

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074690.D
 Acq On : 01 Oct 2022 05:12
 Operator : JC\MD
 Sample : N4882-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:11:50 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	531132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1004770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.621	117	1031505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	475231	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	687847	51.674	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.340%	
35) Dibromofluoromethane	7.869	113	552188	51.922	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.840%	
50) Toluene-d8	10.310	98	2078712	46.468	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.940%	
62) 4-Bromofluorobenzene	12.610	95	685514	48.328	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.660%	

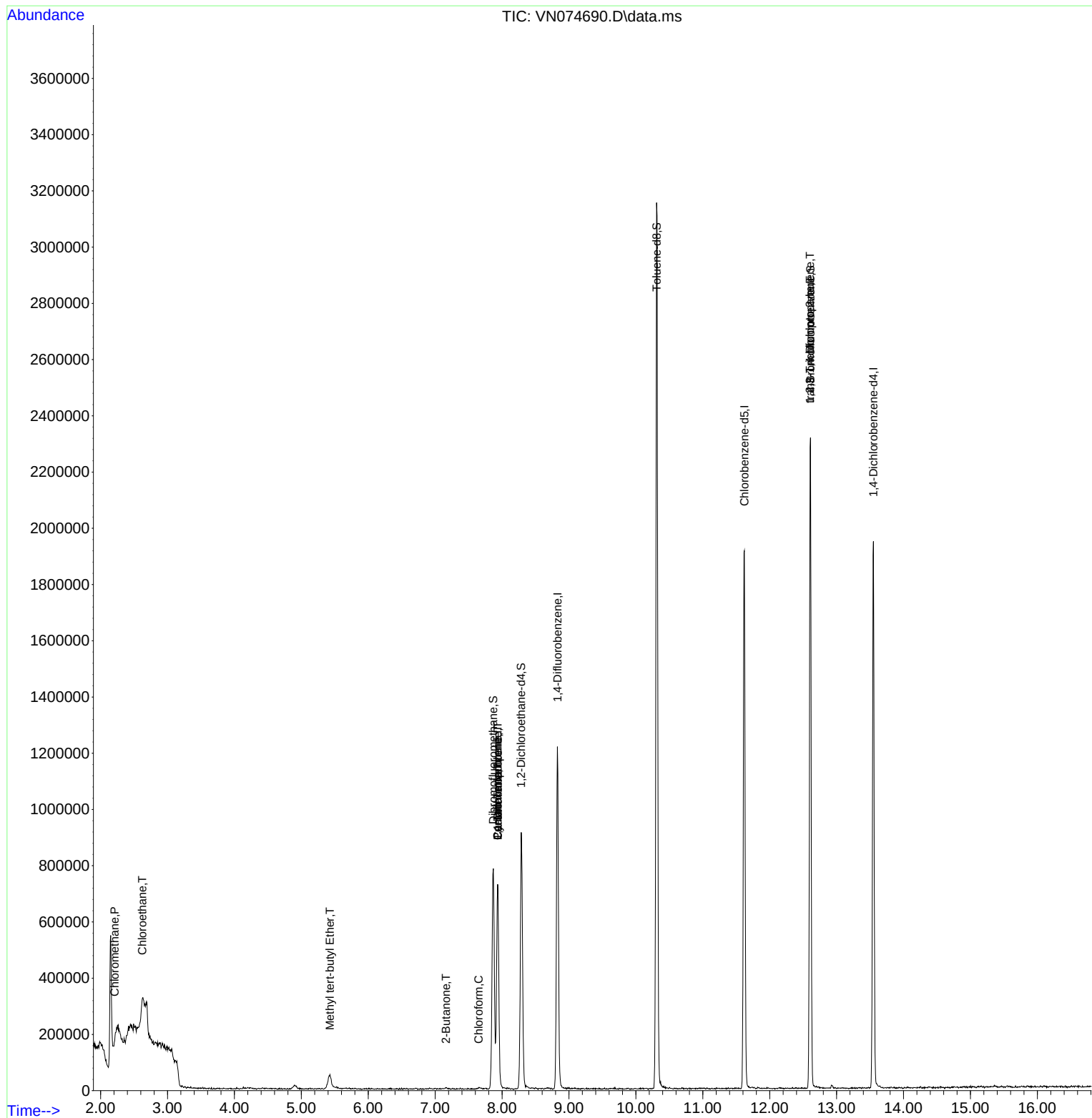
Target Compounds			Qvalue			
3) Chloromethane	2.210	50	4612	0.284	ug/l #	55
6) Chloroethane	2.622	64	51663	2.846	ug/l #	42
8) Diethyl Ether	3.751	74	55	Below Cal	#	1
13) Acrolein	3.881	56	85	Below Cal	#	1
16) Acetone	4.146	43	2385	Below Cal	#	78
19) Methyl tert-butyl Ether	5.428	73	77228	2.040	ug/l #	83
20) Methylene Chloride	4.904	84	9095	Below Cal	#	81
25) 2-Butanone	7.163	43	5561	0.454	ug/l	94
30) Chloroform	7.651	83	5450	0.266	ug/l #	71
31) Cyclohexane	7.934	56	14489	0.670	ug/l #	53
36) 1,1-Dichloropropene	7.934	75	48620	2.855	ug/l #	49
38) Carbon Tetrachloride	7.934	117	57312	3.673	ug/l #	17
74) N-amyl acetate	12.263	43	346	Below Cal	#	77
75) 1,1,2,2-Tetrachloroethane	12.616	83	685	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.604	75	410563	38.069	ug/l #	1
77) Bromobenzene	12.733	156	53	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	410563	72.195	ug/l #	10

