

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074694.D
 Acq On : 01 Oct 2022 06:50
 Operator : JC\MD
 Sample : N4882-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:12:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

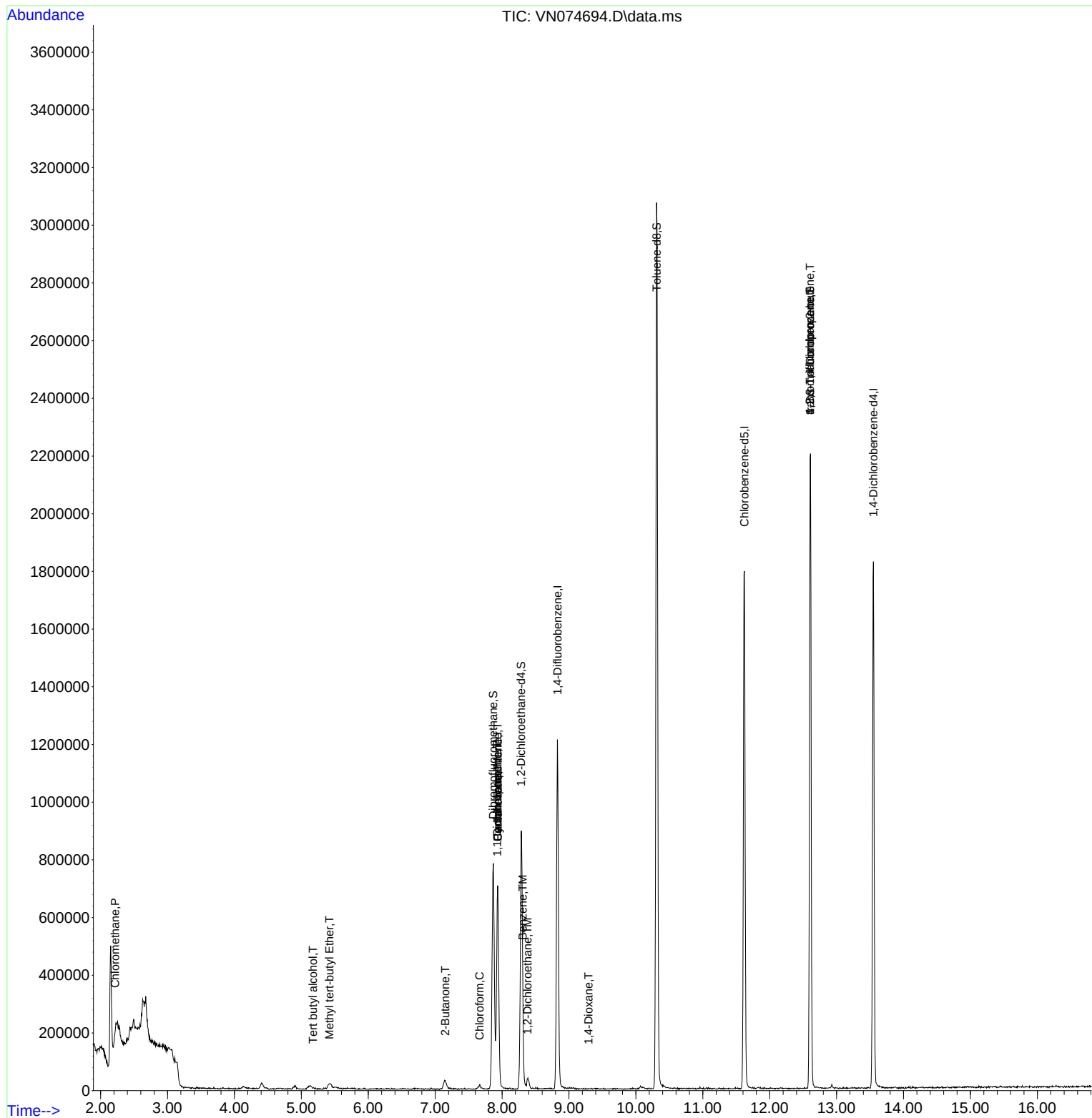
Internal Standards						
1) Pentafluorobenzene	7.934	168	505198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	967975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.621	117	963845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	449844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	655406	51.764	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.520%
35) Dibromofluoromethane	7.869	113	541121	52.815	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.640%
50) Toluene-d8	10.310	98	2050716	47.585	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.604	95	664434	48.622	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.240%
Target Compounds						
						Qvalue
3) Chloromethane	2.216	50	7440	0.481	ug/l #	82
8) Diethyl Ether	3.675	74	54	Below Cal	#	16
11) Tert butyl alcohol	5.175	59	2416	0.715	ug/l #	72
13) Acrolein	3.893	56	206	Below Cal	#	1
16) Acetone	4.134	43	12173	Below Cal		99
19) Methyl tert-butyl Ether	5.422	73	31328	0.870	ug/l	99
20) Methylene Chloride	4.910	84	4484	Below Cal	#	58
25) 2-Butanone	7.151	43	5217	0.448	ug/l #	45
30) Chloroform	7.663	83	9174	0.471	ug/l #	63
31) Cyclohexane	7.934	56	15580	0.757	ug/l #	49
36) 1,1-Dichloropropene	7.928	75	45970	2.802	ug/l #	51
38) Carbon Tetrachloride	7.934	117	53151	3.536	ug/l #	17
40) Benzene	8.310	78	11764	0.233	ug/l	93
42) 1,2-Dichloroethane	8.381	62	18523	1.090	ug/l	95
49) 1,4-Dioxane	9.292	88	252	0.826	ug/l #	1
74) N-amyl acetate	12.245	43	501	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	12.604	83	2160	Below Cal	#	14
76) 1,2,3-Trichloropropane	12.604	75	397433	38.997	ug/l #	1
77) Bromobenzene	12.745	156	114	Below Cal	#	5
81) trans-1,4-Dichloro-2-b...	12.604	75	397433	73.830	ug/l #	10
94) Hexachlorobutadiene	15.215	225	60	Below Cal	#	18

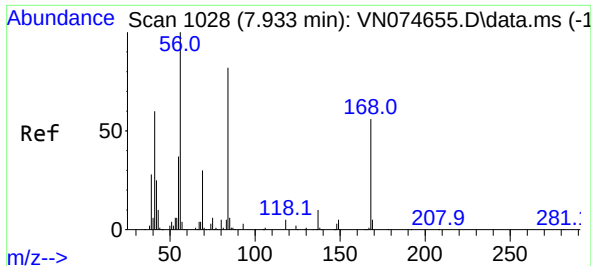
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

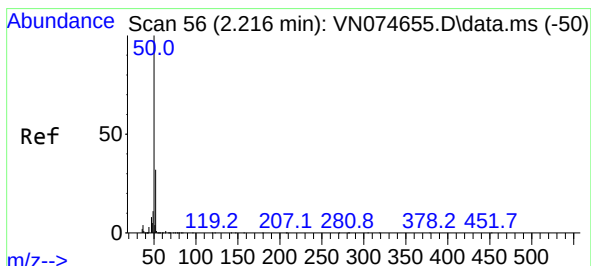
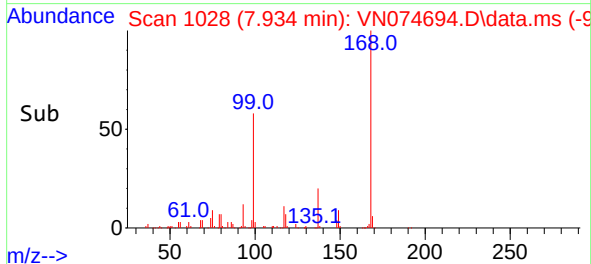
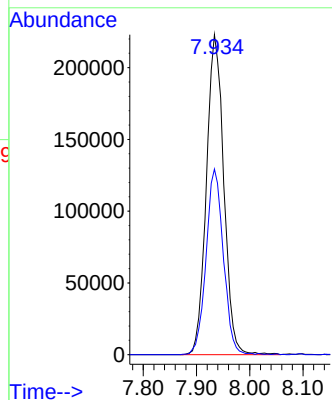
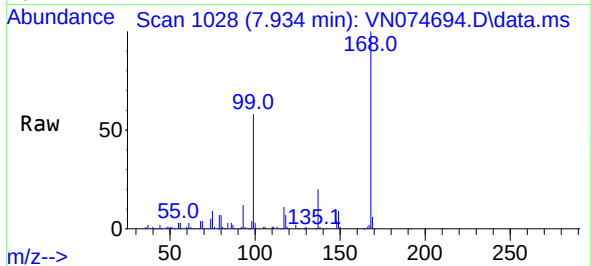




