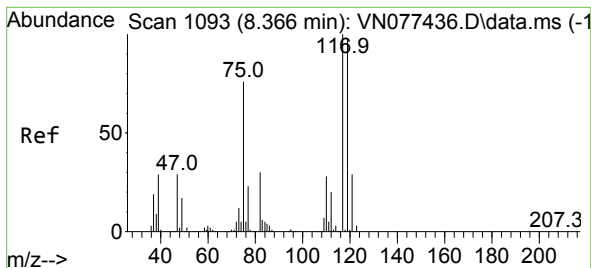
Tgt Ion:113 Resp: 368661
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 15.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.260 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

Tgt Ion: 75 Resp: 54373
Ion Ratio Lower Upper
75 100
110 10.5 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.567 ug/l

RT: 8.230 min Scan# 1093

Delta R.T. -0.135 min

Lab File: VN077486.D

Acq: 27 Apr 2023 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBL01

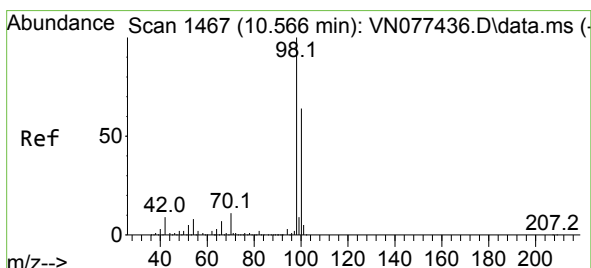
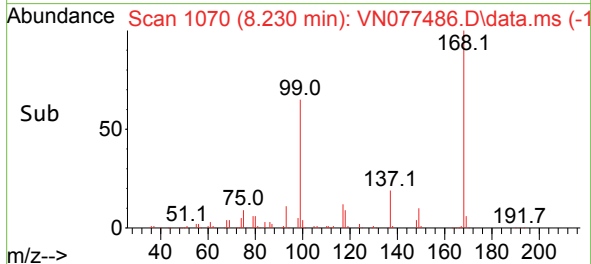
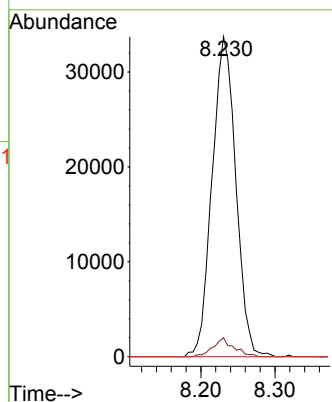
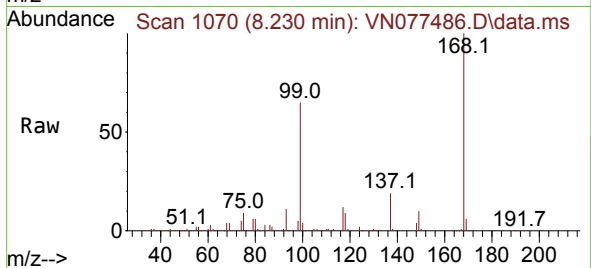
Tgt Ion:117 Resp: 74900

Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 51.766 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077486.D

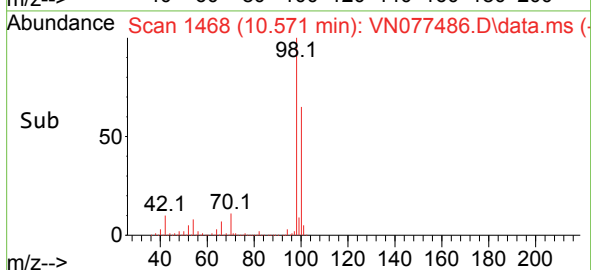
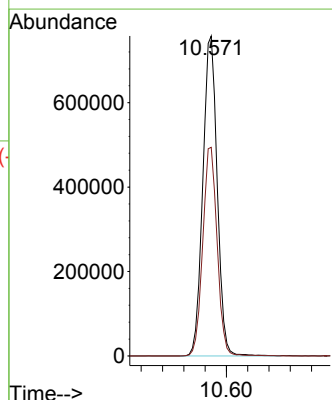
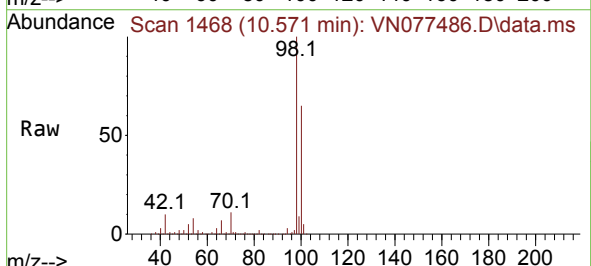
Acq: 27 Apr 2023 10:13

