

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092023\
 Data File : VN079307.D
 Acq On : 20 Sep 2023 10:34
 Operator : JC\MD
 Sample : VN0920MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 21 01:54:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

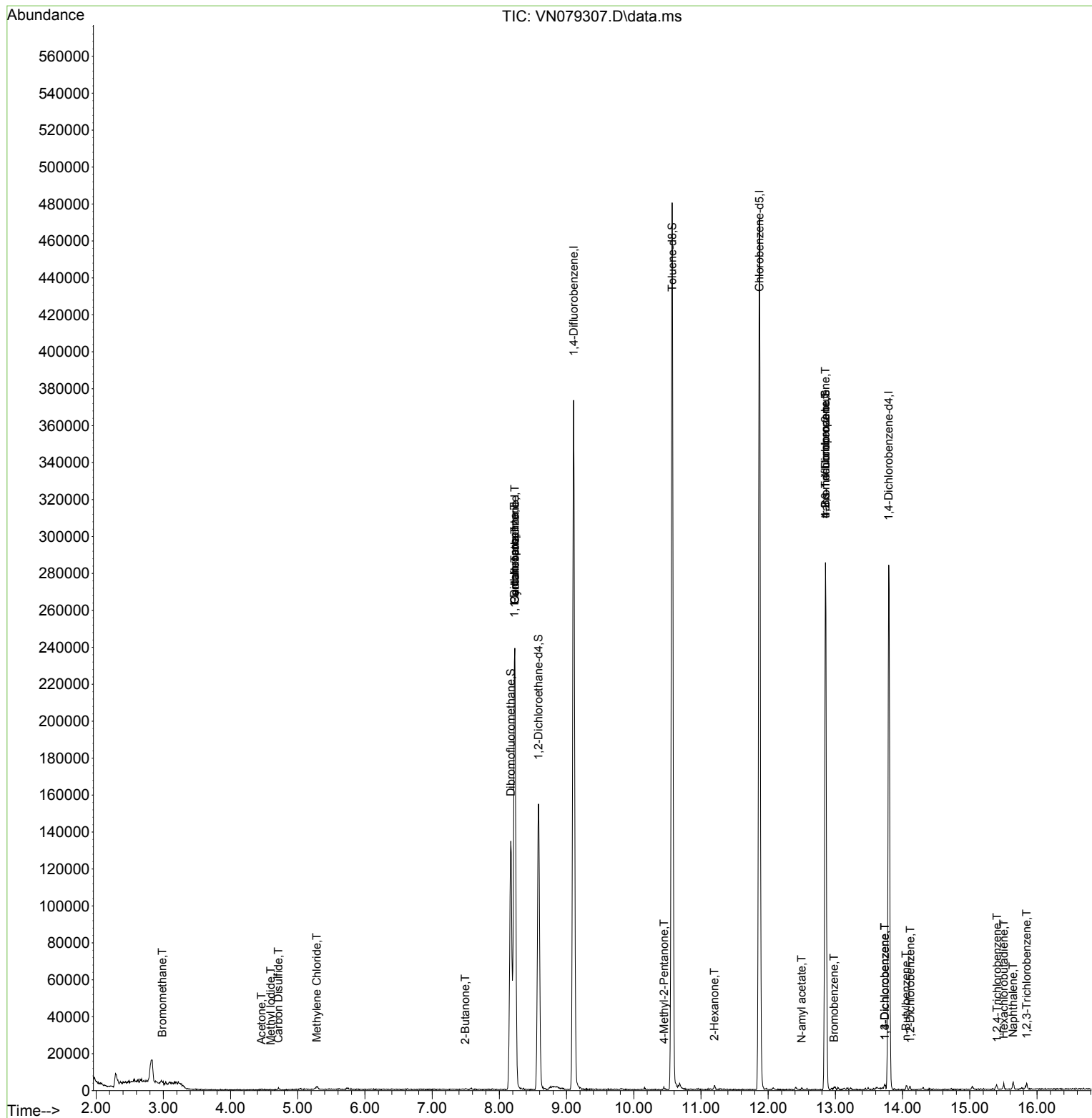
Internal Standards						
1) Pentafluorobenzene	8.229	168	168894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	310804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	266239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126232	55.367	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.740%			
35) Dibromofluoromethane	8.171	113	95415	46.152	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.300%			
50) Toluene-d8	10.570	98	322439	42.475	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 84.960%#			
62) 4-Bromofluorobenzene	12.853	95	93535	38.628	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 77.260%#			
Target Compounds					Qvalue	
5) Bromomethane	2.983	94	733	0.533	ug/l #	46
6) Chloroethane	3.083	64	256	Below Cal	#	43
10) Methyl Iodide	4.600	142	406	0.267	ug/l #	38
16) Acetone	4.459	43	491	0.507	ug/l #	40
17) Carbon Disulfide	4.712	76	1733	0.308	ug/l #	75
20) Methylene Chloride	5.283	84	1275	0.541	ug/l #	72
25) 2-Butanone	7.494	43	557	0.396	ug/l #	37
31) Cyclohexane	8.229	56	4755	1.428	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	14593	4.579	ug/l #	46
38) Carbon Tetrachloride	8.229	117	18320	5.555	ug/l #	17
51) 4-Methyl-2-Pentanone	10.453	43	1079	0.358	ug/l #	69
58) 2-Chloroethyl Vinyl ether	10.165	63	385	Below Cal	#	42
59) 2-Hexanone	11.200	43	1642	0.753	ug/l	75
74) N-amyl acetate	12.500	43	530	0.209	ug/l #	53
76) 1,2,3-Trichloropropane	12.853	75	52613	26.570	ug/l #	1
77) Bromobenzene	12.982	156	398	0.235	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.853	75	52613	73.046	ug/l #	15
87) 1,3-Dichlorobenzene	13.735	146	787	0.283	ug/l	84
88) 1,4-Dichlorobenzene	13.735	146	787	0.281	ug/l	86
89) n-Butylbenzene	14.053	91	1844	0.463	ug/l	83
91) 1,2-Dichlorobenzene	14.117	146	728	0.266	ug/l	83
93) 1,2,4-Trichlorobenzene	15.405	180	1164	1.182	ug/l #	84
94) Hexachlorobutadiene	15.505	225	725	0.936	ug/l	82
95) Naphthalene	15.647	128	3936	1.346	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.847	180	1402	1.207	ug/l	88

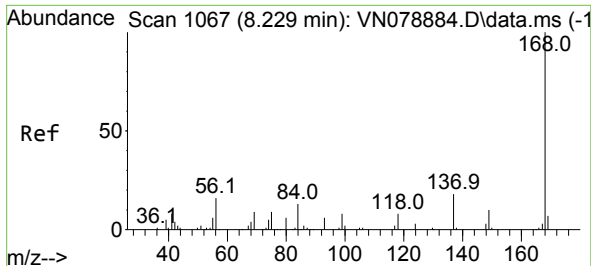
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092023\
Data File : VN079307.D
Acq On : 20 Sep 2023 10:34
Operator : JC\MD
Sample : VN0920MBL01
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

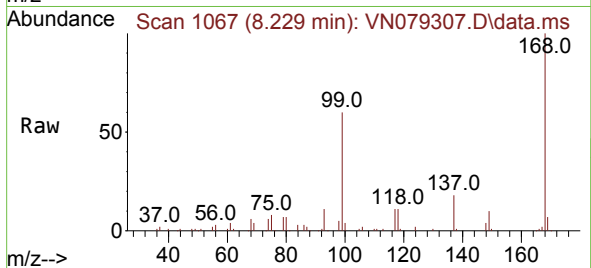
Quant Time: Sep 21 01:54:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration



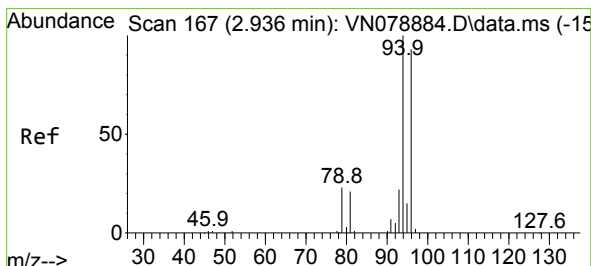
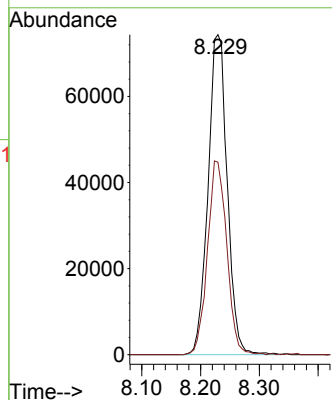
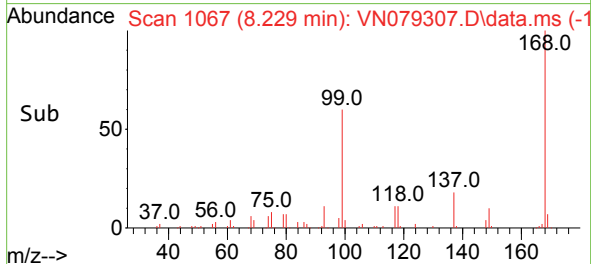


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

Instrument :
MSVOA_N
ClientSampleId :

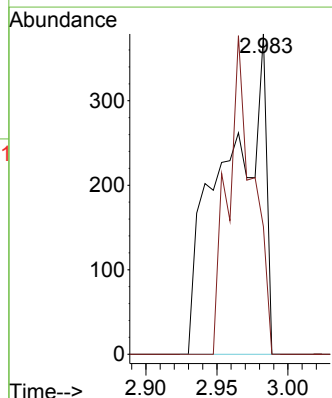
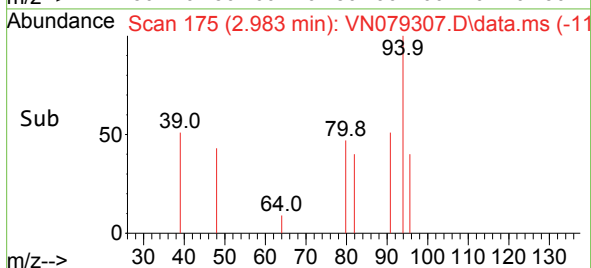
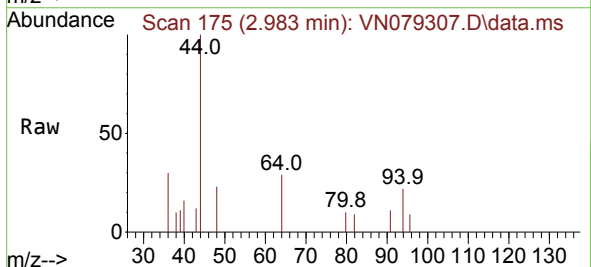


