

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074978.D
 Acq On : 24 Oct 2022 12:50
 Operator : JC\MD
 Sample : VN1024WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 06:38:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

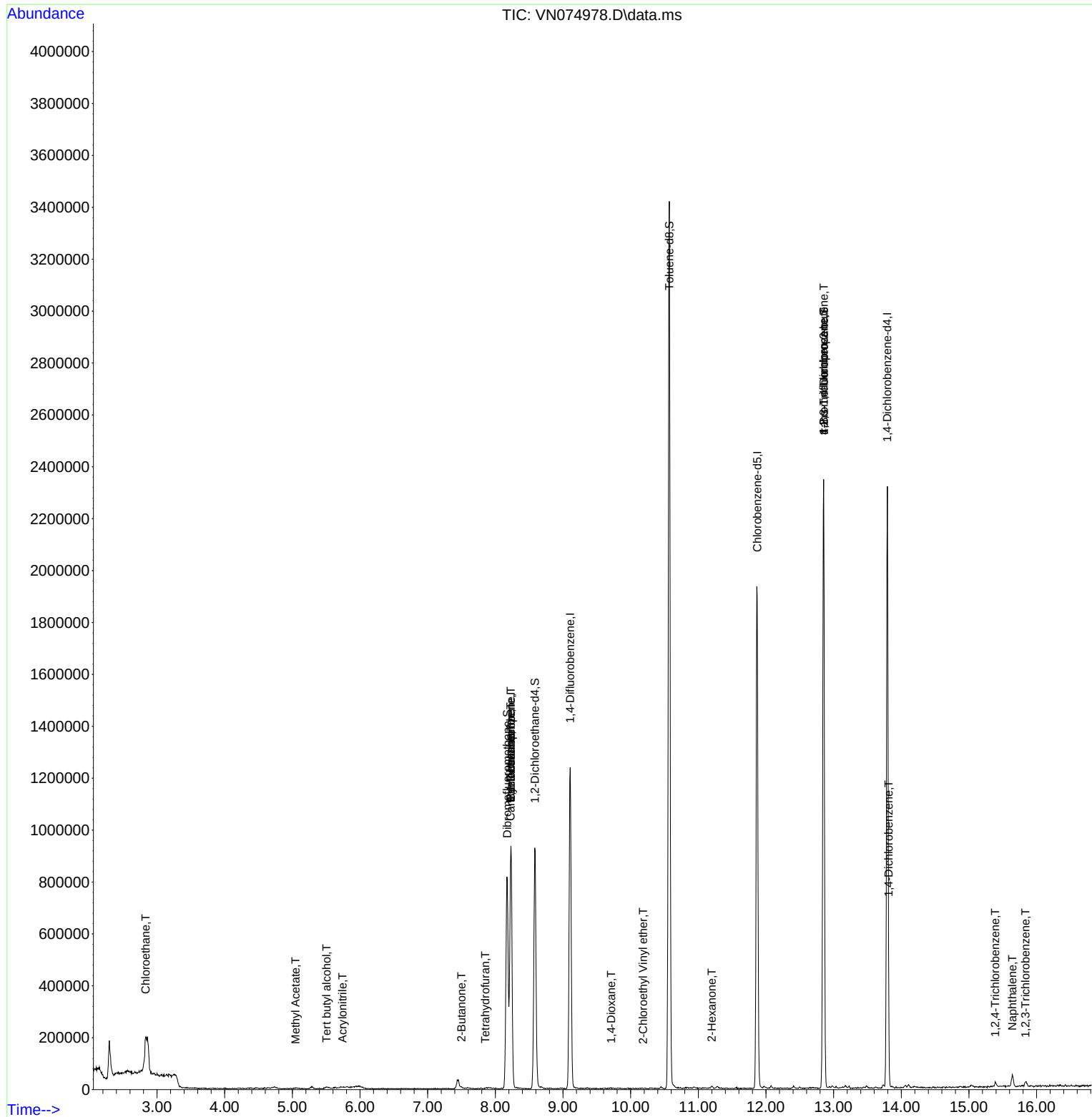
Internal Standards						
1) Pentafluorobenzene	8.230	168	652963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1095401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1110779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	583845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	750180	43.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.480%
35) Dibromofluoromethane	8.177	113	574680	44.077	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.160%
50) Toluene-d8	10.571	98	2379989	47.577	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.853	95	787958	44.655	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	3138	Below Cal	#	65
4) Vinyl Chloride	2.524	62	1887	Below Cal	#	71
5) Bromomethane	2.948	94	5183	Below Cal	#	70
6) Chloroethane	2.830	64	113410	7.586	ug/l #	49
7) Trichlorofluoromethane	3.495	101	160	Below Cal	#	18
9) 1,1,2-Trichlorotrifluo...	4.371	101	55	Below Cal	#	19
11) Tert butyl alcohol	5.506	59	6897	1.880	ug/l #	79
12) 1,1-Dichloroethene	4.342	96	573	Below Cal	#	27
13) Acrolein	4.201	56	1859	Below Cal	#	44
15) Acrylonitrile	5.742	53	2541	0.342	ug/l #	26
16) Acetone	4.453	43	1114	Below Cal	#	84
17) Carbon Disulfide	4.718	76	3200	Below Cal	#	74
18) Methyl Acetate	5.048	43	4464	0.203	ug/l #	71
20) Methylene Chloride	5.289	84	5532	Below Cal	#	63
21) trans-1,2-Dichloroethene	5.783	96	402	Below Cal		88
25) 2-Butanone	7.500	43	5869	0.555	ug/l #	82
29) Tetrahydrofuran	7.853	42	1642	0.252	ug/l #	34
31) Cyclohexane	8.230	56	21128	1.192	ug/l #	57
36) 1,1-Dichloropropene	8.230	75	56855	3.463	ug/l #	50
38) Carbon Tetrachloride	8.224	117	74805	4.185	ug/l #	16
49) 1,4-Dioxane	9.712	88	724	1.910	ug/l #	39
58) 2-Chloroethyl Vinyl ether	10.183	63	381	3.649	ug/l #	45
59) 2-Hexanone	11.200	43	5951	0.395	ug/l	78
76) 1,2,3-Trichloropropane	12.853	75	449266	28.375	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	449266	90.976	ug/l #	10
88) 1,4-Dichlorobenzene	13.812	146	5868	0.277	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.388	180	5230	0.560	ug/l	99
95) Naphthalene	15.641	128	40863	1.152	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	7447	0.793	ug/l	88

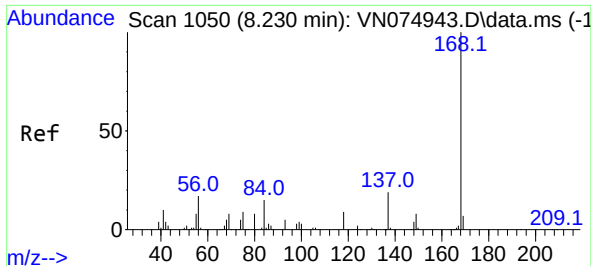
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
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QLast Update : Fri Oct 21 09:37:47 2022
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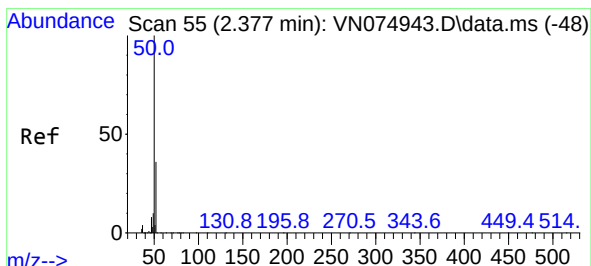
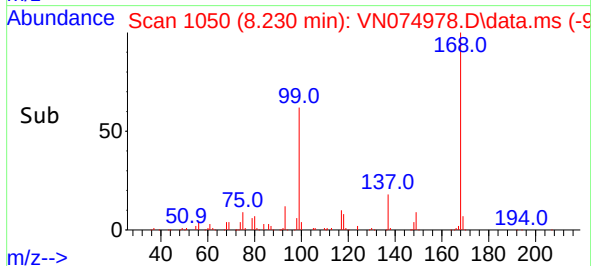
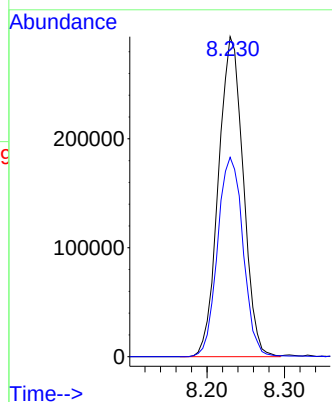
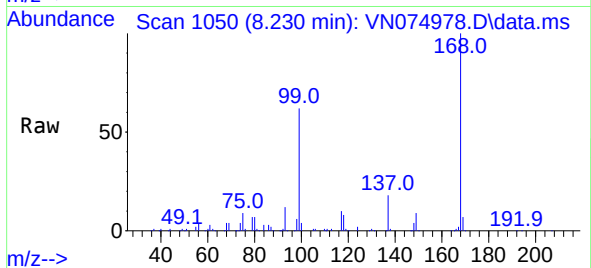




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

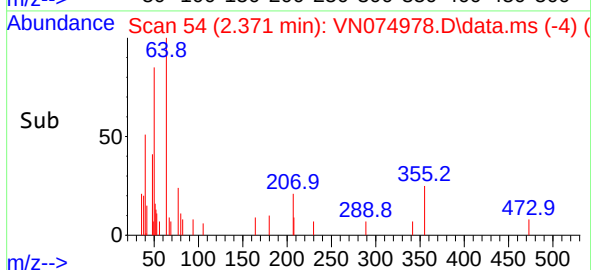
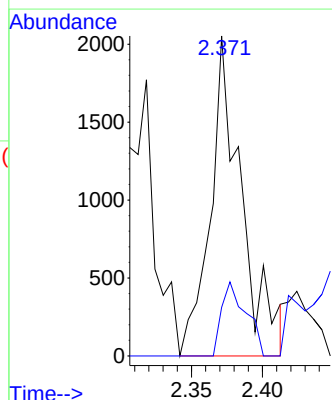
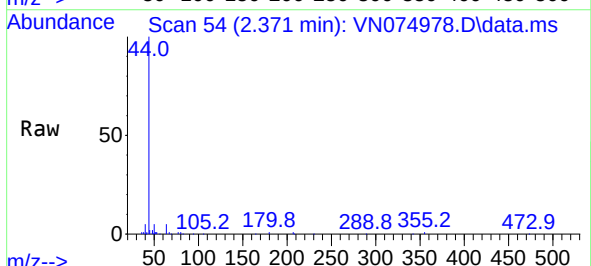
Instrument :
MSVOA_N
ClientSampleId :

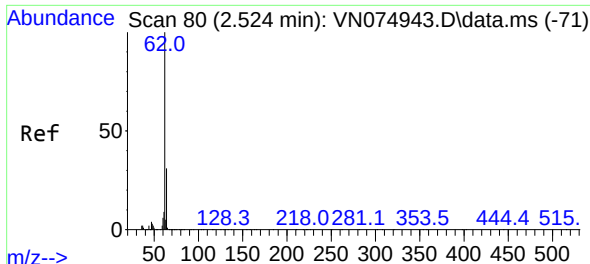
Tgt Ion:168 Resp: 652963
Ion Ratio Lower Upper
168 100
99 62.3 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Tgt Ion: 50 Resp: 3138
Ion Ratio Lower Upper
50 100
52 15.2 28.8 43.2#