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

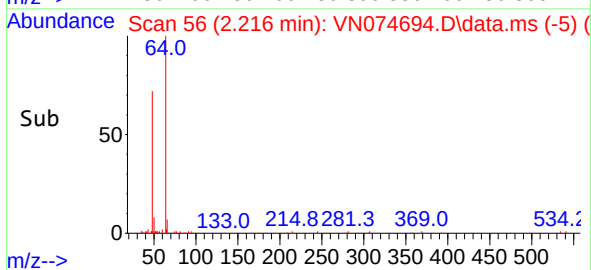
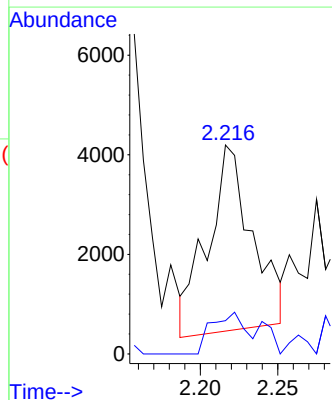
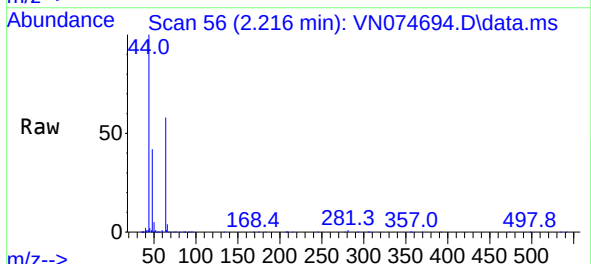
Instrument :
MSVOA_N
ClientSampleId :

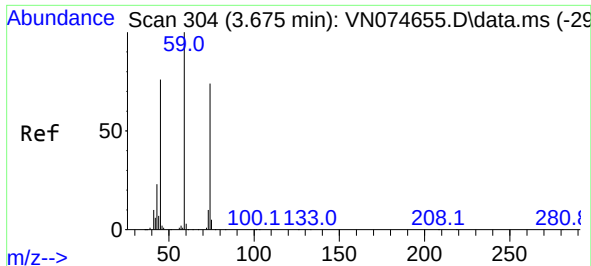
Tgt Ion:168 Resp: 505198
Ion Ratio Lower Upper
168 100
99 58.0 42.3 63.5



#3
Chloromethane
Concen: 0.481 ug/l
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Tgt Ion: 50 Resp: 7440
Ion Ratio Lower Upper
50 100
52 22.0 25.7 38.5#

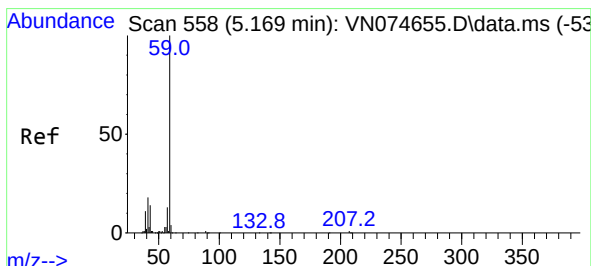
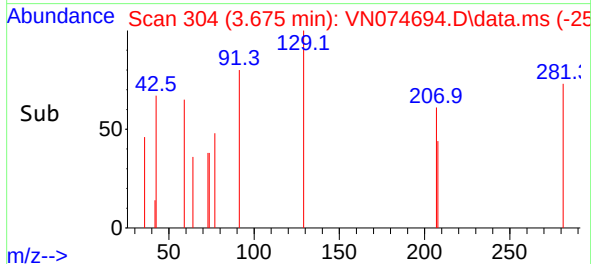
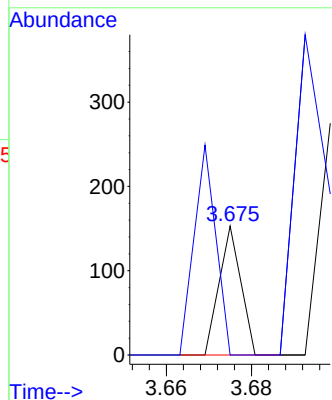
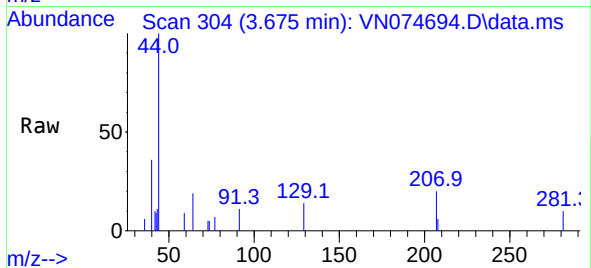




#8
Diethyl Ether
Concen: Below Cal
RT: 3.675 min Scan# 304
Delta R.T. -0.000 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

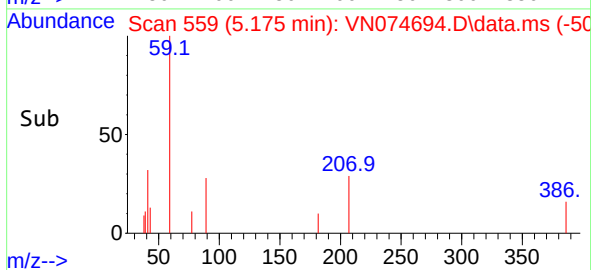
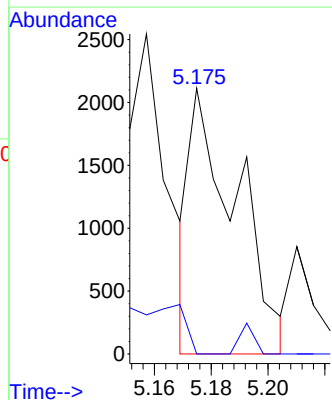
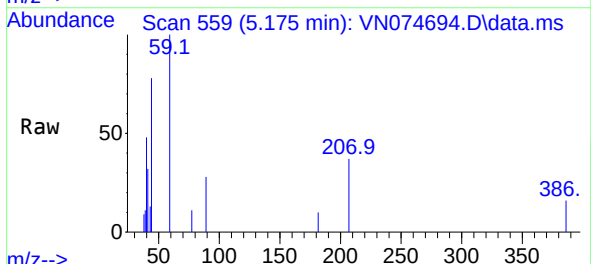
Instrument :
MSVOA_N
ClientSampleId :

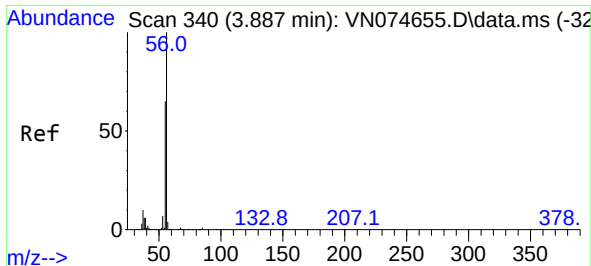
Tgt Ion: 74 Resp: 54
Ion Ratio Lower Upper
74 100
45 163.0 42.9 128.5#



#11
Tert butyl alcohol
Concen: 0.715 ug/l
RT: 5.175 min Scan# 559
Delta R.T. 0.006 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Tgt Ion: 59 Resp: 2416
Ion Ratio Lower Upper
59 100
57 20.9 8.3 12.5#

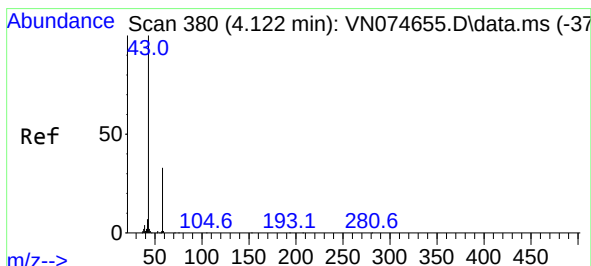
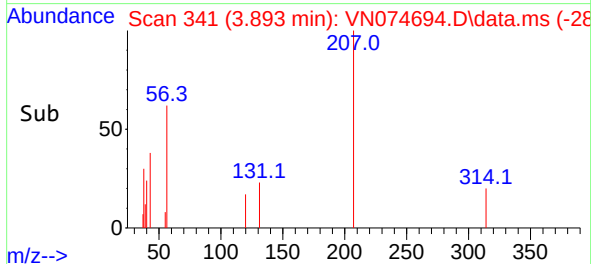
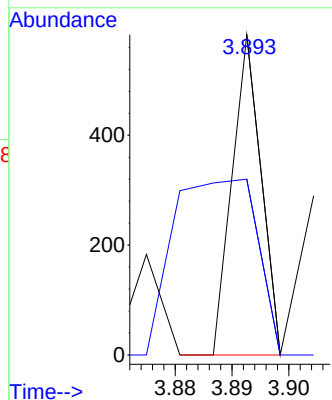
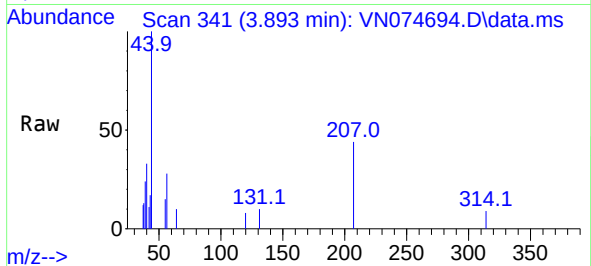




