

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074379.D
 Acq On : 09 Sep 2022 17:34
 Operator : JC\MD
 Sample : VN0909WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBL01

Quant Time: Sep 10 06:21:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

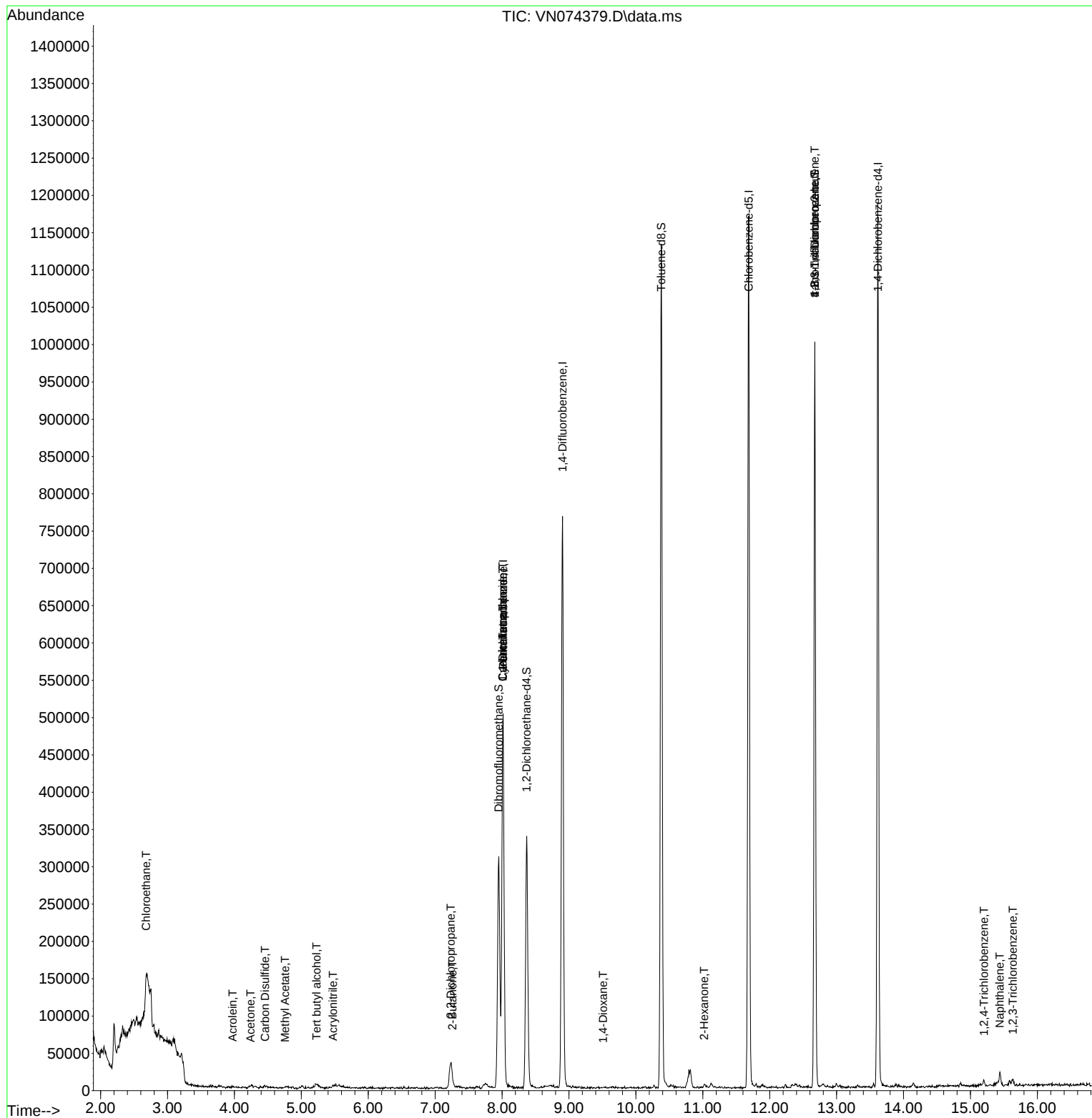
Internal Standards						
1) Pentafluorobenzene	8.016	168	356481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	634594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	616501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	279566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	268747	43.574	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.140%
35) Dibromofluoromethane	7.951	113	212627	49.631	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.260%
50) Toluene-d8	10.380	98	747183	44.760	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.520%
62) 4-Bromofluorobenzene	12.674	95	297026	49.009	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.020%
Target Compounds						
					Qvalue	
3) Chloromethane	2.251	50	1945	Below Cal	#	45
6) Chloroethane	2.681	64	50940	6.936	ug/l #	46
11) Tert butyl alcohol	5.228	59	4926	3.053	ug/l #	71
13) Acrolein	3.975	56	763	0.712	ug/l #	47
15) Acrylonitrile	5.475	53	1998	0.541	ug/l #	61
16) Acetone	4.240	43	2542	0.763	ug/l #	46
17) Carbon Disulfide	4.457	76	3420	0.283	ug/l #	77
18) Methyl Acetate	4.757	43	2423	0.247	ug/l #	55
20) Methylene Chloride	5.016	84	1301	Below Cal	#	66
25) 2-Butanone	7.257	43	4703	0.841	ug/l #	52
26) 2,2-Dichloropropane	7.233	77	2589	0.284	ug/l #	55
28) Bromochloromethane	7.375	49	71	Below Cal	#	20
31) Cyclohexane	8.010	56	11639	1.187	ug/l #	30
36) 1,1-Dichloropropene	8.010	75	35975	5.097	ug/l #	49
38) Carbon Tetrachloride	8.010	117	38280	5.254	ug/l #	16
49) 1,4-Dioxane	9.510	88	145	0.932	ug/l #	1
59) 2-Hexanone	11.021	43	3034	0.359	ug/l	71
74) N-amyl acetate	12.333	43	1959	Below Cal	#	80
76) 1,2,3-Trichloropropane	12.674	75	182587	24.983	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	182587	55.687	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.539	75	587	Below Cal	#	53
93) 1,2,4-Trichlorobenzene	15.204	180	1816	0.325	ug/l	79
95) Naphthalene	15.439	128	14907	0.682	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.633	180	3376	0.584	ug/l	89

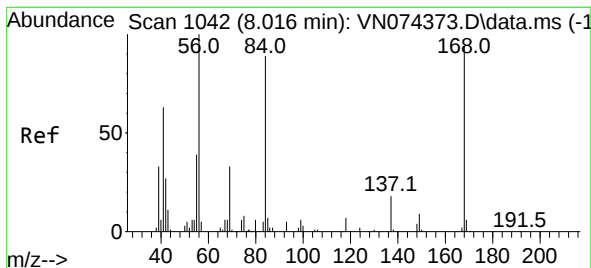
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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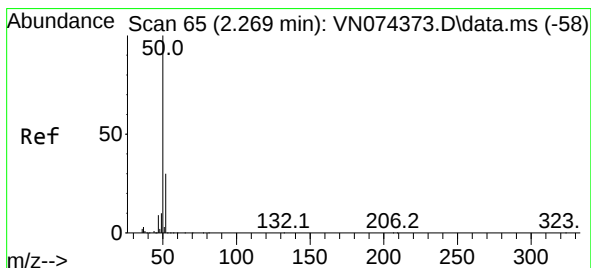
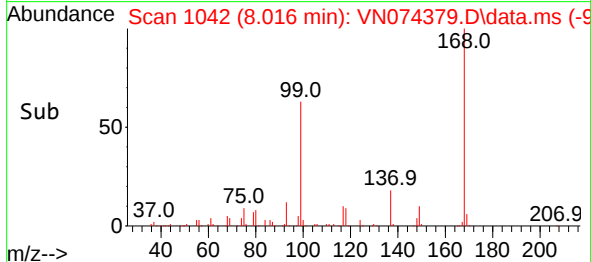
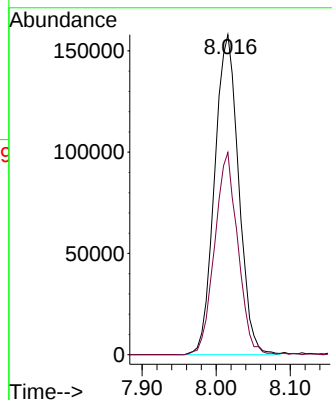
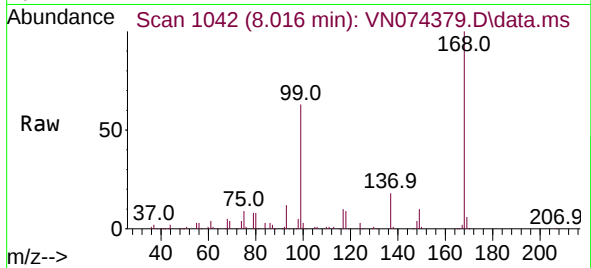




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

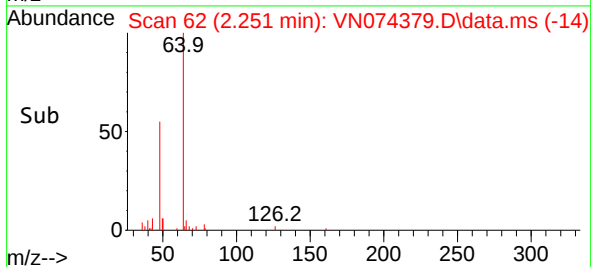
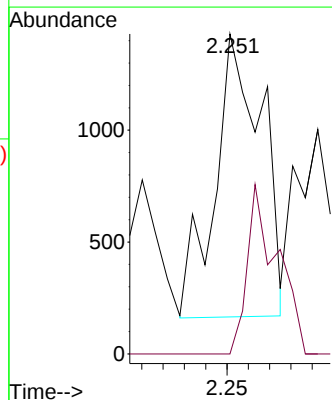
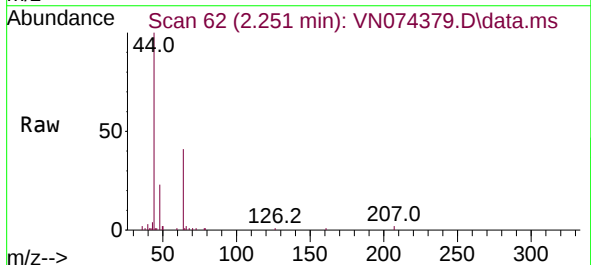
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