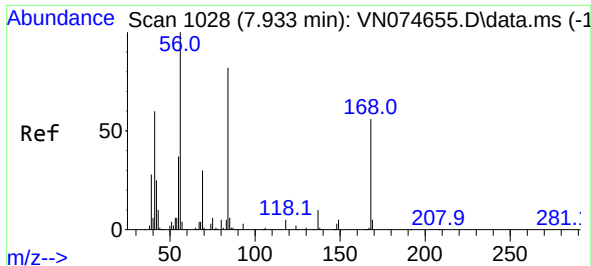
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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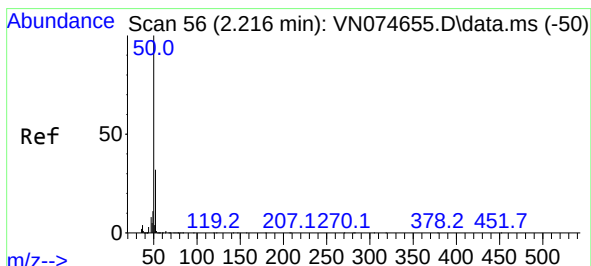
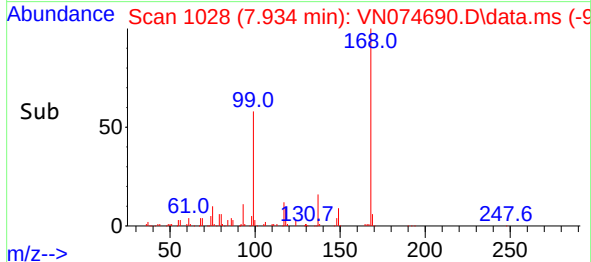
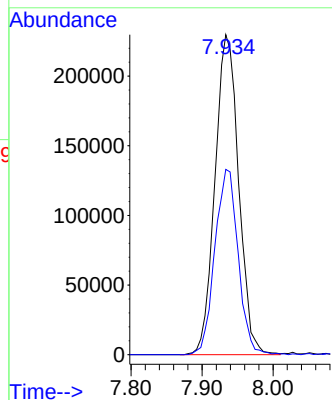
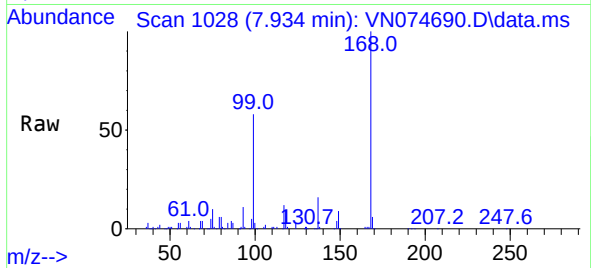