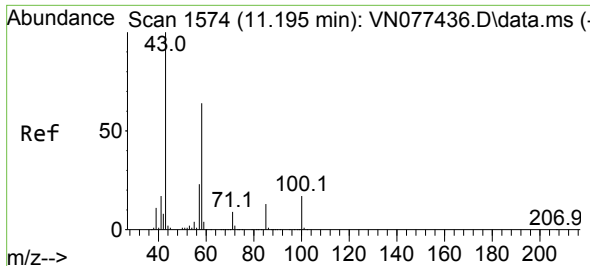
Tgt Ion: 98 Resp: 1419517

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0

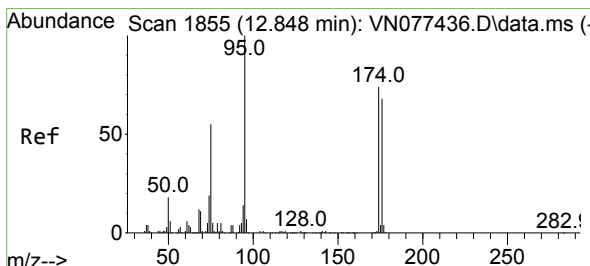
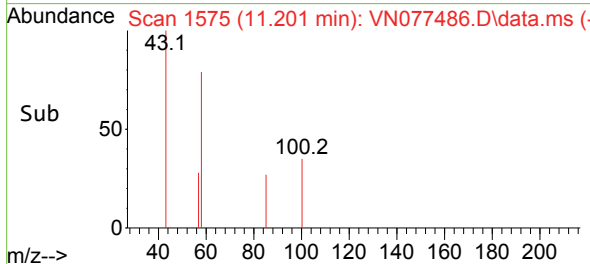
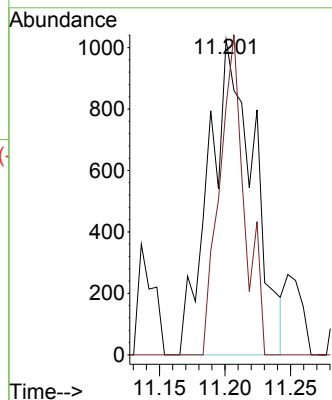
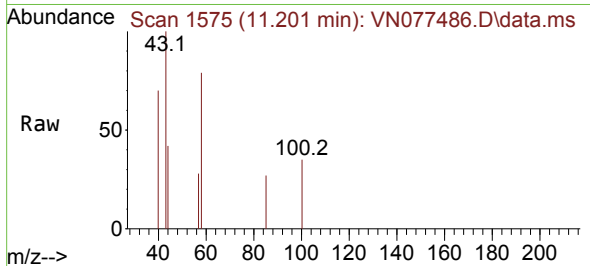




#59
2-Hexanone
Concen: 0.419 ug/l
RT: 11.201 min Scan# 1119
Delta R.T. 0.006 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