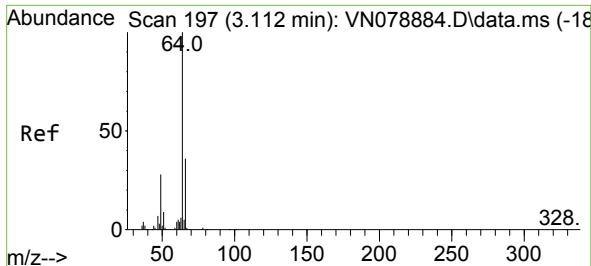
Tgt Ion:168 Resp: 168894
Ion Ratio Lower Upper
168 100
99 60.2 53.0 79.6



#5
Bromomethane
Concen: 0.533 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.035 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

Tgt Ion: 94 Resp: 733
Ion Ratio Lower Upper
94 100
96 39.8 73.1 109.7#

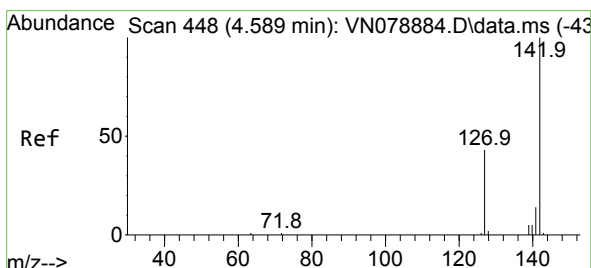
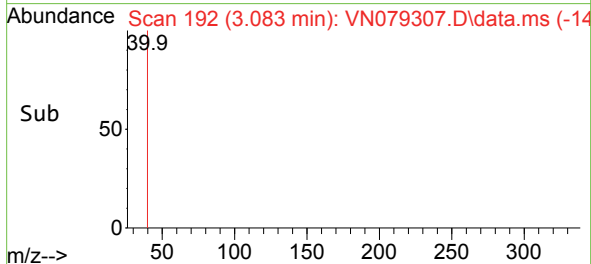
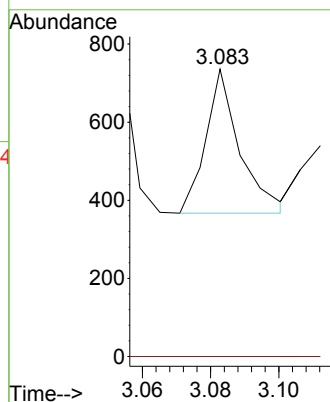
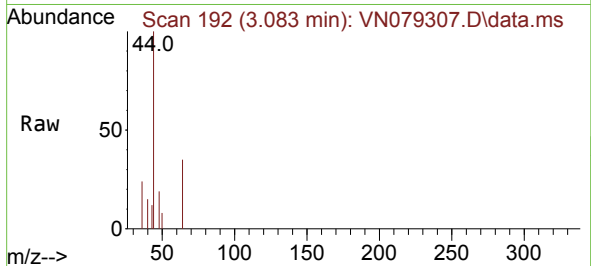




#6
Chloroethane
Concen: Below Cal
RT: 3.083 min Scan# 197
Delta R.T. -0.035 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

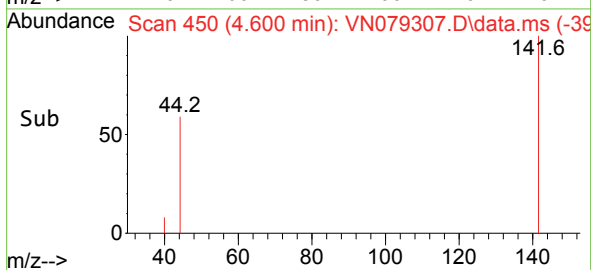
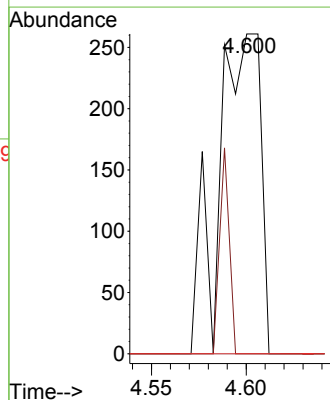
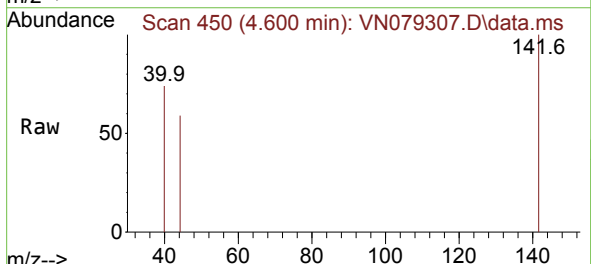
Instrument :
MSVOA_N
ClientSampleId :

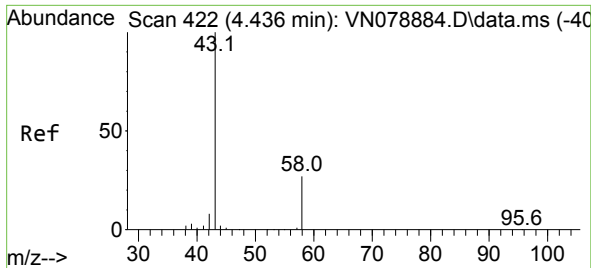
Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.267 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.000 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

Tgt Ion: 142 Resp: 406
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#





#16

Acetone

Concen: 0.507 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN079307.D

Acq: 20 Sep 2023 10:34

Instrument :

MSVOA_N

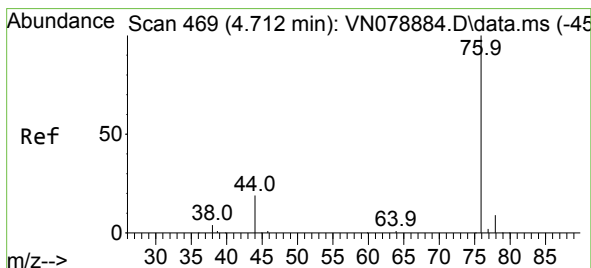
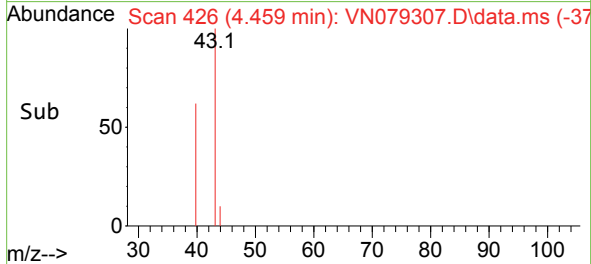
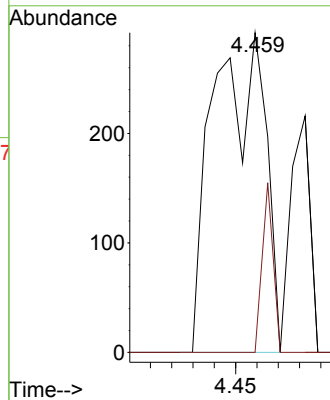
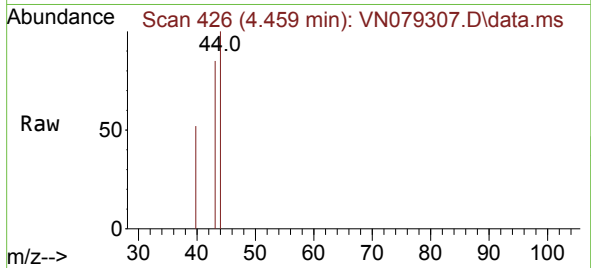
ClientSampleId :

Tgt Ion: 43 Resp: 491

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.308 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.012 min

Lab File: VN079307.D

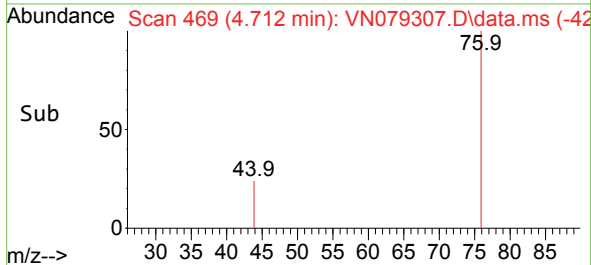
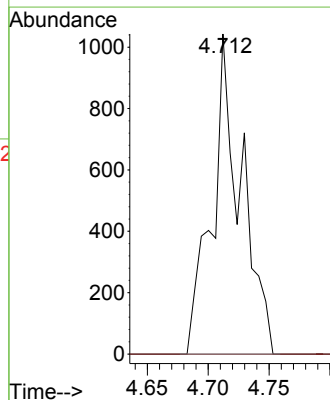
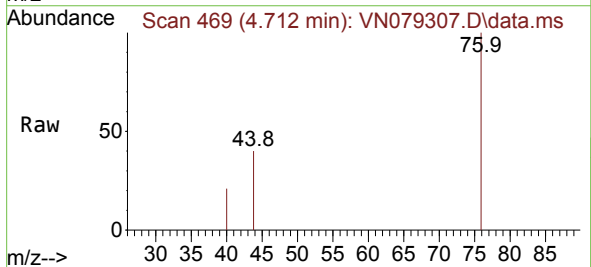
Acq: 20 Sep 2023 10:34

