

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100722\
 Data File : VN074804.D
 Acq On : 07 Oct 2022 12:18
 Operator : JC\MD
 Sample : N4966-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 257248-5

Quant Time: Oct 08 03:51:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

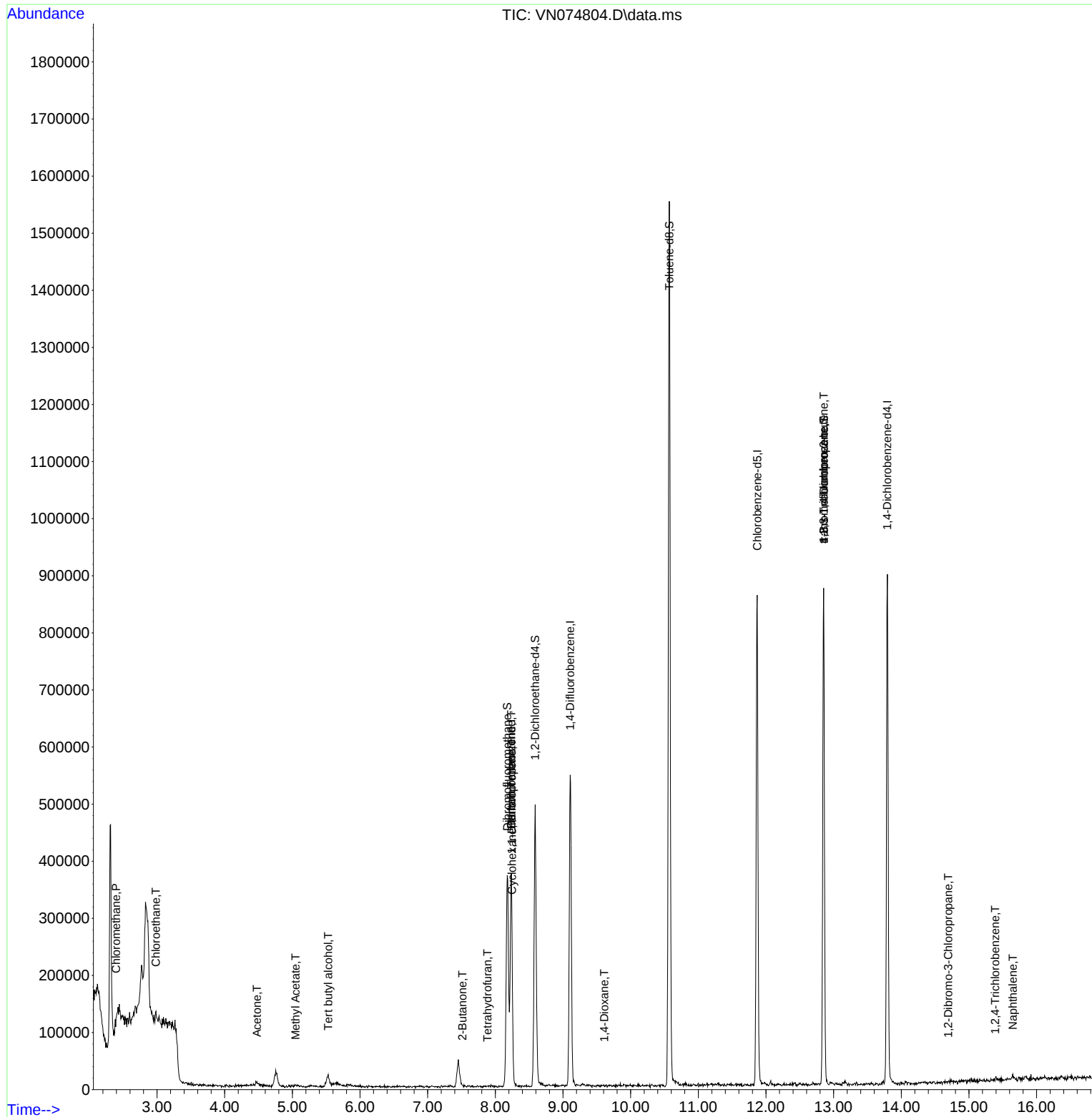
Internal Standards						
1) Pentafluorobenzene	8.235	168	251683	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	478086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	482713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	234060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	348676	58.469	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.940%	
35) Dibromofluoromethane	8.177	113	266853	55.245	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.480%	
50) Toluene-d8	10.571	98	1083491	52.275	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.560%	
62) 4-Bromofluorobenzene	12.853	95	270839	42.987	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.395	50	2635	0.343	ug/l	# 41
6) Chloroethane	2.983	64	15916	2.263	ug/l	# 56
11) Tert butyl alcohol	5.530	59	12053	6.035	ug/l	# 74
13) Acrolein	4.189	56	280	Below Cal	#	80
16) Acetone	4.477	43	7916	2.342	ug/l	# 85
18) Methyl Acetate	5.047	43	3128	0.250	ug/l	# 64
20) Methylene Chloride	5.306	84	813	Below Cal	#	49
25) 2-Butanone	7.512	43	1259	0.205	ug/l	# 48
29) Tetrahydrofuran	7.883	42	946	0.221	ug/l	# 40
31) Cyclohexane	8.247	56	7466	0.724	ug/l	# 51
36) 1,1-Dichloropropene	8.241	75	25727	3.291	ug/l	# 48
38) Carbon Tetrachloride	8.235	117	29823	4.045	ug/l	# 16
49) 1,4-Dioxane	9.612	88	86	0.499	ug/l	# 24
75) 1,1,2,2-Tetrachloroethane	12.947	83	787	Below Cal	#	52
76) 1,2,3-Trichloropropane	12.853	75	170148	24.355	ug/l	# 1
77) Bromobenzene	12.988	156	168	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	170148	47.453	ug/l	# 14
92) 1,2-Dibromo-3-Chloropr...	14.694	75	575	0.308	ug/l	# 3
93) 1,2,4-Trichlorobenzene	15.388	180	761	0.202	ug/l	# 52
95) Naphthalene	15.647	128	7859	0.483	ug/l	# 87
96) 1,2,3-Trichlorobenzene	15.835	180	2111	Below Cal	#	30

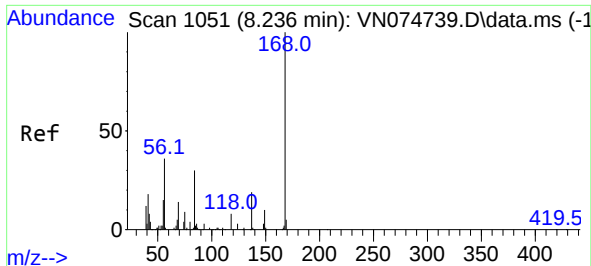
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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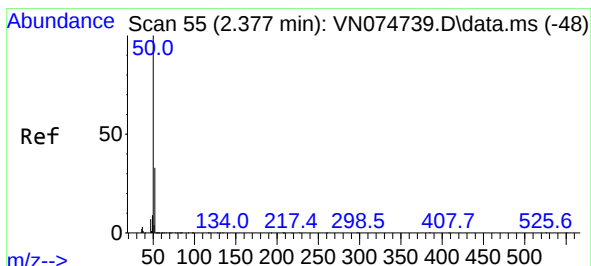
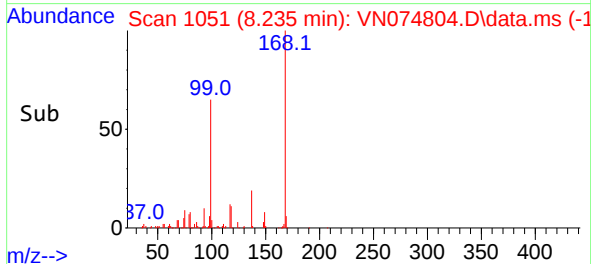
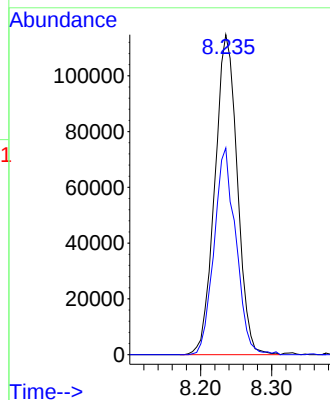
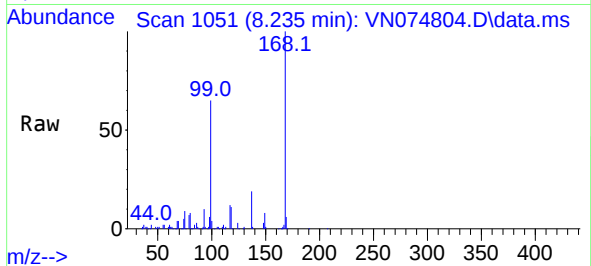