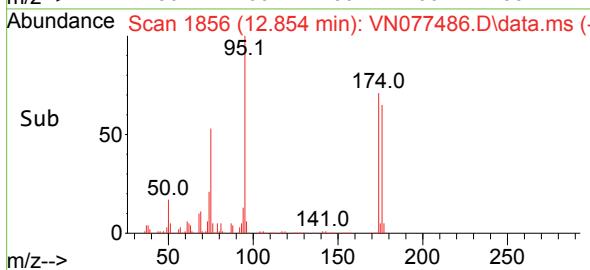
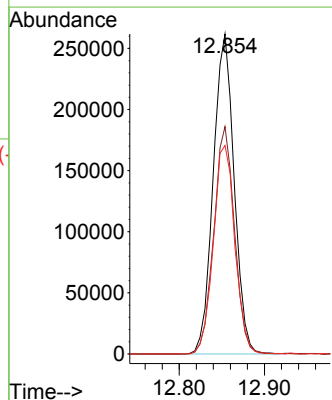
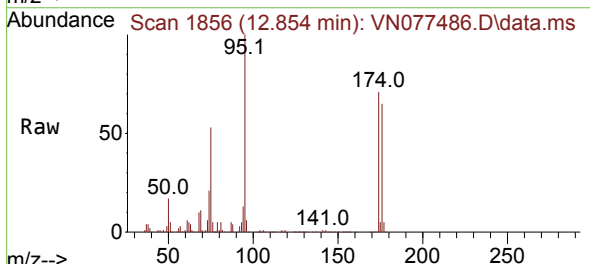
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBL01

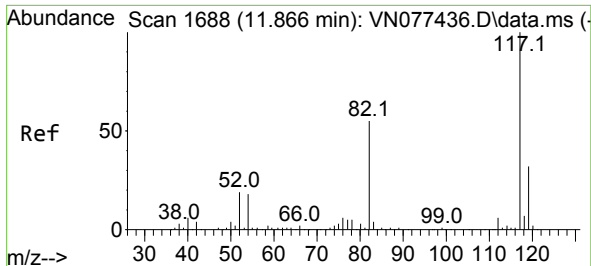
Tgt Ion: 43 Resp: 2429
Ion Ratio Lower Upper
43 100
58 57.0 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 49.723 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

Tgt Ion: 95 Resp: 446096
Ion Ratio Lower Upper
95 100
174 70.3 0.0 143.8
176 67.1 0.0 135.8

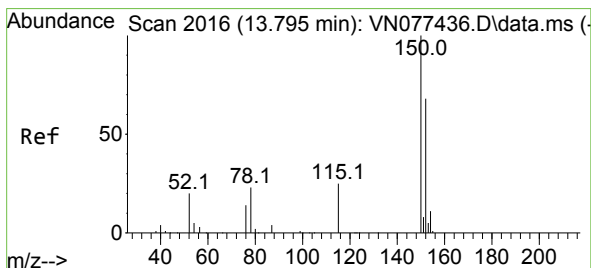
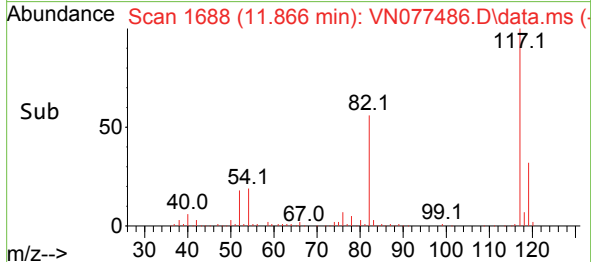
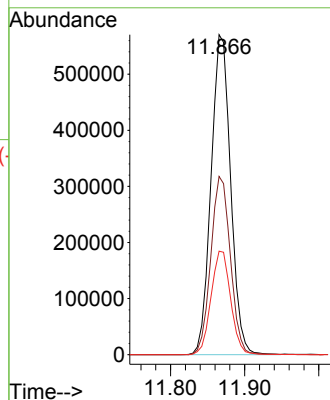
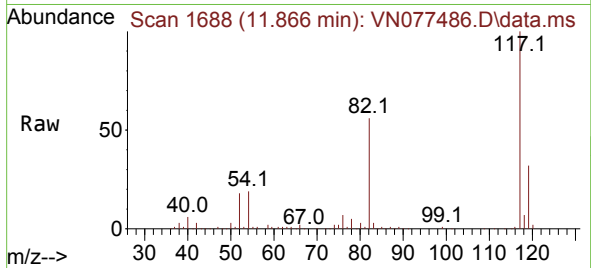