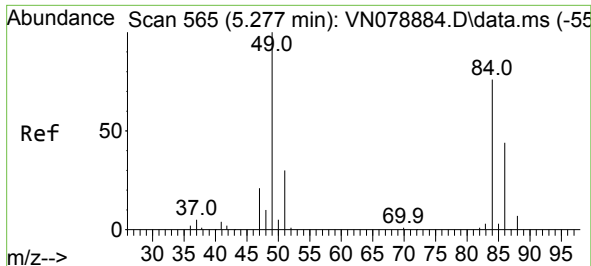
Tgt Ion: 76 Resp: 1733

Ion Ratio Lower Upper

76 100

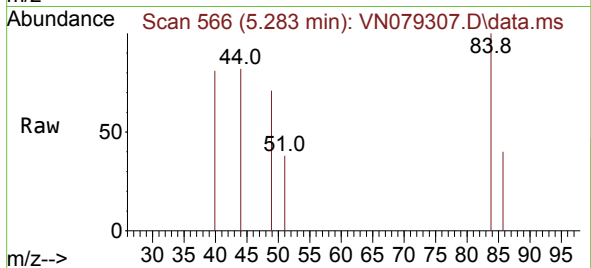
78 0.0 7.4 11.0#





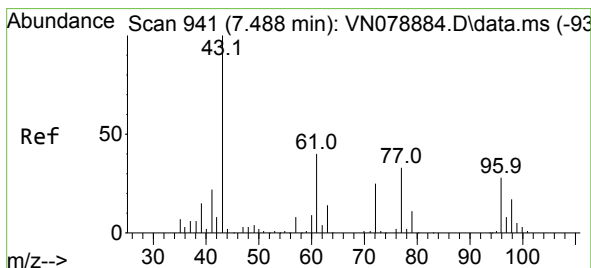
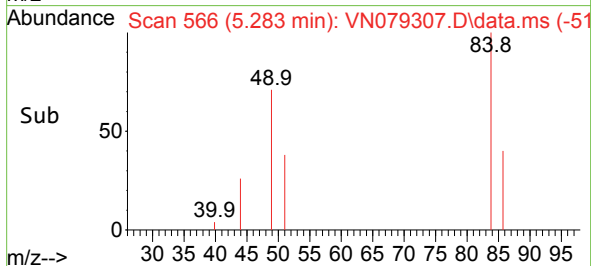
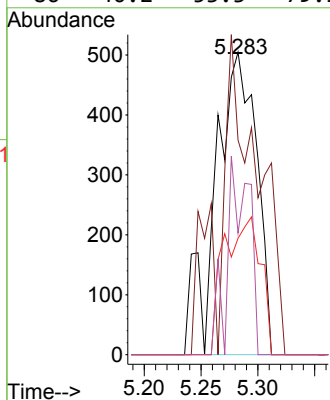
#20
Methylene Chloride
Concen: 0.541 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1275

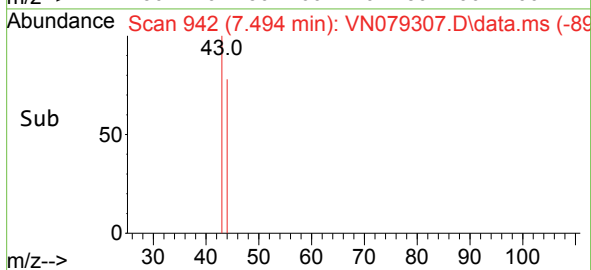
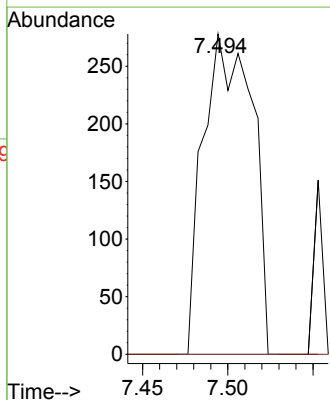
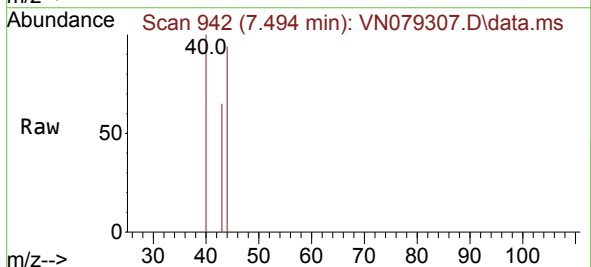
Ion	Ratio	Lower	Upper
84	100		
49	70.9	79.7	119.5#
51	38.4	25.2	37.8#
86	40.2	53.3	79.9#

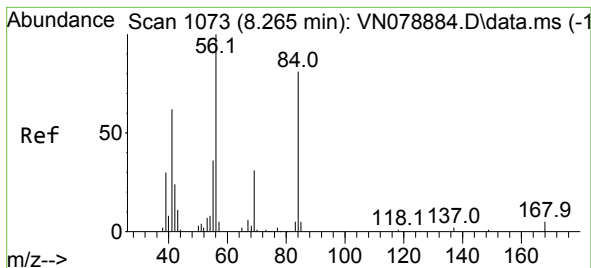


#25
2-Butanone
Concen: 0.396 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

Tgt Ion: 43 Resp: 557

Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#





#31

Cyclohexane

Concen: 1.428 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.036 min

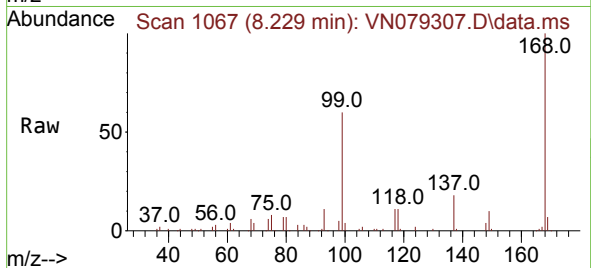
Lab File: VN079307.D

Acq: 20 Sep 2023 10:34

Instrument :

MSVOA_N

ClientSampleId :



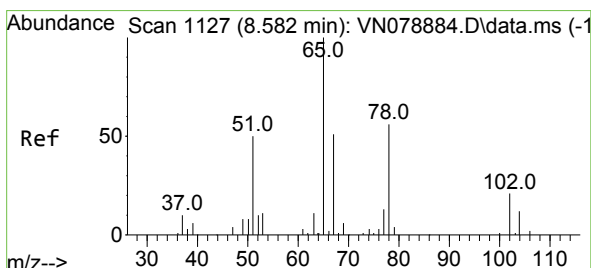
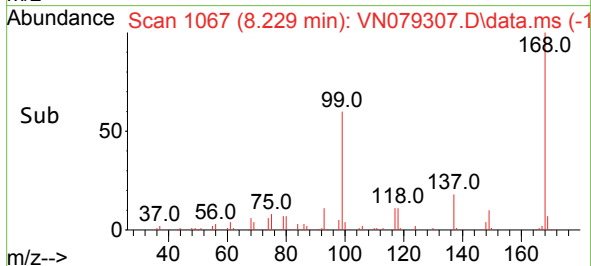
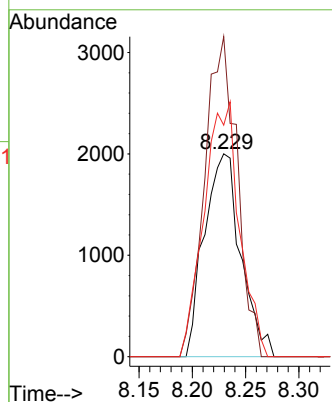
Tgt Ion: 56 Resp: 4755

Ion Ratio Lower Upper

56 100

69 157.7 26.8 40.2#

84 114.1 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 55.367 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079307.D

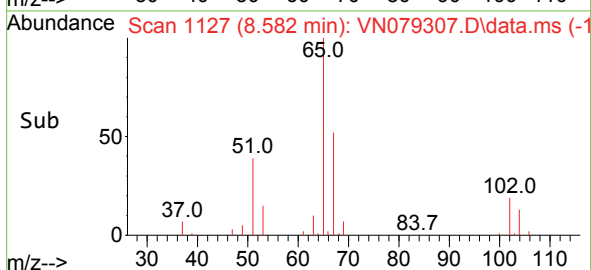
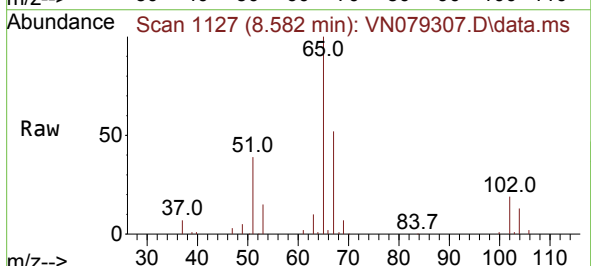
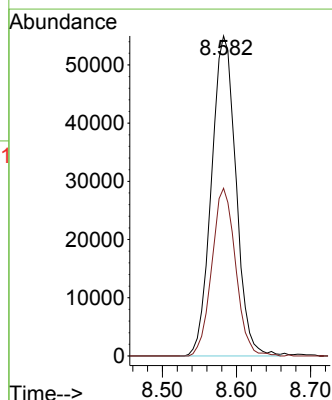
Acq: 20 Sep 2023 10:34

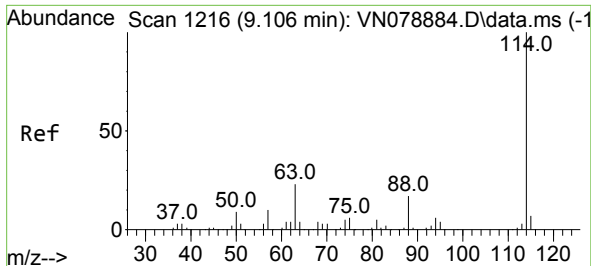
Tgt Ion: 65 Resp: 126232

Ion Ratio Lower Upper

65 100

67 50.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079307.D

Acq: 20 Sep 2023 10:34

Instrument :

MSVOA_N

ClientSampleId :