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

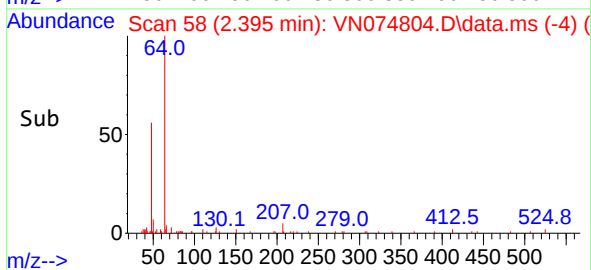
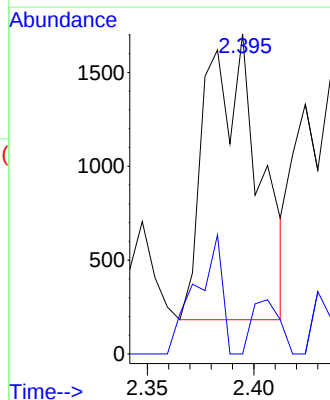
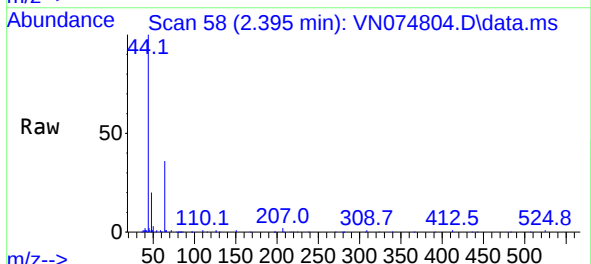
Instrument :
MSVOA_N
ClientSampleId :
257248-5

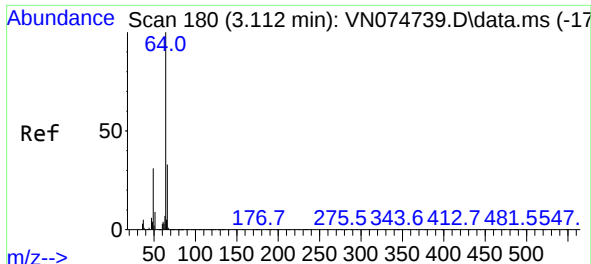
Tgt Ion:168 Resp: 251683
Ion Ratio Lower Upper
168 100
99 64.6 42.8 64.2#



#3
Chloromethane
Concen: 0.343 ug/l
RT: 2.395 min Scan# 58
Delta R.T. 0.018 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion: 50 Resp: 2635
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

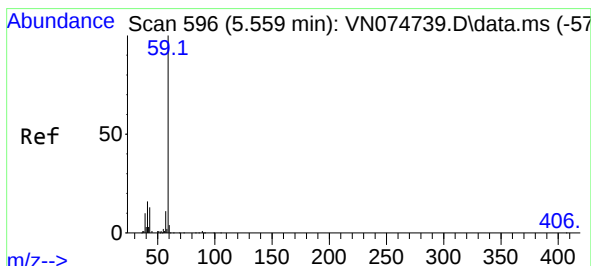
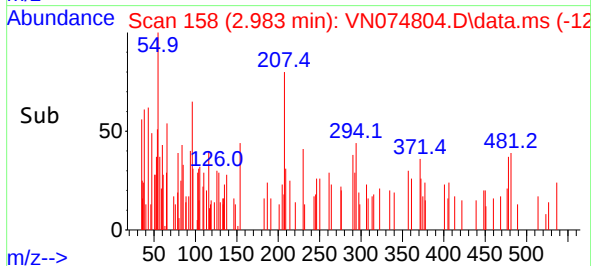
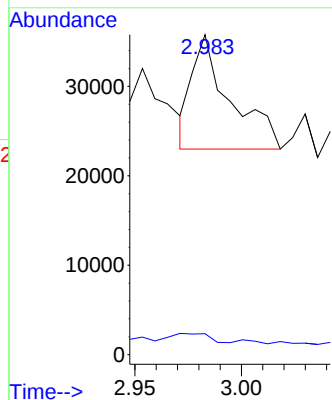
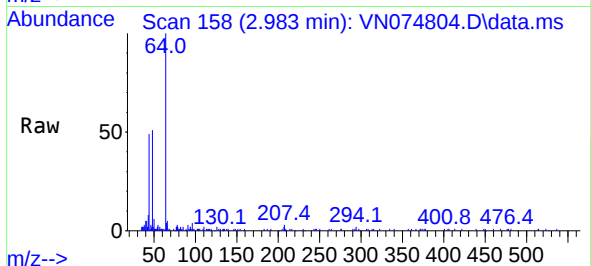




#6
Chloroethane
Concen: 2.263 ug/l
RT: 2.983 min Scan# 11
Delta R.T. -0.130 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

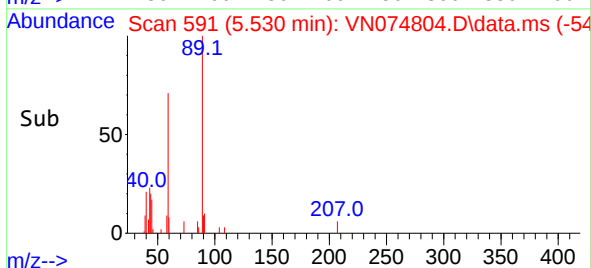
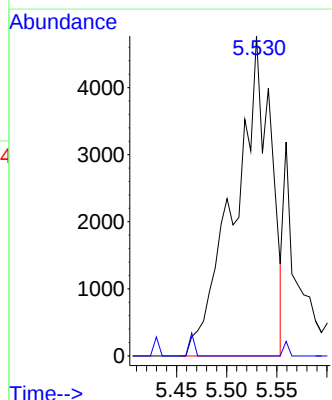
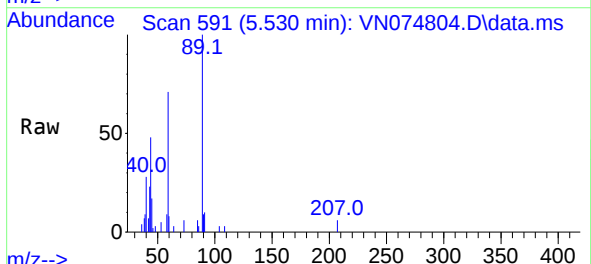
Instrument :
MSVOA_N
ClientSampleId :
257248-5

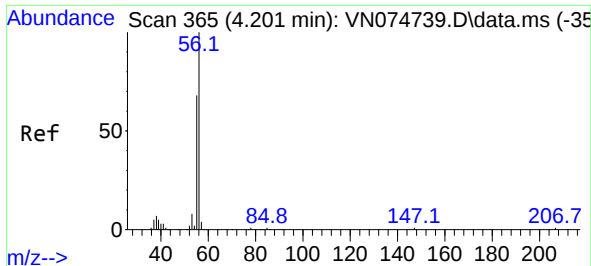
Tgt Ion: 64 Resp: 15916
Ion Ratio Lower Upper
64 100
66 7.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 6.035 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.030 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion: 59 Resp: 12053
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

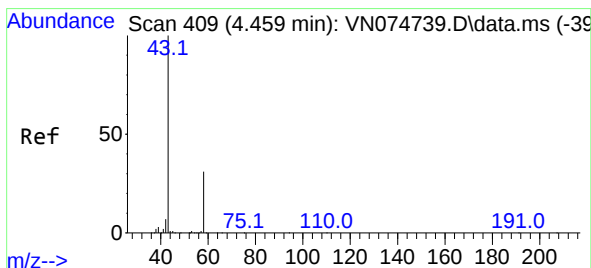
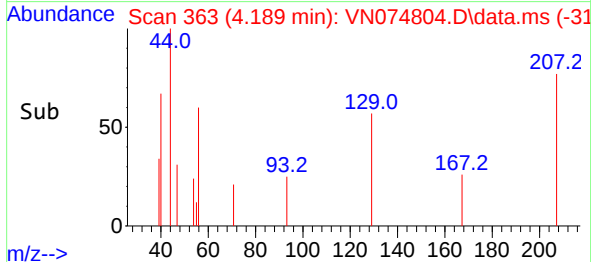
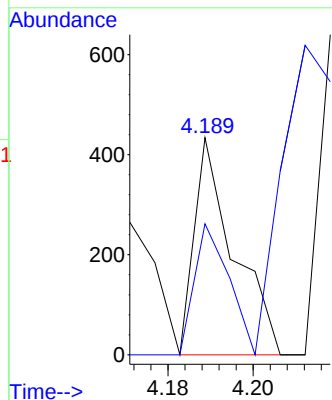
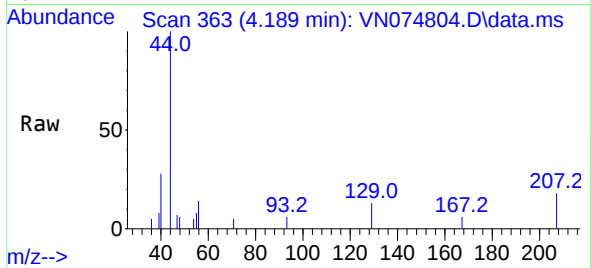




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 30
Delta R.T. -0.012 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