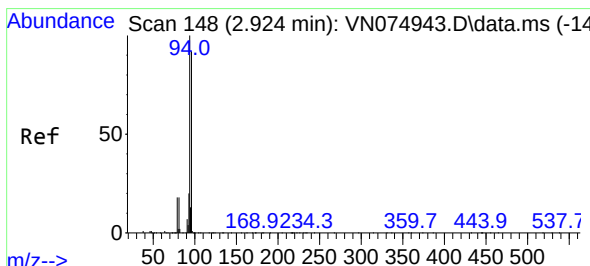
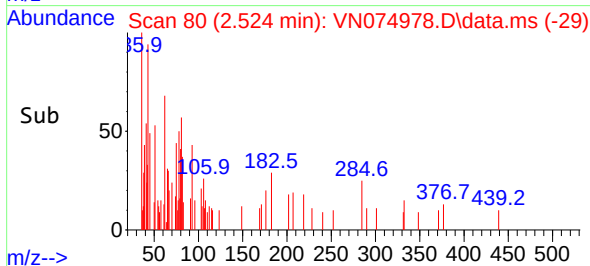
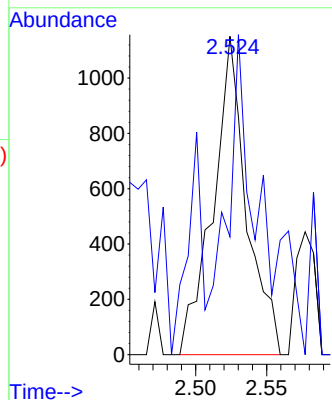
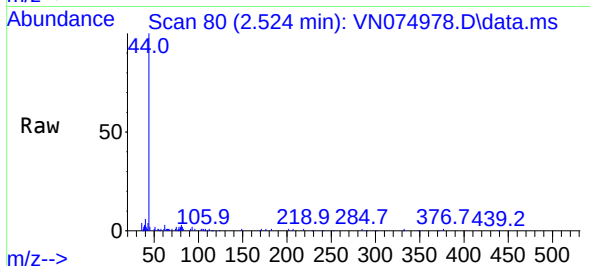




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.524 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VN074978.D
 Acq: 24 Oct 2022 12:50

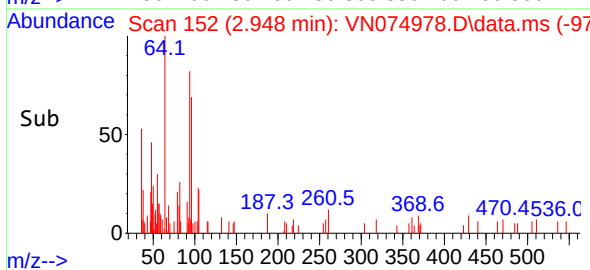
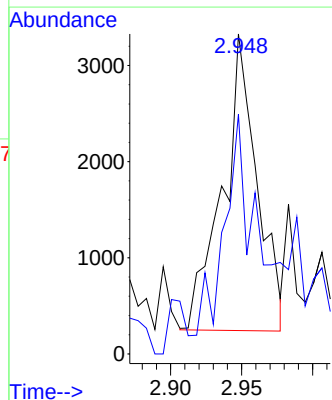
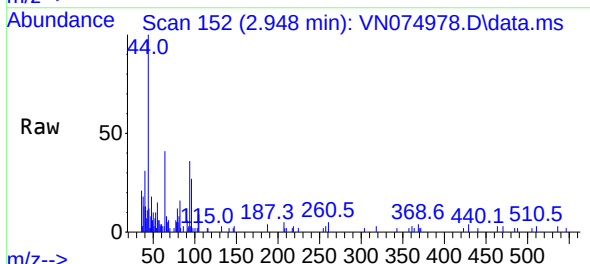
Instrument :
 MSVOA_N
 ClientSampleId :

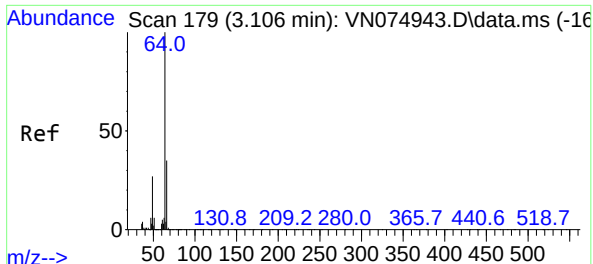
Tgt Ion: 62 Resp: 1887
 Ion Ratio Lower Upper
 62 100
 64 14.9 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.948 min Scan# 152
 Delta R.T. 0.024 min
 Lab File: VN074978.D
 Acq: 24 Oct 2022 12:50

Tgt Ion: 94 Resp: 5183
 Ion Ratio Lower Upper
 94 100
 96 63.5 73.5 110.3#

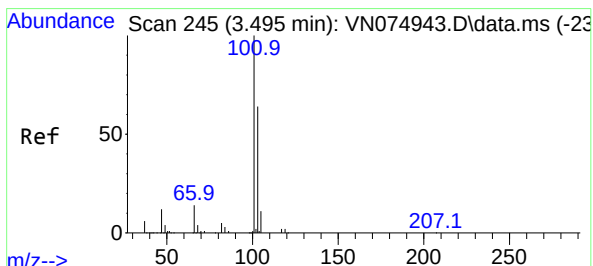
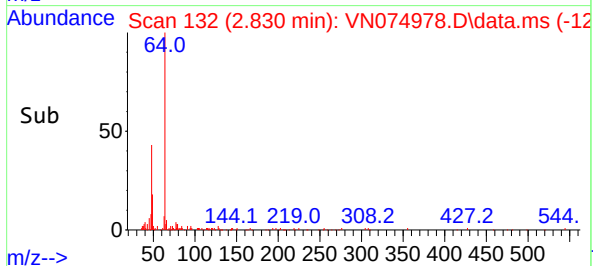
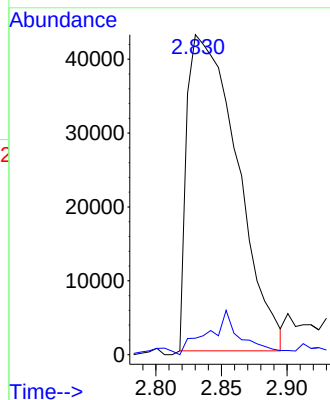
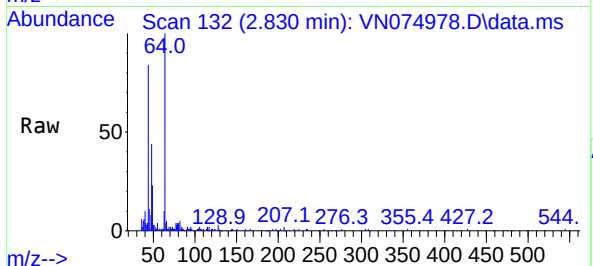




#6
Chloroethane
Concen: 7.586 ug/l
RT: 2.830 min Scan# 11
Delta R.T. -0.276 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

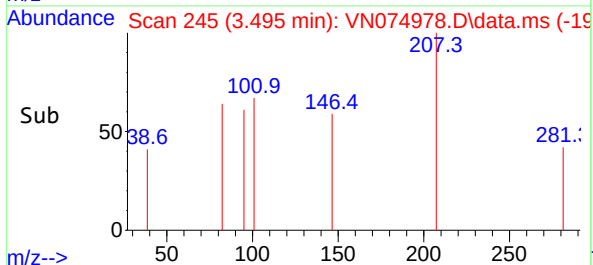
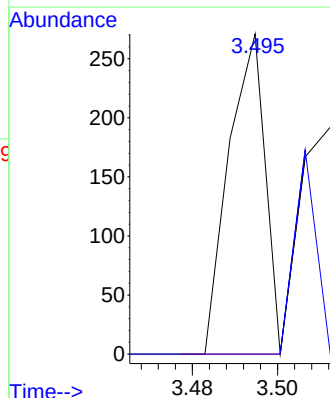
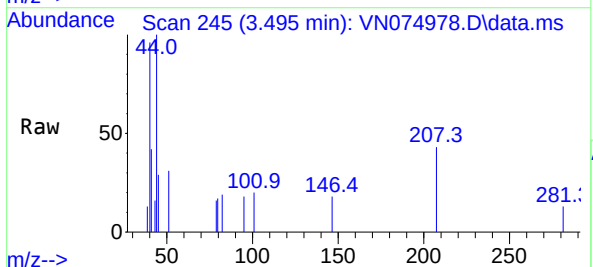
Instrument :
MSVOA_N
ClientSampleId :

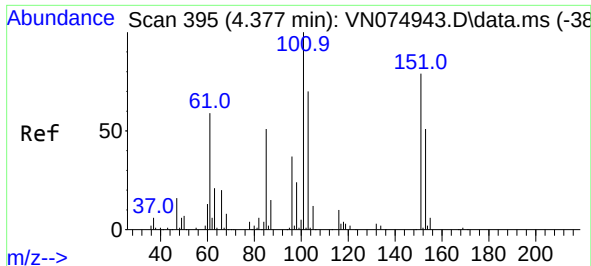
Tgt Ion: 64 Resp: 113410
Ion Ratio Lower Upper
64 100
66 5.2 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.495 min Scan# 245
Delta R.T. -0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Tgt Ion:101 Resp: 160
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#

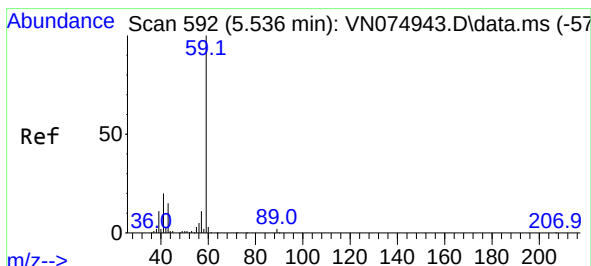
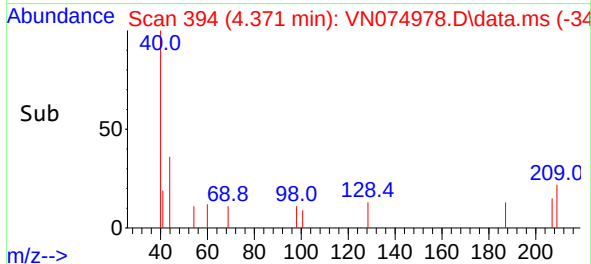
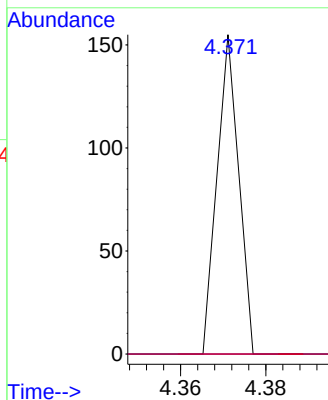
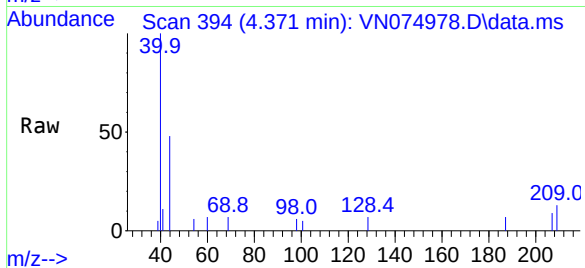