#13
Acrolein
Concen: Below Cal
RT: 3.893 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

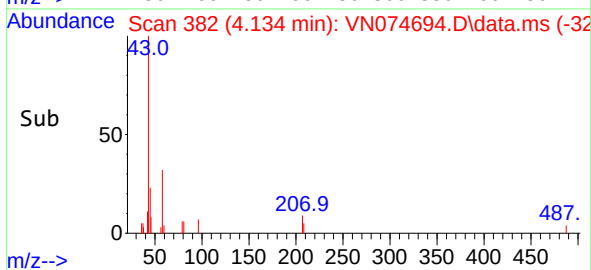
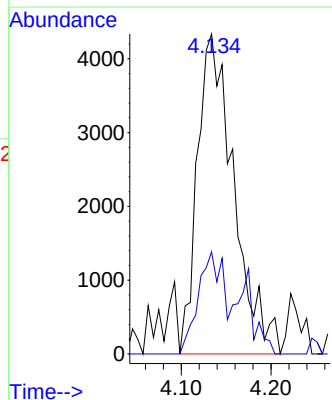
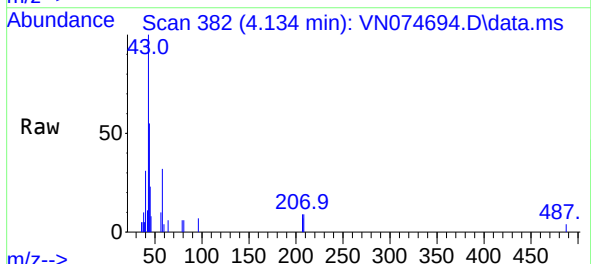
Instrument :
MSVOA_N
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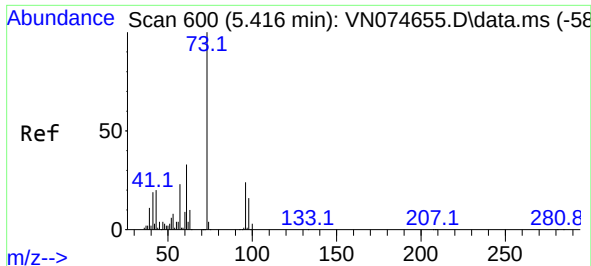
Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 159.7 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.134 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Tgt Ion: 43 Resp: 12173
Ion Ratio Lower Upper
43 100
58 31.9 26.0 39.0

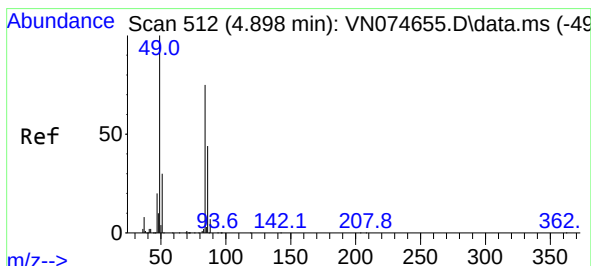
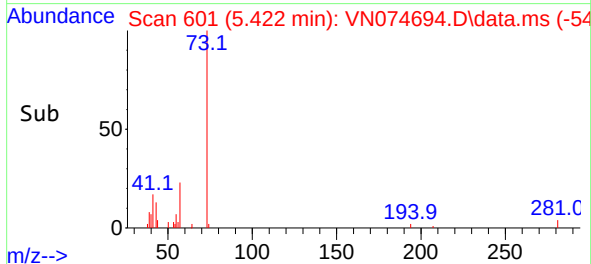
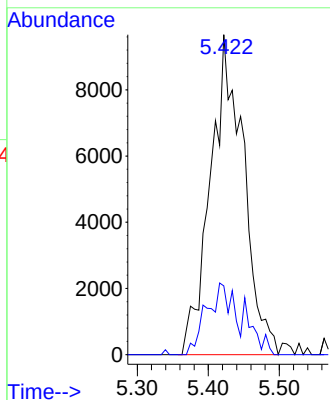
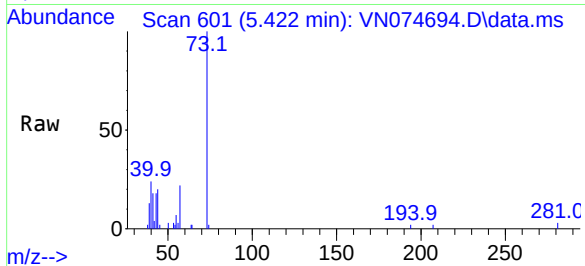




#19
Methyl tert-butyl Ether
Concen: 0.870 ug/l
RT: 5.422 min Scan# 601
Delta R.T. 0.006 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

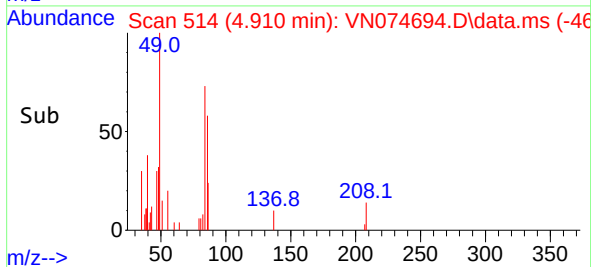
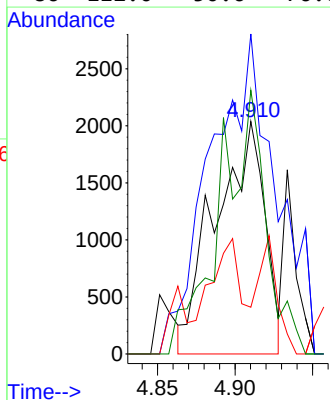
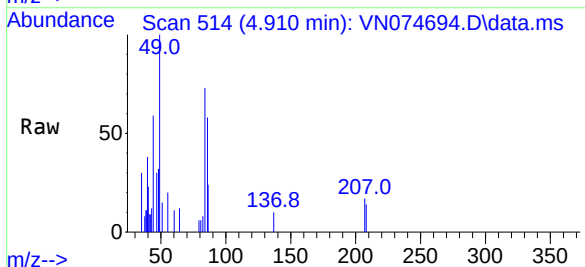
Instrument :
MSVOA_N
ClientSampleId :

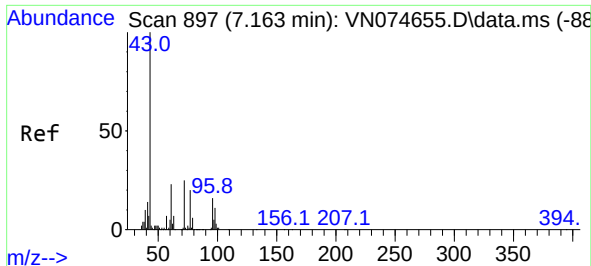
Tgt Ion: 73 Resp: 31328
Ion Ratio Lower Upper
73 100
57 21.5 17.6 26.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.910 min Scan# 514
Delta R.T. 0.012 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Tgt Ion: 84 Resp: 4484
Ion Ratio Lower Upper
84 100
49 136.0 88.3 132.5#
51 0.0 28.2 42.2#
86 112.0 50.6 76.0#

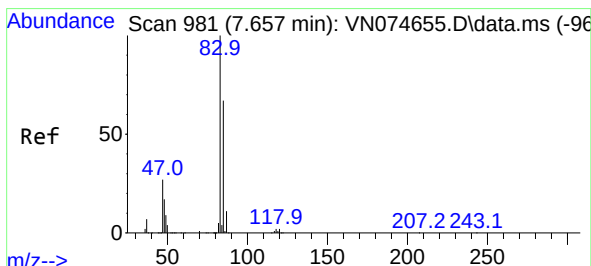
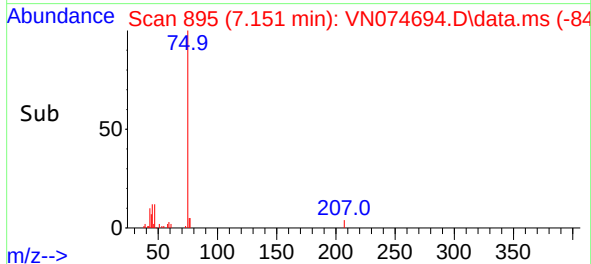
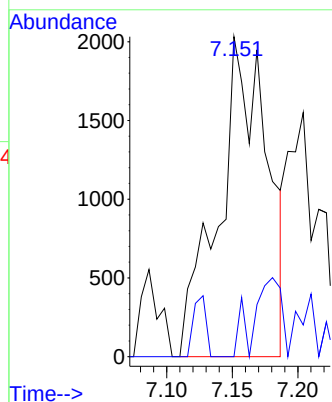
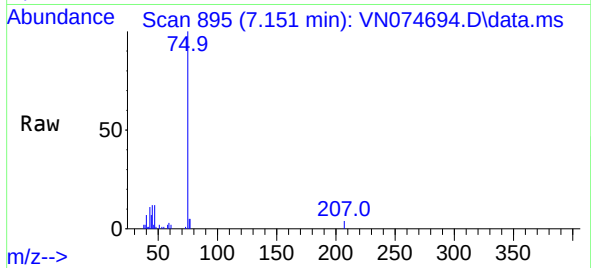