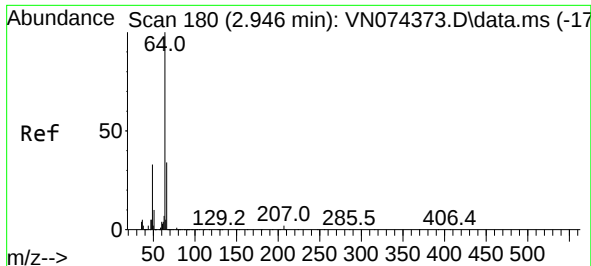
Tgt Ion:168 Resp: 356481
Ion Ratio Lower Upper
168 100
99 63.2 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.251 min Scan# 62
Delta R.T. -0.018 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 50 Resp: 1945
Ion Ratio Lower Upper
50 100
52 0.0 24.1 36.1#

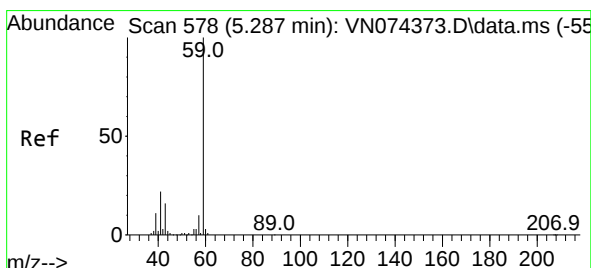
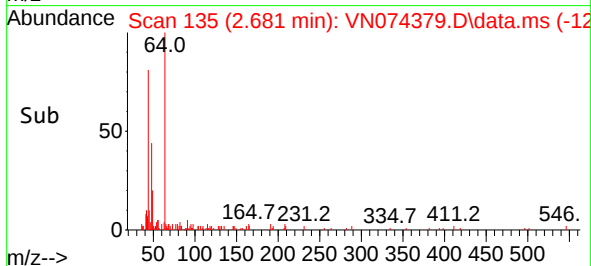
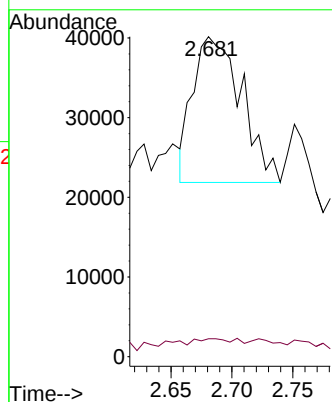
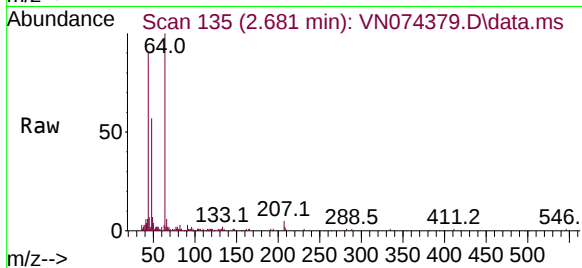




#6
Chloroethane
Concen: 6.936 ug/l
RT: 2.681 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

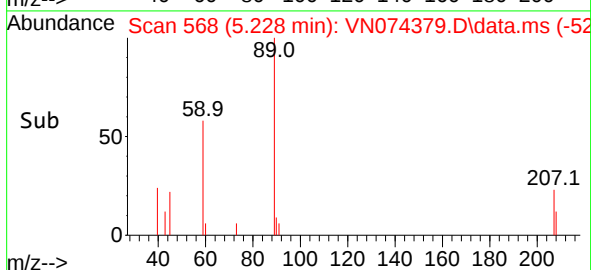
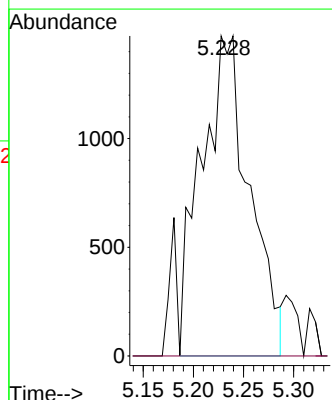
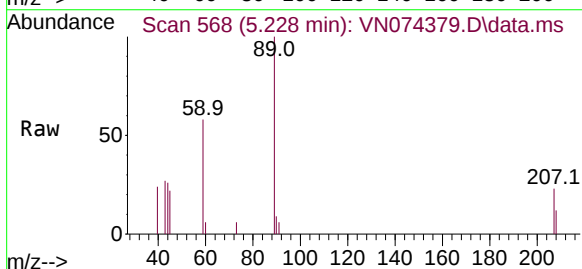
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

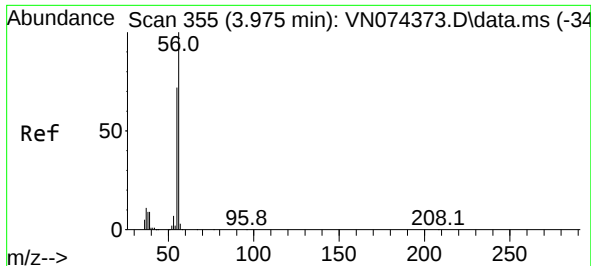
Tgt Ion: 64 Resp: 50940
Ion Ratio Lower Upper
64 100
66 2.6 26.5 39.7#



#11
Tert butyl alcohol
Concen: 3.053 ug/l
RT: 5.228 min Scan# 568
Delta R.T. -0.059 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 59 Resp: 4926
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

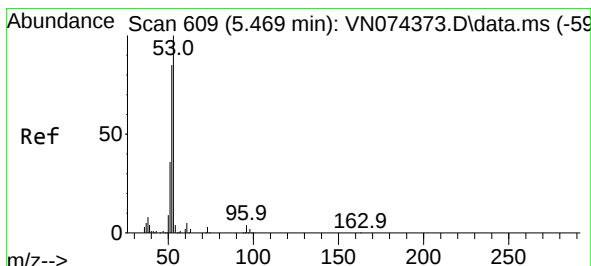
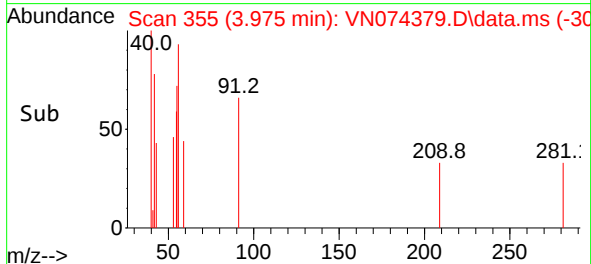
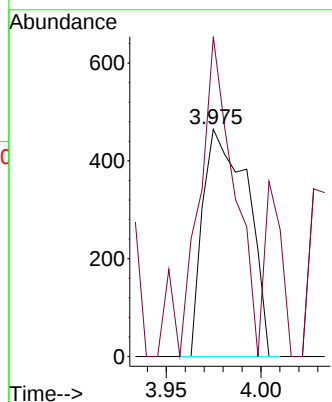
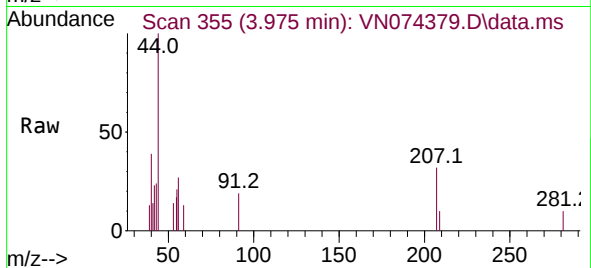




#13
Acrolein
Concen: 0.712 ug/l
RT: 3.975 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

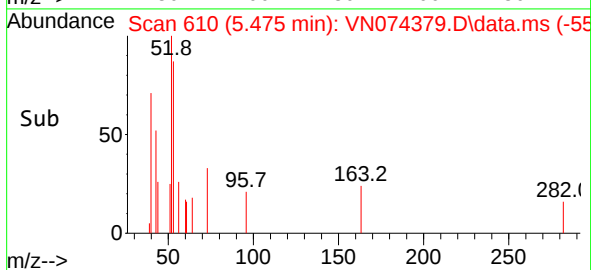
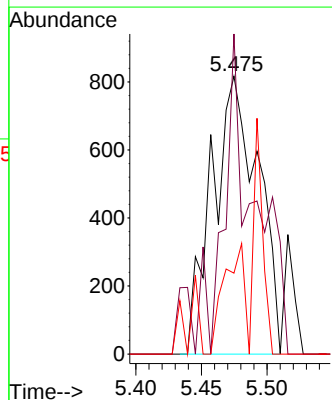
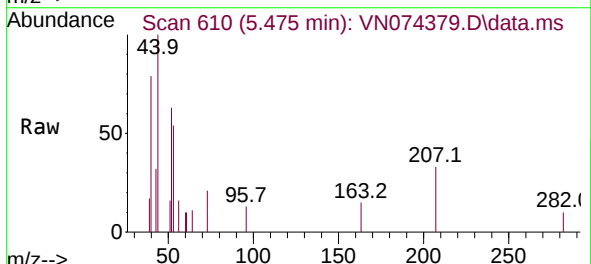
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