#9
1,1,2-Trichlorotrifluoroethane
Concen: Below Cal
RT: 4.371 min Scan# 39
Delta R.T. -0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

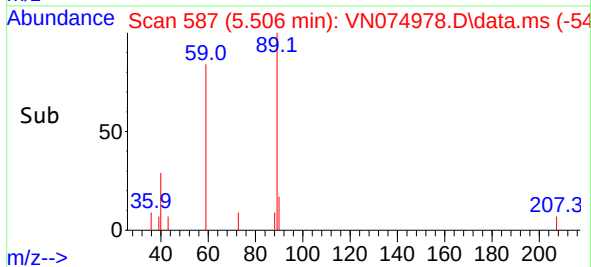
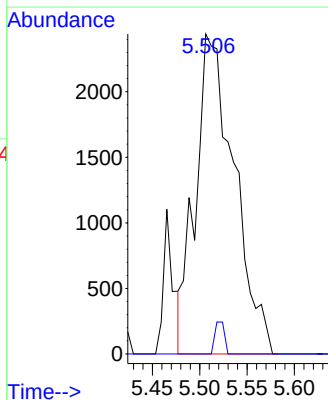
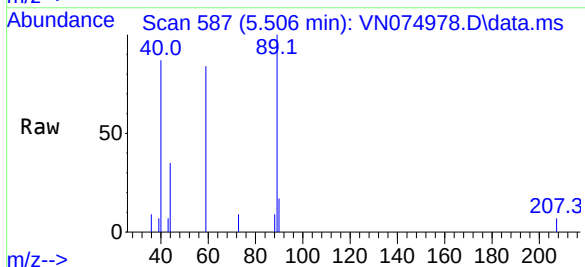
Instrument :
MSVOA_N
ClientSampleId :

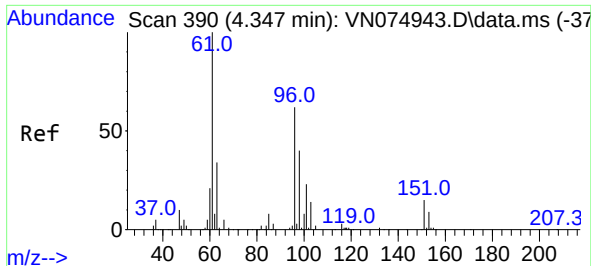
Tgt Ion:101 Resp: 55
Ion Ratio Lower Upper
101 100
85 0.0 37.8 56.8#
151 0.0 58.5 87.7#



#11
Tert butyl alcohol
Concen: 1.880 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.029 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Tgt Ion: 59 Resp: 6897
Ion Ratio Lower Upper
59 100
57 2.5 8.2 12.4#





#12

1,1-Dichloroethene

Concen: Below Cal

RT: 4.342 min Scan# 31

Delta R.T. -0.005 min

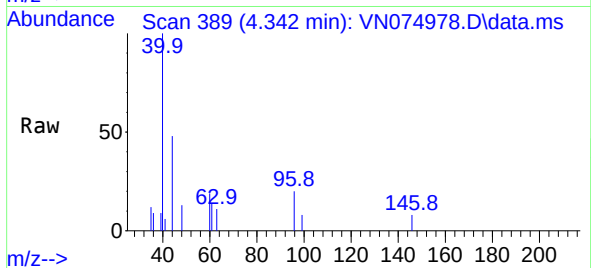
Lab File: VN074978.D

Acq: 24 Oct 2022 12:50

Instrument :

MSVOA_N

ClientSampleId :



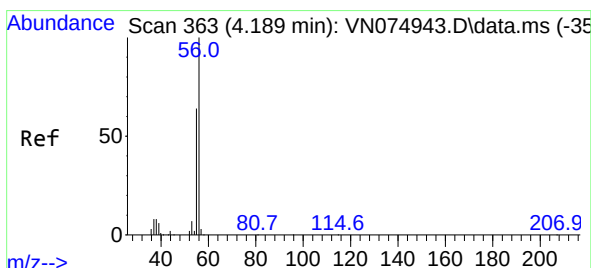
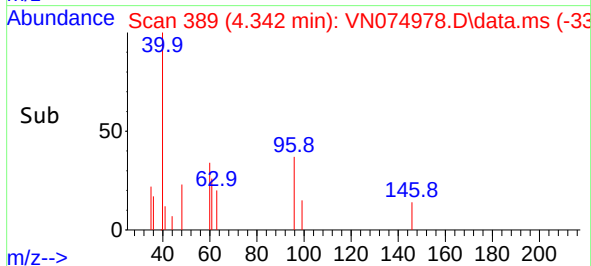
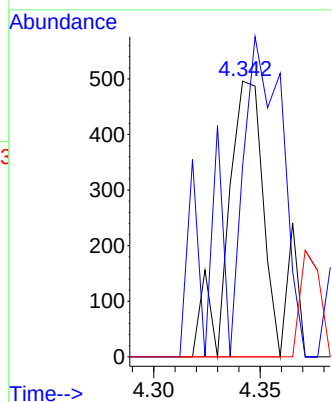
Tgt Ion: 96 Resp: 573

Ion Ratio Lower Upper

96 100

61 69.2 128.9 193.3#

98 0.0 51.8 77.8#



#13

Acrolein

Concen: Below Cal

RT: 4.201 min Scan# 365

Delta R.T. 0.012 min

Lab File: VN074978.D

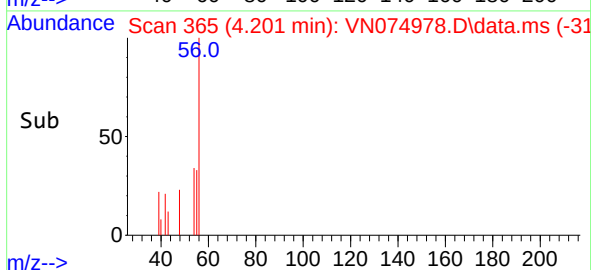
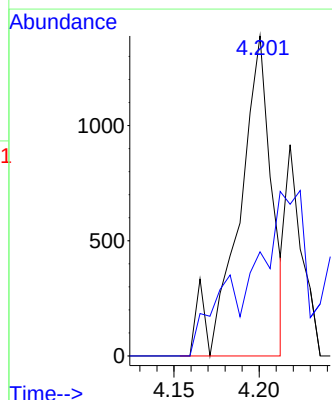
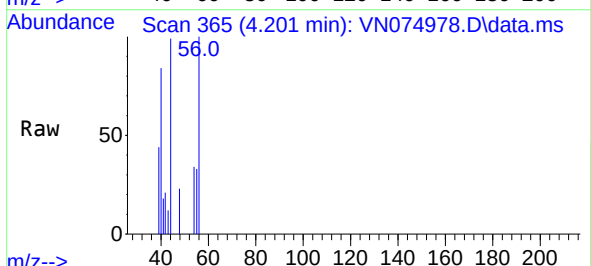
Acq: 24 Oct 2022 12:50

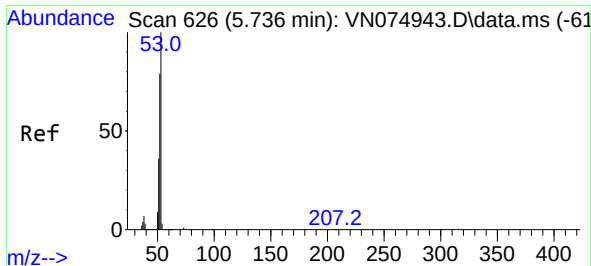
Tgt Ion: 56 Resp: 1859

Ion Ratio Lower Upper

56 100

55 22.1 53.7 80.5#

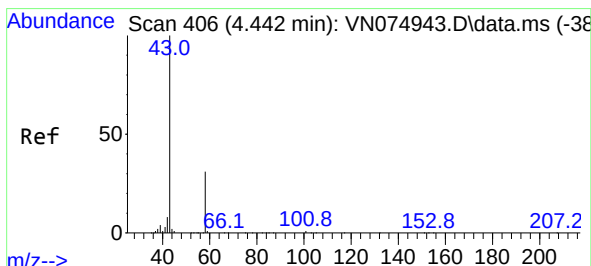
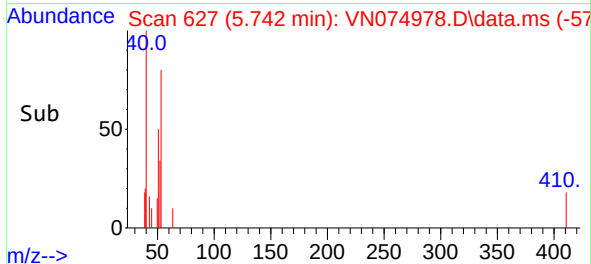
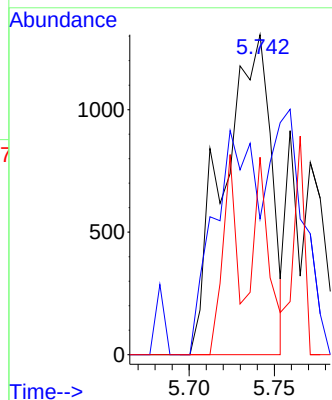
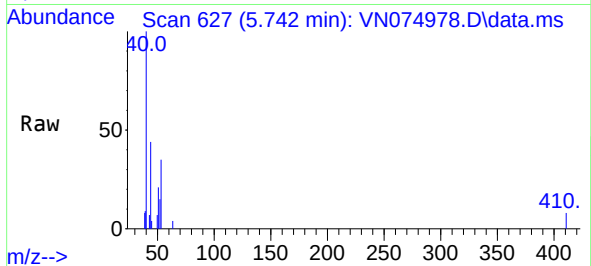




#15
Acrylonitrile
Concen: 0.342 ug/l
RT: 5.742 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

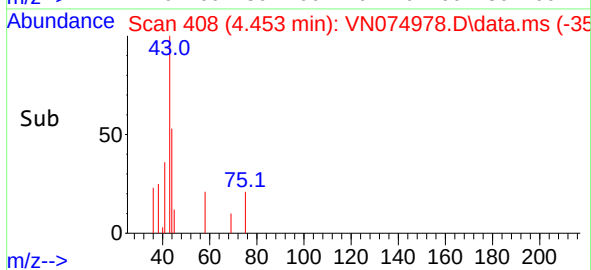
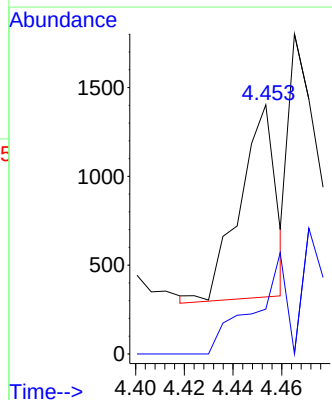
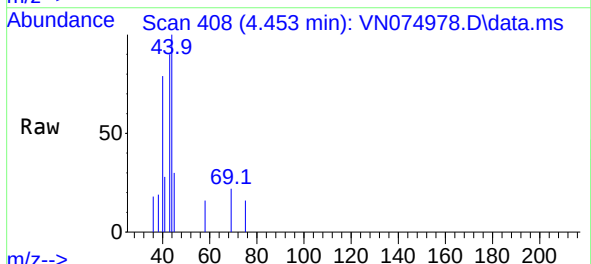
Instrument :
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ClientSampleId :