#25
2-Butanone
Concen: 0.448 ug/l
RT: 7.151 min Scan# 89
Delta R.T. -0.012 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

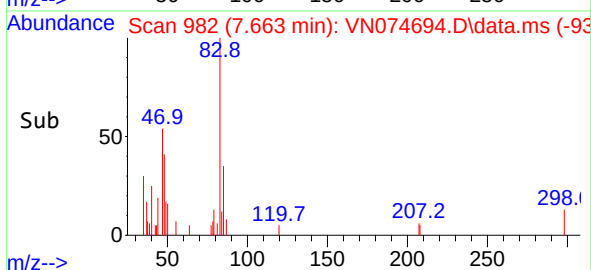
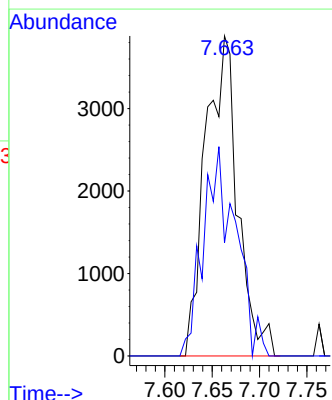
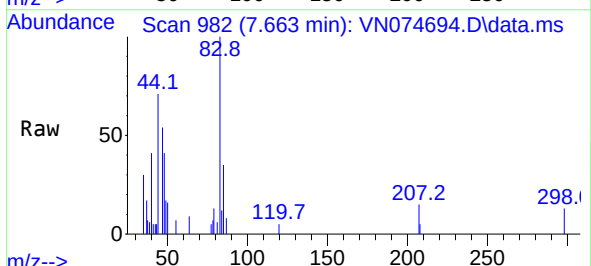
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MSVOA_N
ClientSampleId :

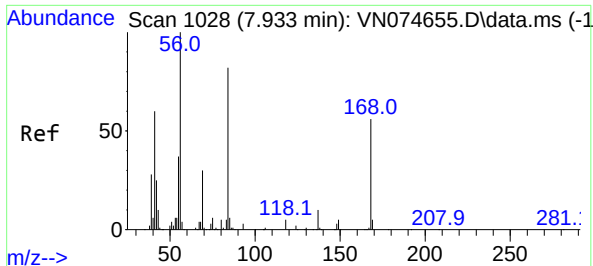
Tgt Ion: 43 Resp: 5217
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#30
Chloroform
Concen: 0.471 ug/l
RT: 7.663 min Scan# 982
Delta R.T. 0.006 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

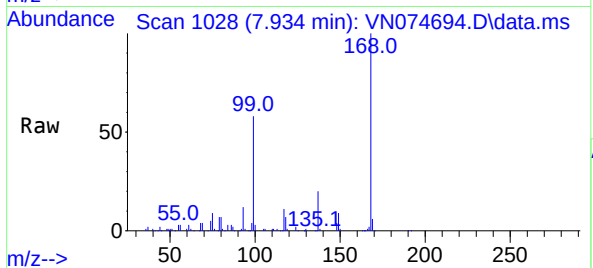
Tgt Ion: 83 Resp: 9174
Ion Ratio Lower Upper
83 100
85 35.3 51.8 77.8#



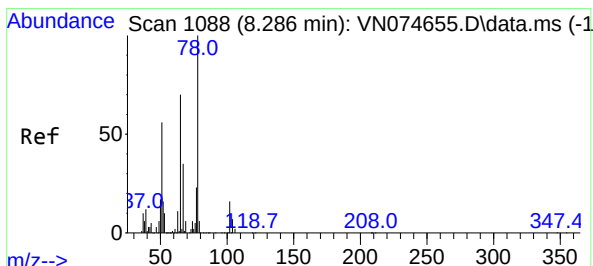
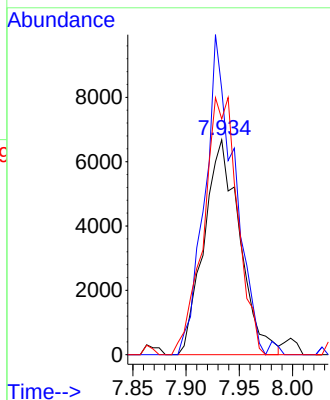
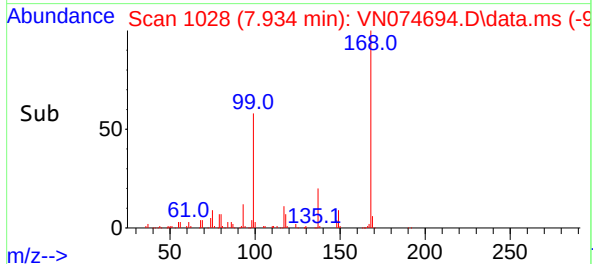


#31
Cyclohexane
Concen: 0.757 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Instrument :
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ClientSampleId :

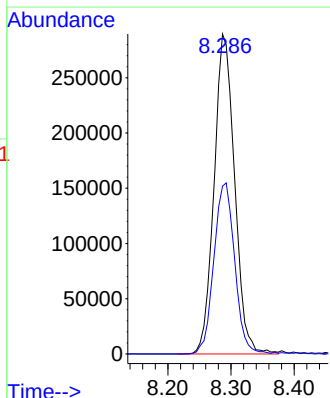
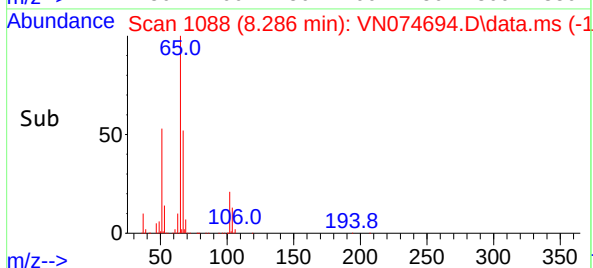
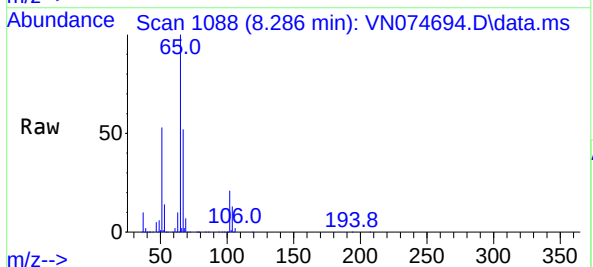


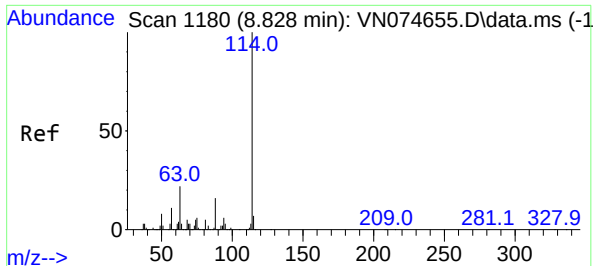
Tgt Ion: 56 Resp: 15580
Ion Ratio Lower Upper
56 100
69 123.5 27.8 41.8#
84 109.7 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 51.764 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Tgt Ion: 65 Resp: 655406
Ion Ratio Lower Upper
65 100
67 54.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.828 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VN074694.D

Acq: 01 Oct 2022 06:50

Instrument :

MSVOA_N

ClientSampleId :

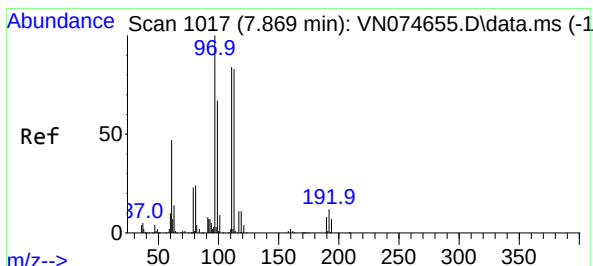
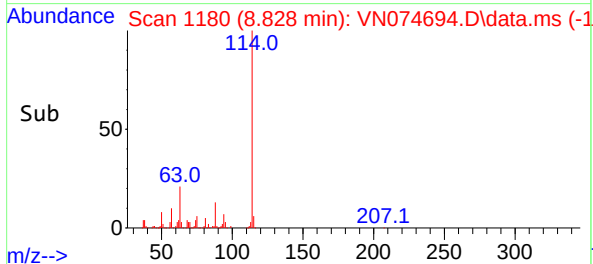
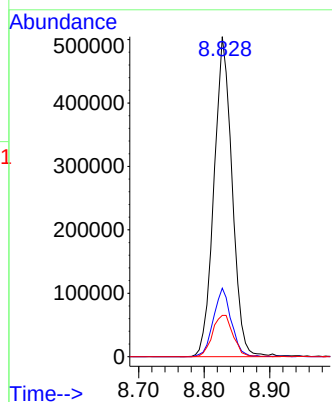
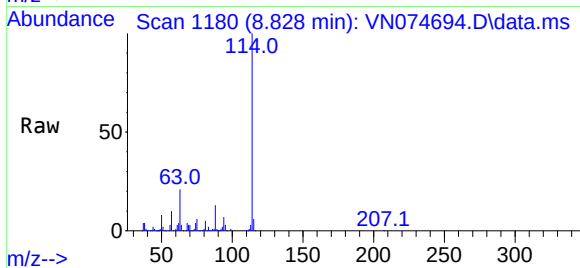
Tgt Ion:114 Resp: 967975