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

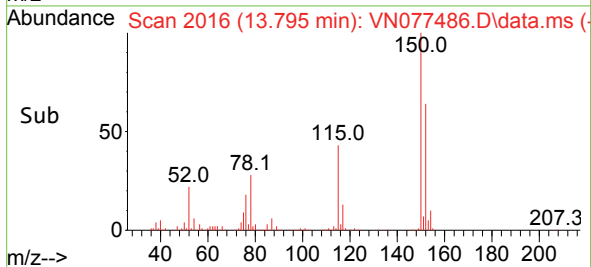
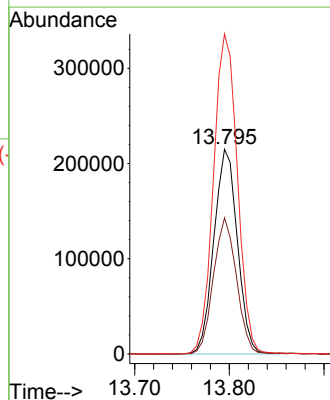
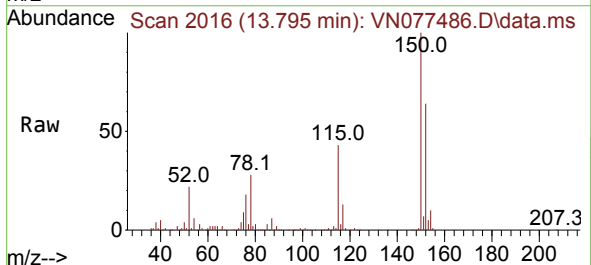
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBL01

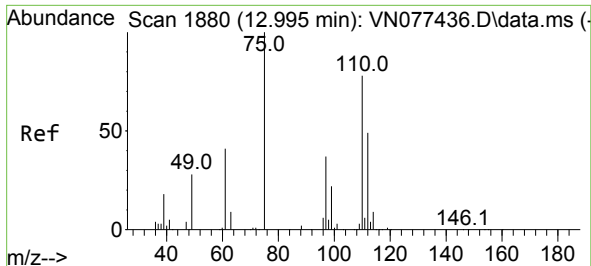
Tgt Ion:117 Resp: 1046864
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

Tgt Ion:152 Resp: 371011
Ion Ratio Lower Upper
152 100
115 65.2 32.3 96.8
150 159.3 0.0 355.8

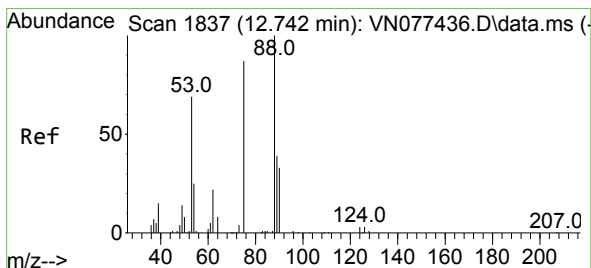
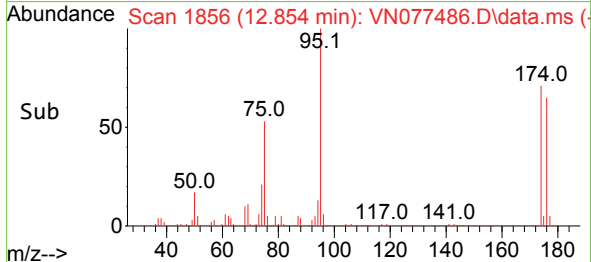
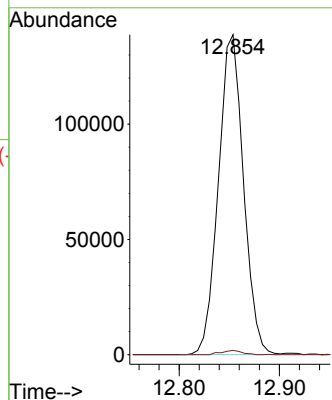
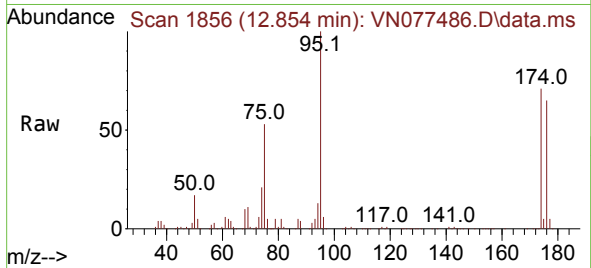