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

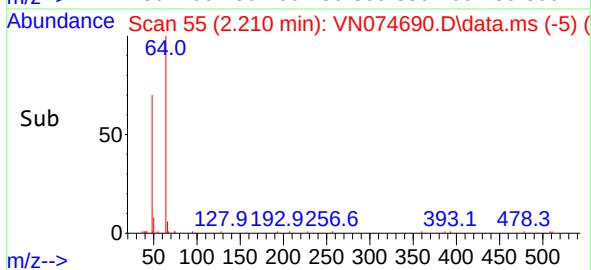
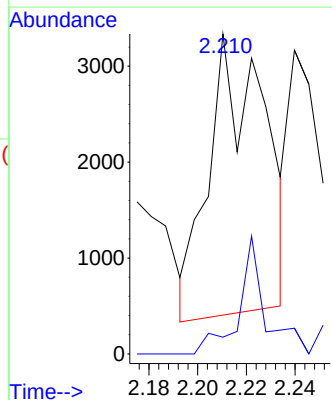
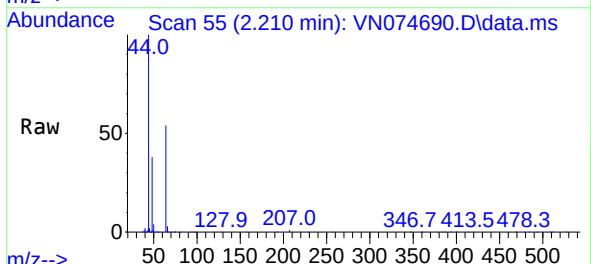
Instrument :
MSVOA_N
ClientSampleId :

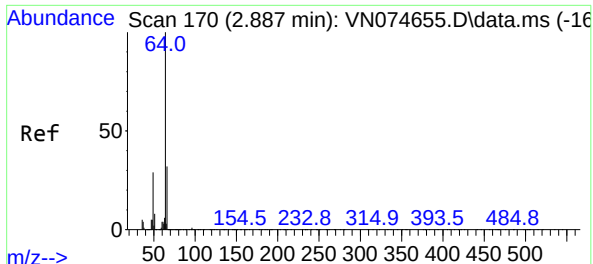
Tgt Ion:168 Resp: 531132
Ion Ratio Lower Upper
168 100
99 57.9 42.3 63.5



#3
Chloromethane
Concen: 0.284 ug/l
RT: 2.210 min Scan# 55
Delta R.T. -0.006 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

Tgt Ion: 50 Resp: 4612
Ion Ratio Lower Upper
50 100
52 6.9 25.7 38.5#

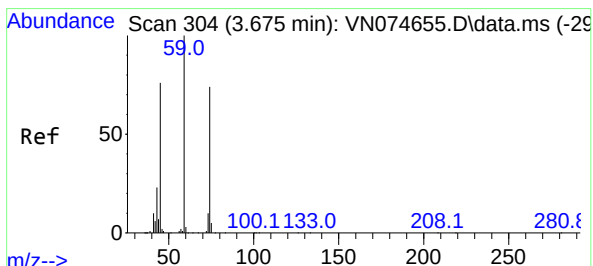
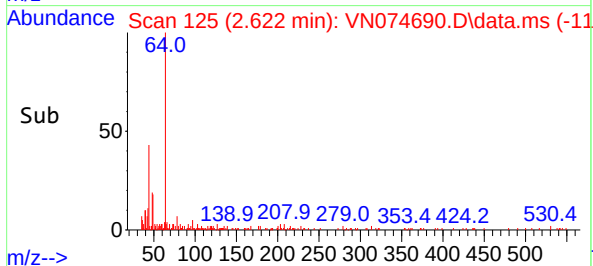
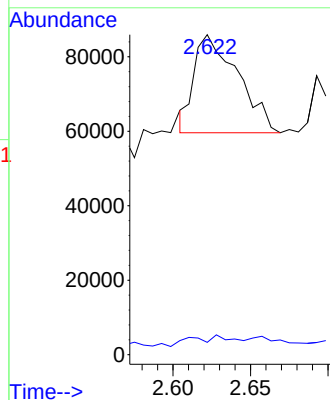
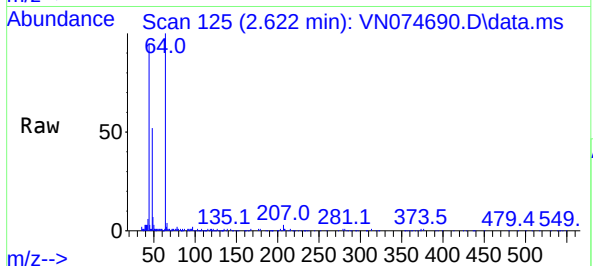