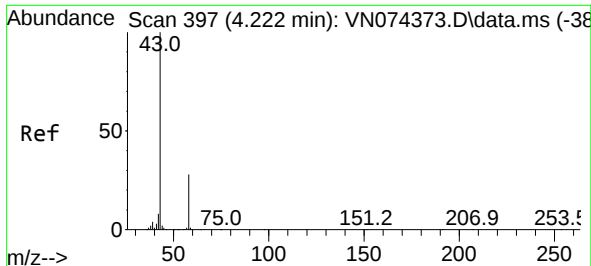
Tgt Ion: 56 Resp: 763
Ion Ratio Lower Upper
56 100
55 114.3 56.2 84.4#



#15
Acrylonitrile
Concen: 0.541 ug/l
RT: 5.475 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 53 Resp: 1998
Ion Ratio Lower Upper
53 100
52 49.4 65.9 98.9#
51 11.6 29.4 44.2#

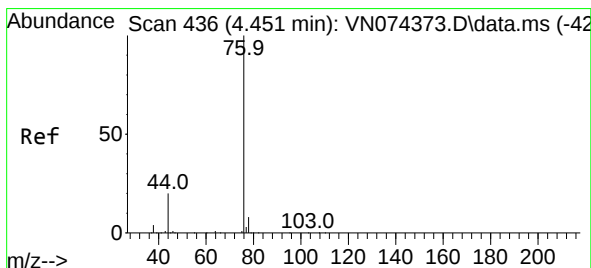
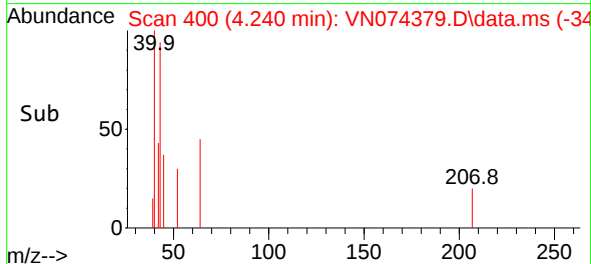
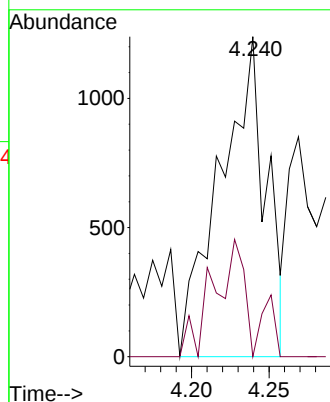
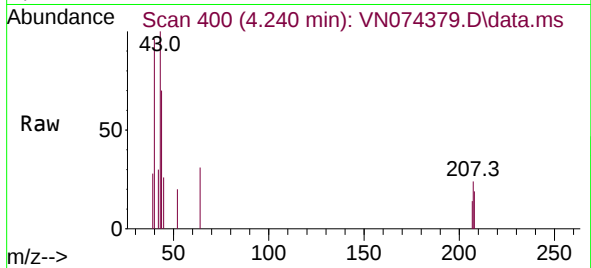




#16
Acetone
Concen: 0.763 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

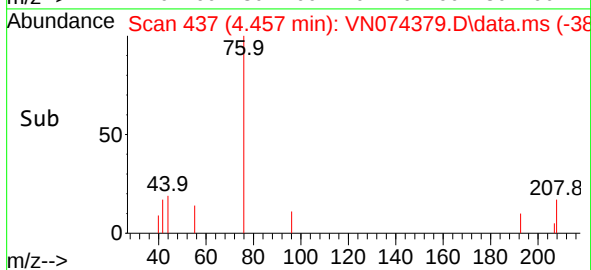
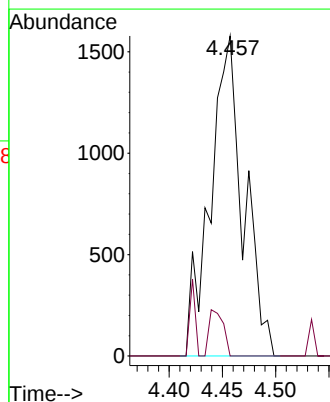
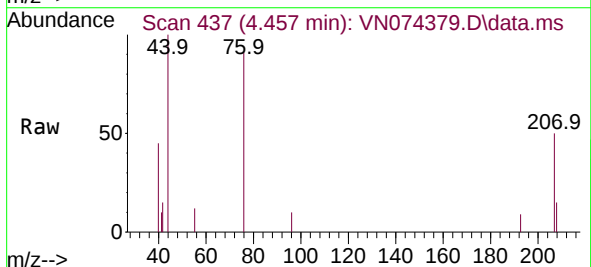
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

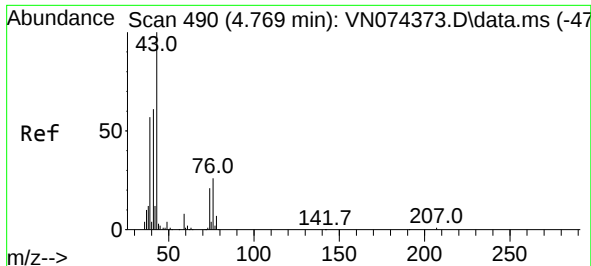
Tgt Ion: 43 Resp: 2542
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#17
Carbon Disulfide
Concen: 0.283 ug/l
RT: 4.457 min Scan# 437
Delta R.T. 0.006 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 76 Resp: 3420
Ion Ratio Lower Upper
76 100
78 0.0 6.5 9.7#

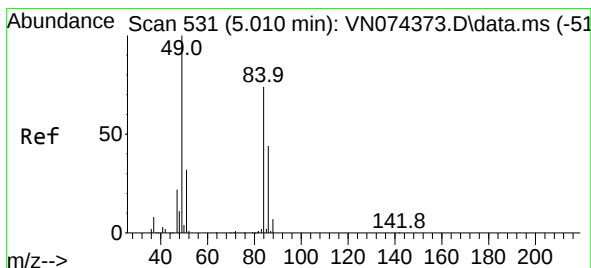
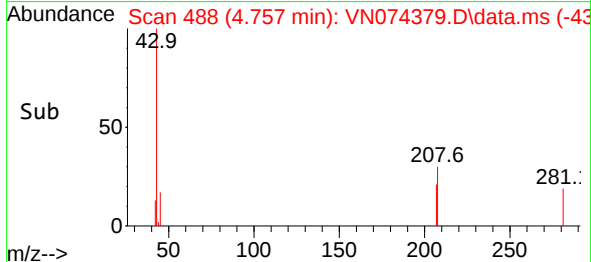
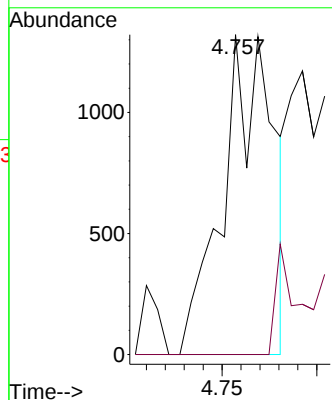
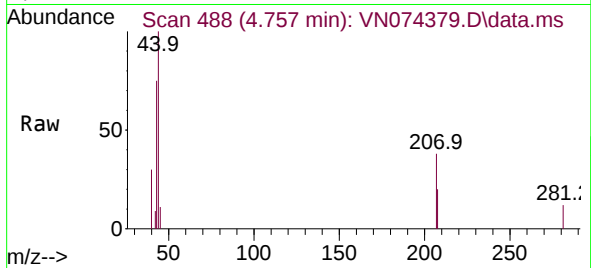




#18
Methyl Acetate
Concen: 0.247 ug/l
RT: 4.757 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

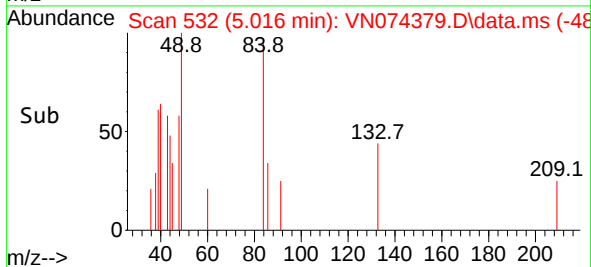
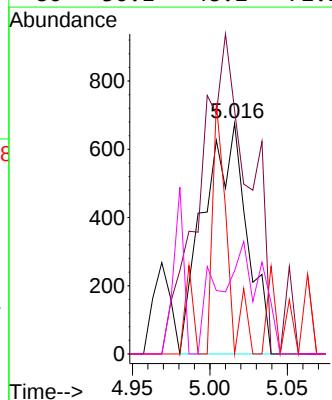
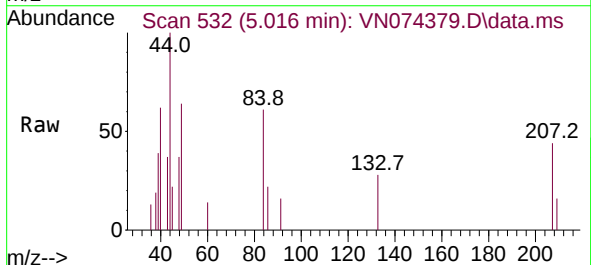
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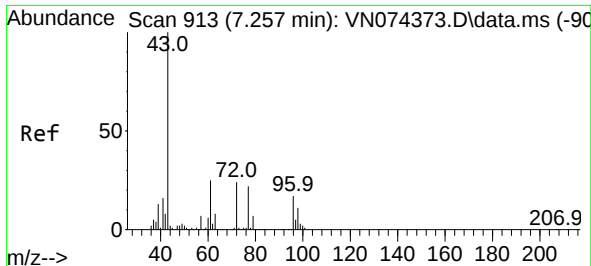
Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 84 Resp: 1301
Ion Ratio Lower Upper
84 100
49 105.8 108.2 162.4#
51 0.0 34.3 51.5#
86 36.1 48.2 72.2#