#76
1,2,3-Trichloropropane
Concen: 27.937 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

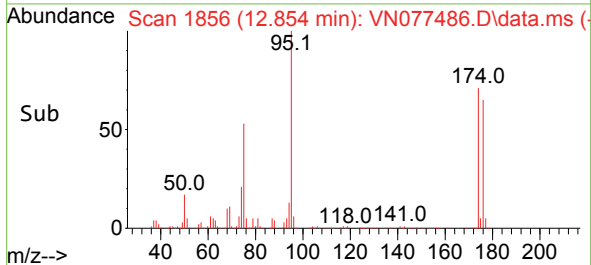
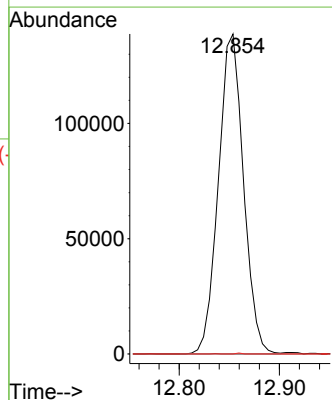
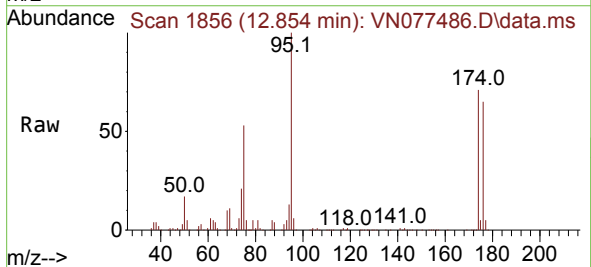
Instrument :
MSVOA_N
ClientSampleId :
VN0427WBL01

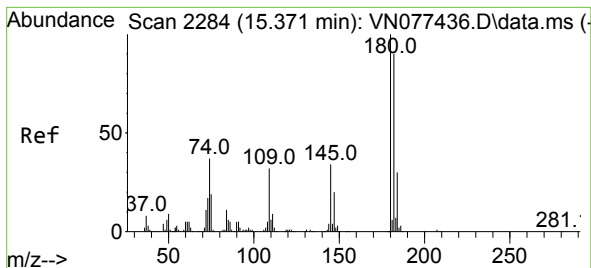
Tgt Ion: 75 Resp: 241029
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.928 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077486.D
Acq: 27 Apr 2023 10:13

Tgt Ion: 75 Resp: 241029
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.171 ug/l

RT: 15.365 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077486.D

Acq: 27 Apr 2023 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBL01

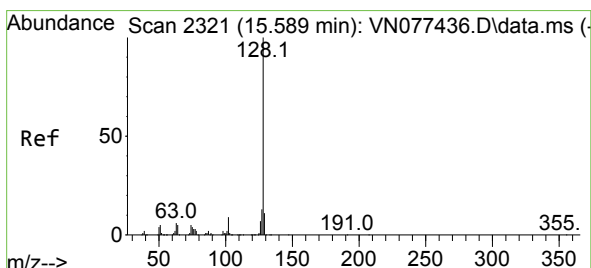
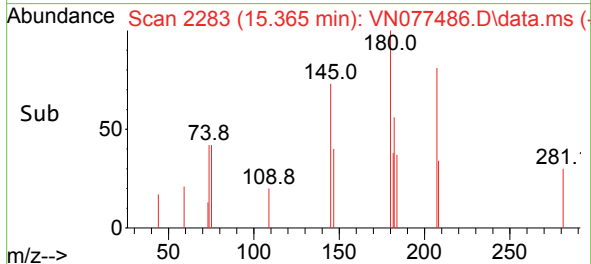
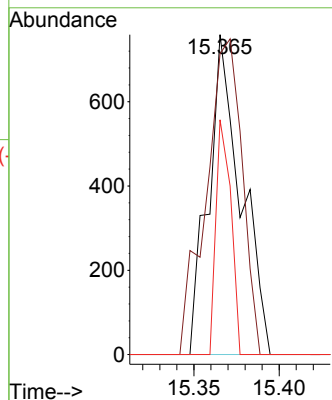
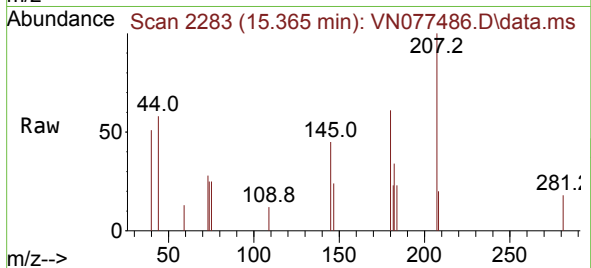
Tgt Ion:180 Resp: 1008