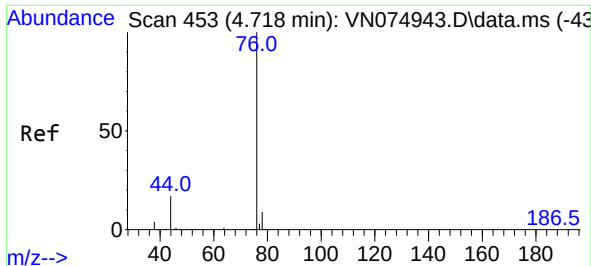
Tgt Ion: 53 Resp: 2541
Ion Ratio Lower Upper
53 100
52 0.0 66.7 100.1#
51 17.9 28.8 43.2#



#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
58 23.4 25.7 38.5#

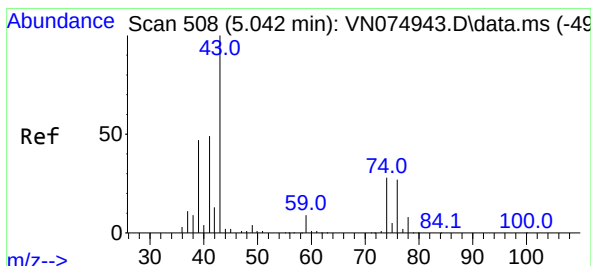
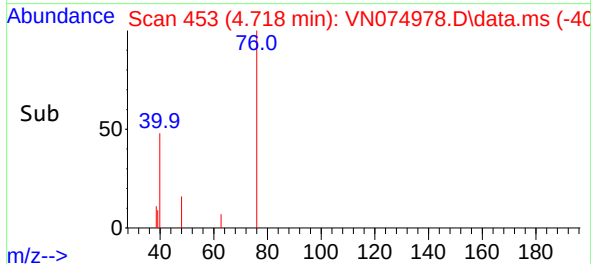
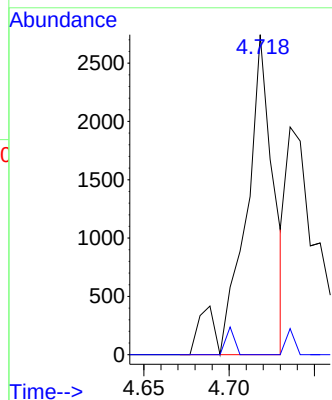
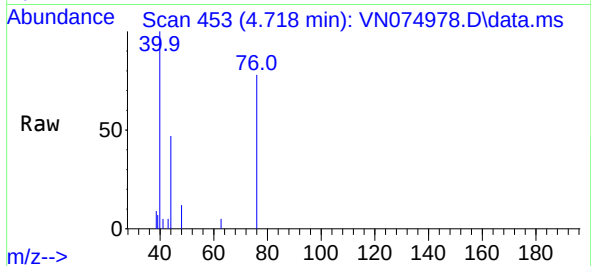




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.718 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

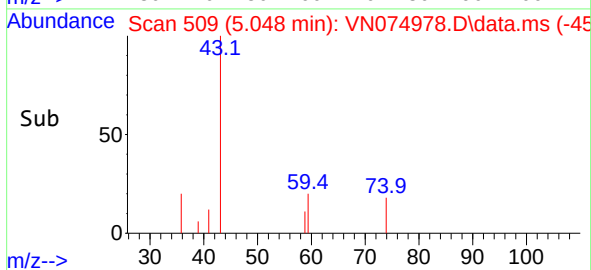
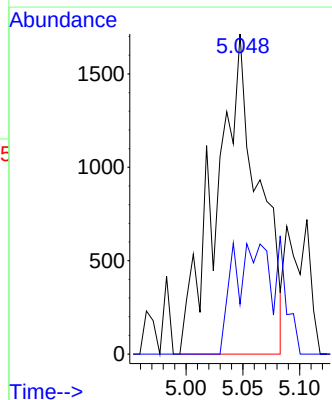
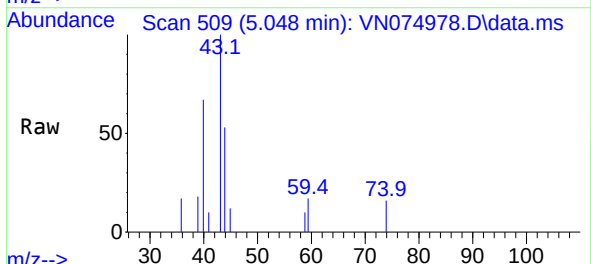
Instrument :
MSVOA_N
ClientSampleId :

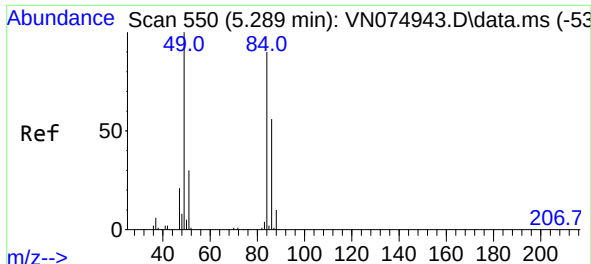
Tgt Ion: 76 Resp: 3200
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

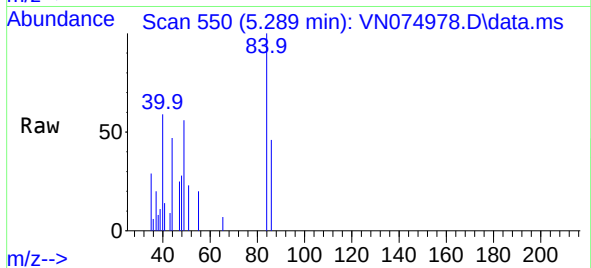
Tgt Ion: 43 Resp: 4464
Ion Ratio Lower Upper
43 100
74 13.2 23.1 34.7#





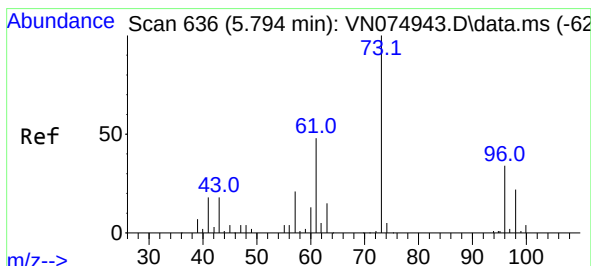
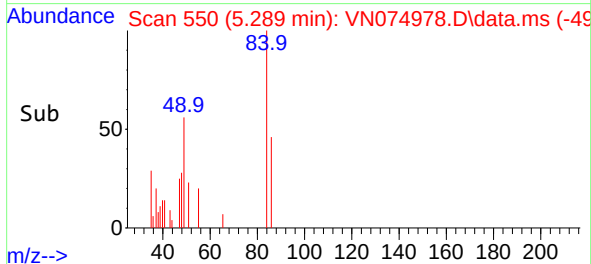
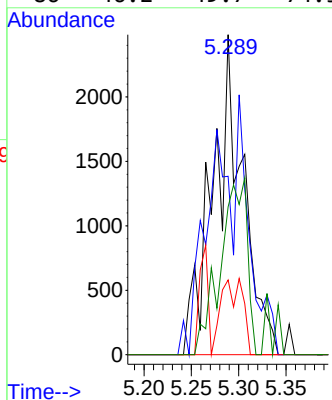
#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 5532

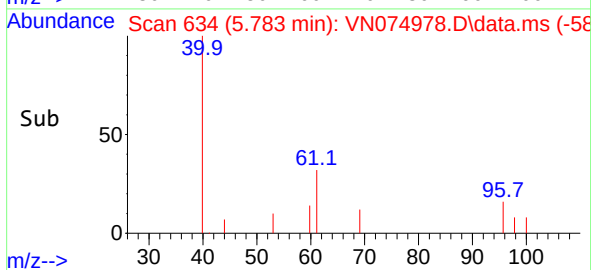
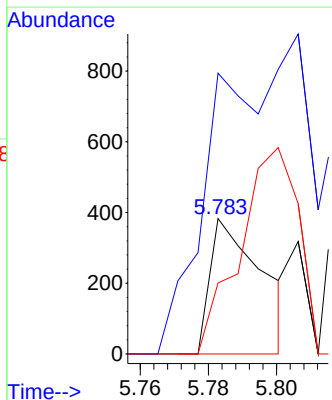
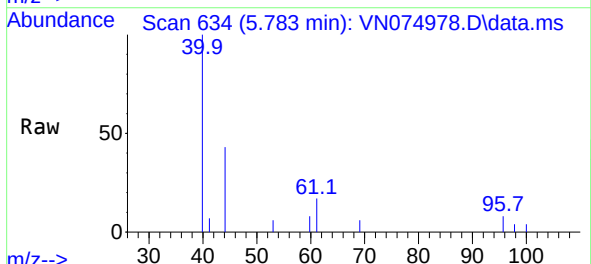
Ion	Ratio	Lower	Upper
84	100		
49	55.7	88.6	133.0#
51	23.4	26.7	40.1#
86	46.2	49.7	74.5#

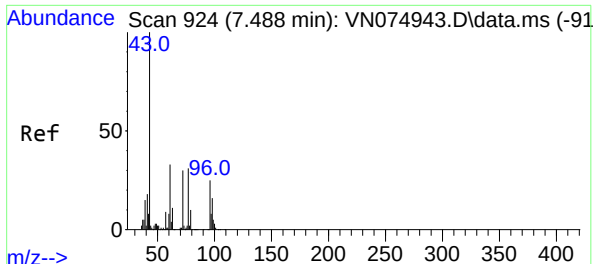


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.783 min Scan# 634
Delta R.T. -0.011 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Tgt Ion: 96 Resp: 402

Ion	Ratio	Lower	Upper
96	100		
61	153.3	112.6	169.0
98	52.5	52.4	78.6

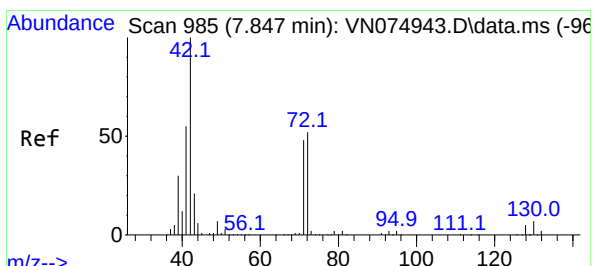
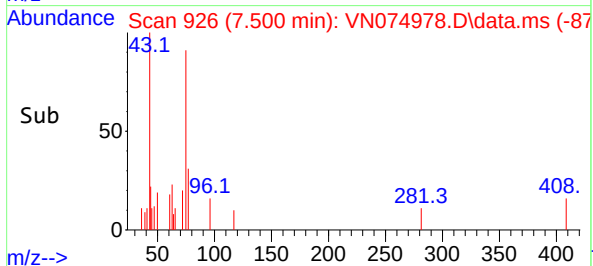
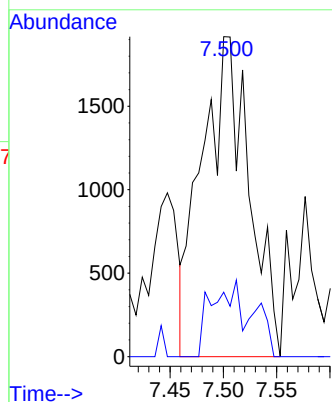
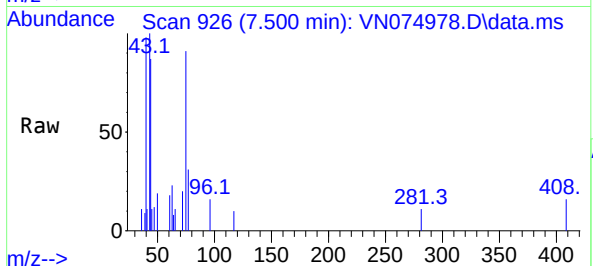