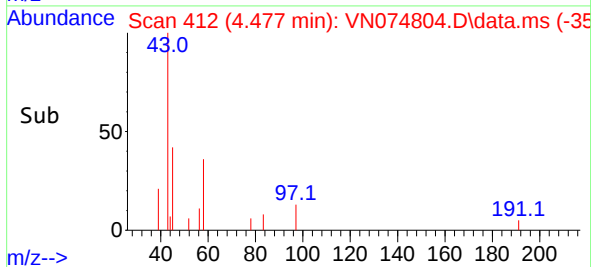
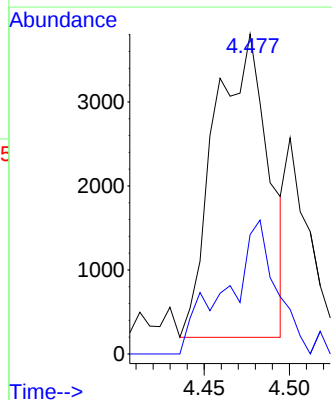
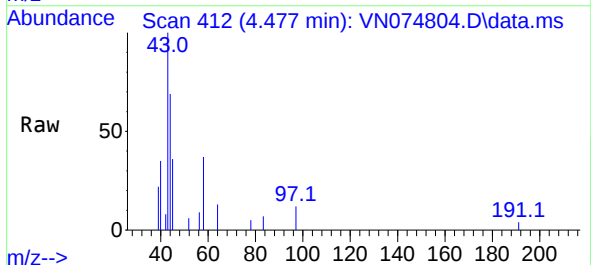
Instrument :
MSVOA_N
ClientSampleId :
257248-5

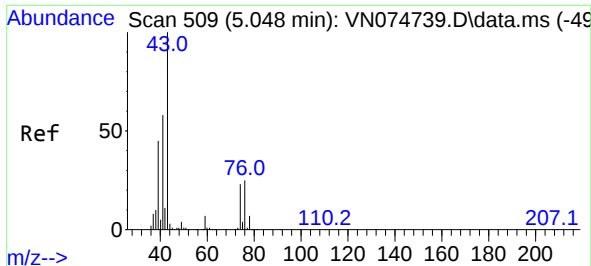
Tgt Ion: 56 Resp: 280
Ion Ratio Lower Upper
56 100
55 52.1 54.9 82.3#



#16
Acetone
Concen: 2.342 ug/l
RT: 4.477 min Scan# 412
Delta R.T. 0.018 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion: 43 Resp: 7916
Ion Ratio Lower Upper
43 100
58 39.4 24.9 37.3#

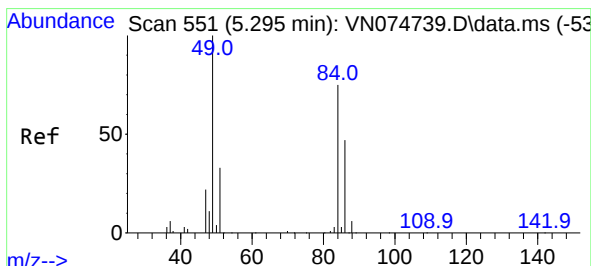
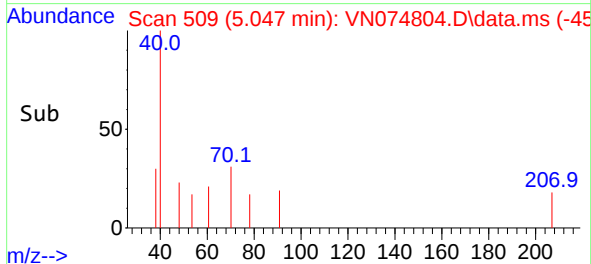
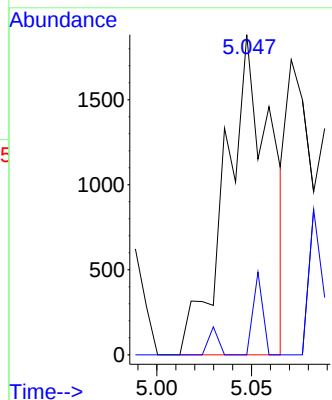
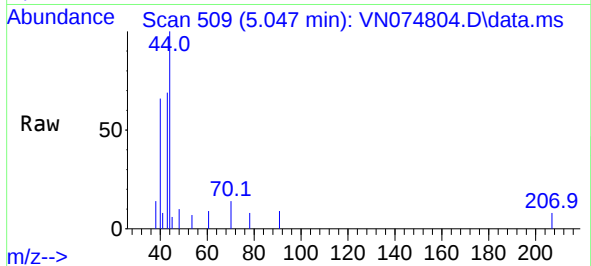




#18
Methyl Acetate
Concen: 0.250 ug/l
RT: 5.047 min Scan# 509
Delta R.T. -0.000 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

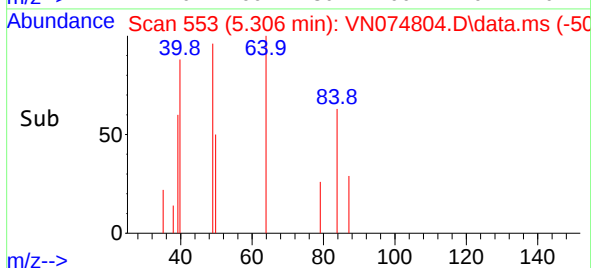
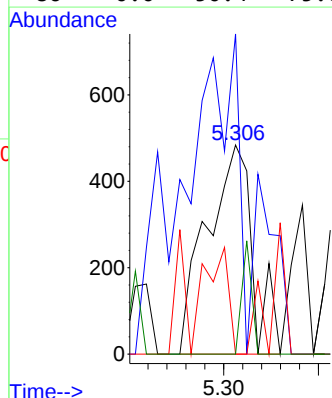
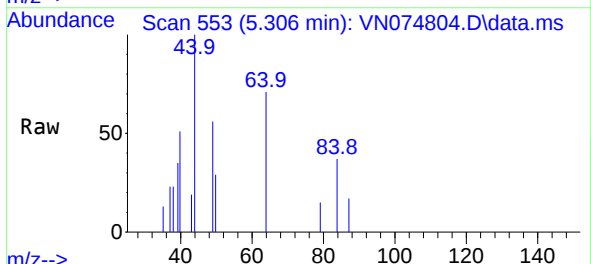
Instrument :
MSVOA_N
ClientSampleId :
257248-5

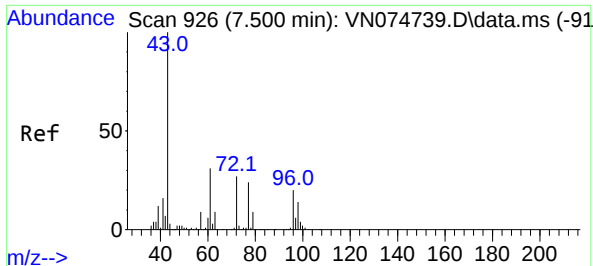
Tgt Ion: 43 Resp: 3128
Ion Ratio Lower Upper
43 100
74 5.5 18.5 27.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.306 min Scan# 553
Delta R.T. 0.011 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion: 84 Resp: 813
Ion Ratio Lower Upper
84 100
49 96.5 107.4 161.0#
51 0.0 35.1 52.7#
86 0.0 50.4 75.6#

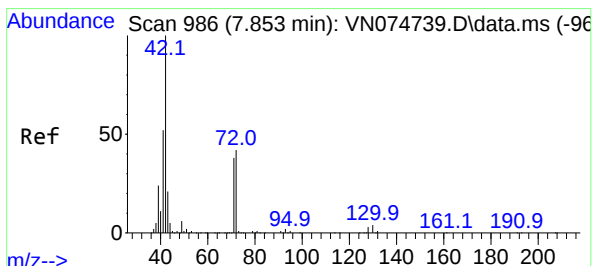
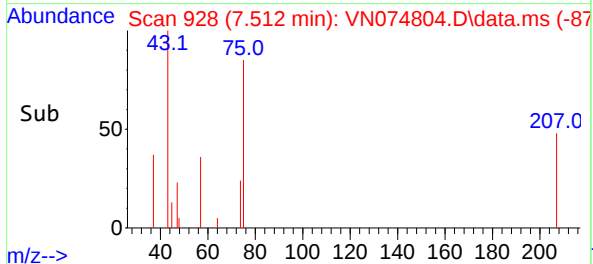
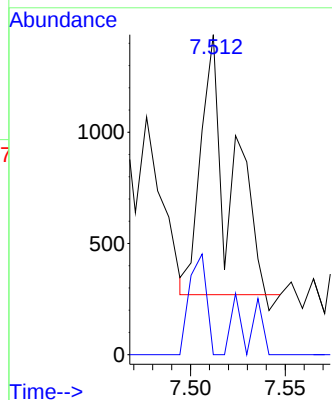
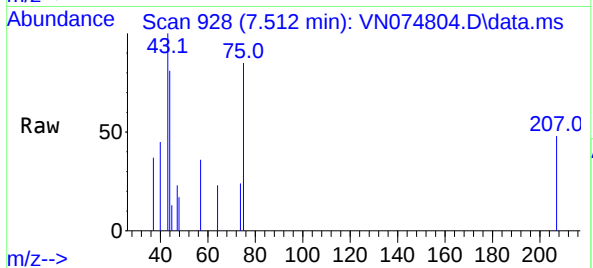