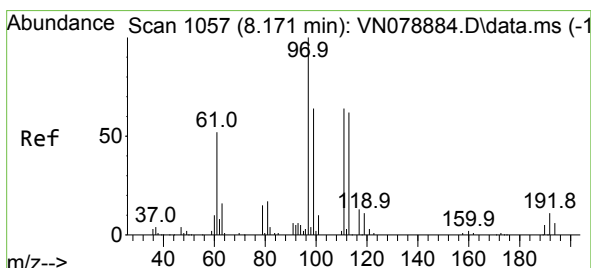
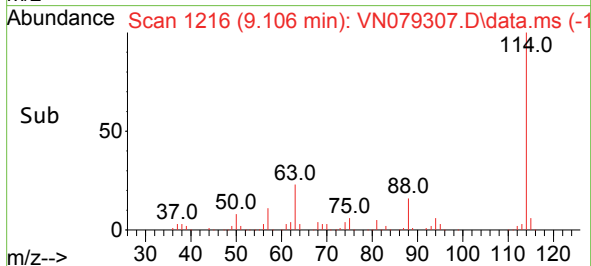
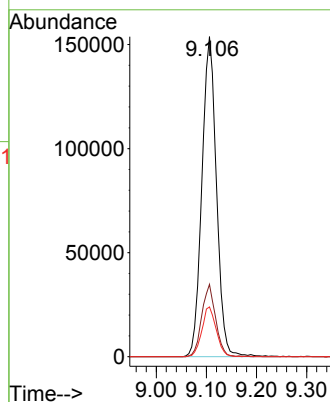
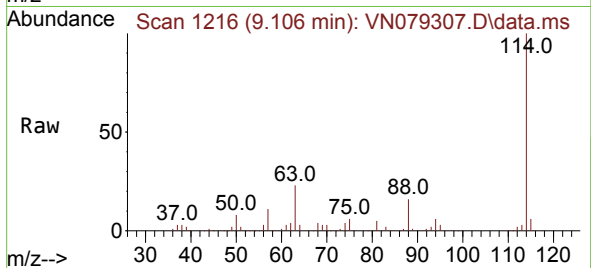
Tgt Ion:114 Resp: 310804

Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.152 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079307.D

Acq: 20 Sep 2023 10:34

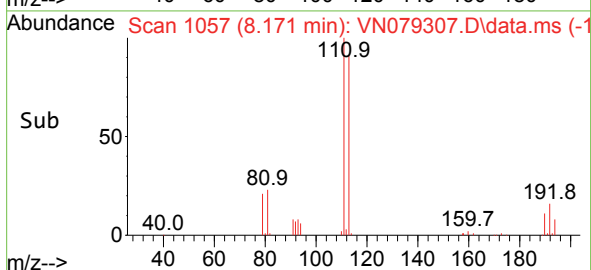
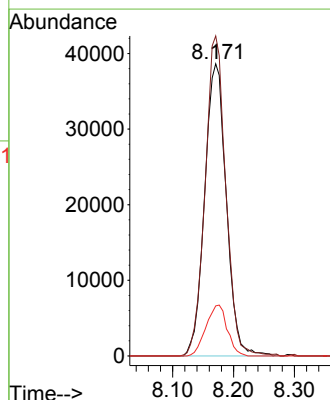
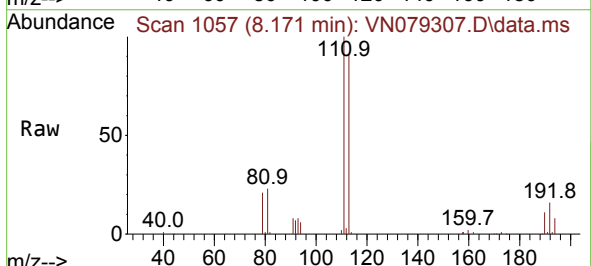
Tgt Ion:113 Resp: 95415

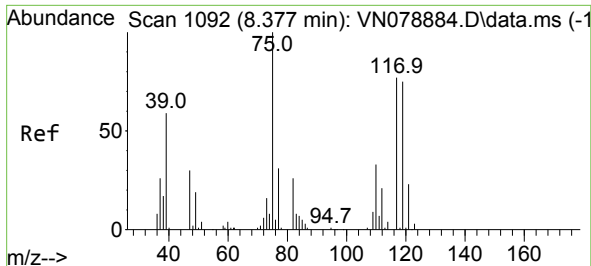
Ion Ratio Lower Upper

113 100

111 104.7 82.6 123.8

192 17.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

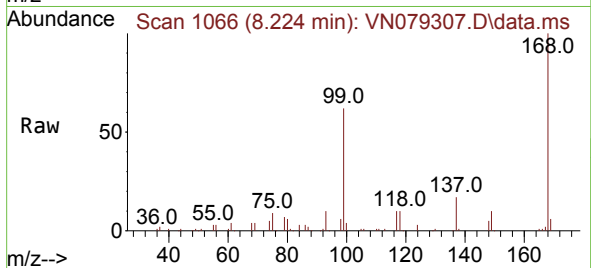
Lab File: VN079307.D

Acq: 20 Sep 2023 10:34

Instrument :

MSVOA_N

ClientSampleId :



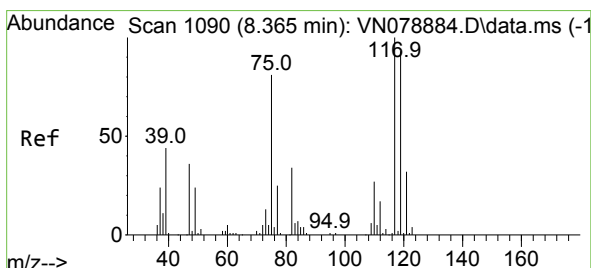
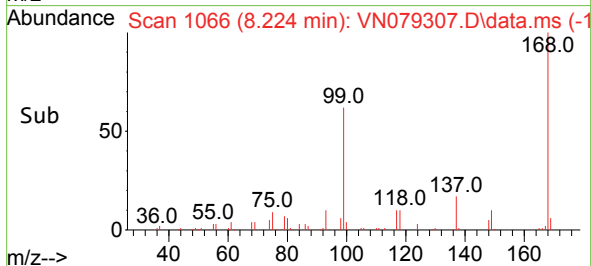
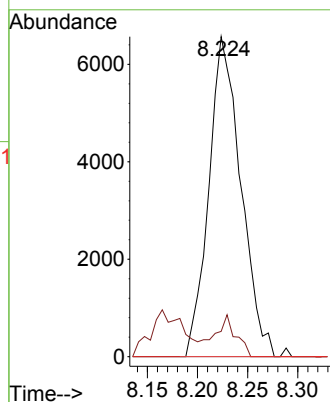
Tgt Ion: 75 Resp: 14593

Ion Ratio Lower Upper

75 100

110 7.1 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.555 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

Lab File: VN079307.D

Acq: 20 Sep 2023 10:34

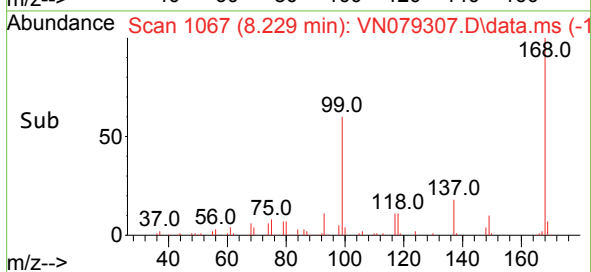
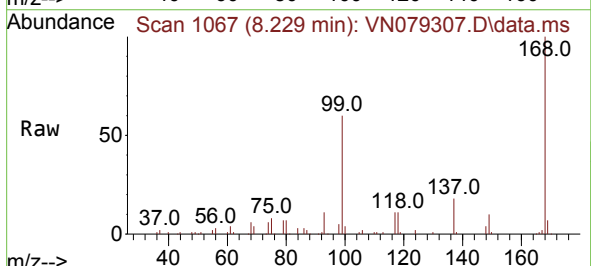
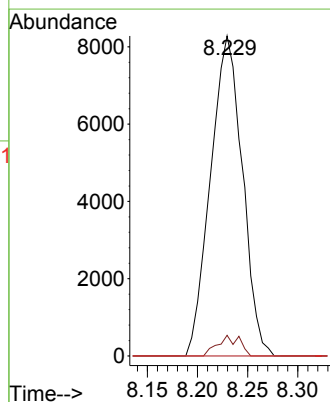
Tgt Ion: 117 Resp: 18320

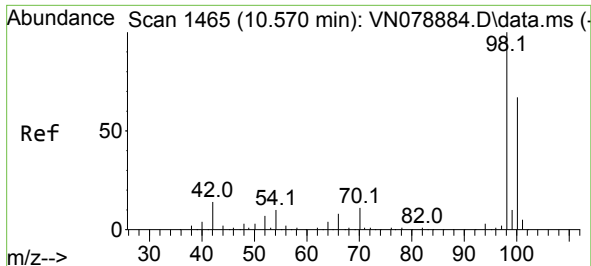
Ion Ratio Lower Upper

117 100

119 6.5 77.3 115.9#

121 0.0 23.3 34.9#

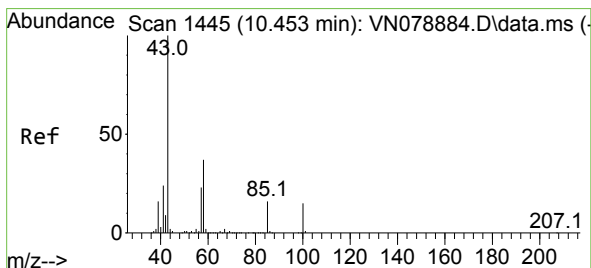
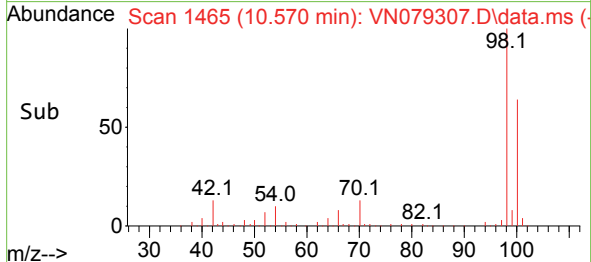
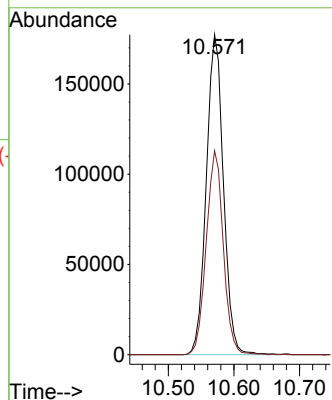
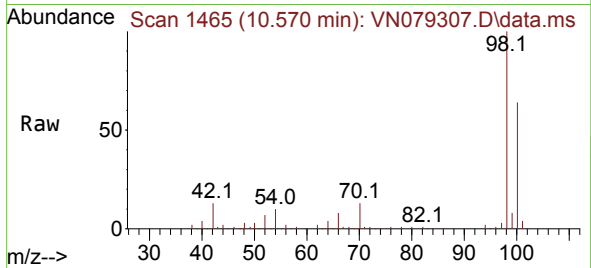