#25
2-Butanone
Concen: 0.555 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

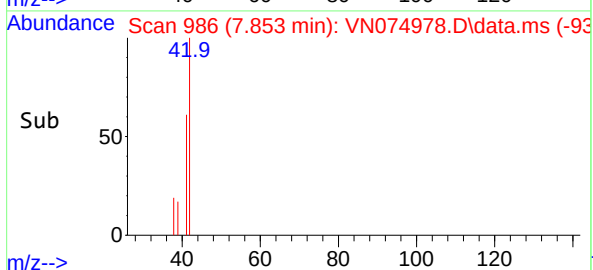
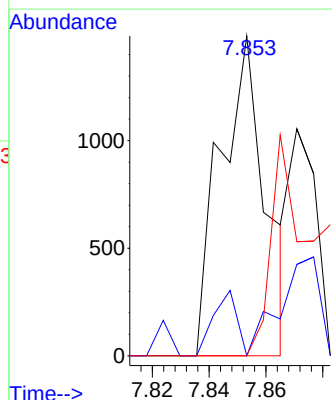
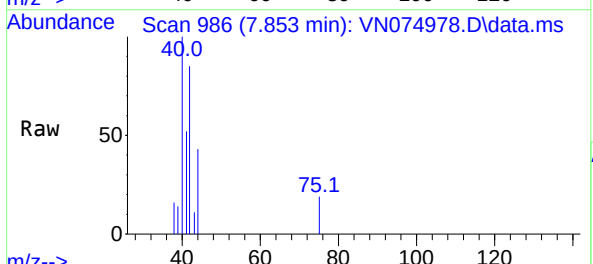
Instrument :
MSVOA_N
ClientSampleId :

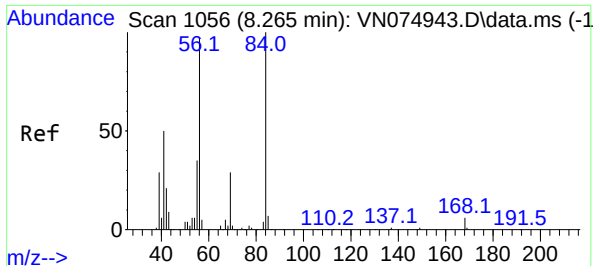
Tgt Ion: 43 Resp: 5869
Ion Ratio Lower Upper
43 100
72 20.1 23.9 35.9#



#29
Tetrahydrofuran
Concen: 0.252 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

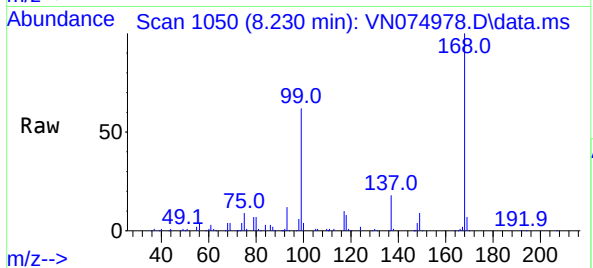
Tgt Ion: 42 Resp: 1642
Ion Ratio Lower Upper
42 100
72 10.6 42.2 63.4#
71 0.0 39.4 59.2#



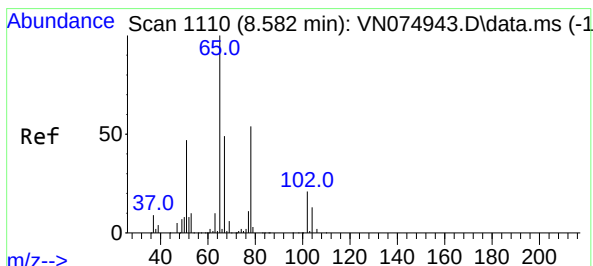
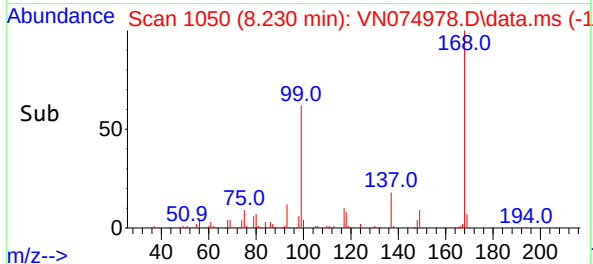
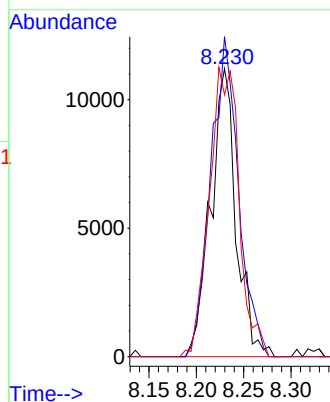


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.230 min Scan# 1056
Delta R.T. -0.035 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Instrument :
MSVOA_N
ClientSampleId :

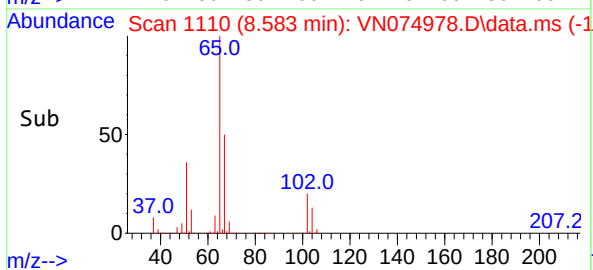
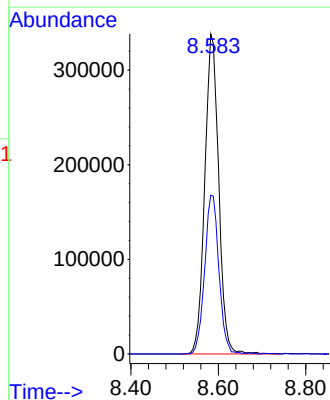
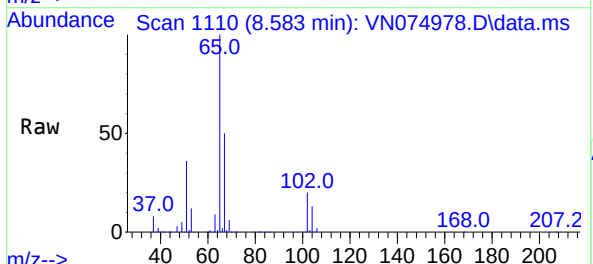


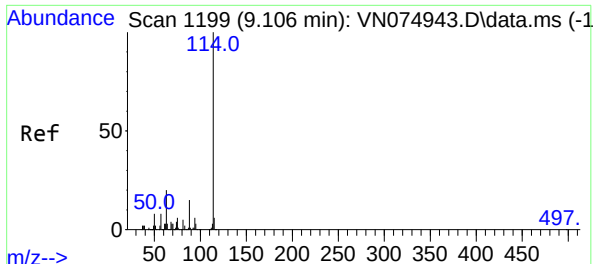
Tgt Ion: 56 Resp: 21128
Ion Ratio Lower Upper
56 100
69 111.1 24.2 36.2#
84 90.9 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 43.241 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

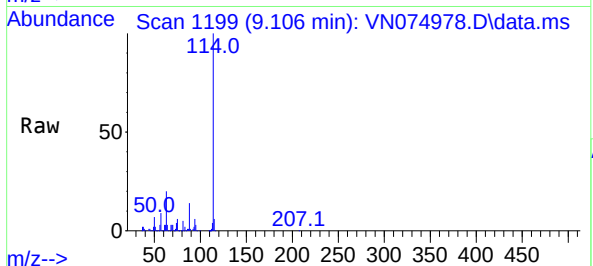
Tgt Ion: 65 Resp: 750180
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.6



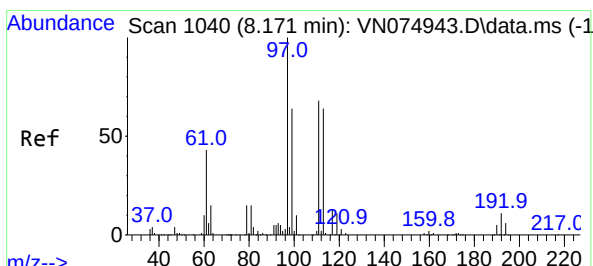
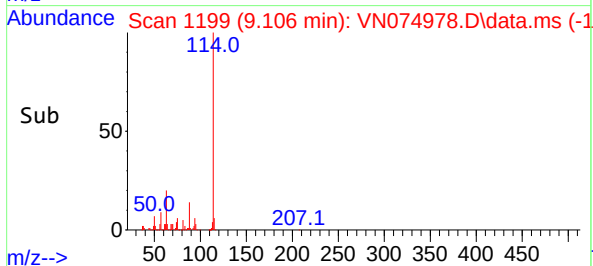
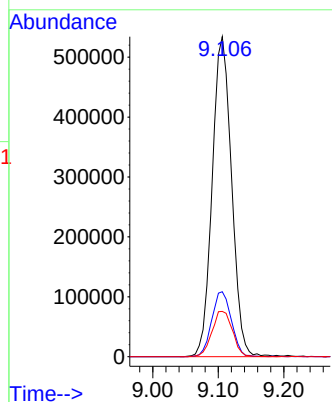


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Instrument :
MSVOA_N
ClientSampleId :

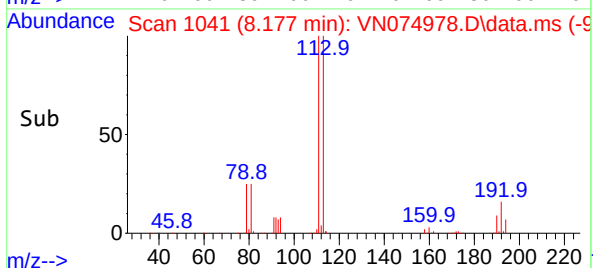
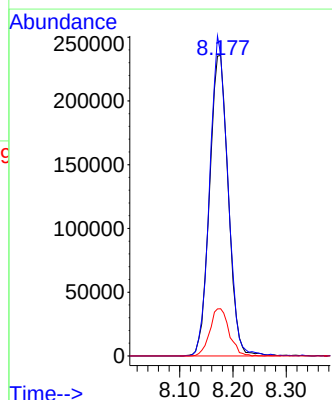
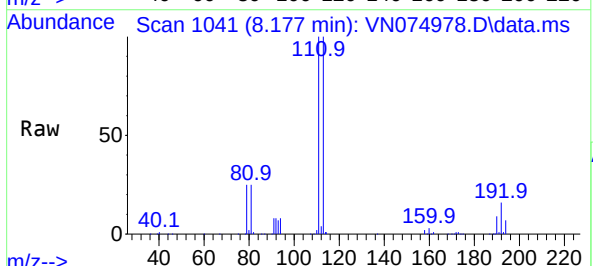