#25
2-Butanone
Concen: 0.205 ug/l
RT: 7.512 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

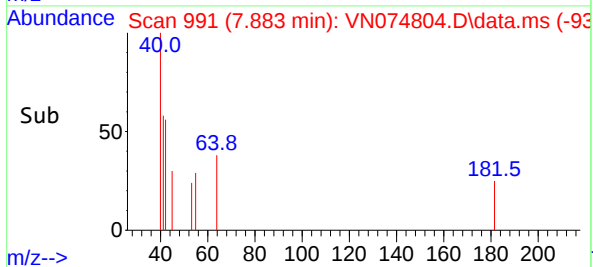
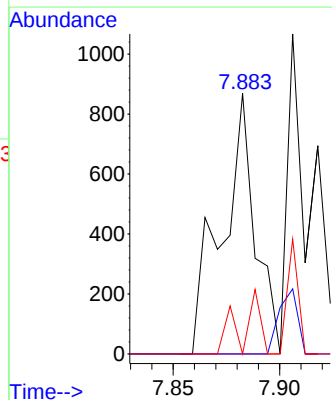
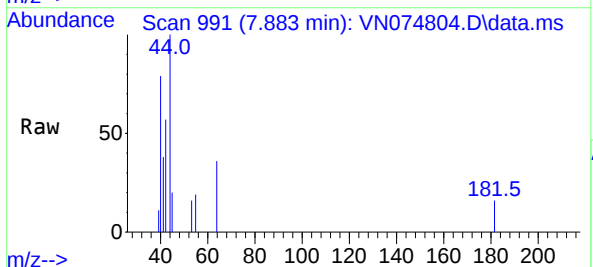
Instrument :
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ClientSampleId :
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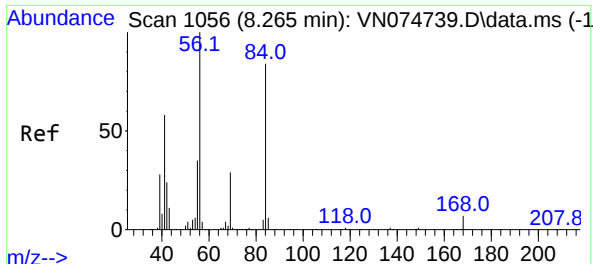
Tgt Ion: 43 Resp: 1259
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 7.883 min Scan# 991
Delta R.T. 0.029 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

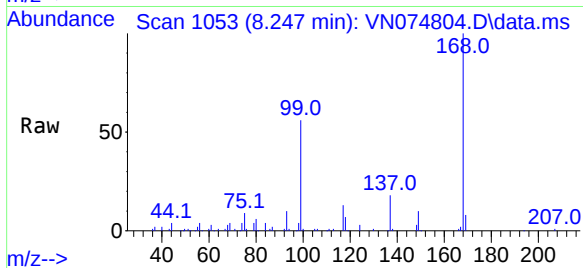
Tgt Ion: 42 Resp: 946
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.6#
71 5.9 30.4 45.6#



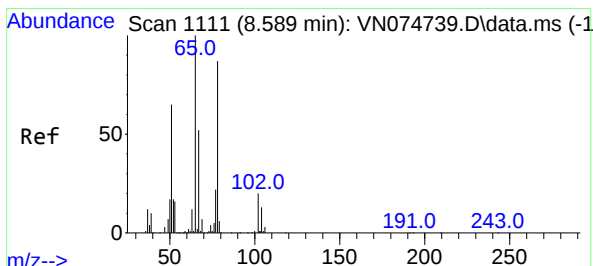
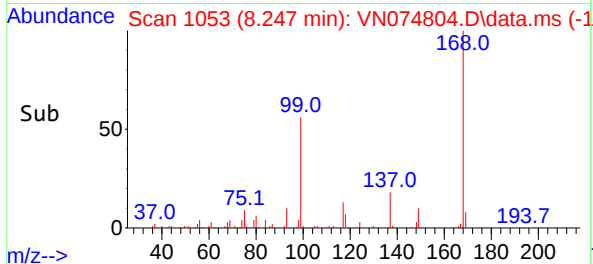
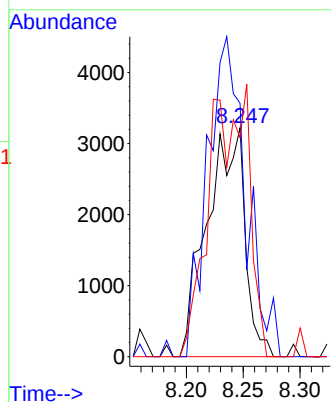


#31
Cyclohexane
Concen: 0.724 ug/l
RT: 8.247 min Scan# 1053
Delta R.T. -0.018 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Instrument : MSVOA_N
ClientSampleId : 257248-5

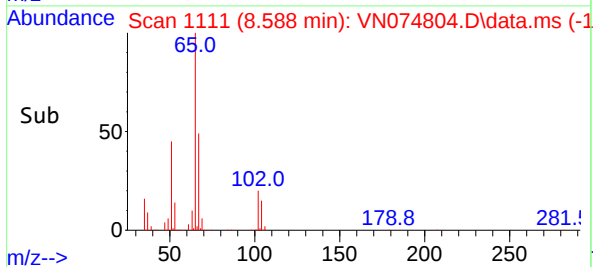
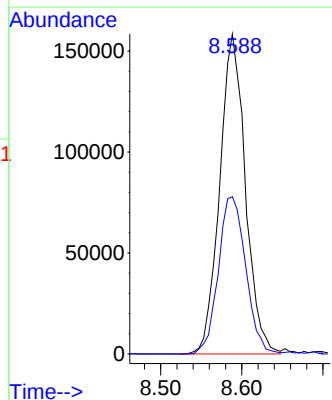
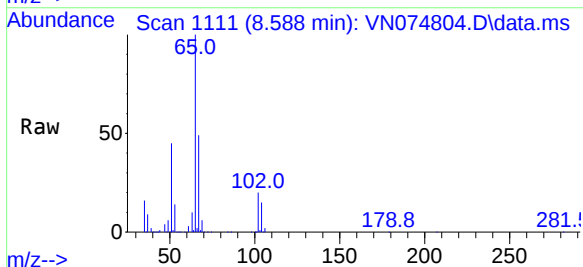


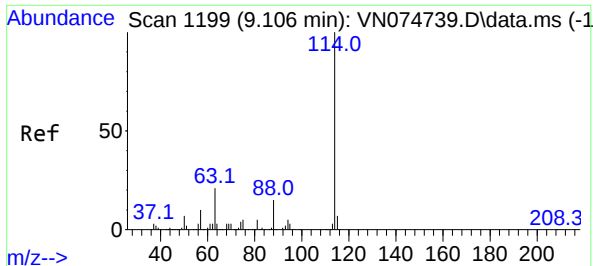
Tgt Ion: 56 Resp: 7466
Ion Ratio Lower Upper
56 100
69 110.7 23.1 34.7#
84 95.7 67.1 100.7



#33
1,2-Dichloroethane-d4
Concen: 58.469 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion: 65 Resp: 348676
Ion Ratio Lower Upper
65 100
67 52.3 0.0 109.0



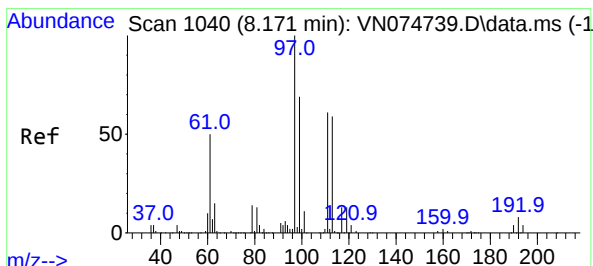
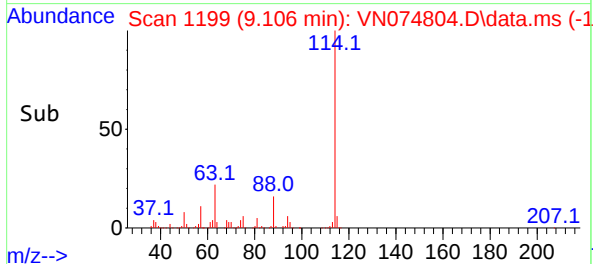
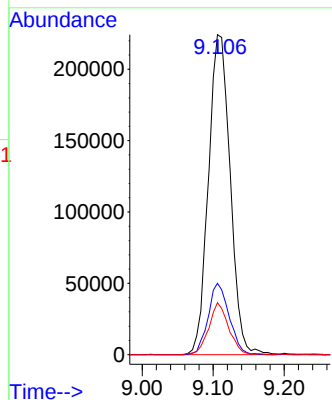
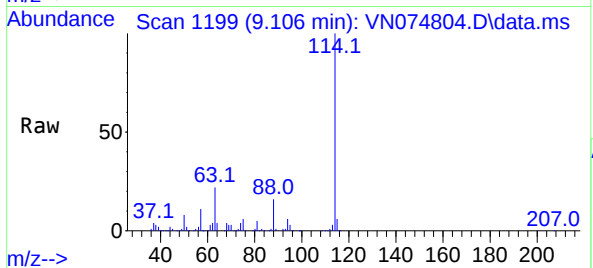