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 12.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.815 ug/l

RT: 7.869 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VN074694.D

Acq: 01 Oct 2022 06:50

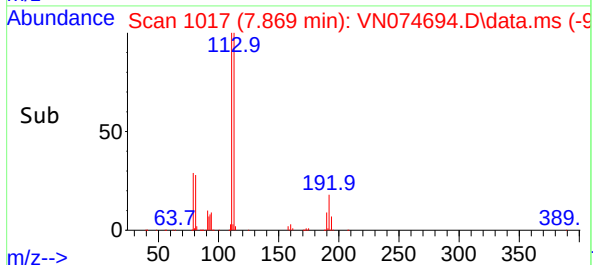
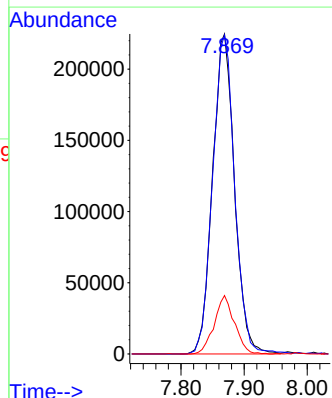
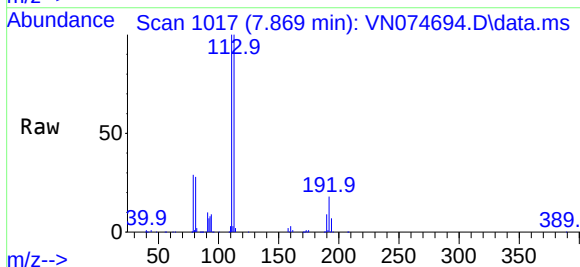
Tgt Ion:113 Resp: 541121

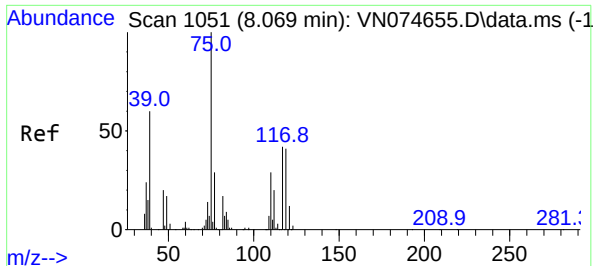
Ion Ratio Lower Upper

113 100

111 100.4 81.4 122.0

192 16.8 17.0 25.6#

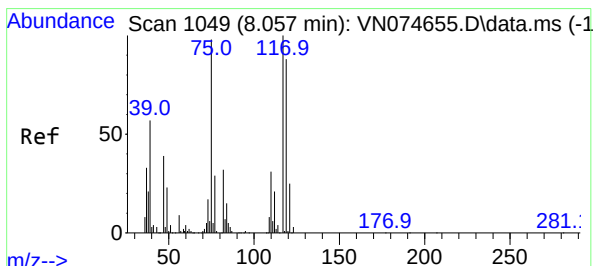
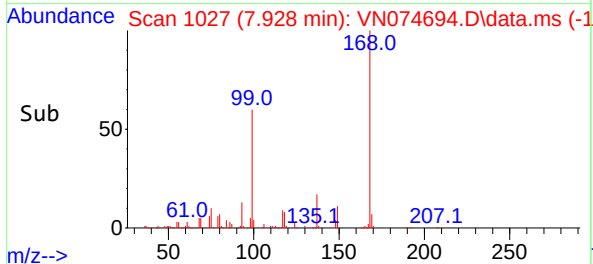
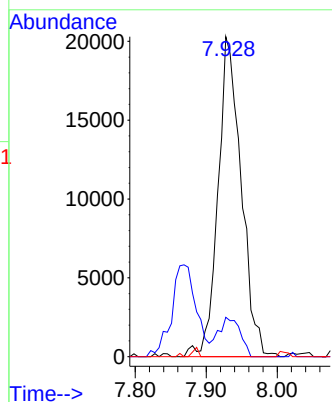
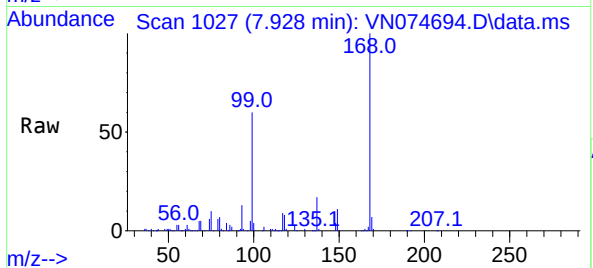




#36
1,1-Dichloropropene
Concen: 2.802 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.141 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

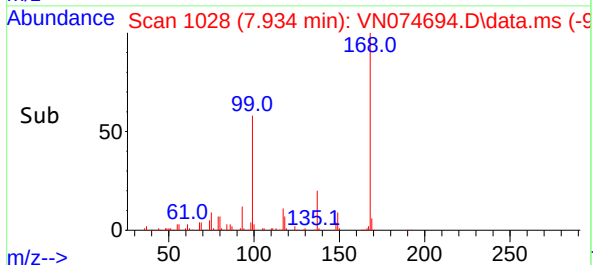
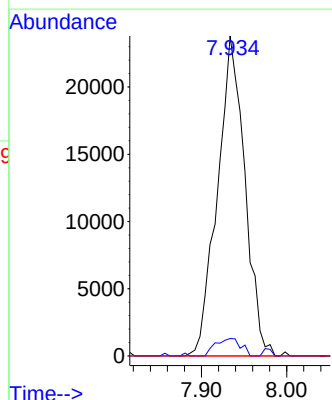
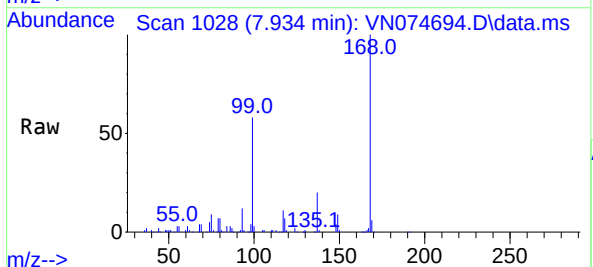
Instrument :
MSVOA_N
ClientSampleId :

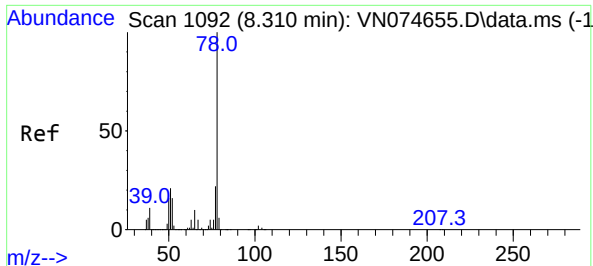
Tgt Ion: 75 Resp: 45970
Ion Ratio Lower Upper
75 100
110 11.6 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 3.536 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Tgt Ion: 117 Resp: 53151
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#

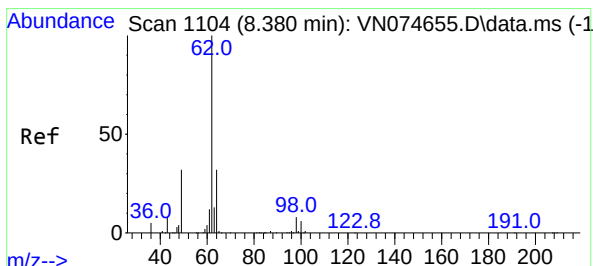
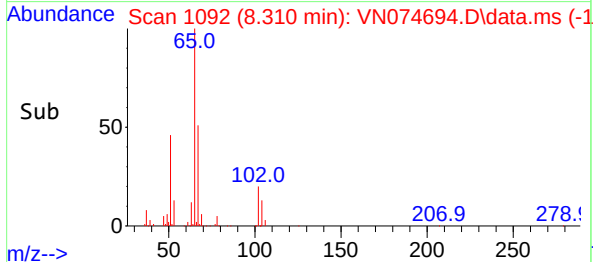
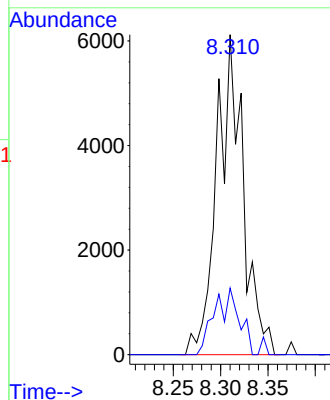
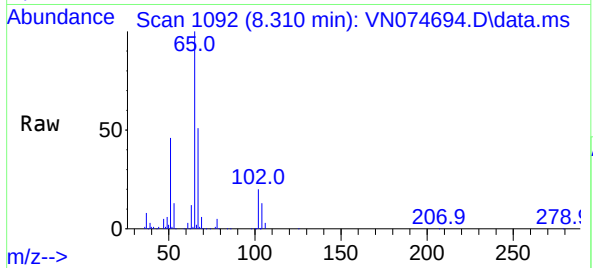