#6
Chloroethane
Concen: 2.846 ug/l
RT: 2.622 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

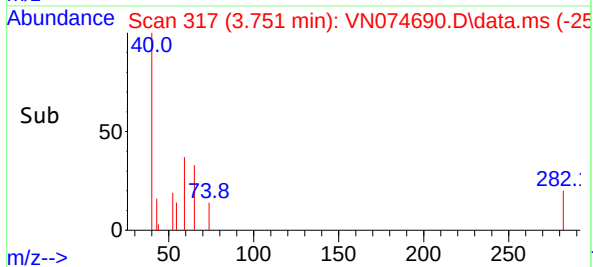
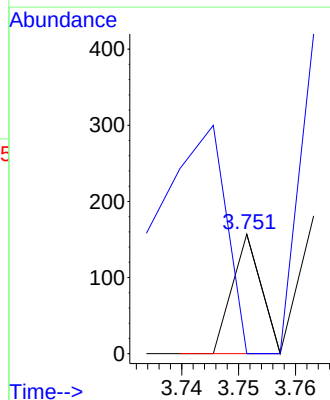
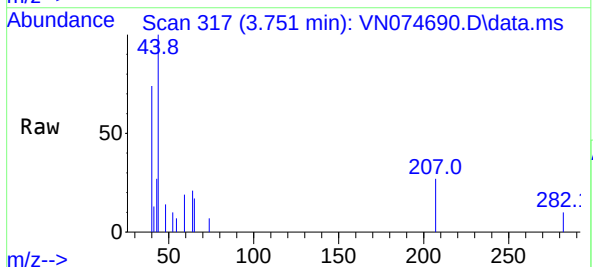
Instrument :
MSVOA_N
ClientSampleId :

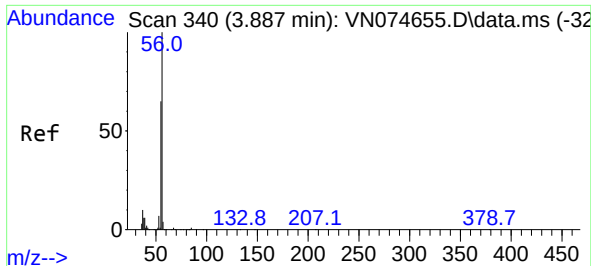
Tgt Ion: 64 Resp: 51663
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.751 min Scan# 317
Delta R.T. 0.076 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

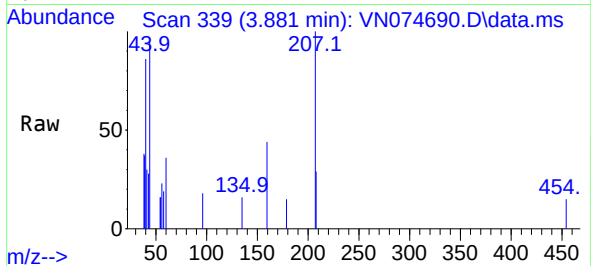
Tgt Ion: 74 Resp: 55
Ion Ratio Lower Upper
74 100
45 269.1 42.9 128.5#



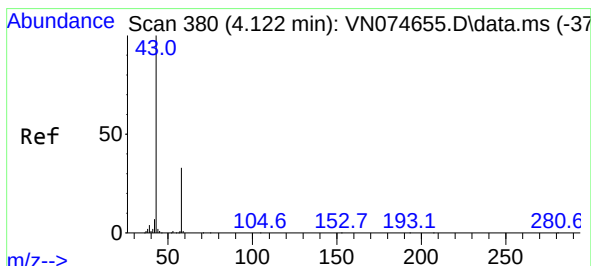
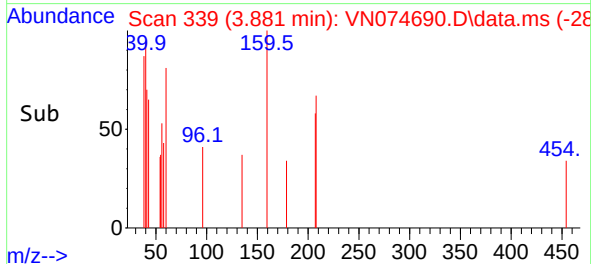
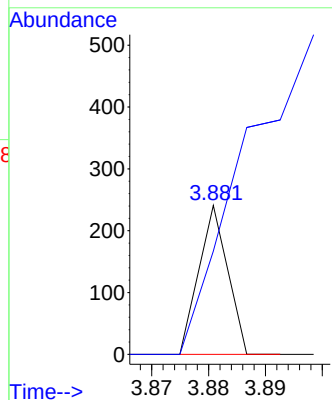