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Instrument :
MSVOA_N
ClientSampleId :
257248-5

Tgt Ion:114 Resp: 478086

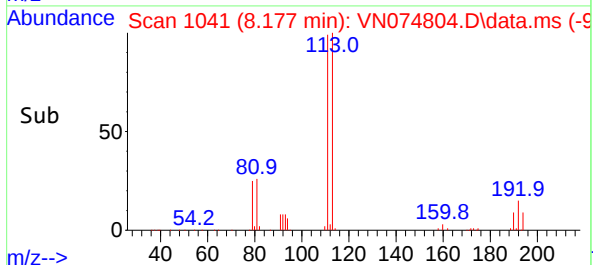
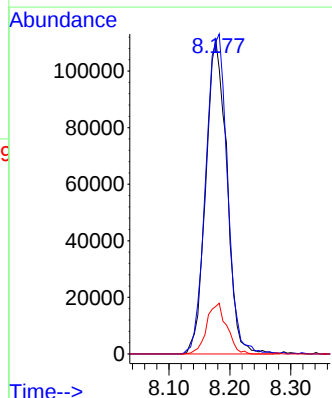
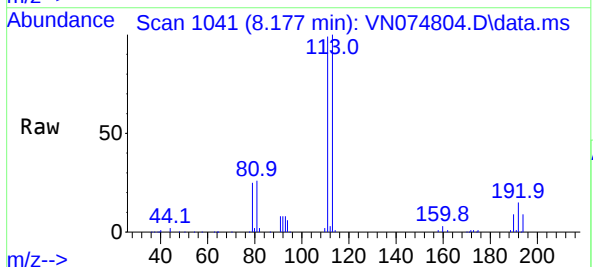
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.2
88	16.3	0.0	30.2

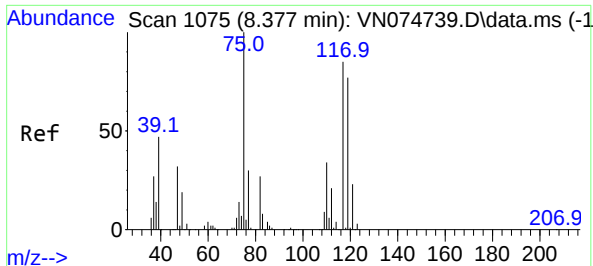


#35
Dibromofluoromethane
Concen: 55.245 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion:113 Resp: 266853

Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.0	124.6
192	15.3	12.6	18.8





#36

1,1-Dichloropropene

Concen: 3.291 ug/l

RT: 8.241 min Scan# 1052

Delta R.T. -0.135 min

Lab File: VN074804.D

Acq: 07 Oct 2022 12:18

Instrument :

MSVOA_N

ClientSampleId :

257248-5

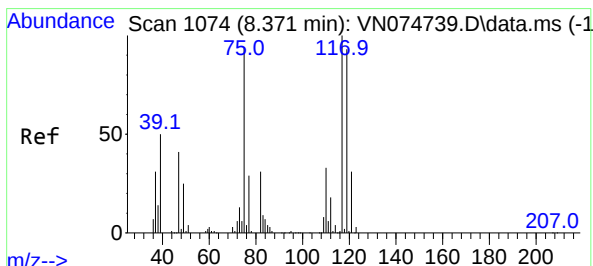
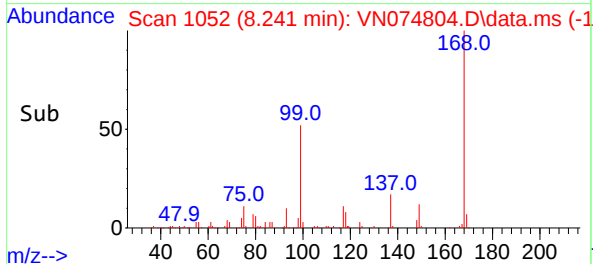
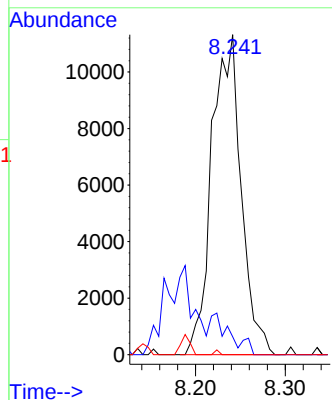
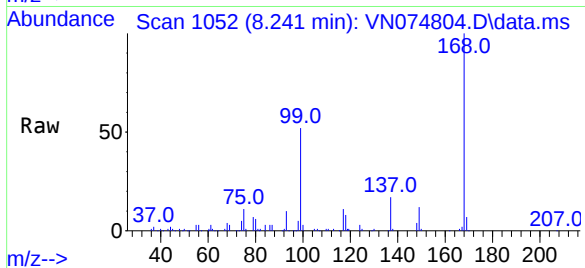
Tgt Ion: 75 Resp: 25727

Ion Ratio Lower Upper

75 100

110 5.8 17.2 51.5#

77 0.2 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 4.045 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.135 min

Lab File: VN074804.D

Acq: 07 Oct 2022 12:18

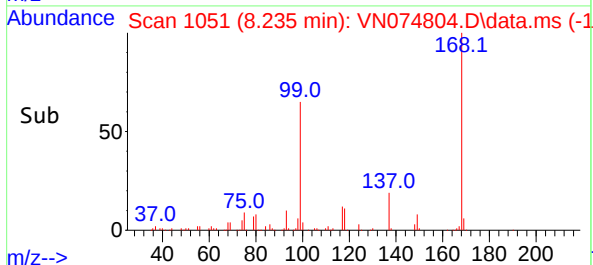
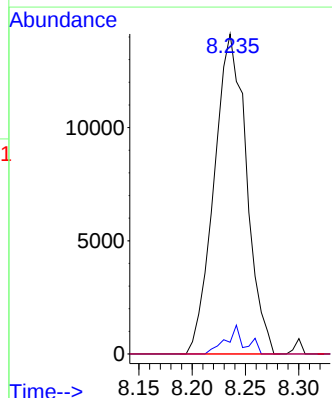
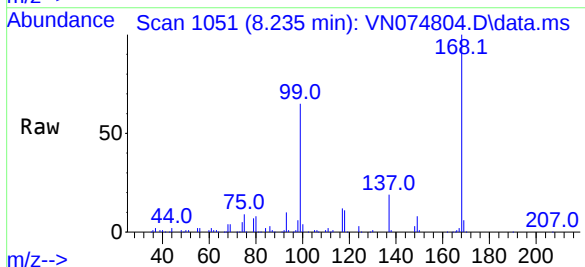
Tgt Ion: 117 Resp: 29823

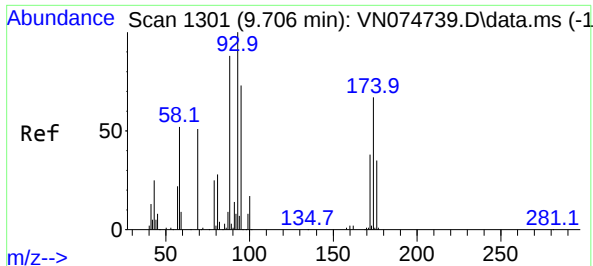
Ion Ratio Lower Upper

117 100

119 3.7 74.3 111.5#

121 0.0 25.0 37.4#

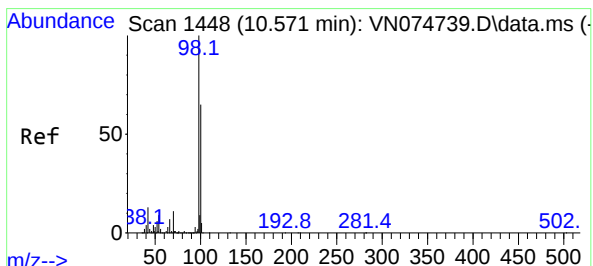
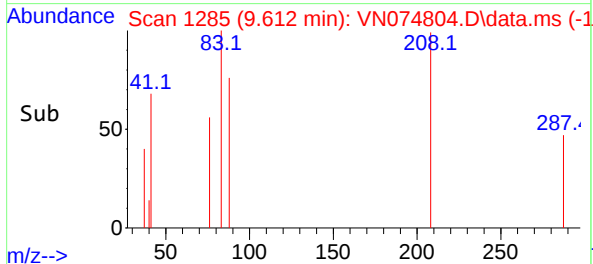
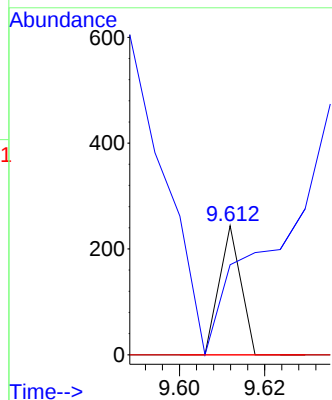
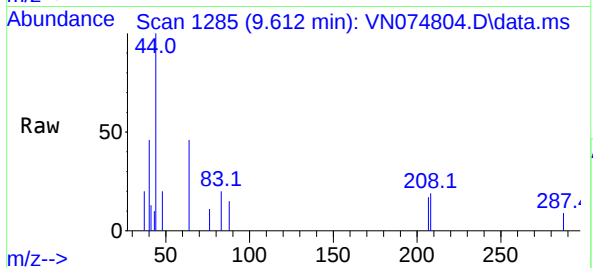