#50
Toluene-d8
Concen: 42.475 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

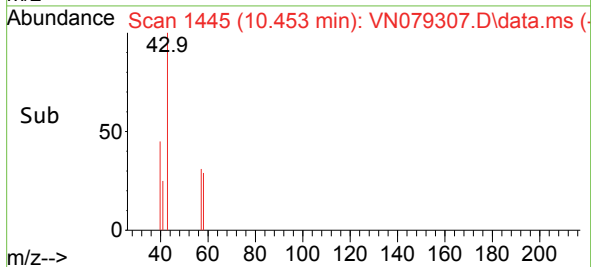
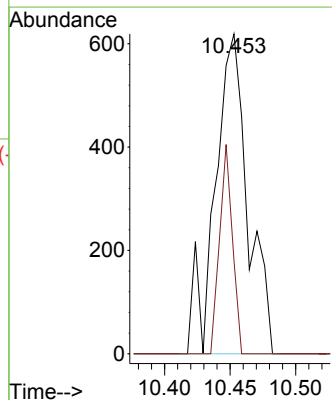
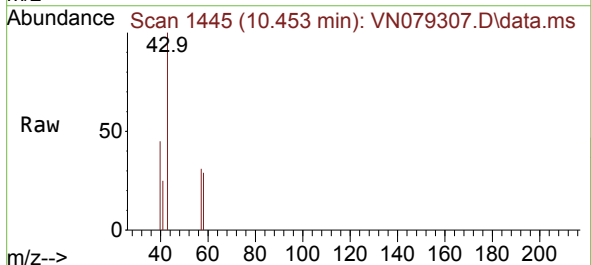
Instrument :
MSVOA_N
ClientSampleId :

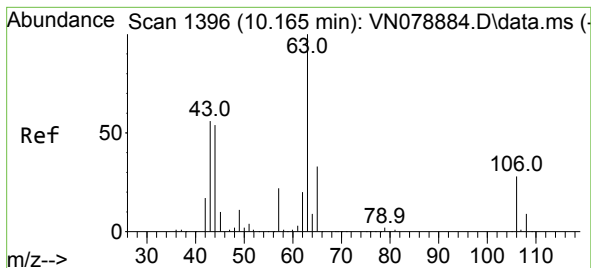
Tgt Ion: 98 Resp: 322439
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.358 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
58 25.5 36.6 54.8#

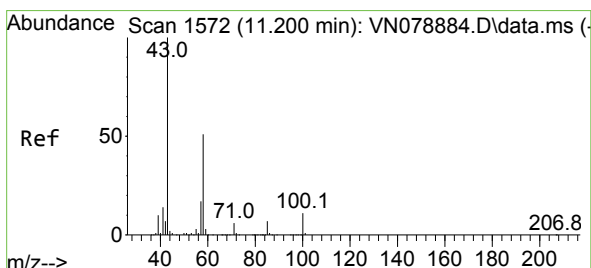
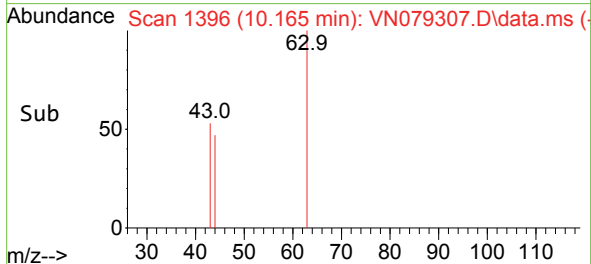
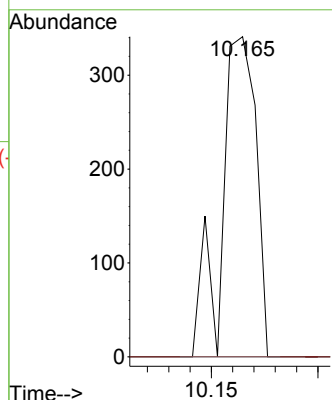
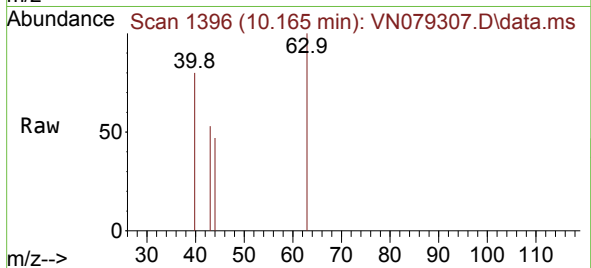




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

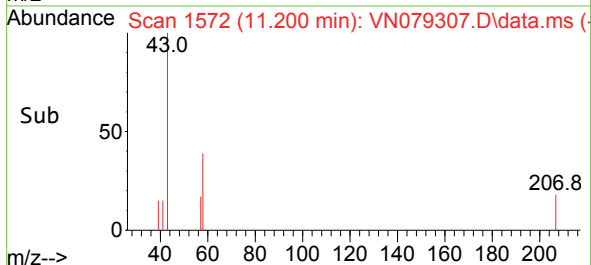
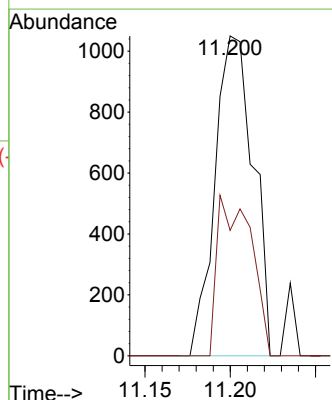
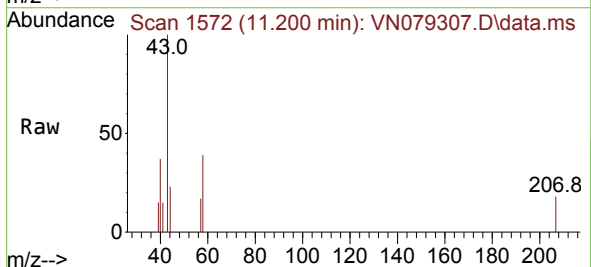
Instrument :
MSVOA_N
ClientSampleId :

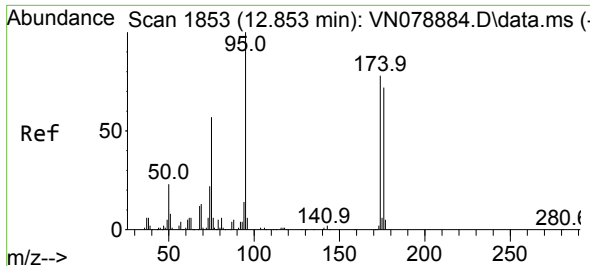
Tgt Ion: 63 Resp: 385
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 0.753 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
58 44.3 31.7 95.1

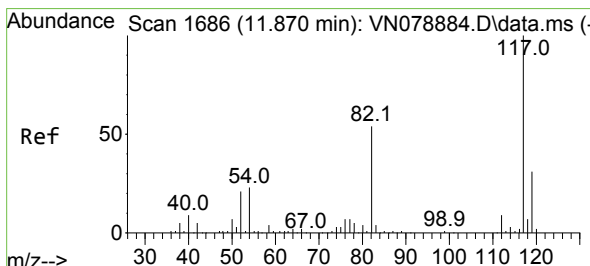
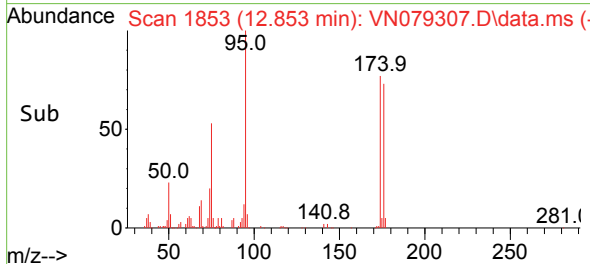
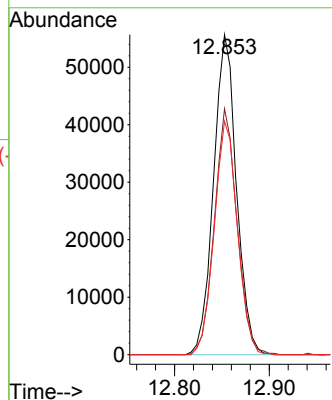
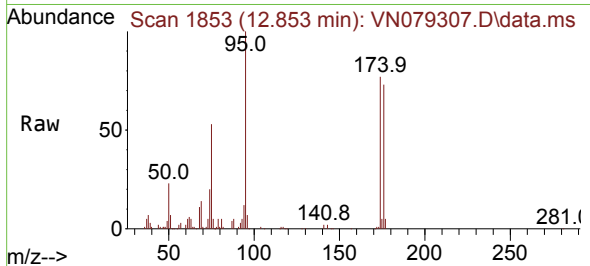




#62
4-Bromofluorobenzene
Concen: 38.628 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