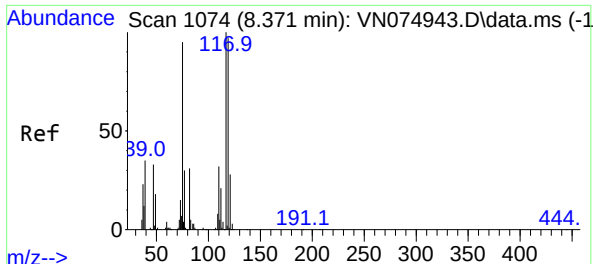
Tgt Ion:114 Resp: 1095401
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.8
88 14.1 0.0 30.4



#35
Dibromofluoromethane
Concen: 44.077 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Tgt Ion:113 Resp: 574680
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.2
192 16.1 13.3 19.9





#36

1,1-Dichloropropene

Concen: 3.463 ug/l

RT: 8.230 min Scan# 1049

Delta R.T. -0.141 min

Lab File: VN074978.D

Acq: 24 Oct 2022 12:50

Instrument :

MSVOA_N

ClientSampleId :

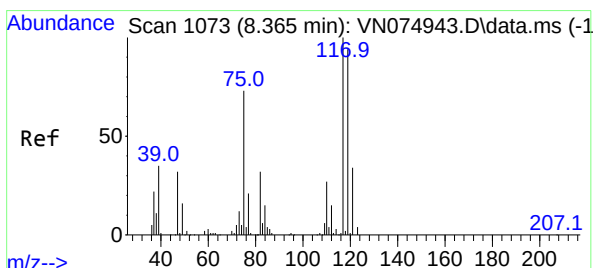
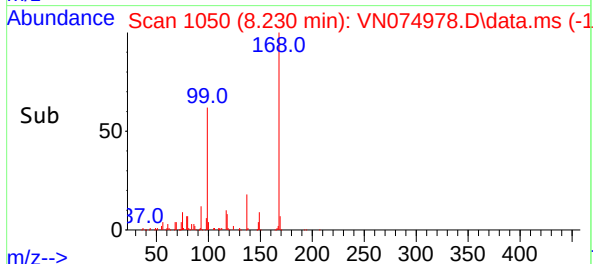
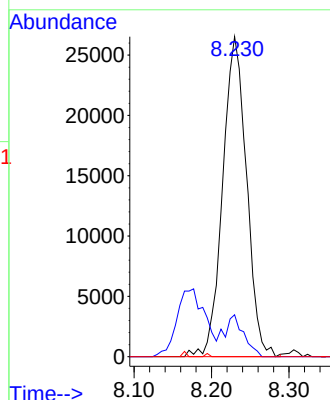
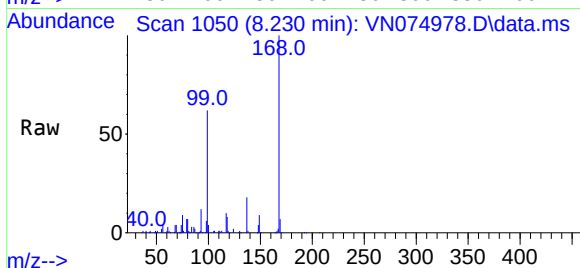
Tgt Ion: 75 Resp: 56855

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.185 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.141 min

Lab File: VN074978.D

Acq: 24 Oct 2022 12:50

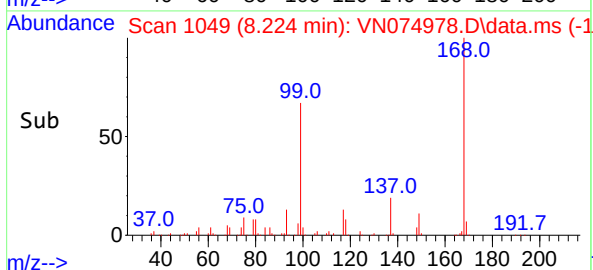
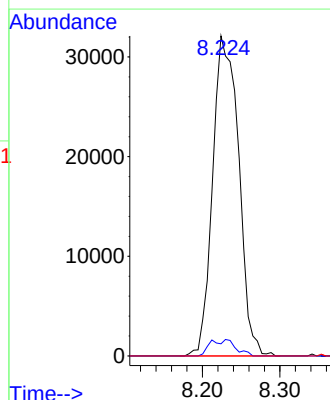
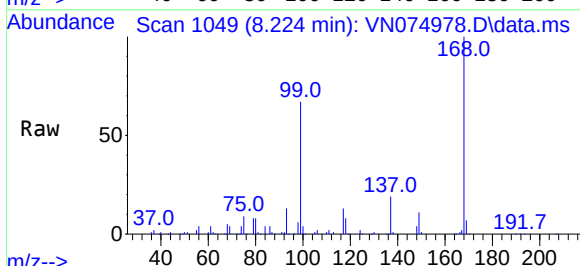
Tgt Ion: 117 Resp: 74805

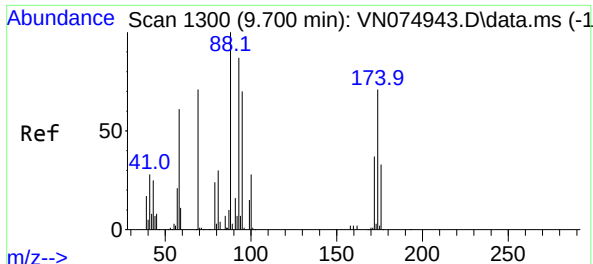
Ion Ratio Lower Upper

117 100

119 3.8 75.2 112.8#

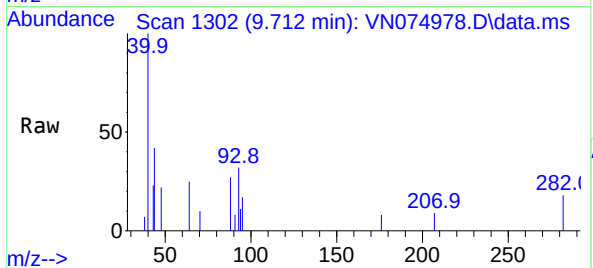
121 0.0 27.0 40.6#



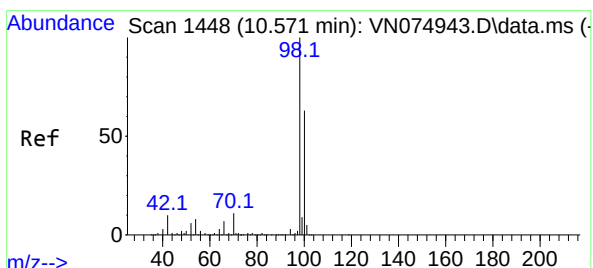
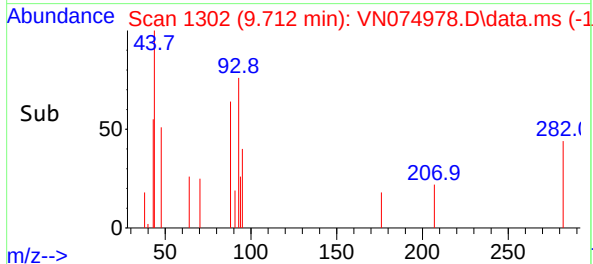
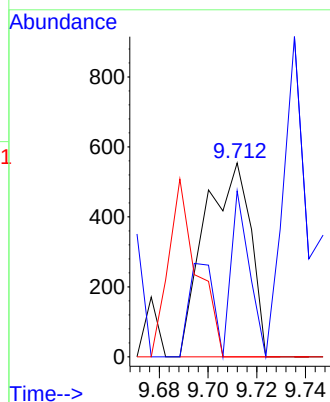


#49
1,4-Dioxane
Concen: 1.910 ug/l
RT: 9.712 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Instrument :
MSVOA_N
ClientSampleId :

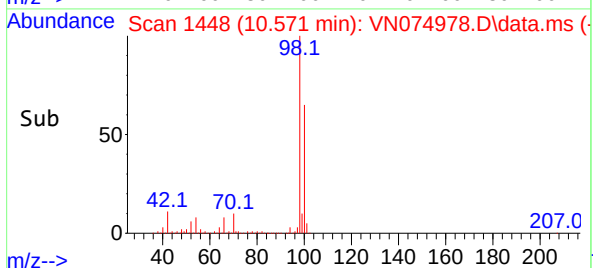
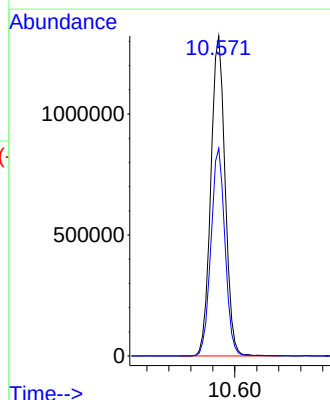
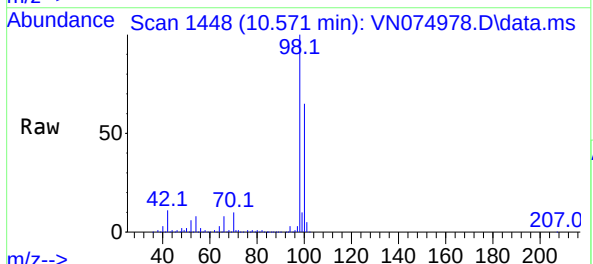


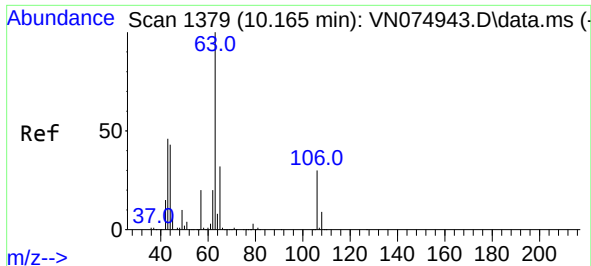
Tgt Ion: 88 Resp: 724
Ion Ratio Lower Upper
88 100
43 33.7 21.1 31.7#
58 0.0 49.8 74.8#



#50
Toluene-d8
Concen: 47.577 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Tgt Ion: 98 Resp: 2379989
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.2