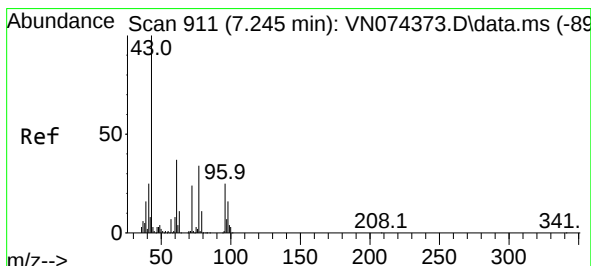
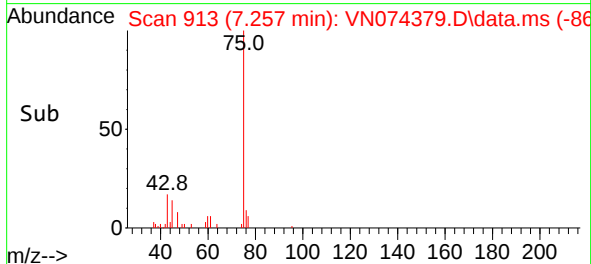
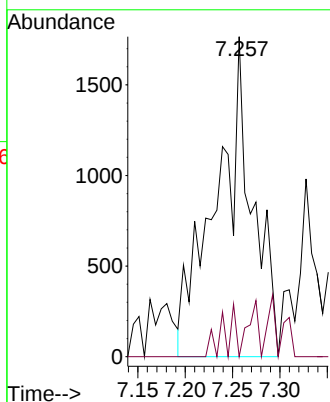
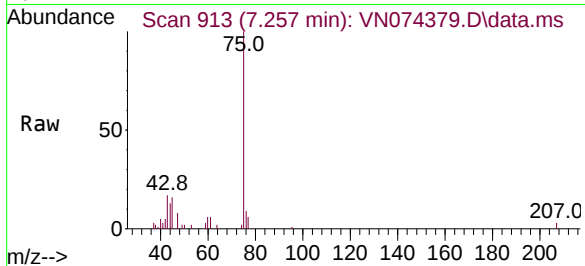




#25
2-Butanone
Concen: 0.841 ug/l
RT: 7.257 min Scan# 913
Delta R.T. -0.000 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

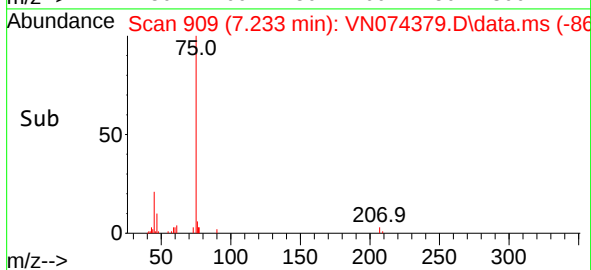
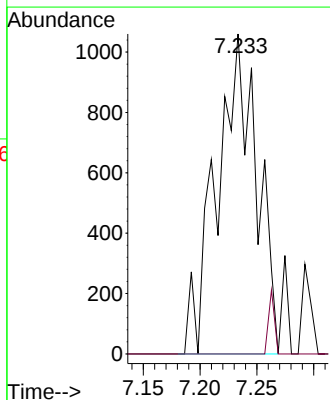
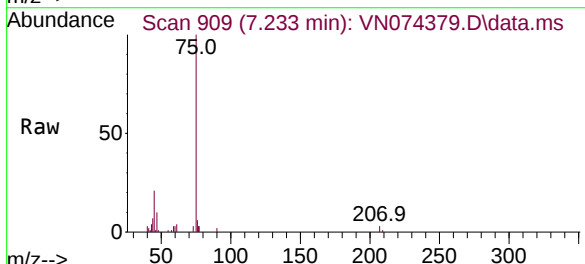
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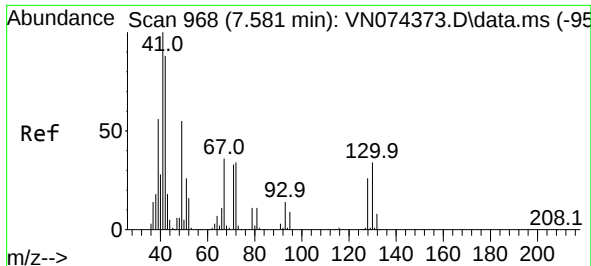
Tgt Ion: 43 Resp: 4703
Ion Ratio Lower Upper
43 100
72 0.0 18.9 28.3#



#26
2,2-Dichloropropane
Concen: 0.284 ug/l
RT: 7.233 min Scan# 909
Delta R.T. -0.012 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 77 Resp: 2589
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#

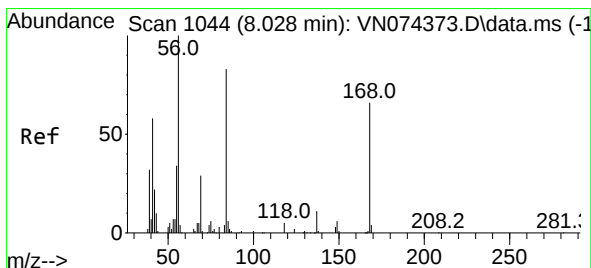
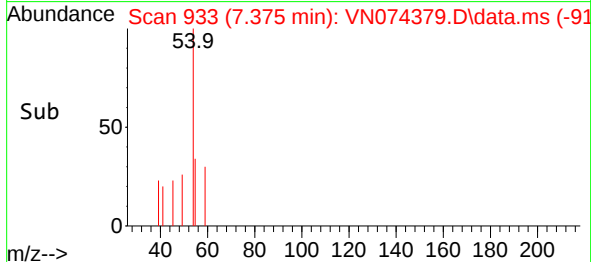
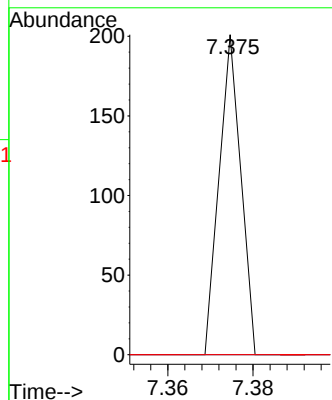
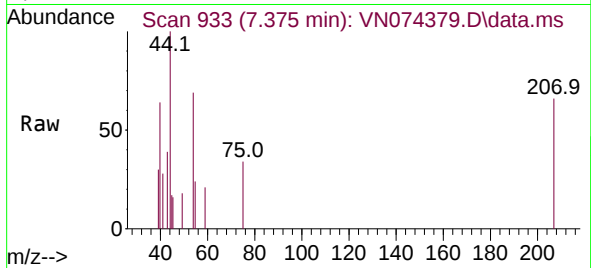




#28
Bromochloromethane
Concen: Below Cal
RT: 7.375 min Scan# 91
Delta R.T. -0.206 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

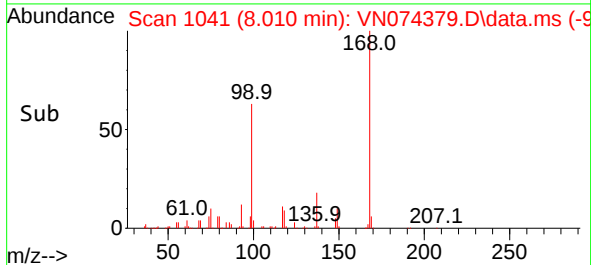
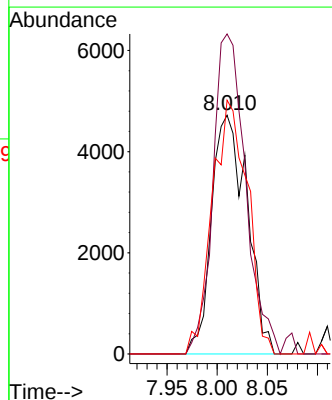
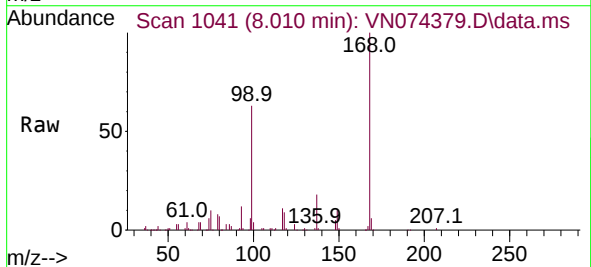
Instrument :
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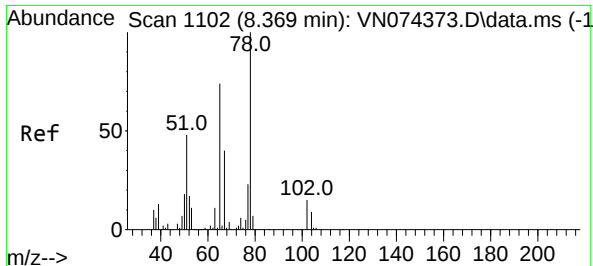
Tgt Ion: 49 Resp: 71
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.018 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 56 Resp: 11639
Ion Ratio Lower Upper
56 100
69 134.1 23.0 34.4#
84 106.3 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 43.574 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074379.D

Acq: 09 Sep 2022 17:34

Instrument :

MSVOA_N

ClientSampleId :