#49
1,4-Dioxane
Concen: 0.499 ug/l
RT: 9.612 min Scan# 11
Delta R.T. -0.094 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

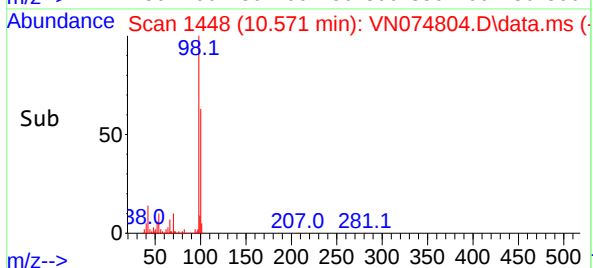
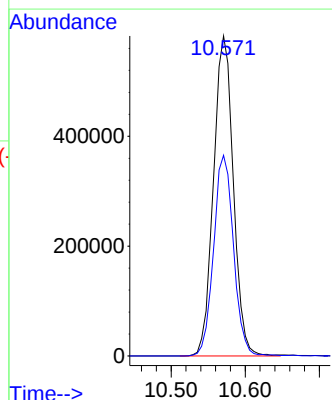
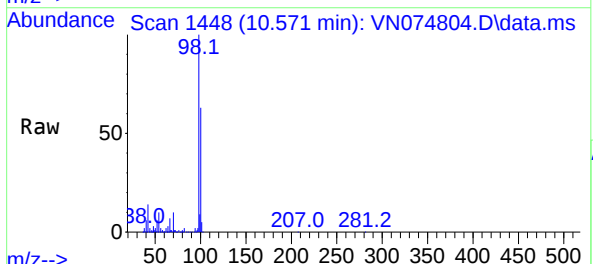
Instrument :
MSVOA_N
ClientSampleId :
257248-5

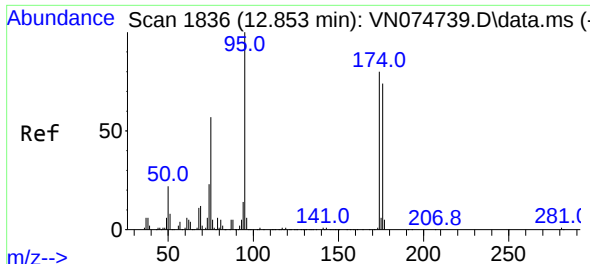
Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 54.9 82.3#



#50
Toluene-d8
Concen: 52.275 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion: 98 Resp: 1083491
Ion Ratio Lower Upper
98 100
100 62.9 50.7 76.1

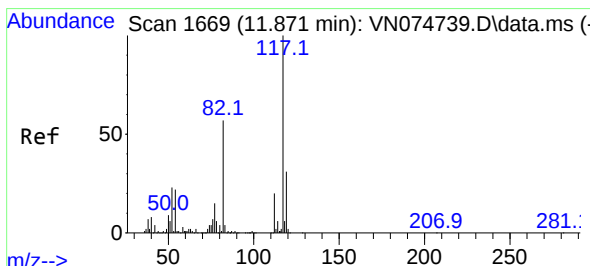
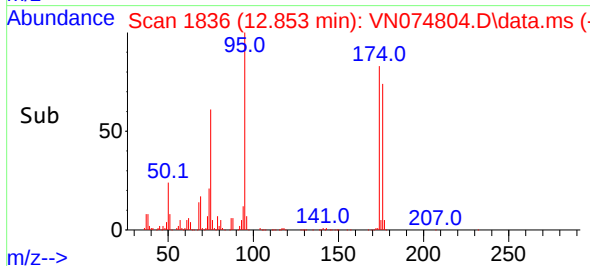
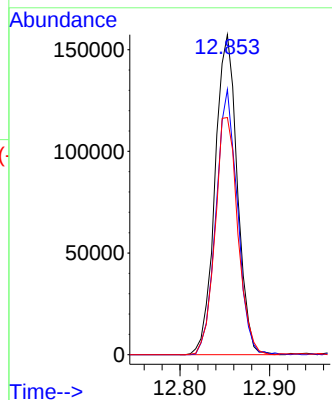
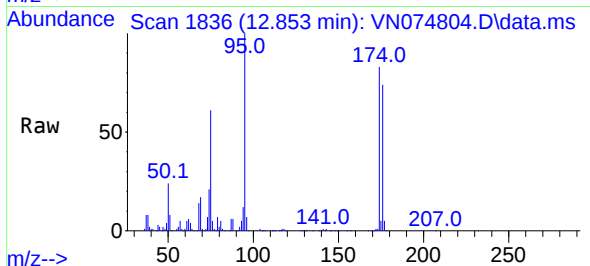




#62
4-Bromofluorobenzene
Concen: 42.987 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

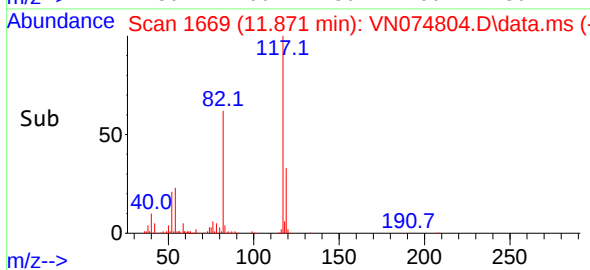
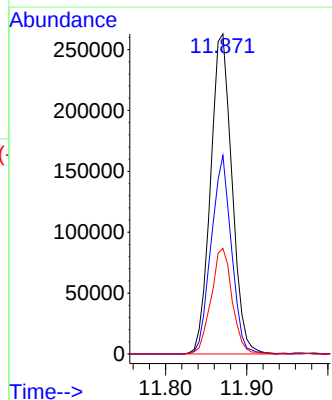
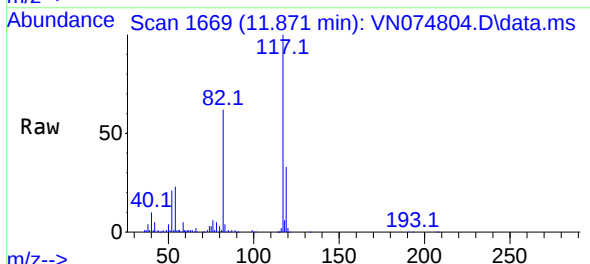
Instrument :
MSVOA_N
ClientSampleId :
257248-5

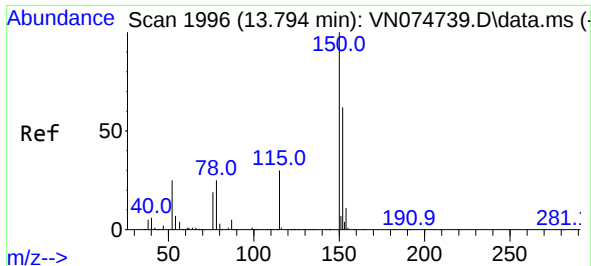
Tgt Ion: 95 Resp: 270839
Ion Ratio Lower Upper
95 100
174 79.6 0.0 149.4
176 75.8 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion: 117 Resp: 482713
Ion Ratio Lower Upper
117 100
82 62.0 45.4 68.2
119 33.0 25.1 37.7

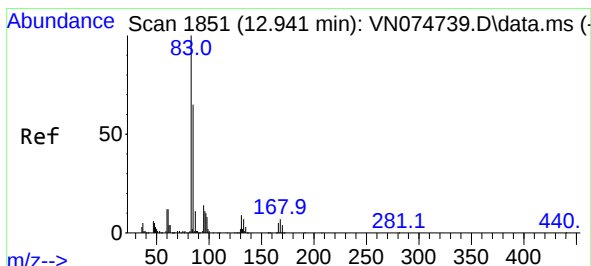
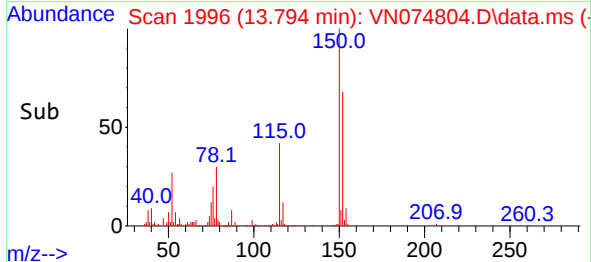
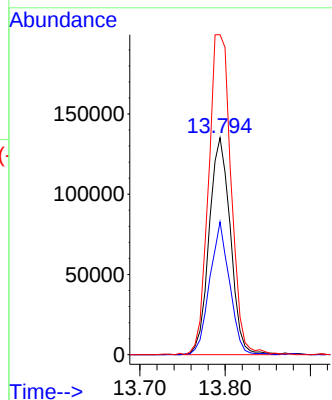
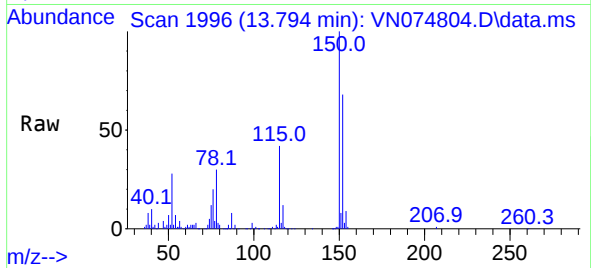