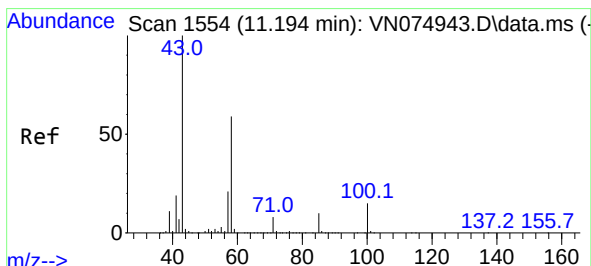
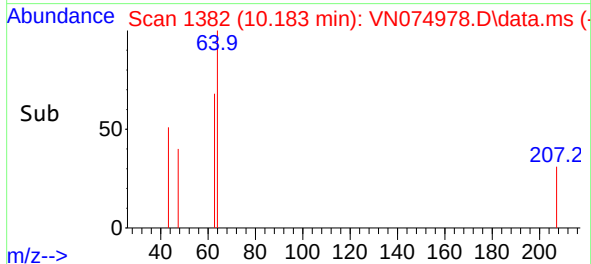
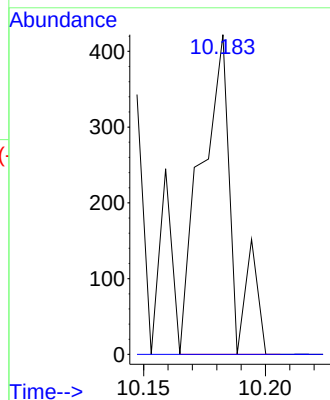
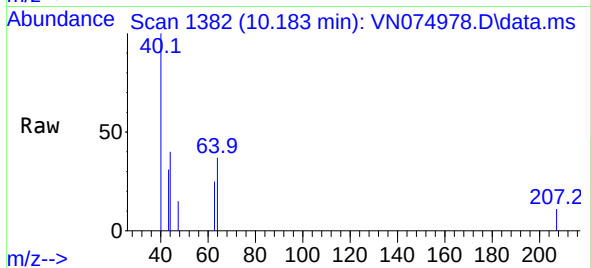




#58
2-Chloroethyl Vinyl ether
Concen: 3.649 ug/l
RT: 10.183 min Scan# 1382
Delta R.T. 0.018 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

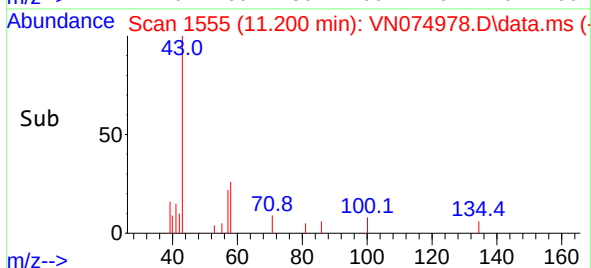
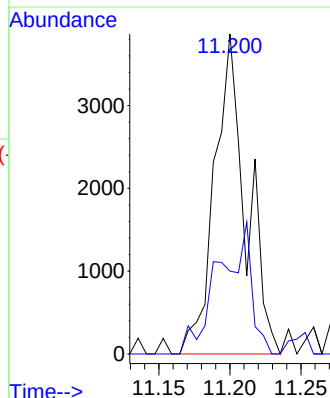
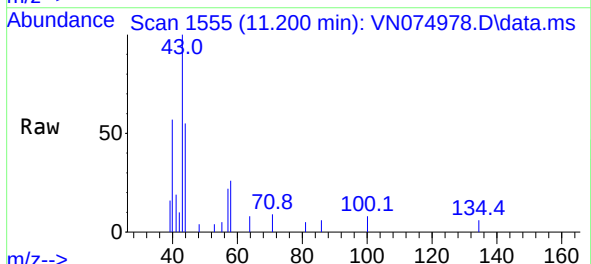
Instrument :
MSVOA_N
ClientSampleId :

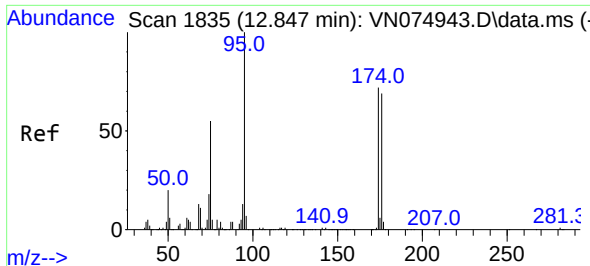
Tgt Ion: 63 Resp: 381
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#



#59
2-Hexanone
Concen: 0.395 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Tgt Ion: 43 Resp: 5951
Ion Ratio Lower Upper
43 100
58 42.7 29.5 88.5

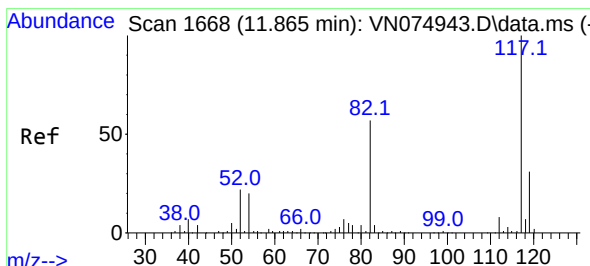
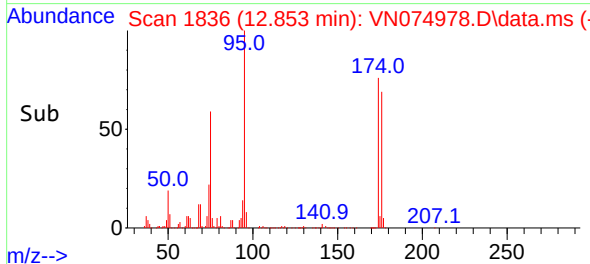
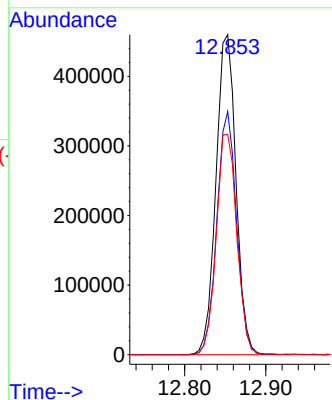
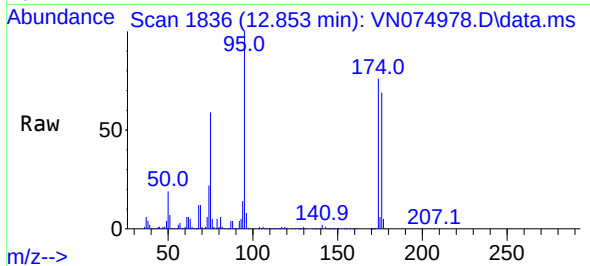




#62
4-Bromofluorobenzene
Concen: 44.655 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

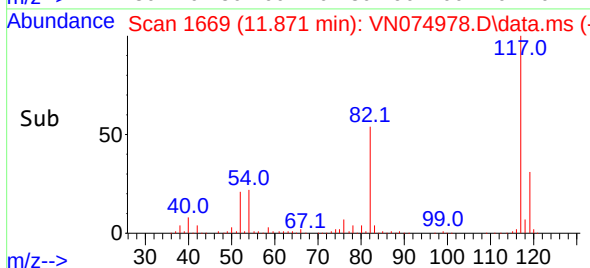
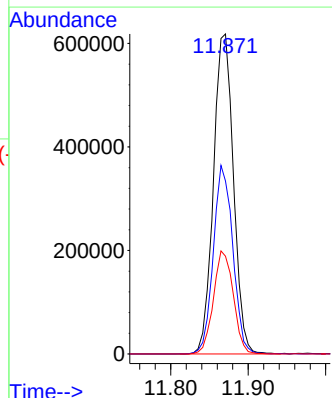
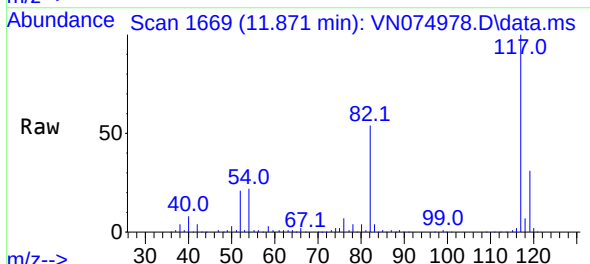
Instrument :
MSVOA_N
ClientSampleId :

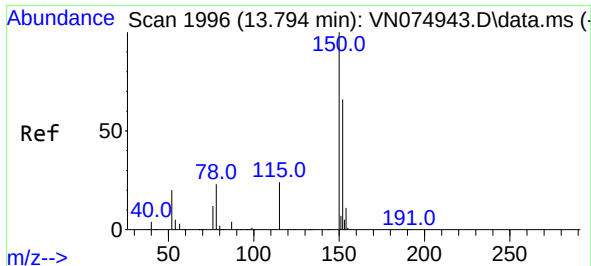
Tgt Ion: 95 Resp: 787958
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.0
176 70.7 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

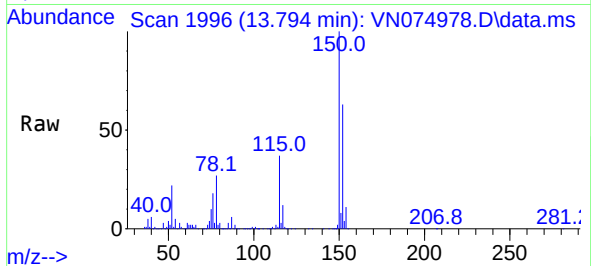
Tgt Ion: 117 Resp: 1110779
Ion Ratio Lower Upper
117 100
82 54.0 45.6 68.4
119 30.5 25.1 37.7



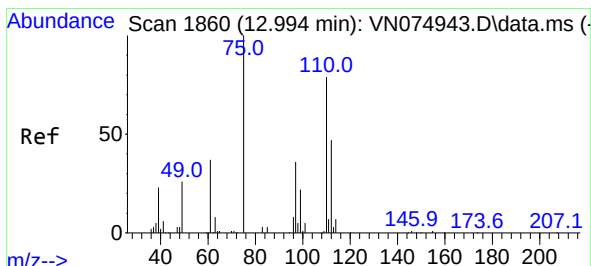
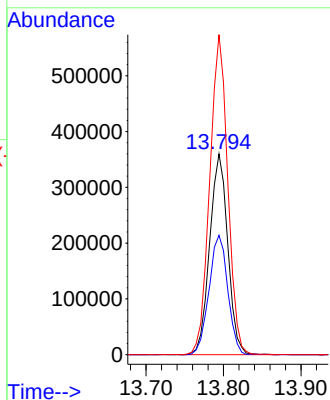
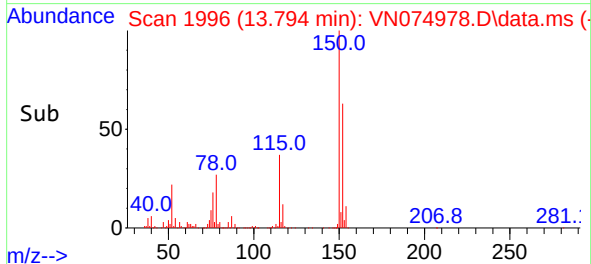


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Instrument :
MSVOA_N
ClientSampleId :

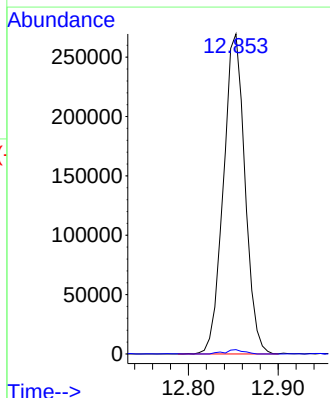
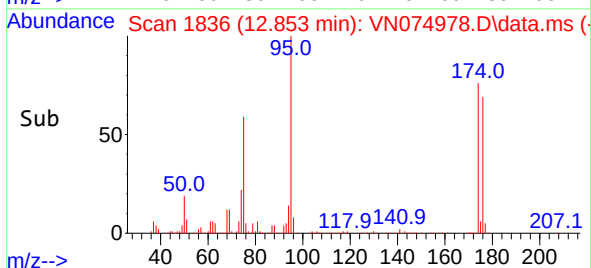
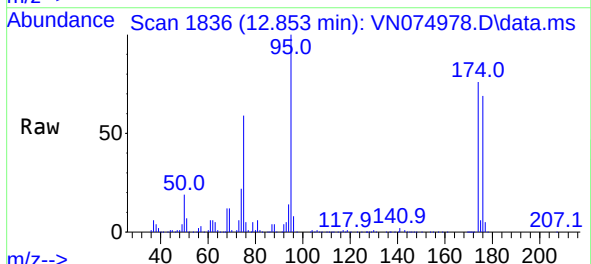