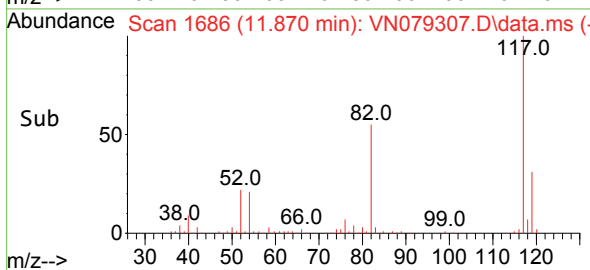
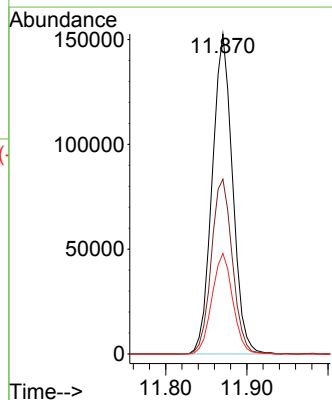
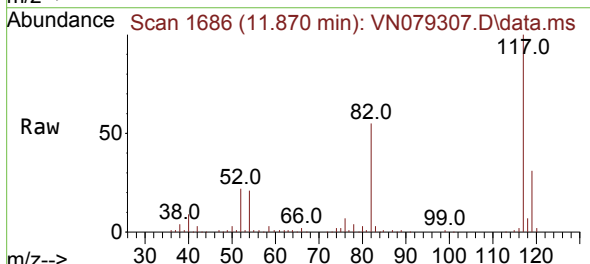
Instrument :
MSVOA_N
ClientSampleId :

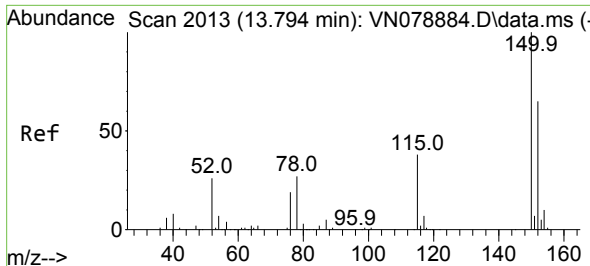
Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	143.8
176	73.6	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

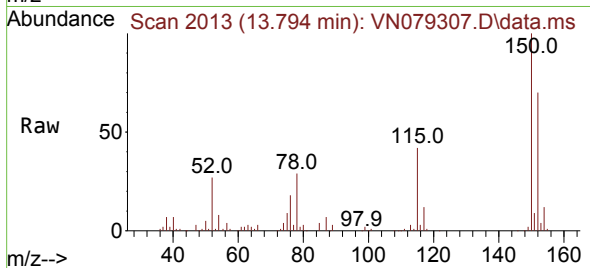
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.0	66.0
119	31.4	25.6	38.4



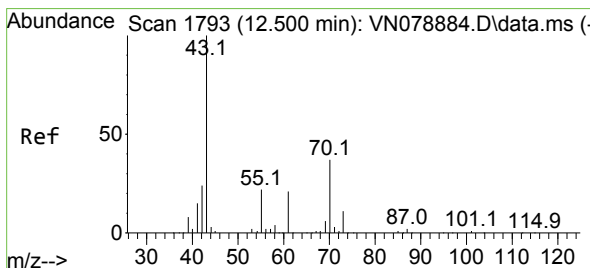
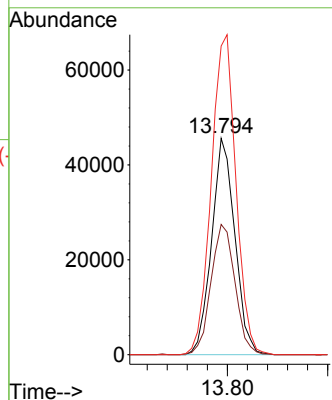
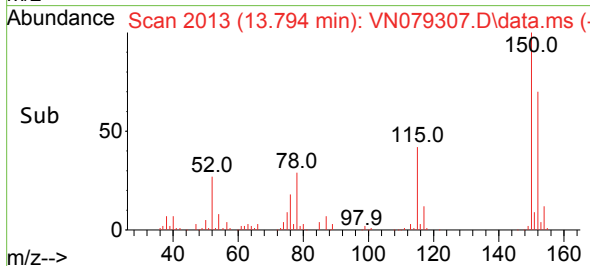


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079307.D
 Acq: 20 Sep 2023 10:34

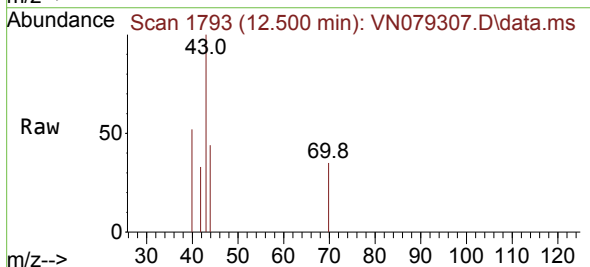
Instrument :
 MSVOA_N
 ClientSampleId :



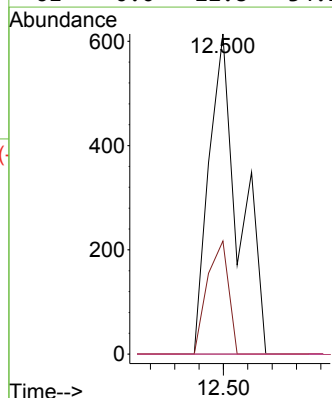
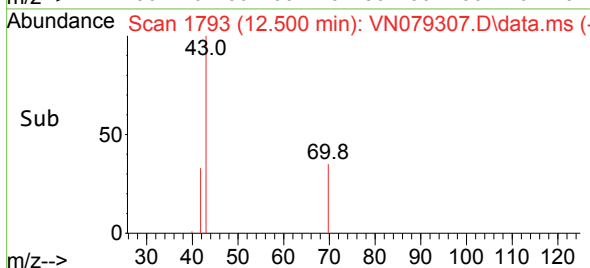
Tgt Ion:152 Resp: 73473
 Ion Ratio Lower Upper
 152 100
 115 62.3 32.3 96.8
 150 156.7 0.0 355.8

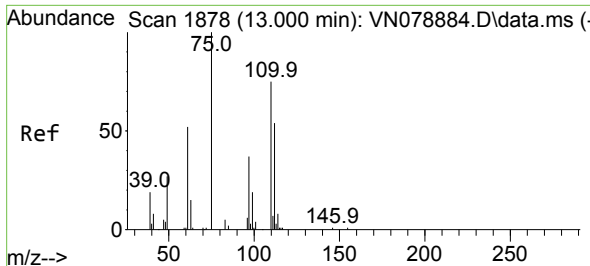


#74
 N-ethyl acetate
 Concen: 0.209 ug/l
 RT: 12.500 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: VN079307.D
 Acq: 20 Sep 2023 10:34



Tgt Ion: 43 Resp: 530
 Ion Ratio Lower Upper
 43 100
 70 24.7 43.4 65.2#
 55 0.0 21.4 32.0#
 61 0.0 22.8 34.2#

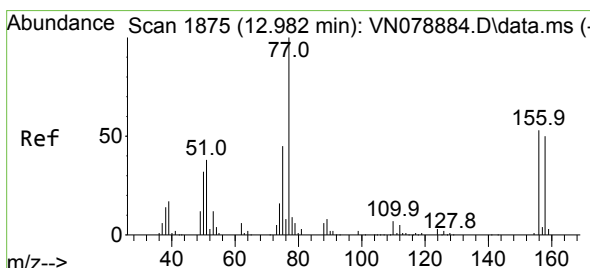
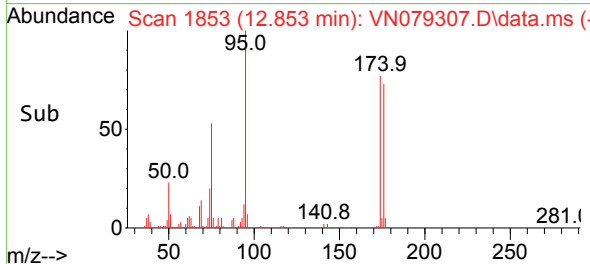
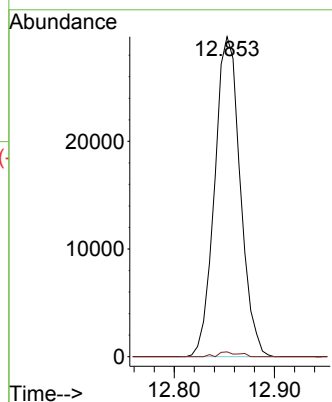
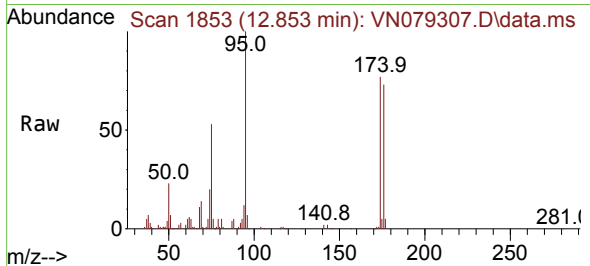




#76
1,2,3-Trichloropropane
Concen: 26.570 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

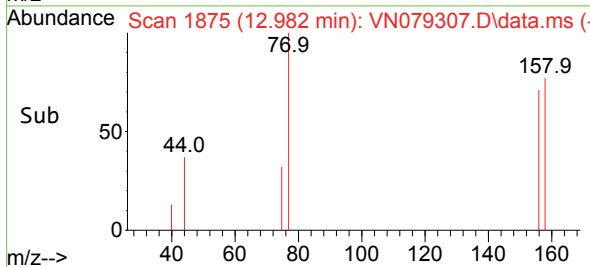
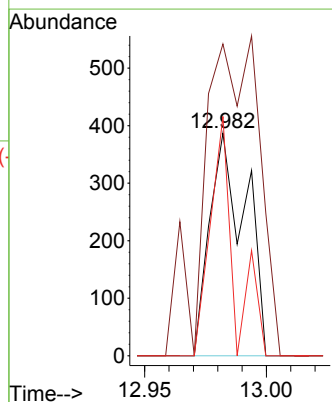
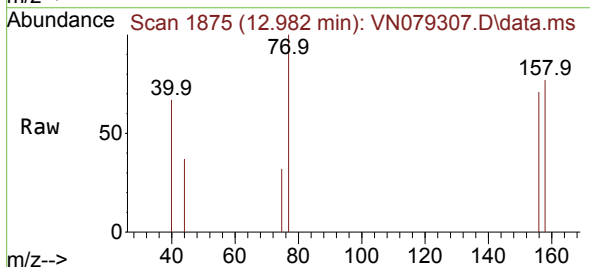
Instrument :
MSVOA_N
ClientSampleId :