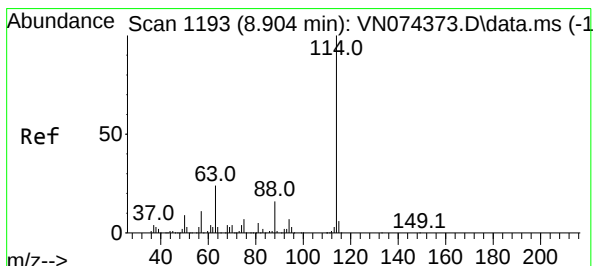
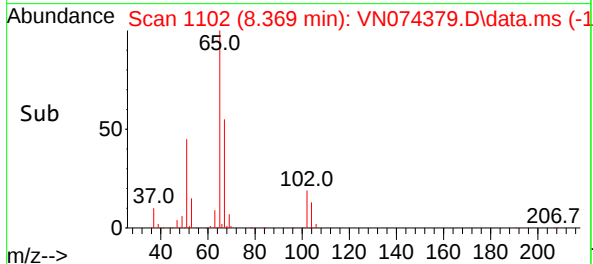
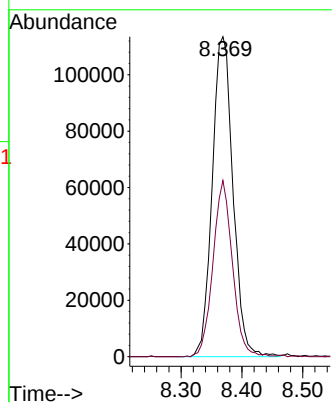
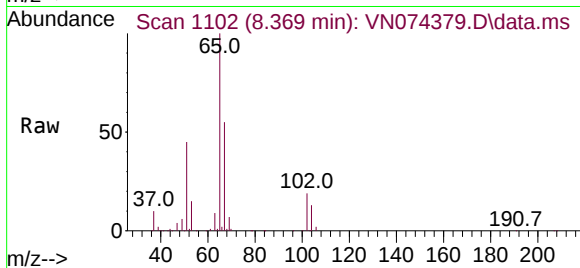
VN0909WBL01

Tgt Ion: 65 Resp: 268747

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074379.D

Acq: 09 Sep 2022 17:34

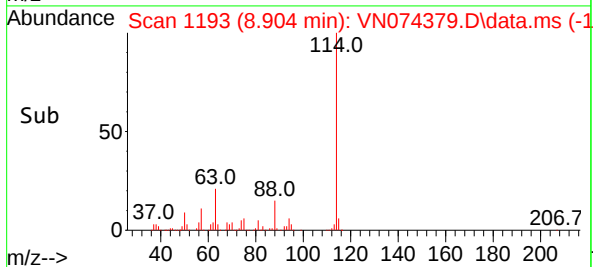
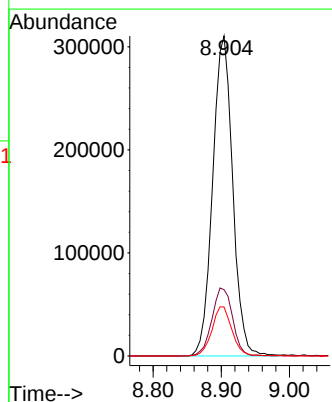
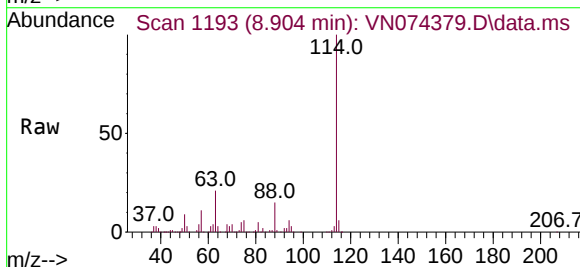
Tgt Ion: 114 Resp: 634594

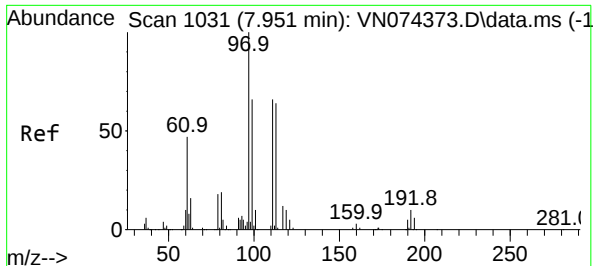
Ion Ratio Lower Upper

114 100

63 20.7 0.0 47.6

88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.631 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN074379.D

Acq: 09 Sep 2022 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBL01

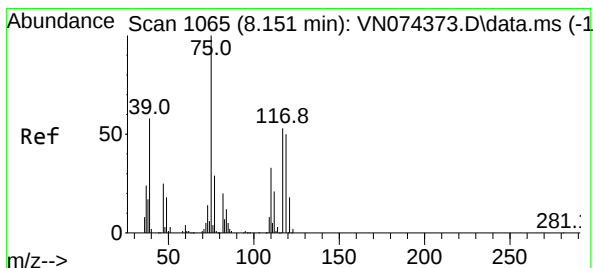
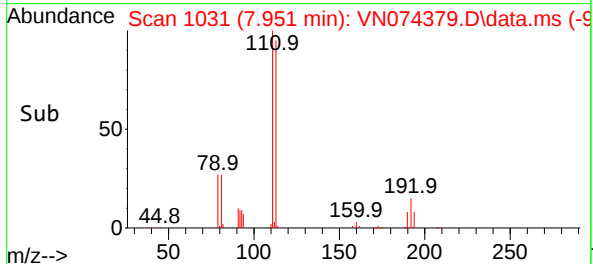
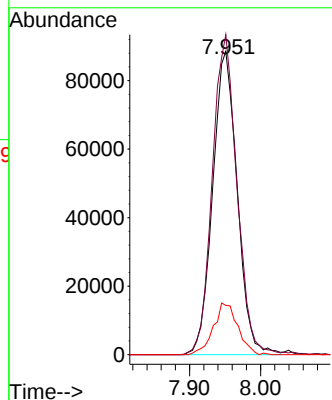
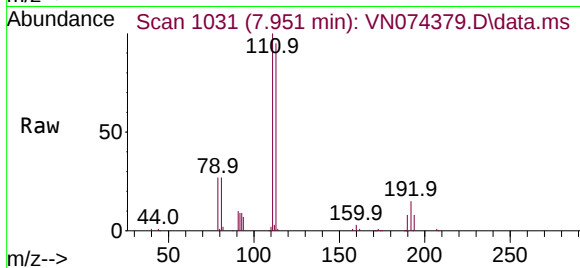
Tgt Ion:113 Resp: 212627

Ion Ratio Lower Upper

113 100

111 106.0 83.0 124.4

192 16.9 13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.097 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074379.D

Acq: 09 Sep 2022 17:34

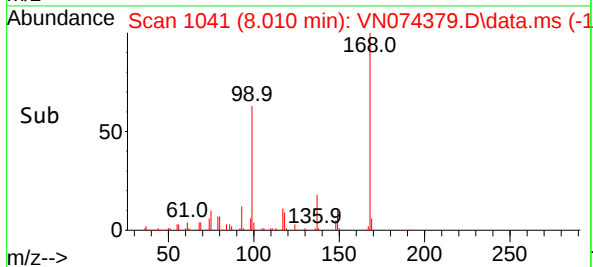
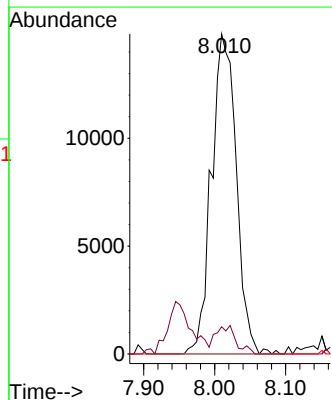
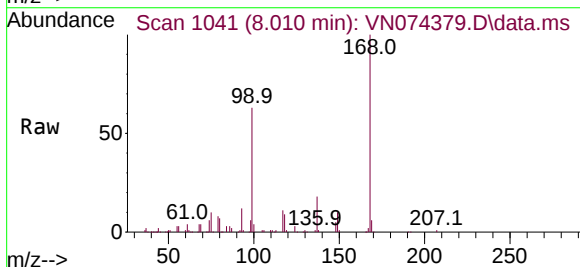
Tgt Ion: 75 Resp: 35975

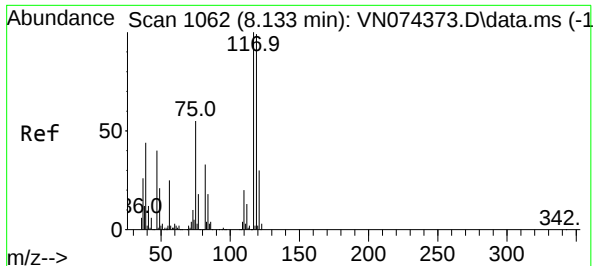
Ion Ratio Lower Upper

75 100

110 7.3 16.4 49.1#

77 0.0 25.4 38.2#

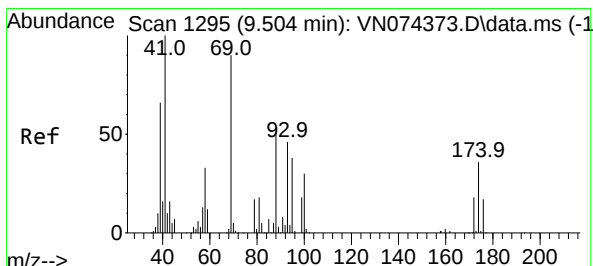
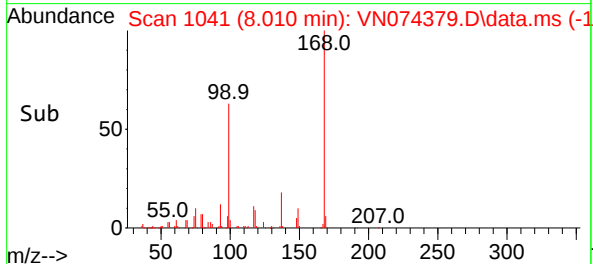
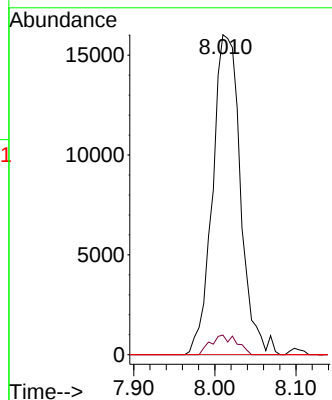
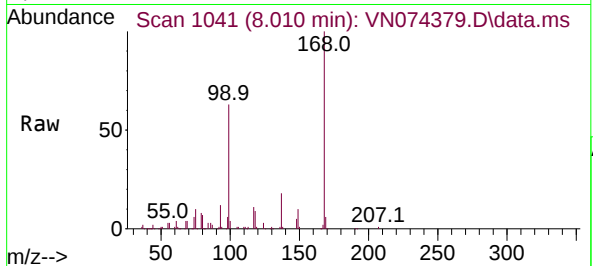