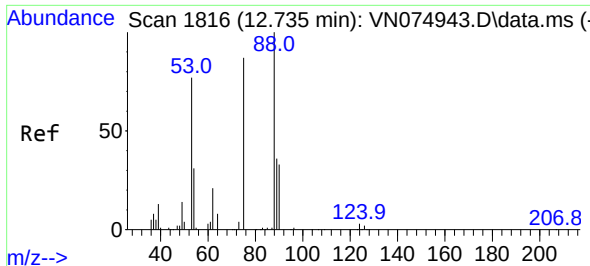
Tgt Ion:152 Resp: 583845
Ion Ratio Lower Upper
152 100
115 61.7 31.3 93.8
150 158.5 0.0 349.6



#76
1,2,3-Trichloropropane
Concen: 28.375 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

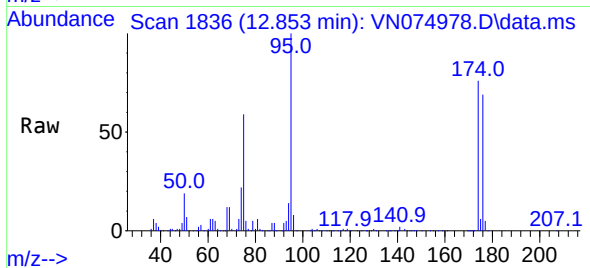
Tgt Ion: 75 Resp: 449266
Ion Ratio Lower Upper
75 100
77 1.2 81.0 243.0#



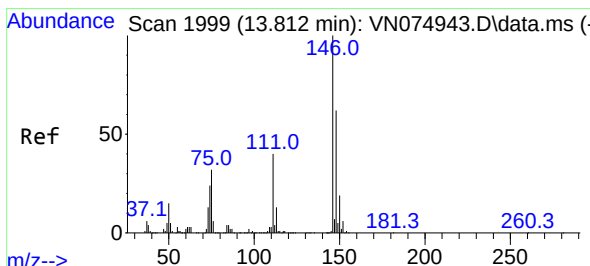
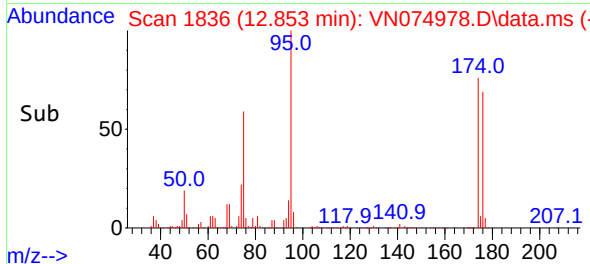
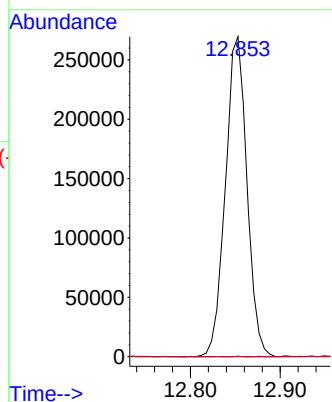


#81
trans-1,4-Dichloro-2-butene
Concen: 90.976 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

Instrument :
MSVOA_N
ClientSampleId :

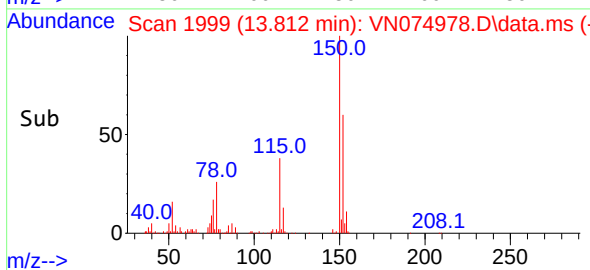
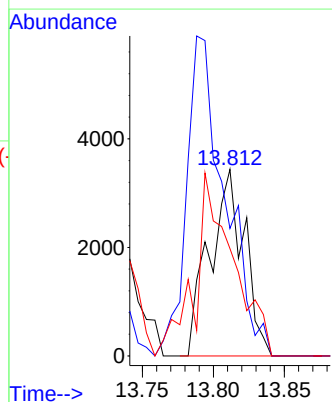
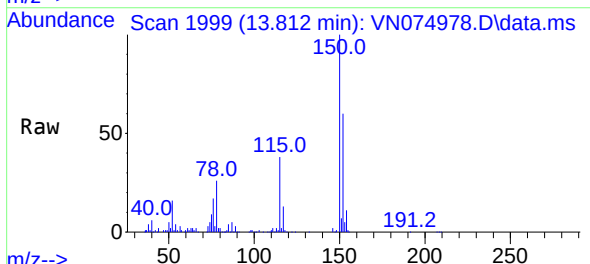


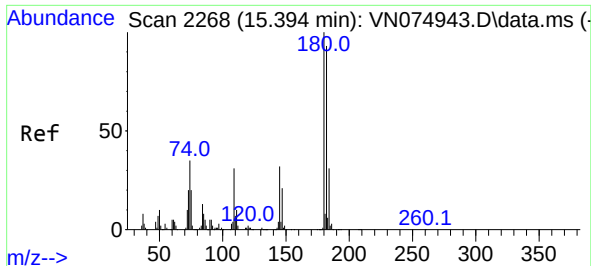
Tgt Ion: 75 Resp: 449266
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: 0.277 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

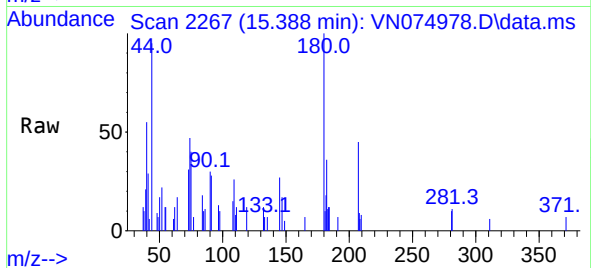
Tgt Ion: 146 Resp: 5868
Ion Ratio Lower Upper
146 100
111 0.0 20.3 61.0#
148 0.0 32.3 96.9#



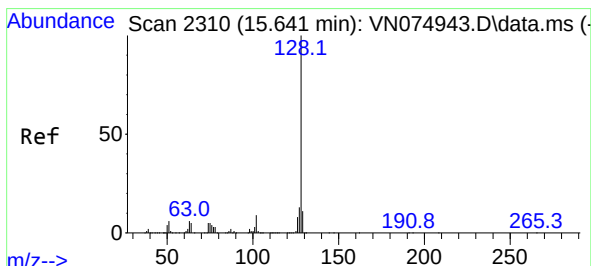
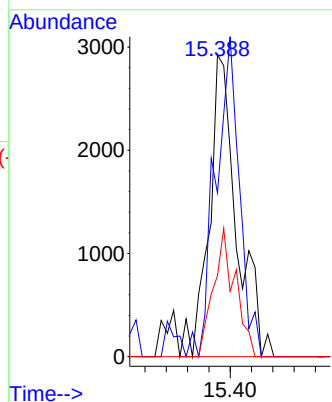
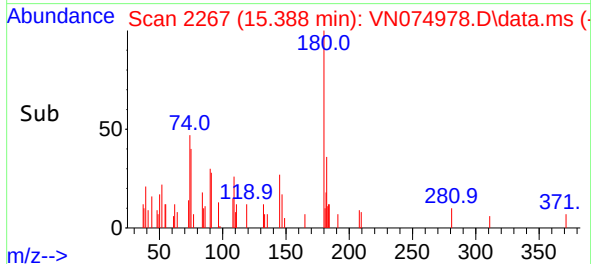


#93
1,2,4-Trichlorobenzene
Concen: 0.560 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50

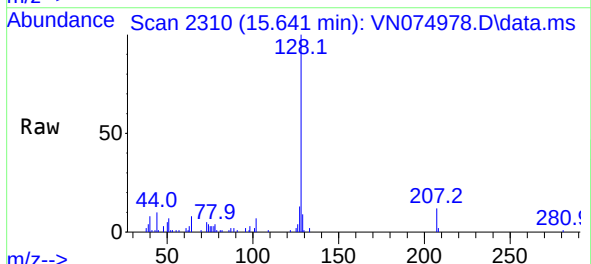
Instrument :
MSVOA_N
ClientSampleId :



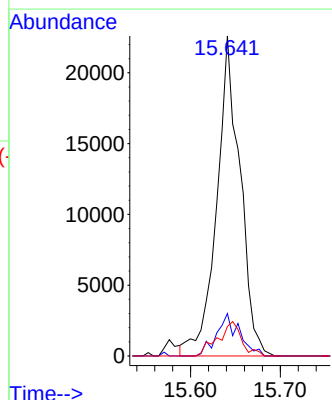
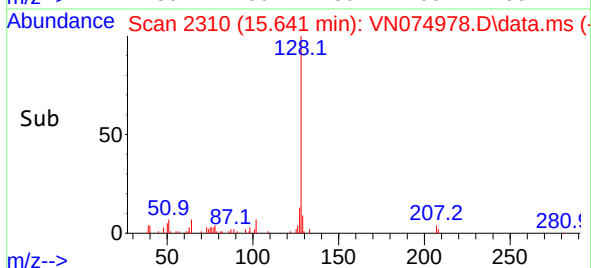
Tgt Ion:180 Resp: 5230
Ion Ratio Lower Upper
180 100
182 92.2 46.6 139.7
145 33.7 16.7 50.0

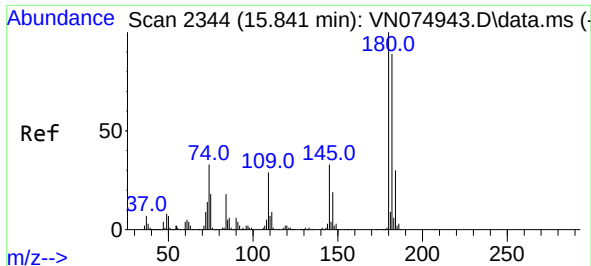


#95
Naphthalene
Concen: 1.152 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN074978.D
Acq: 24 Oct 2022 12:50



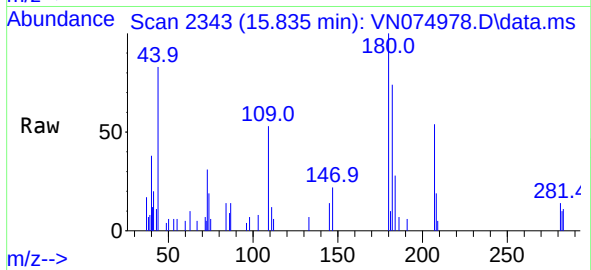
Tgt Ion:128 Resp: 40863
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.793 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074978.D
 Acq: 24 Oct 2022 12:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 7447

Ion	Ratio	Lower	Upper
180	100		
182	87.5	46.7	140.1
145	19.1	17.2	51.5