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074804.D
 Acq: 07 Oct 2022 12:18

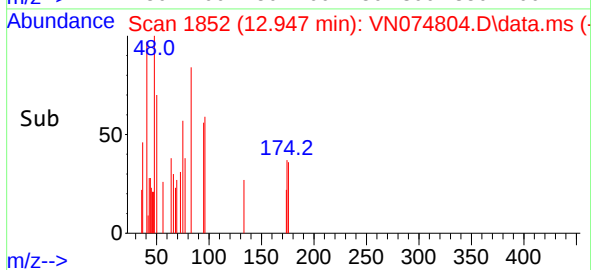
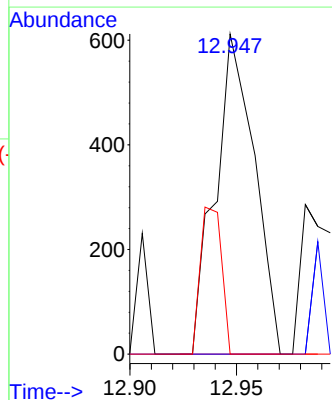
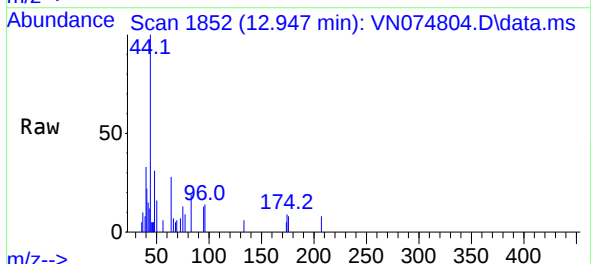
Instrument :
 MSVOA_N
 ClientSampleId :
 257248-5

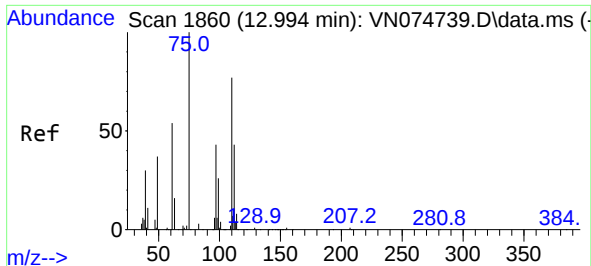
Tgt Ion:152 Resp: 234060
 Ion Ratio Lower Upper
 152 100
 115 57.3 30.0 90.0
 150 156.9 0.0 356.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.947 min Scan# 1852
 Delta R.T. 0.006 min
 Lab File: VN074804.D
 Acq: 07 Oct 2022 12:18

Tgt Ion: 83 Resp: 787
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 24.8 32.9 98.6#

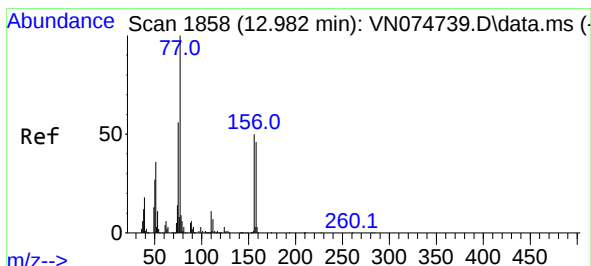
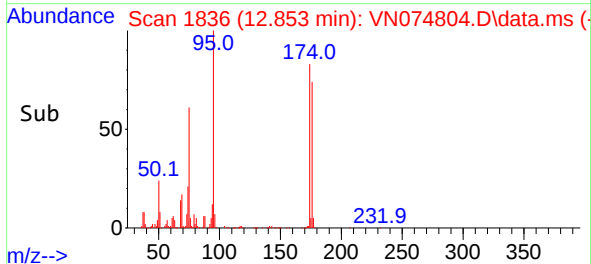
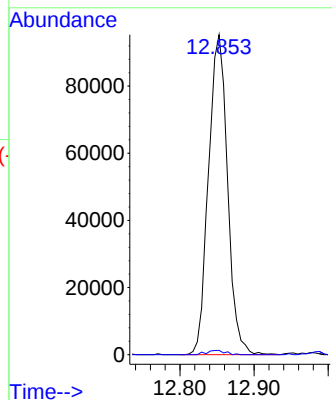
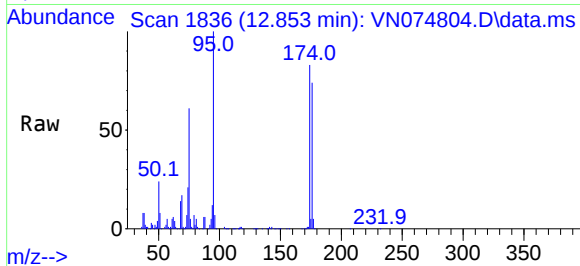




#76
1,2,3-Trichloropropane
Concen: 24.355 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

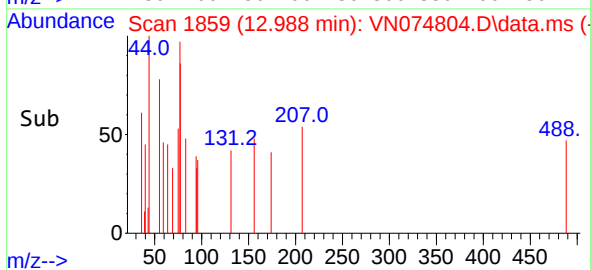
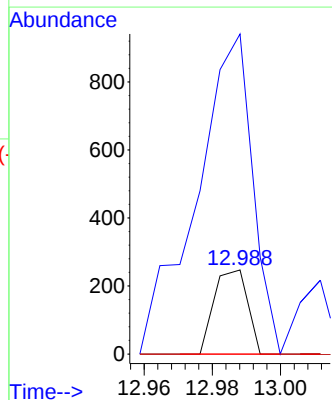
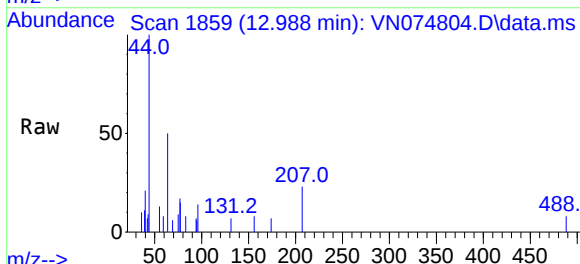
Instrument :
MSVOA_N
ClientSampleId :
257248-5

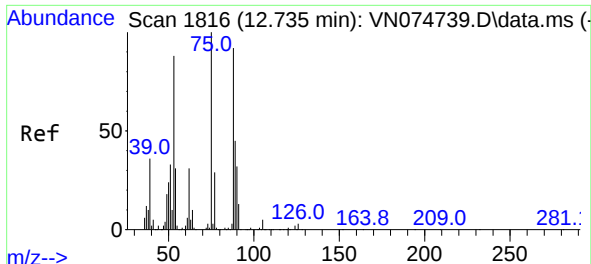
Tgt Ion: 75 Resp: 170148
Ion Ratio Lower Upper
75 100
77 1.3 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion:156 Resp: 168
Ion Ratio Lower Upper
156 100
77 644.0 124.7 374.1#
158 0.0 48.3 144.9#

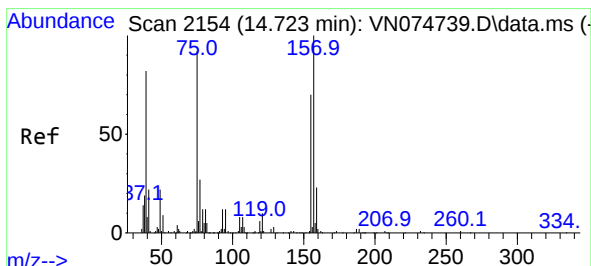
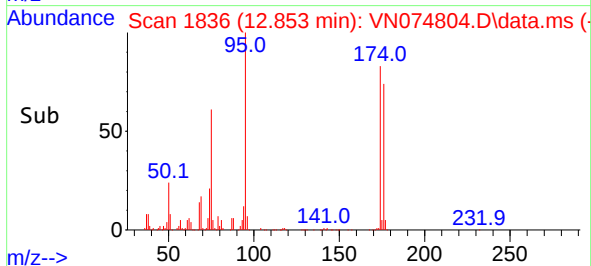
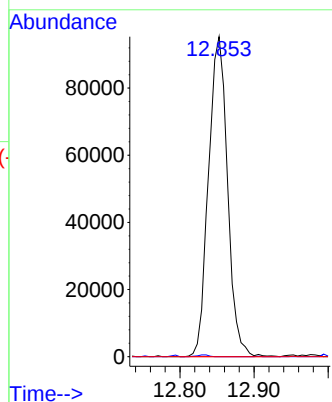
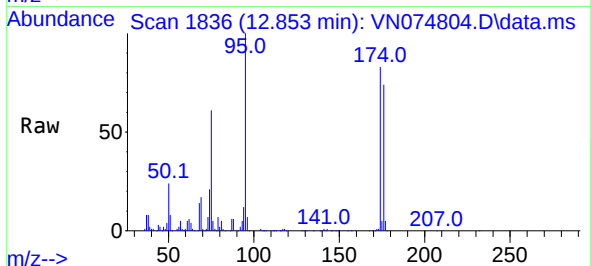