#13
Acrolein
Concen: Below Cal
RT: 3.881 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

Instrument :
MSVOA_N
ClientSampleId :

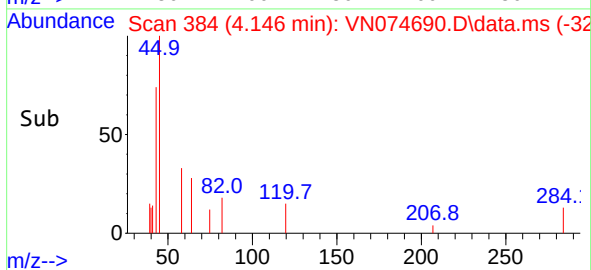
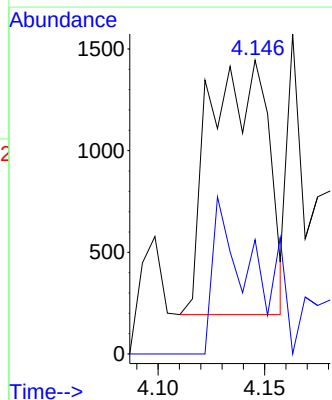
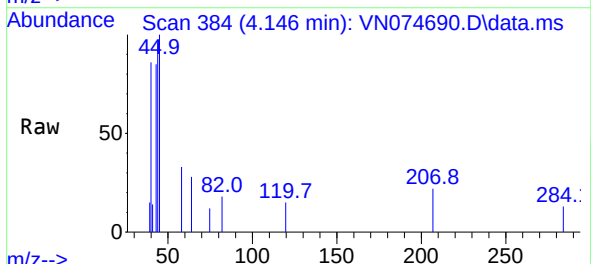


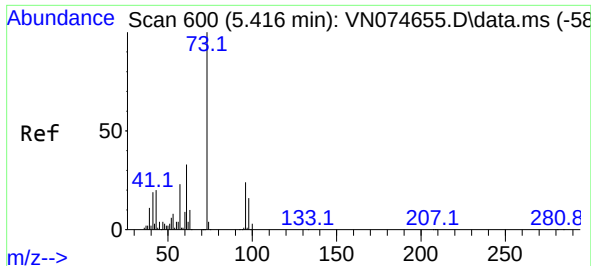
Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 594.1 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.146 min Scan# 384
Delta R.T. 0.024 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

Tgt Ion: 43 Resp: 2385
Ion Ratio Lower Upper
43 100
58 44.9 26.0 39.0#

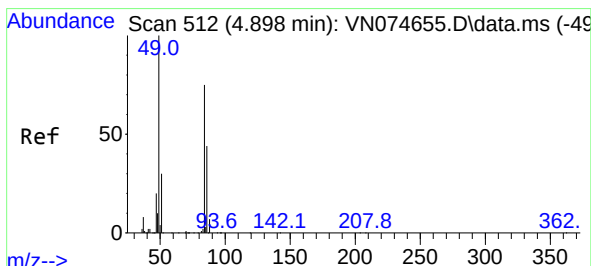
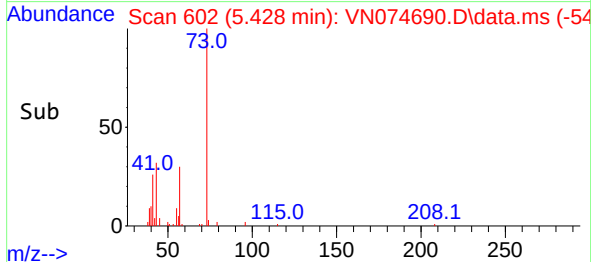
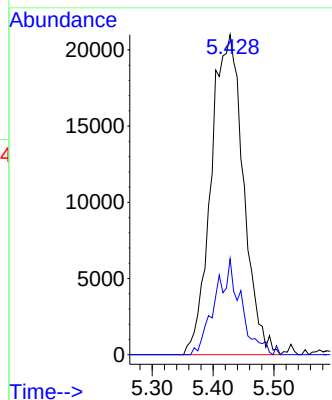
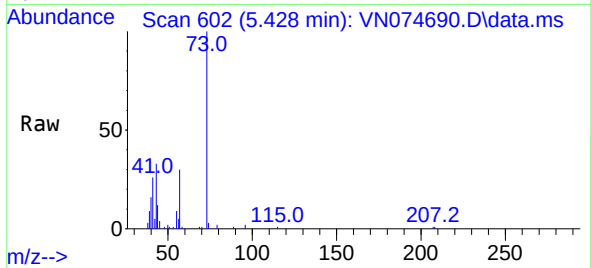