Ion Ratio Lower Upper

180 100

182 109.2 46.1 138.2

145 33.5 16.6 49.8



#95

Naphthalene

Concen: 1.742 ug/l

RT: 15.589 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VN077486.D

Acq: 27 Apr 2023 10:13

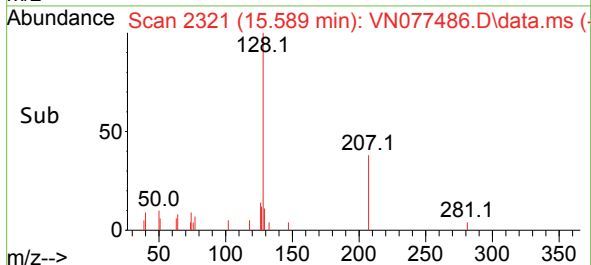
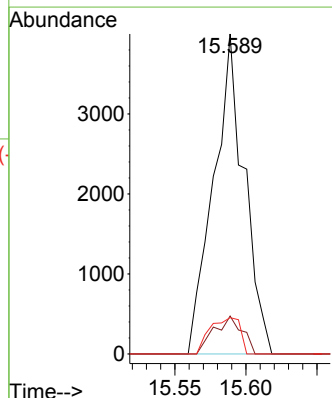
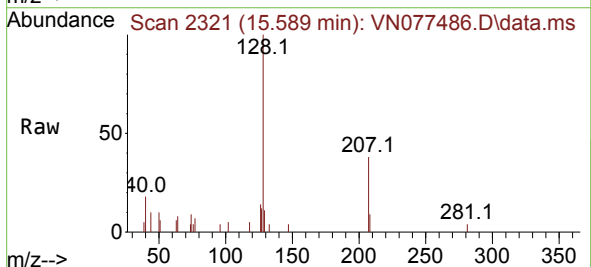
Tgt Ion:128 Resp: 6008

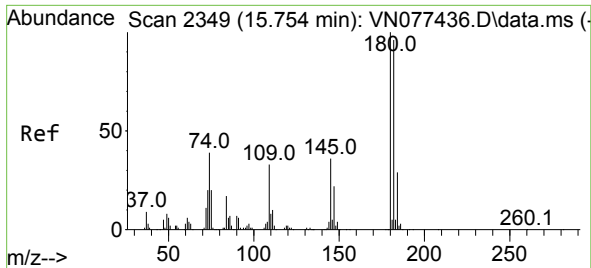
Ion Ratio Lower Upper

128 100

127 10.8 10.0 15.0

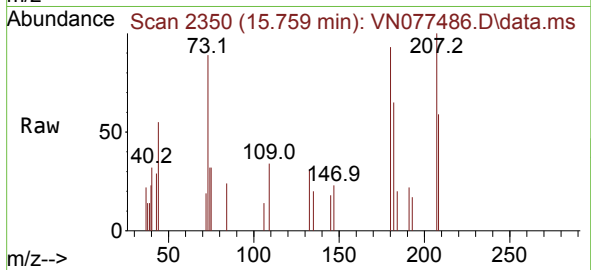
129 11.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.146 ug/l
 RT: 15.759 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VN077486.D
 Acq: 27 Apr 2023 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBL01



Tgt Ion:	180	Resp:	1661
Ion	Ratio	Lower	Upper
180	100		
182	103.3	46.2	138.6
145	21.1	17.5	52.6