#40
Benzene
Concen: 0.233 ug/l
RT: 8.310 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

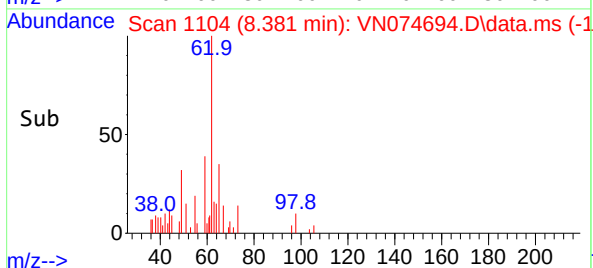
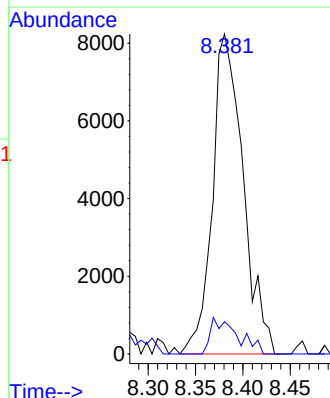
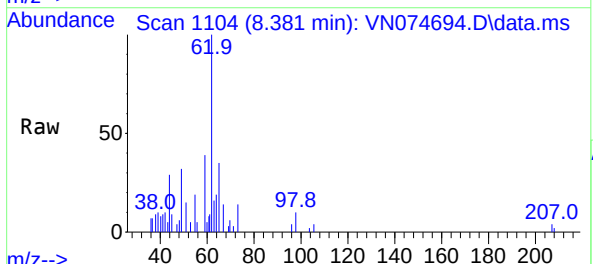
Instrument :
MSVOA_N
ClientSampleId :

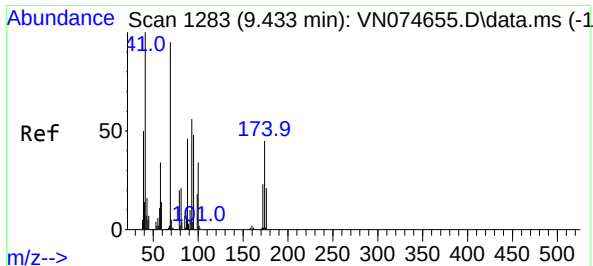
Tgt Ion: 78 Resp: 11764
Ion Ratio Lower Upper
78 100
77 20.8 19.4 29.0



#42
1,2-Dichloroethane
Concen: 1.090 ug/l
RT: 8.381 min Scan# 1104
Delta R.T. 0.001 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

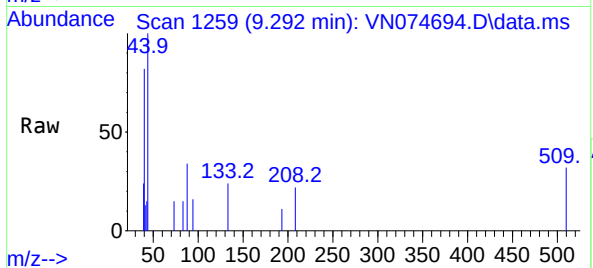
Tgt Ion: 62 Resp: 18523
Ion Ratio Lower Upper
62 100
98 7.9 0.0 19.4



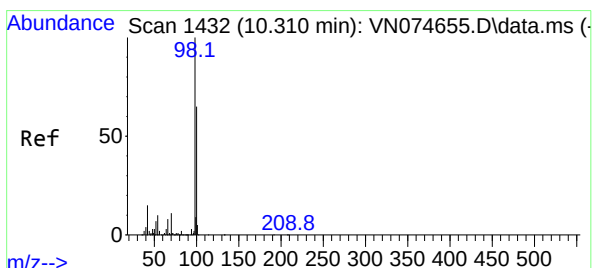
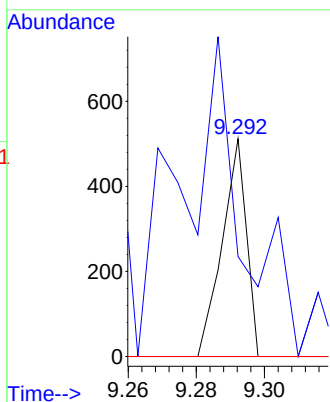
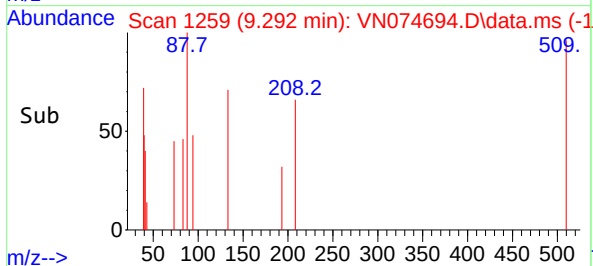


#49
1,4-Dioxane
Concen: 0.826 ug/l
RT: 9.292 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Instrument :
MSVOA_N
ClientSampleId :

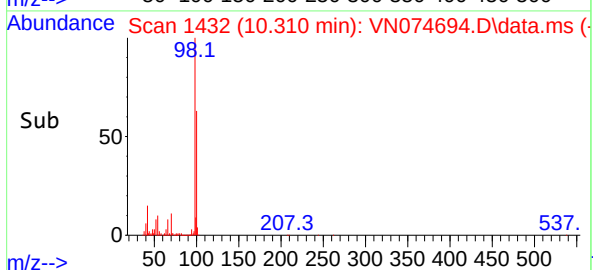
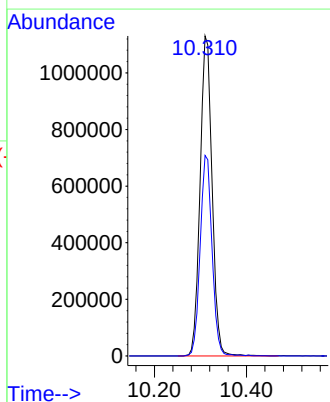
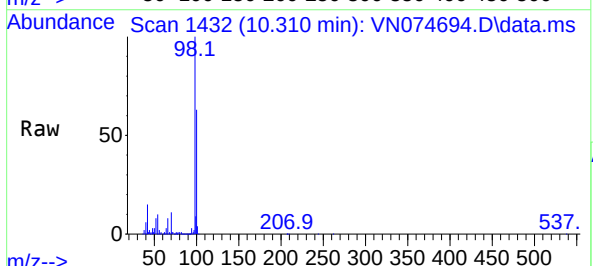


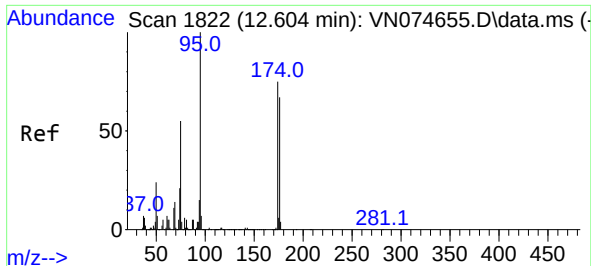
Tgt Ion: 88 Resp: 252
Ion Ratio Lower Upper
88 100
43 394.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 47.585 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Tgt Ion: 98 Resp: 2050716
Ion Ratio Lower Upper
98 100
100 62.1 52.6 78.8

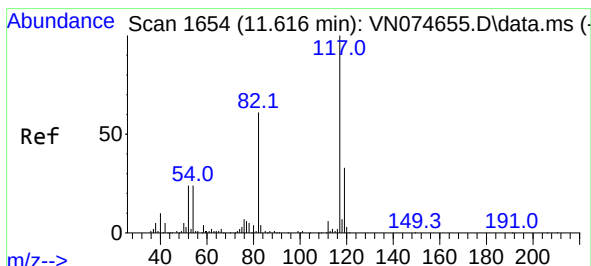
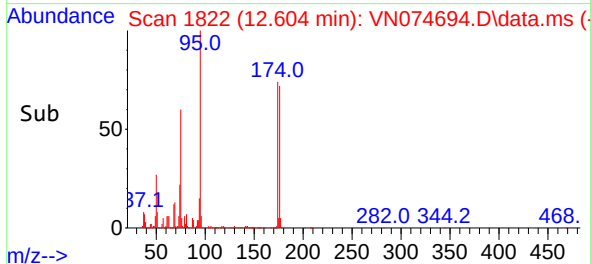
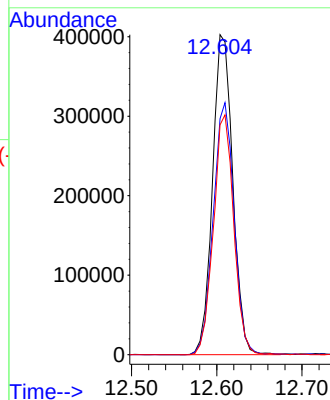
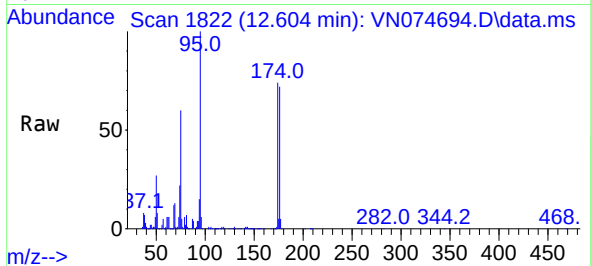