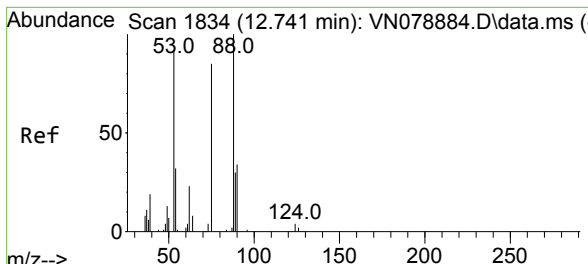
Tgt Ion: 75 Resp: 52613
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#77
Bromobenzene
Concen: 0.235 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

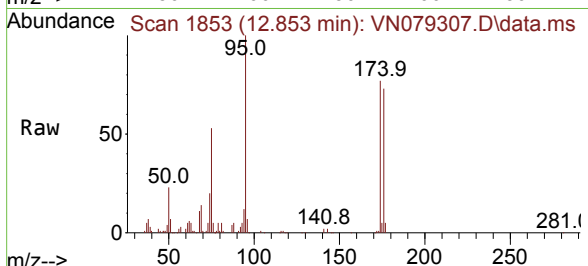
Tgt Ion:156 Resp: 398
Ion Ratio Lower Upper
156 100
77 218.8 107.7 323.3
158 71.1 48.4 145.3



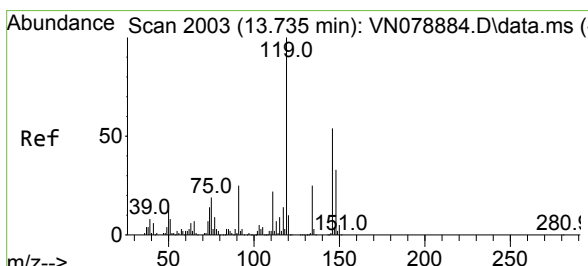
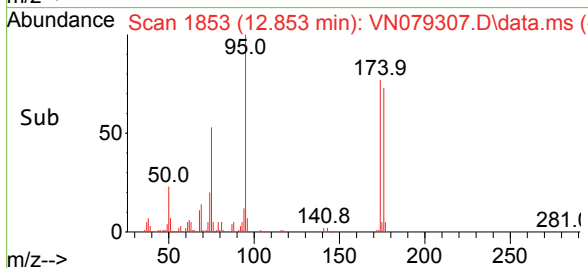
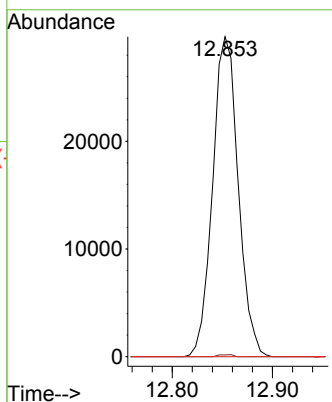


#81
trans-1,4-Dichloro-2-butene
Concen: 73.046 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

Instrument :
MSVOA_N
ClientSampleId :

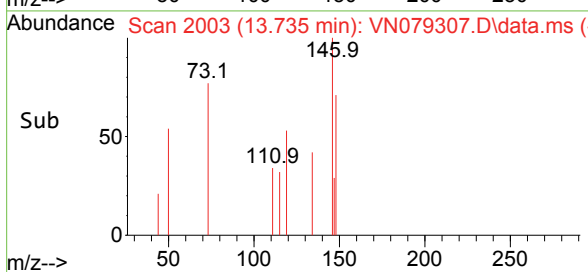
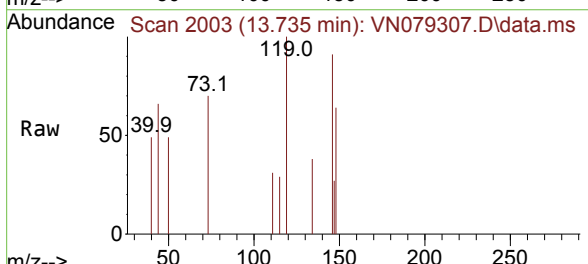
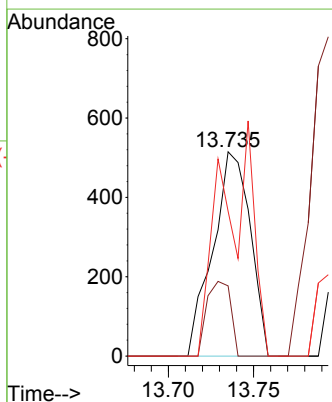


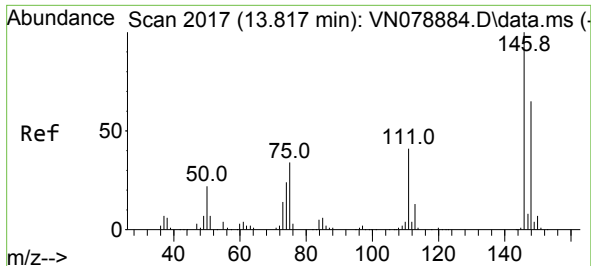
Tgt Ion: 75 Resp: 52613
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#



#87
1,3-Dichlorobenzene
Concen: 0.283 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.006 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

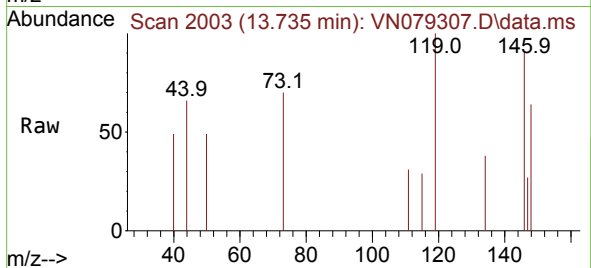
Tgt Ion:146 Resp: 787
Ion Ratio Lower Upper
146 100
111 23.1 22.1 66.3
148 60.0 32.0 96.0



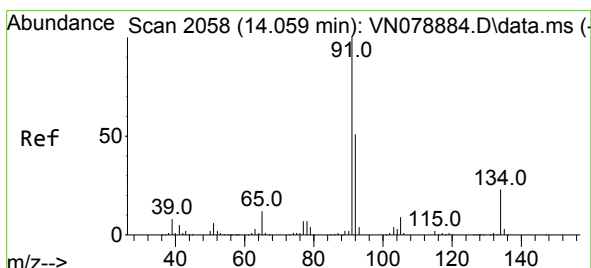
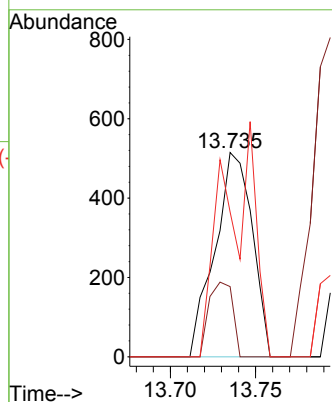
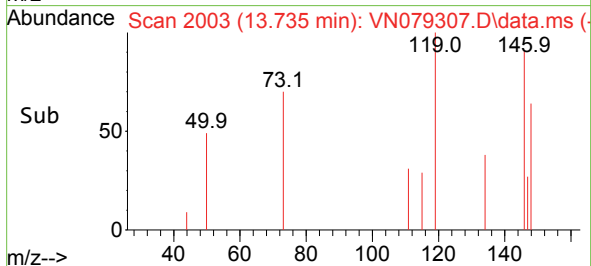


#88
1,4-Dichlorobenzene
Concen: 0.281 ug/l
RT: 13.735 min Scan# 2017
Delta R.T. -0.083 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

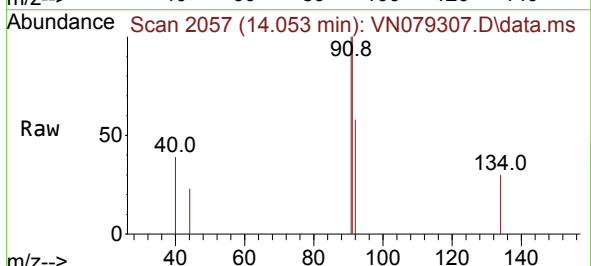
Instrument :
MSVOA_N
ClientSampleId :



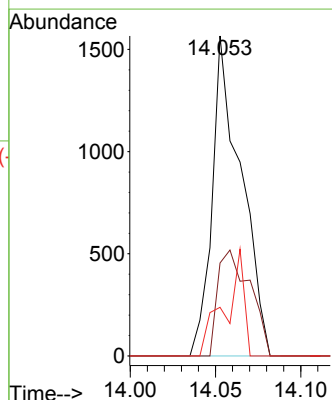
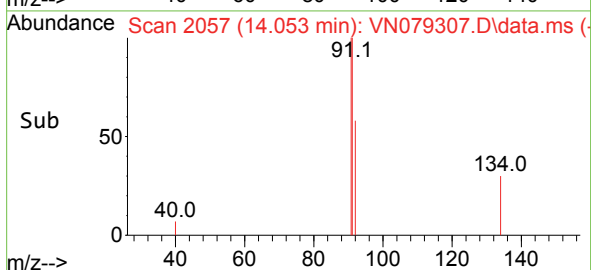
Tgt Ion:146 Resp: 787
Ion Ratio Lower Upper
146 100
111 23.1 20.6 61.8
148 60.0 31.6 94.8

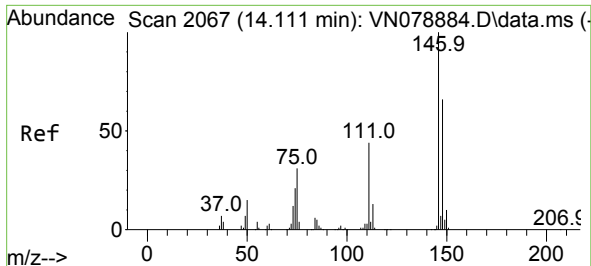


#89
n-Butylbenzene
Concen: 0.463 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34



Tgt Ion: 91 Resp: 1844
Ion Ratio Lower Upper
91 100
92 36.9 26.4 79.0
134 21.7 12.6 37.6