#81
trans-1,4-Dichloro-2-butene
Concen: 47.453 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

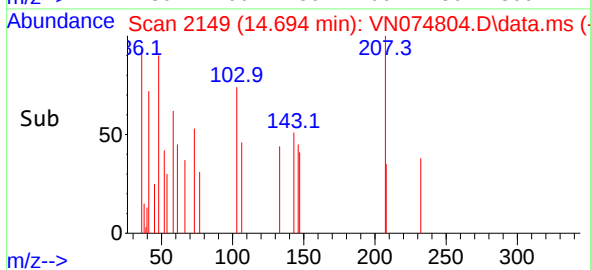
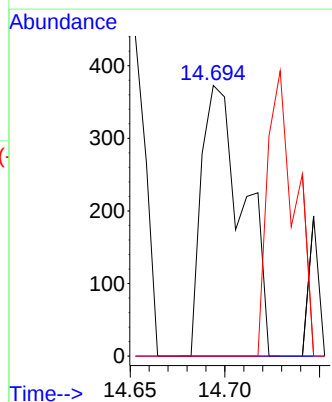
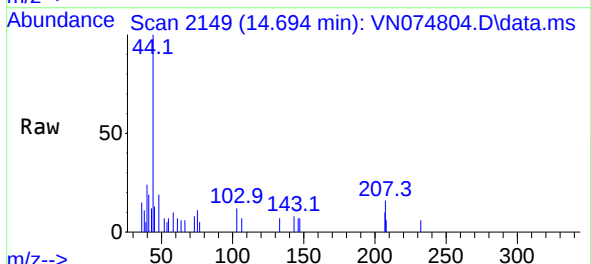
Instrument :
MSVOA_N
ClientSampleId :
257248-5

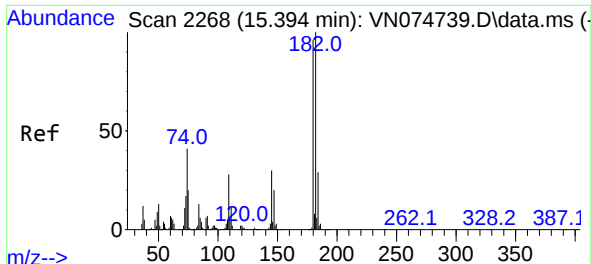
Tgt Ion: 75 Resp: 170148
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.0#
89 0.0 32.1 48.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.308 ug/l
RT: 14.694 min Scan# 2149
Delta R.T. -0.029 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

Tgt Ion: 75 Resp: 575
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.3 153.9#

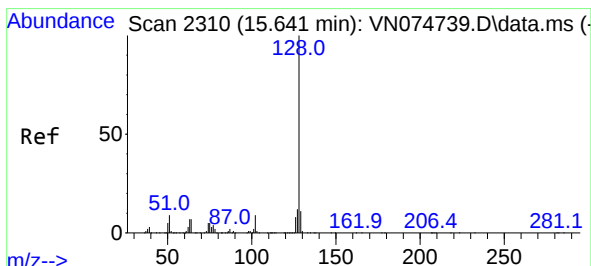
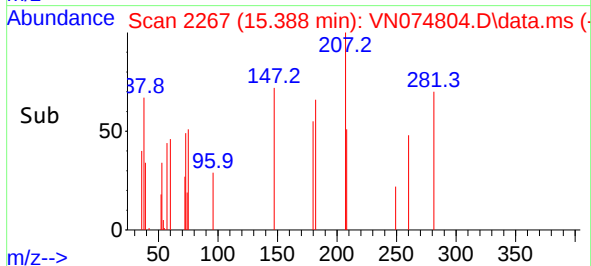
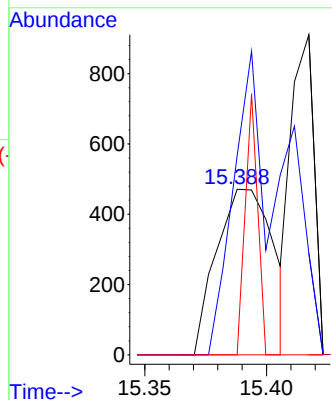
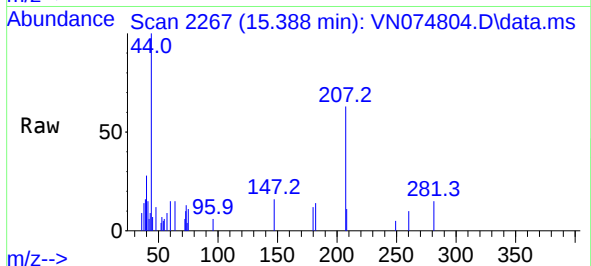




#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 15.388 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

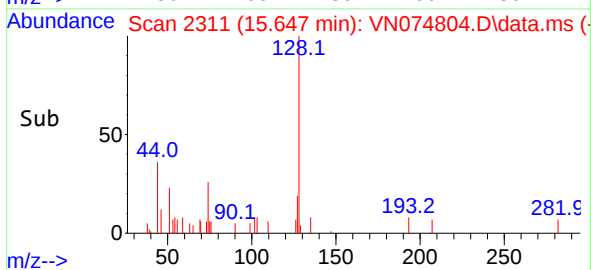
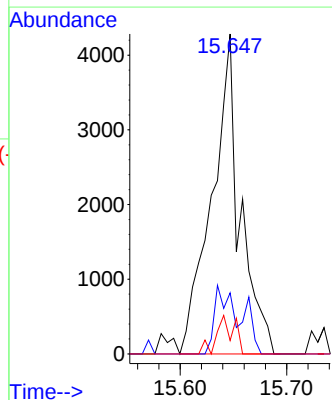
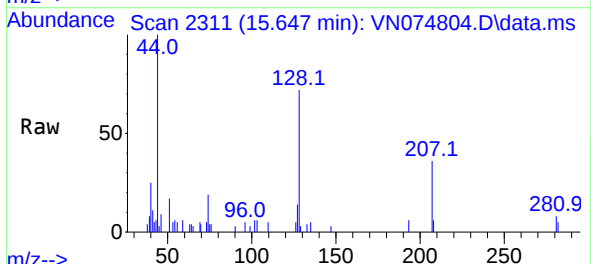
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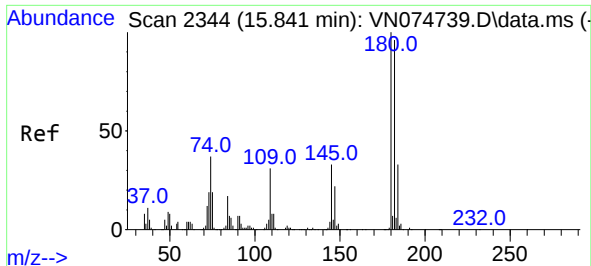
Tgt Ion:180 Resp: 761
Ion Ratio Lower Upper
180 100
182 158.9 48.5 145.5#
145 34.4 16.1 48.3



#95
Naphthalene
Concen: 0.483 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074804.D
Acq: 07 Oct 2022 12:18

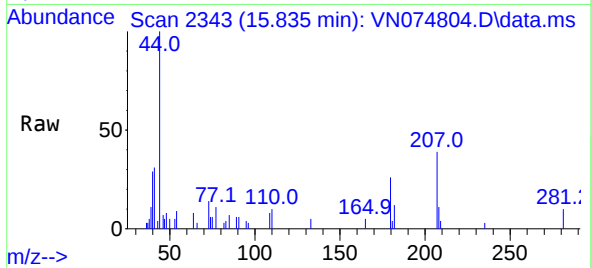
Tgt Ion:128 Resp: 7859
Ion Ratio Lower Upper
128 100
127 19.2 10.2 15.2#
129 7.5 9.0 13.4#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.835 min Scan# 2111
 Delta R.T. -0.006 min
 Lab File: VN074804.D
 Acq: 07 Oct 2022 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 257248-5



Tgt Ion:180 Resp: 2111
 Ion Ratio Lower Upper
 180 100
 182 22.6 47.3 142.0#
 145 0.0 17.1 51.2#