#62
4-Bromofluorobenzene
Concen: 48.622 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

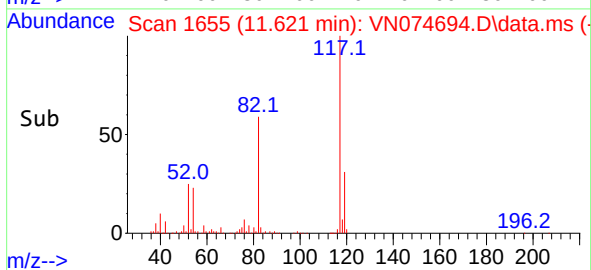
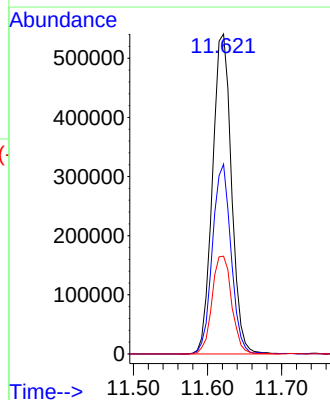
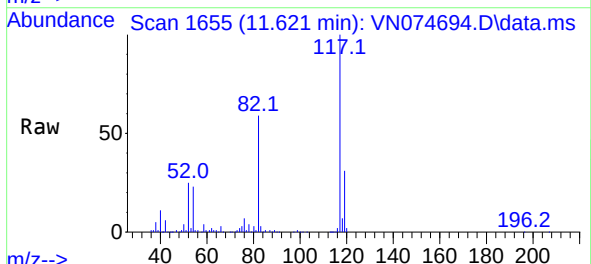
Instrument :
MSVOA_N
ClientSampleId :

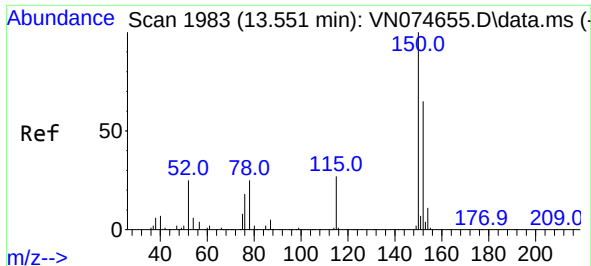
Tgt Ion: 95 Resp: 664434
Ion Ratio Lower Upper
95 100
174 81.2 0.0 167.6
176 75.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.621 min Scan# 1655
Delta R.T. 0.005 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

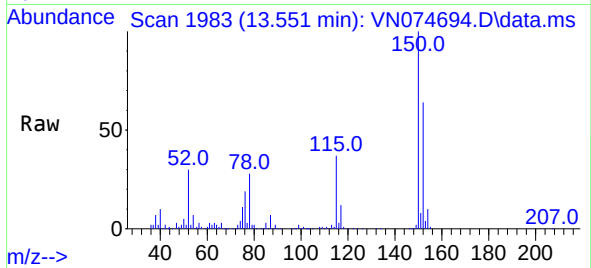
Tgt Ion: 117 Resp: 963845
Ion Ratio Lower Upper
117 100
82 59.3 44.2 66.2
119 30.6 25.4 38.0



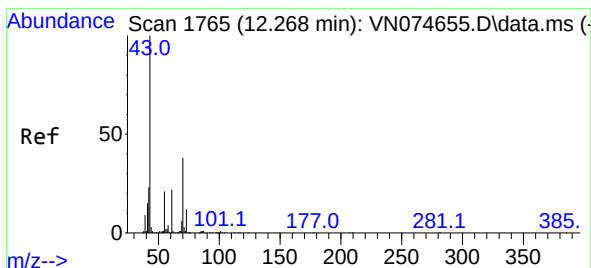
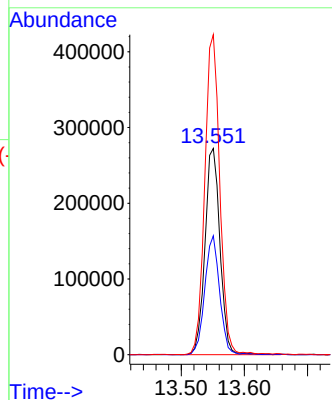
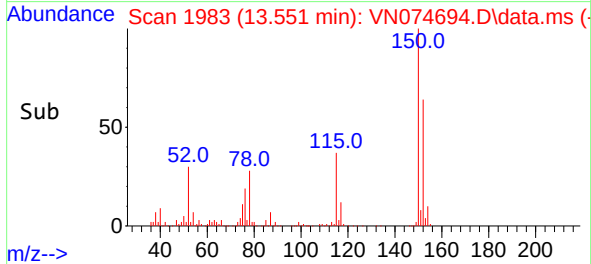


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

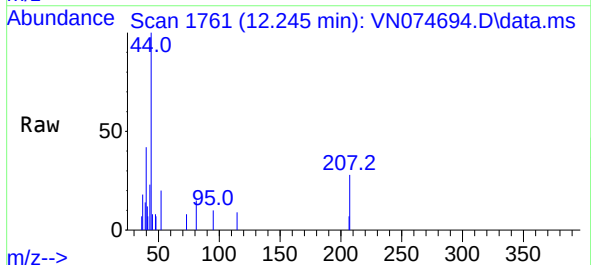
Instrument :
MSVOA_N
ClientSampleId :



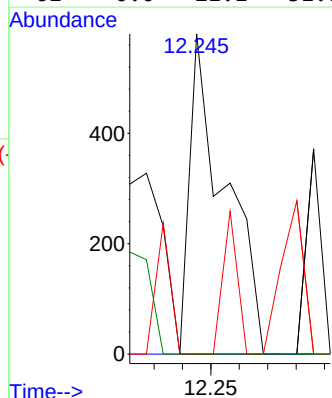
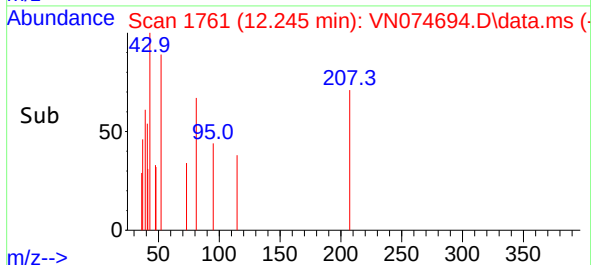
Tgt Ion:152 Resp: 449844
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.7
150 155.3 0.0 356.2

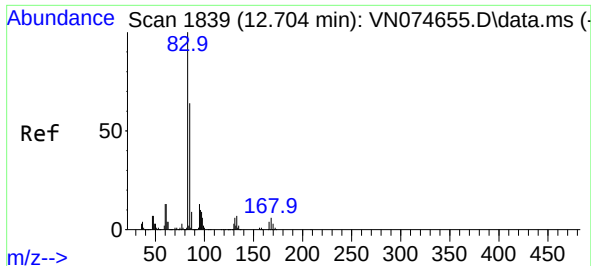


#74
N-ethyl acetate
Concen: Below Cal
RT: 12.245 min Scan# 1761
Delta R.T. -0.023 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50



Tgt Ion: 43 Resp: 501
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 18.2 21.1 31.7#
61 0.0 21.1 31.7#