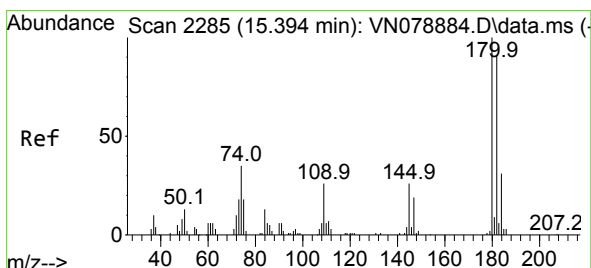
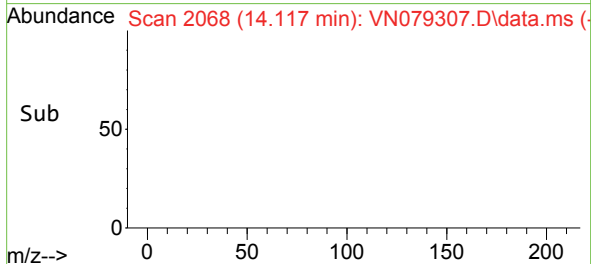
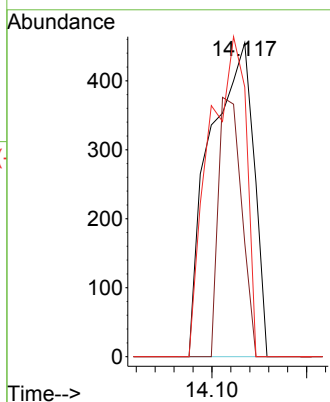
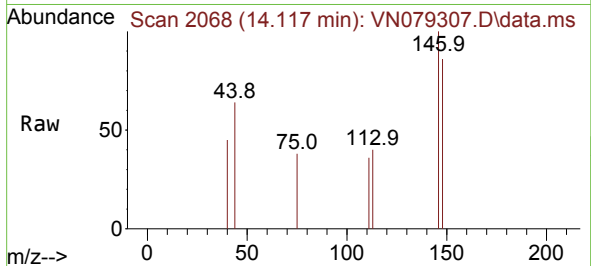




#91
1,2-Dichlorobenzene
Concen: 0.266 ug/l
RT: 14.117 min Scan# 2067
Delta R.T. 0.005 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

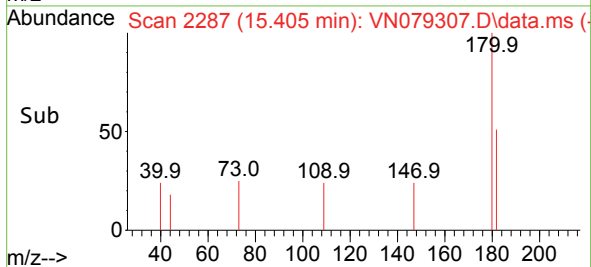
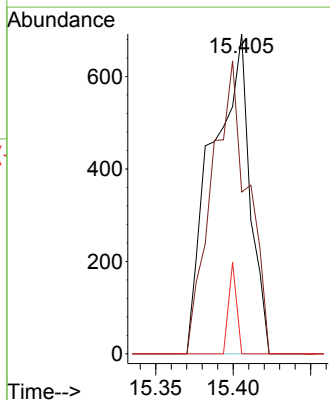
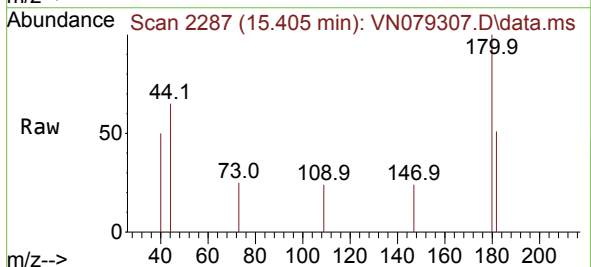
Instrument :
MSVOA_N
ClientSampleId :

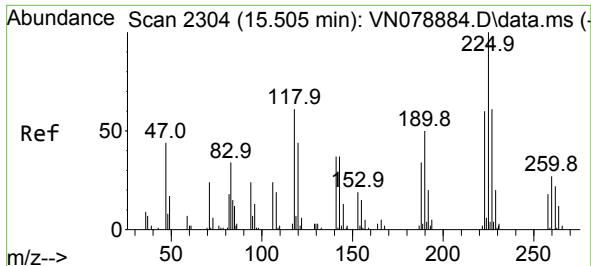
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	86.4	31.8	95.3



#93
1,2,4-Trichlorobenzene
Concen: 1.182 ug/l
RT: 15.405 min Scan# 2287
Delta R.T. 0.005 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

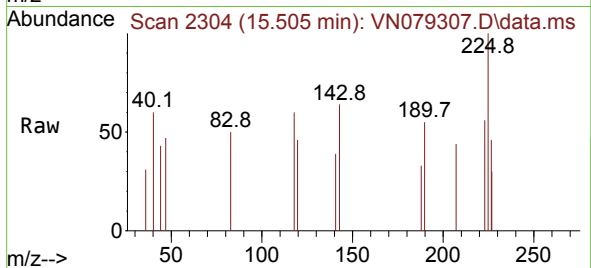
Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.8	46.1	138.2
145	6.0	16.6	49.8



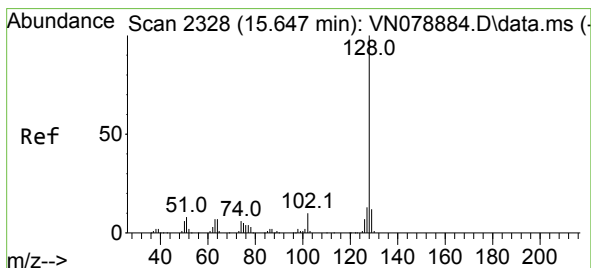
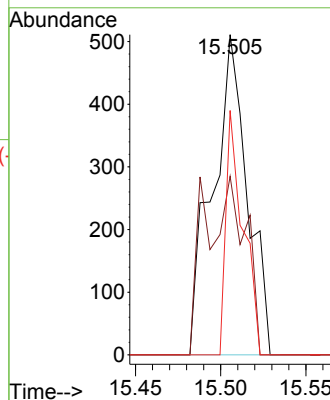
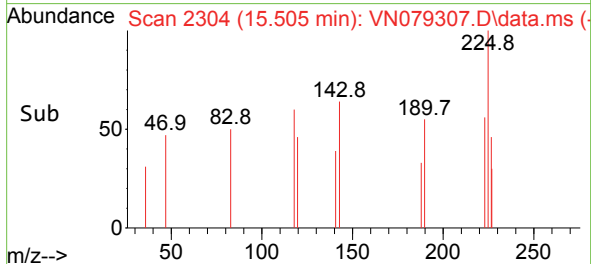


#94
Hexachlorobutadiene
Concen: 0.936 ug/l
RT: 15.505 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

Instrument :
MSVOA_N
ClientSampleId :

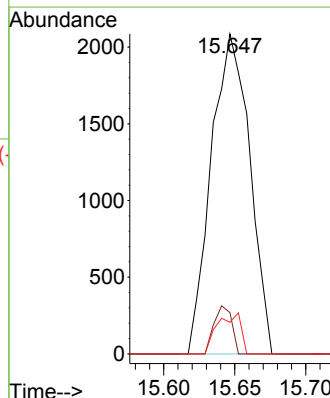
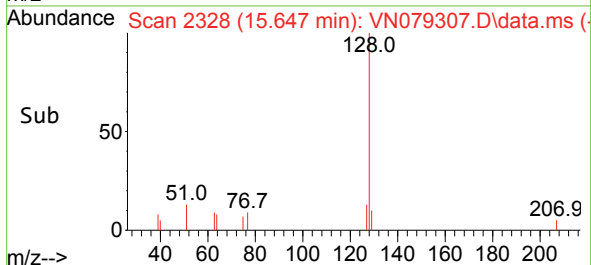
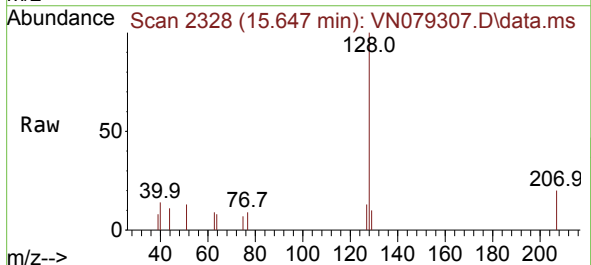


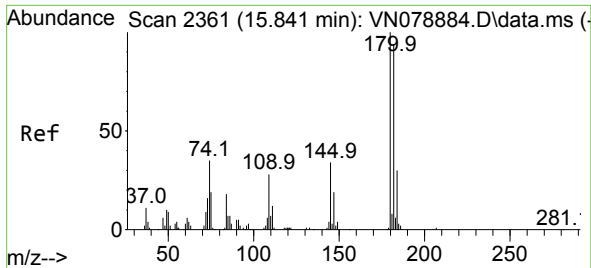
Tgt Ion:225 Resp: 725
Ion Ratio Lower Upper
225 100
223 64.7 31.3 93.8
227 37.8 31.9 95.9



#95
Naphthalene
Concen: 1.346 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079307.D
Acq: 20 Sep 2023 10:34

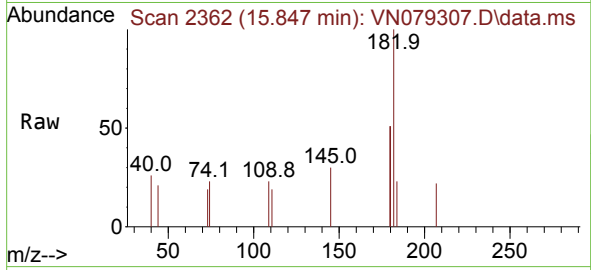
Tgt Ion:128 Resp: 3936
Ion Ratio Lower Upper
128 100
127 6.9 10.0 15.0#
129 7.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.207 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN079307.D
 Acq: 20 Sep 2023 10:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1402
Ion	Ratio	Lower	Upper
180	100		
182	102.3	46.2	138.6
145	25.9	17.5	52.6