#38
Carbon Tetrachloride
Concen: 5.254 ug/l
RT: 8.010 min Scan# 117
Delta R.T. -0.124 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

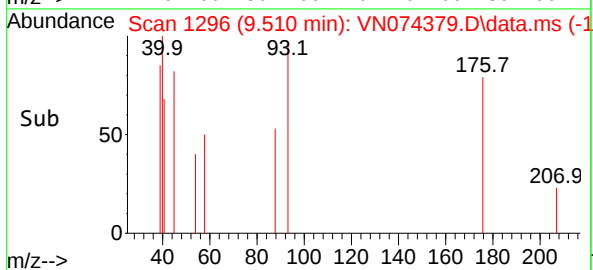
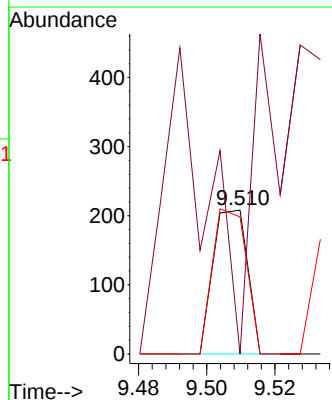
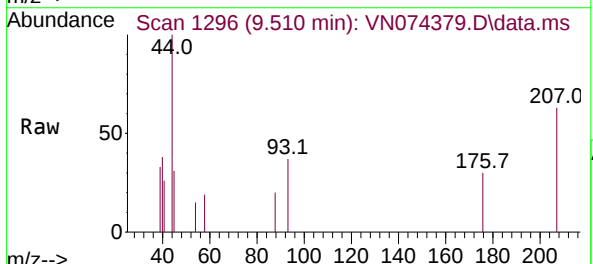
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

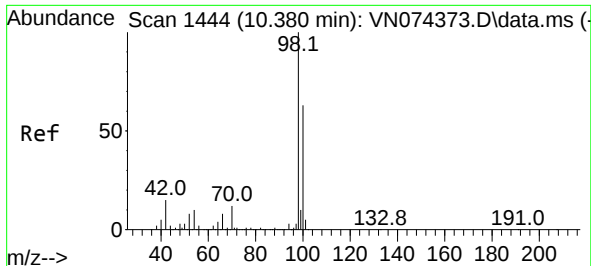
Tgt Ion:117 Resp: 38280
Ion Ratio Lower Upper
117 100
119 6.1 78.8 118.2#
121 0.0 24.1 36.1#



#49
1,4-Dioxane
Concen: 0.932 ug/l
RT: 9.510 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 457.2 26.9 40.3#
58 99.3 52.7 79.1#

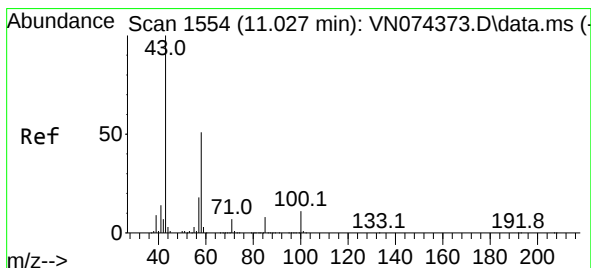
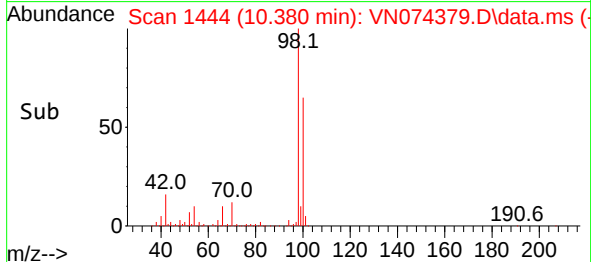
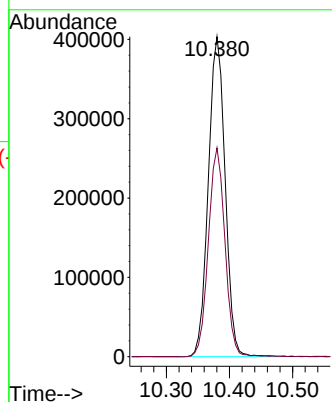
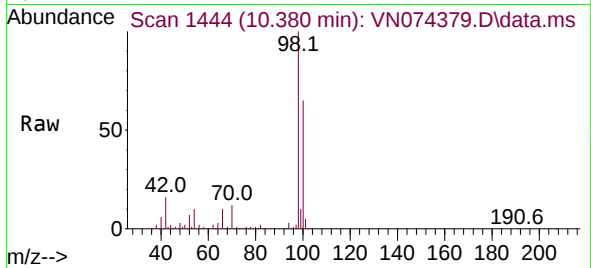




#50
Toluene-d8
Concen: 44.760 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

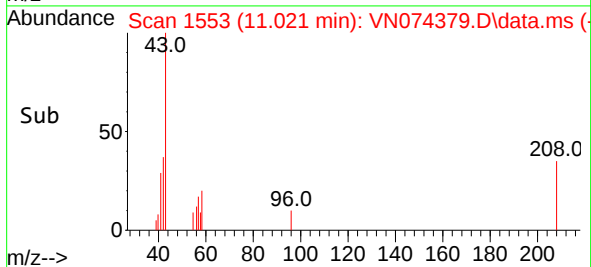
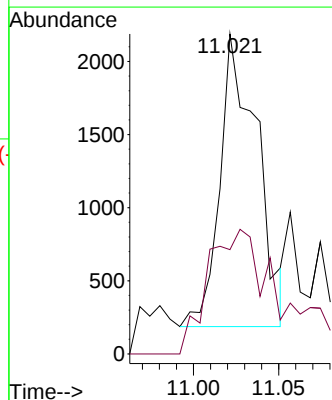
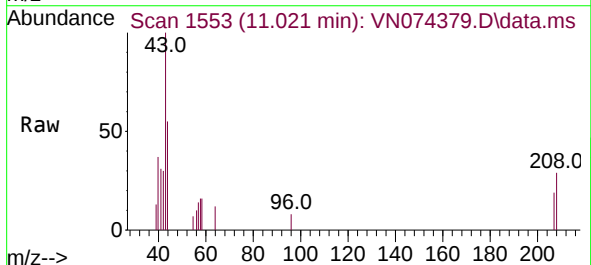
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

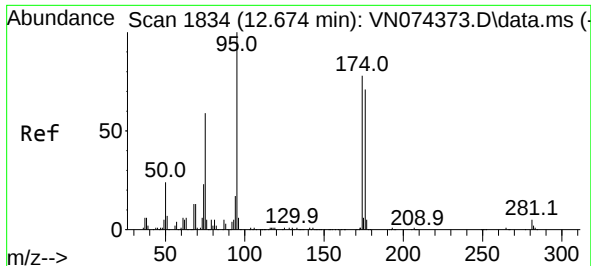
Tgt Ion: 98 Resp: 747183
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0



#59
2-Hexanone
Concen: 0.359 ug/l
RT: 11.021 min Scan# 1553
Delta R.T. -0.006 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 43 Resp: 3034
Ion Ratio Lower Upper
43 100
58 72.0 25.8 77.3

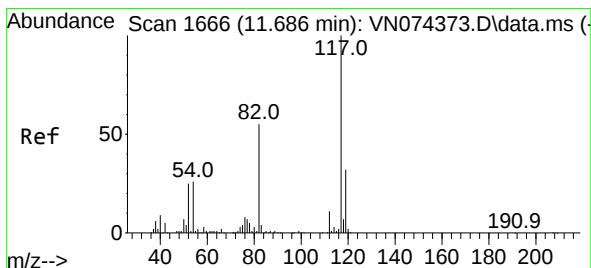
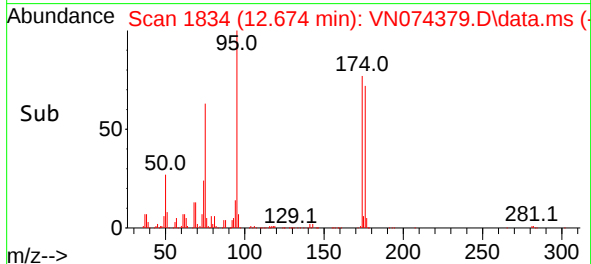
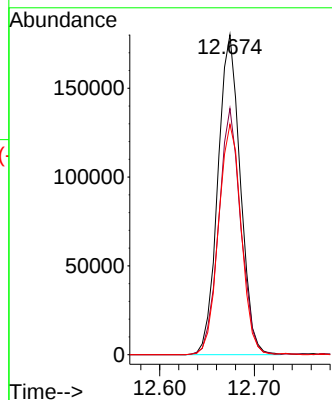
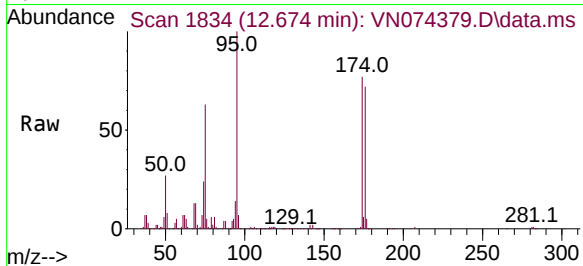