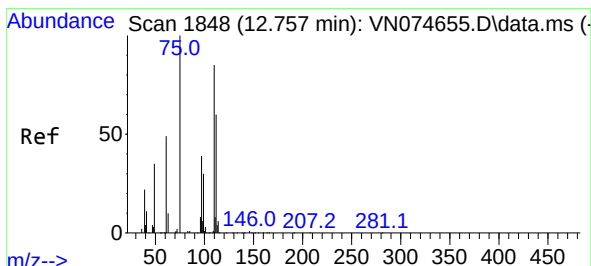
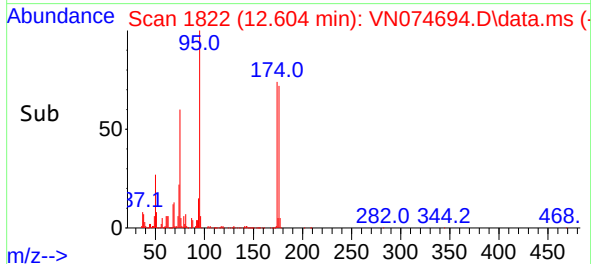
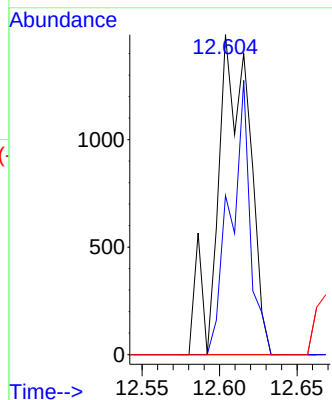
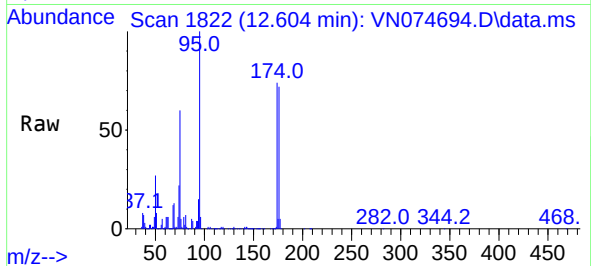




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.604 min Scan# 1822
Delta R.T. -0.100 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

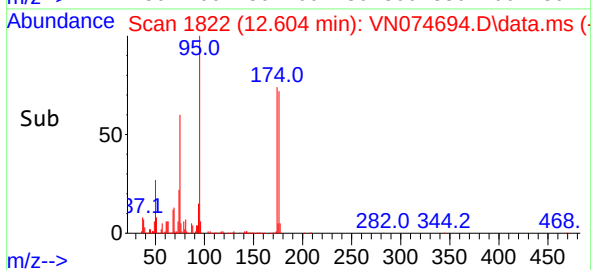
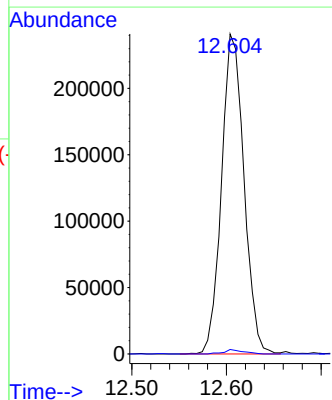
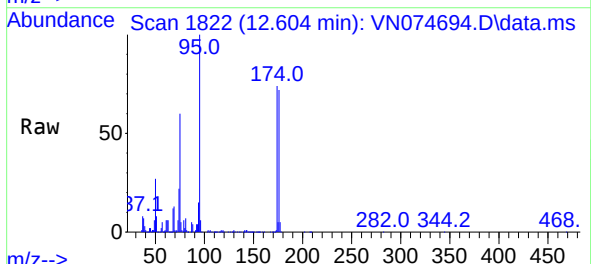
Instrument :
MSVOA_N
ClientSampleId :

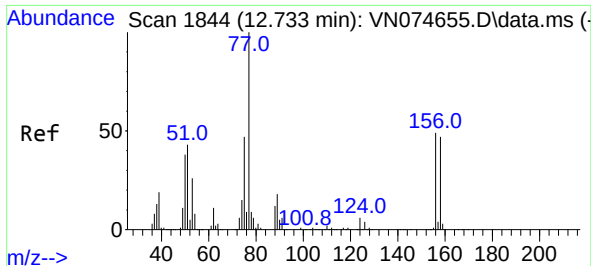
Tgt Ion: 83 Resp: 2160
Ion Ratio Lower Upper
83 100
131 52.8 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 38.997 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

Tgt Ion: 75 Resp: 397433
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

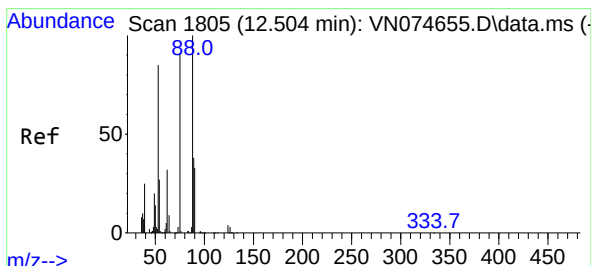
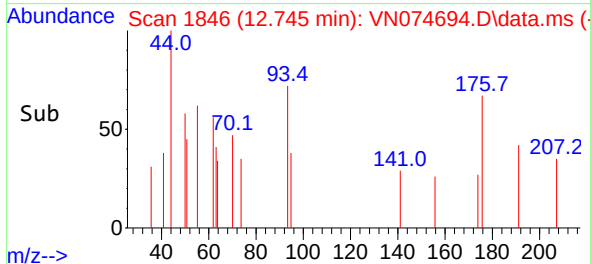
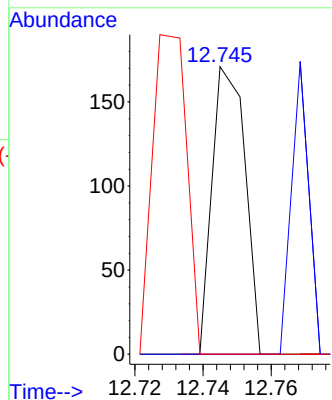
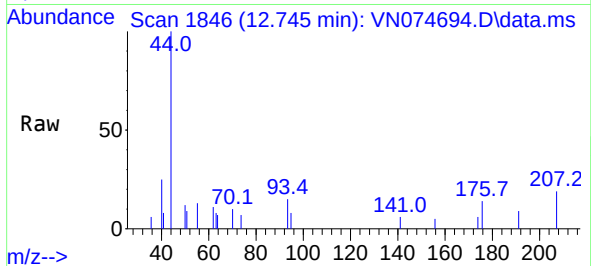




#77
Bromobenzene
Concen: Below Cal
RT: 12.745 min Scan# 1844
Delta R.T. 0.012 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

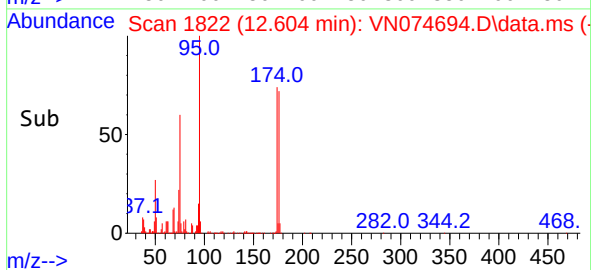
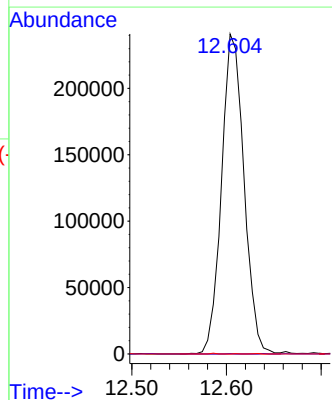
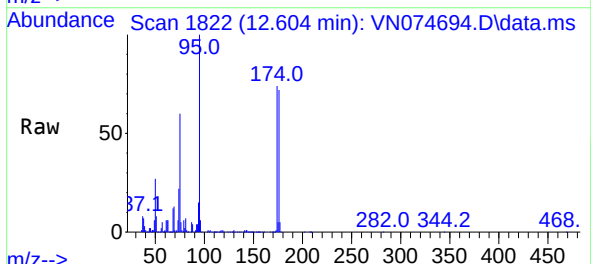
Instrument :
MSVOA_N
ClientSampleId :

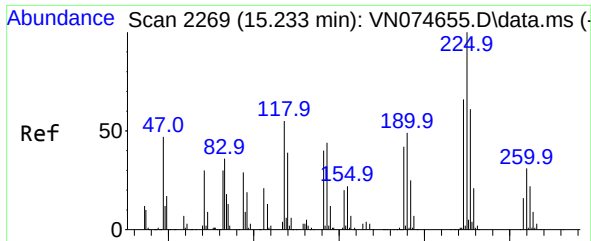
Tgt Ion:156 Resp: 114
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 116.7 48.9 146.6



#81
trans-1,4-Dichloro-2-butene
Concen: 73.830 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074694.D
Acq: 01 Oct 2022 06:50

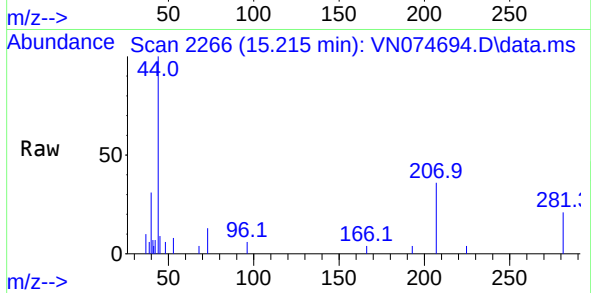
Tgt Ion: 75 Resp: 397433
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.215 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: VN074694.D
 Acq: 01 Oct 2022 06:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	60
Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.4	97.2#
227	0.0	31.8	95.4#