#62
4-Bromofluorobenzene
Concen: 49.009 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

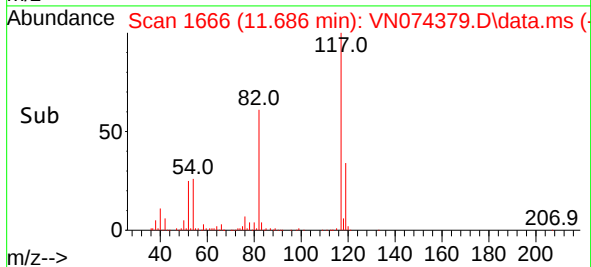
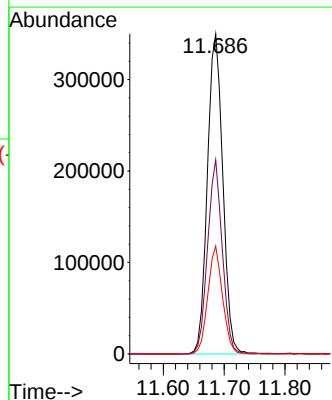
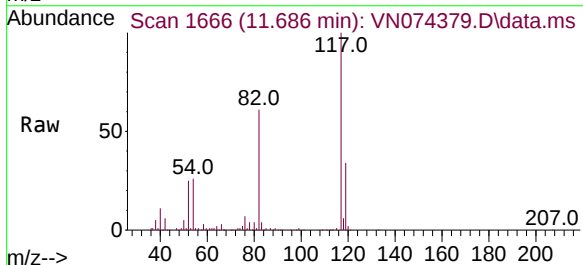
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

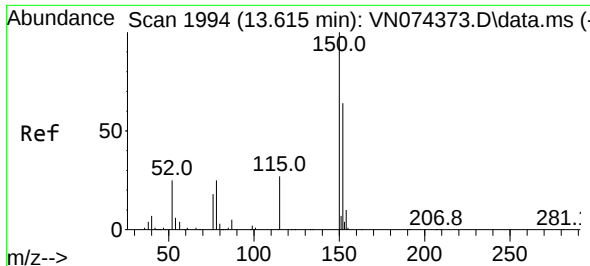
Tgt Ion: 95 Resp: 297026
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.6
176 72.7 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 117 Resp: 616501
Ion Ratio Lower Upper
117 100
82 60.6 44.3 66.5
119 33.7 25.5 38.3

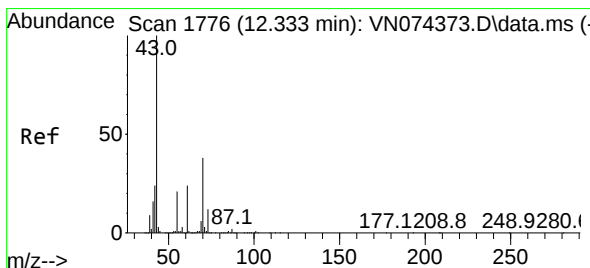
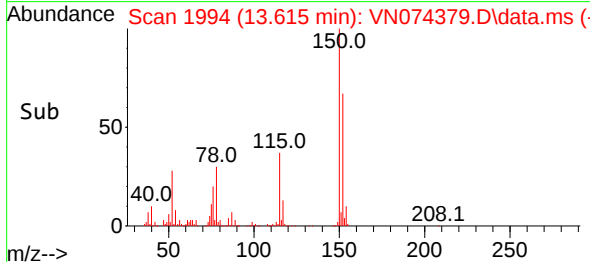
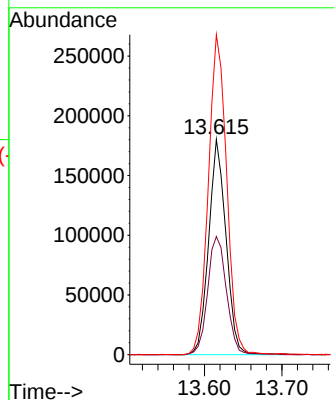
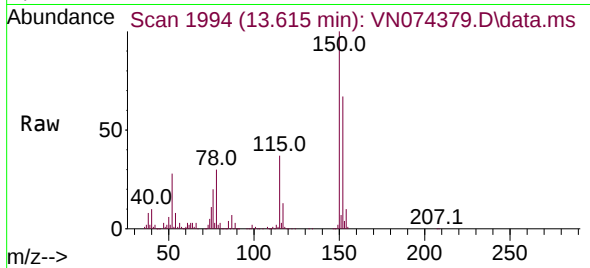




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

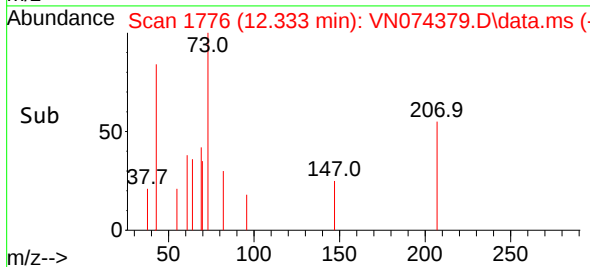
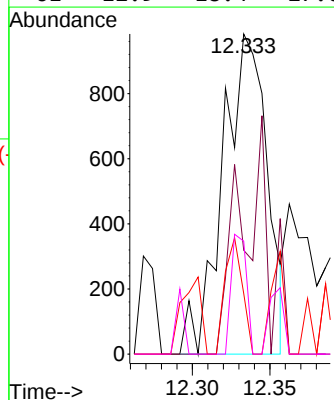
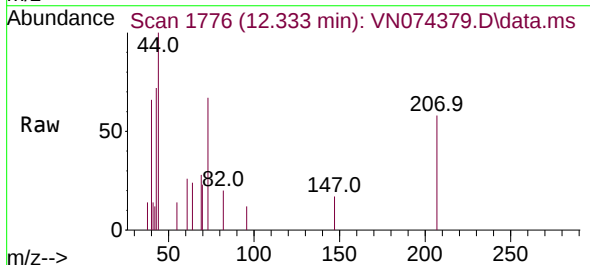
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

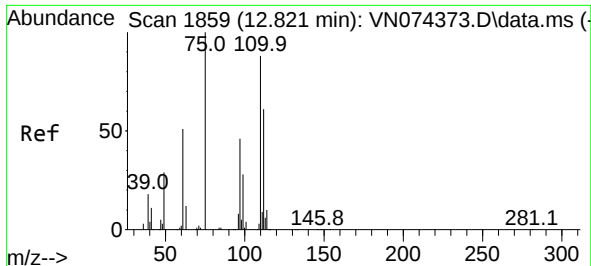
Tgt Ion:152 Resp: 279566
Ion Ratio Lower Upper
152 100
115 59.7 32.0 96.0
150 157.0 0.0 359.6



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.333 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 43 Resp: 1959
Ion Ratio Lower Upper
43 100
70 25.6 31.4 47.0#
55 14.3 17.0 25.6#
61 12.9 18.4 27.6#

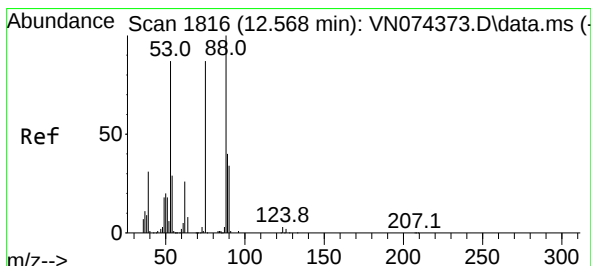
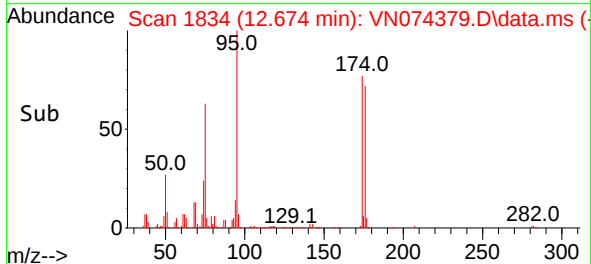
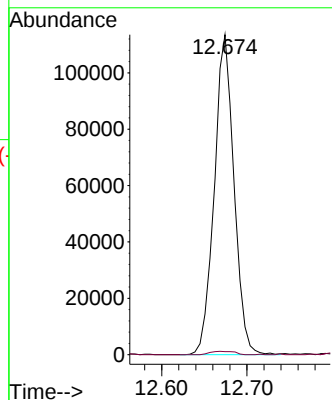
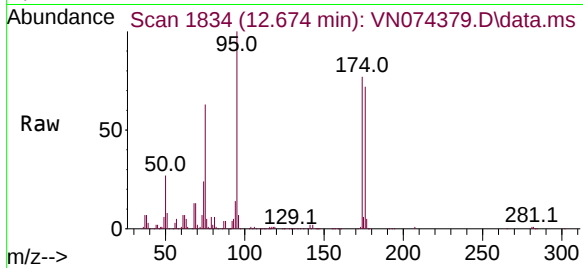




#76
1,2,3-Trichloropropane
Concen: 24.983 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

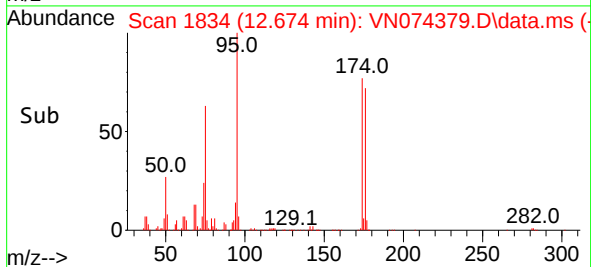
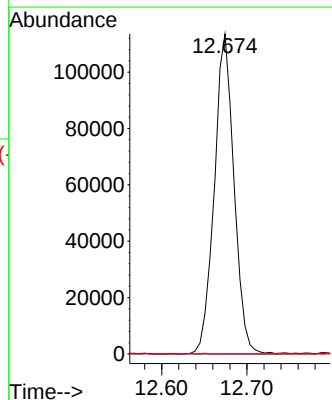
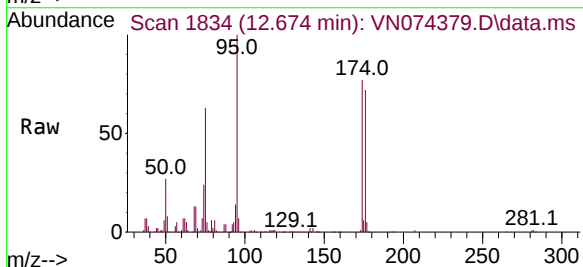
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

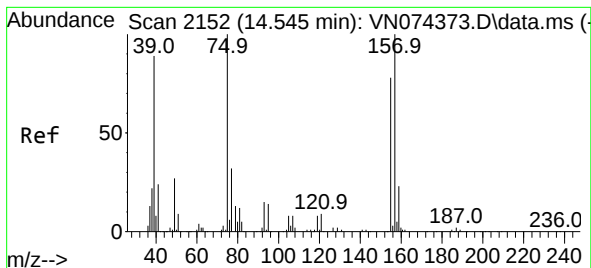
Tgt Ion: 75 Resp: 182587
Ion Ratio Lower Upper
75 100
77 1.3 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.687 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion: 75 Resp: 182587
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#

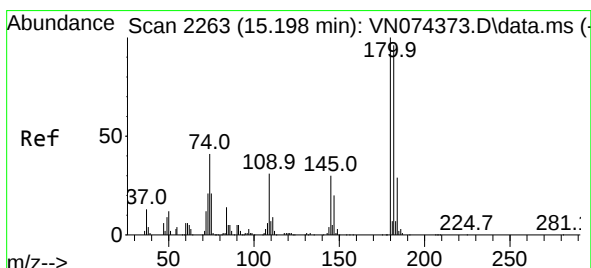
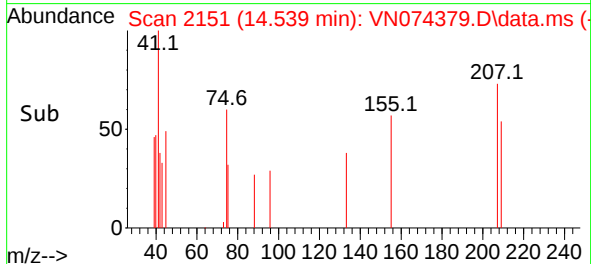
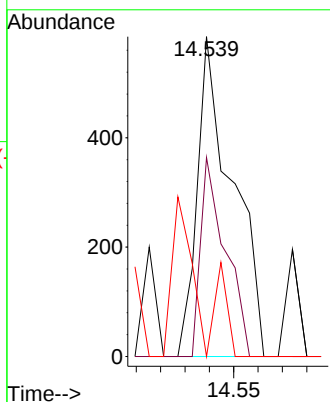
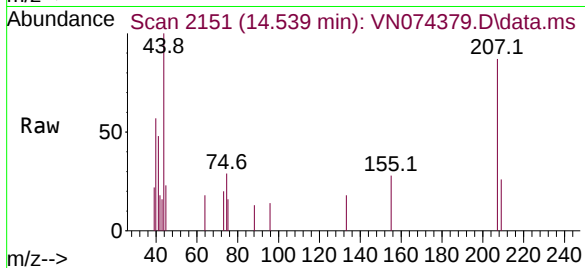




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.539 min Scan# 2151
Delta R.T. -0.006 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

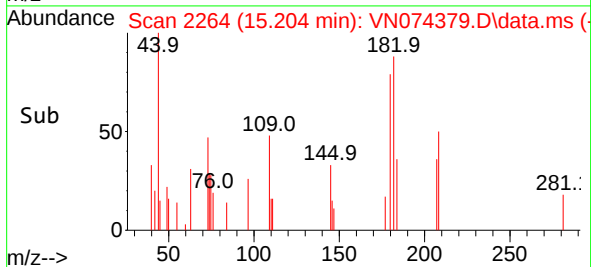
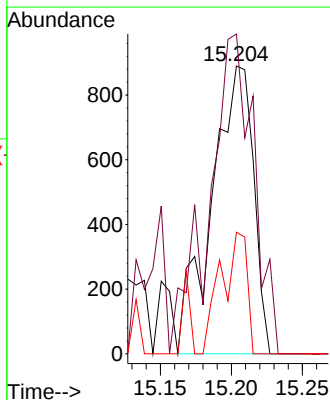
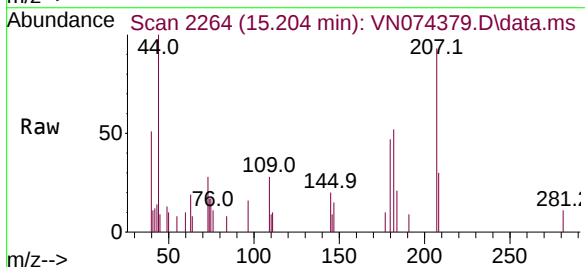
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBL01

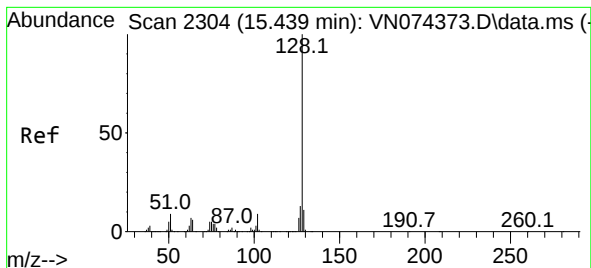
Tgt Ion: 75 Resp: 587
Ion Ratio Lower Upper
75 100
155 44.0 36.6 109.9
157 38.2 46.2 138.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.325 ug/l
RT: 15.204 min Scan# 2264
Delta R.T. 0.006 min
Lab File: VN074379.D
Acq: 09 Sep 2022 17:34

Tgt Ion:180 Resp: 1816
Ion Ratio Lower Upper
180 100
182 118.7 47.4 142.2
145 26.3 16.1 48.2





#95

Naphthalene

Concen: 0.682 ug/l

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN074379.D

Acq: 09 Sep 2022 17:34

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBL01

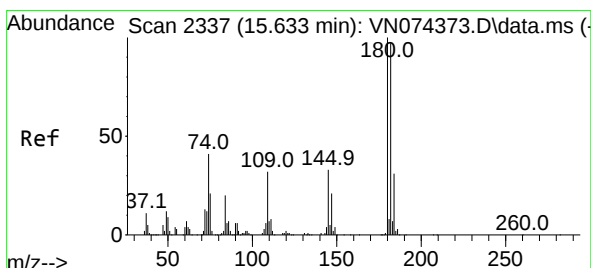
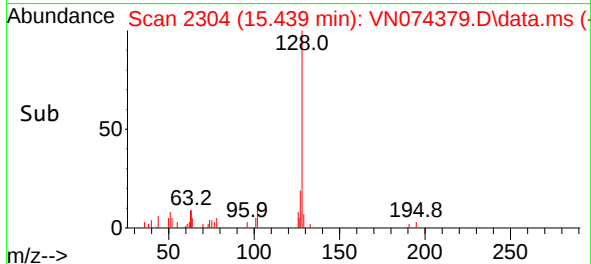
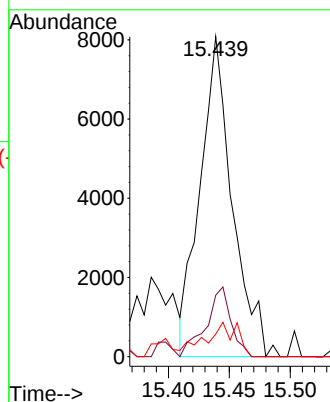
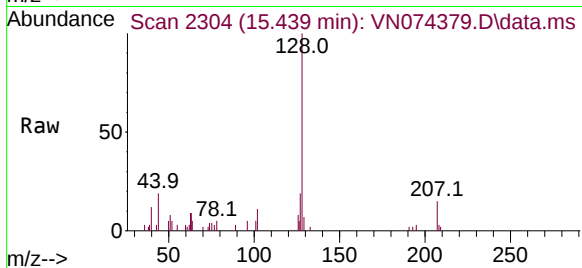
Tgt Ion:128 Resp: 14907

Ion Ratio Lower Upper

128 100

127 16.9 10.6 16.0#

129 10.5 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.584 ug/l

RT: 15.633 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VN074379.D

Acq: 09 Sep 2022 17:34

Tgt Ion:180 Resp: 3376

Ion Ratio Lower Upper

180 100

182 83.6 47.6 142.8

145 30.6 17.3 52.0