#19
Methyl tert-butyl Ether
Concen: 2.040 ug/l
RT: 5.428 min Scan# 601
Delta R.T. 0.012 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

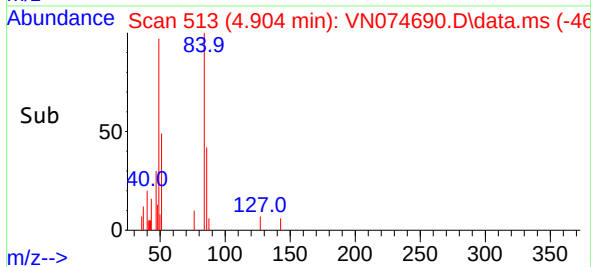
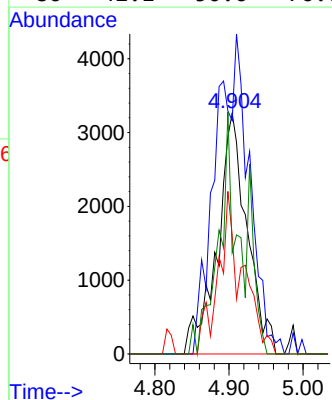
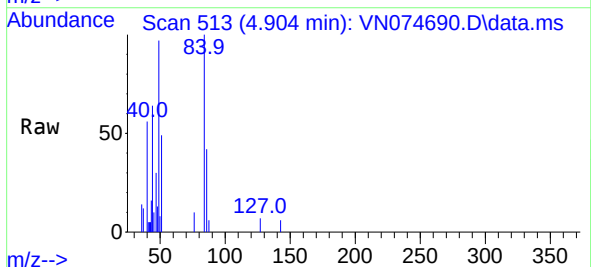
Instrument :
MSVOA_N
ClientSampleId :

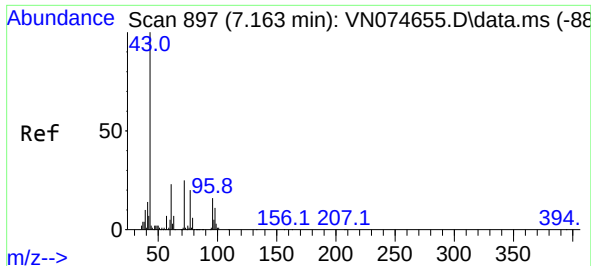
Tgt Ion: 73 Resp: 77228
Ion Ratio Lower Upper
73 100
57 30.0 17.6 26.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.904 min Scan# 513
Delta R.T. 0.006 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

Tgt Ion: 84 Resp: 9095
Ion Ratio Lower Upper
84 100
49 96.9 88.3 132.5
51 49.4 28.2 42.2#
86 42.1 50.6 76.0#

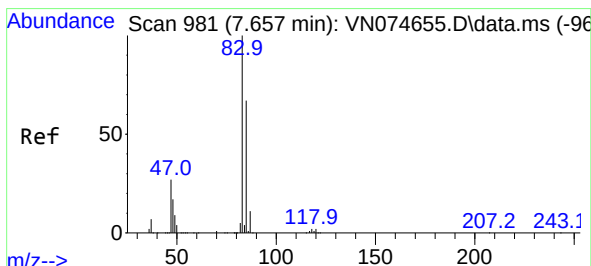
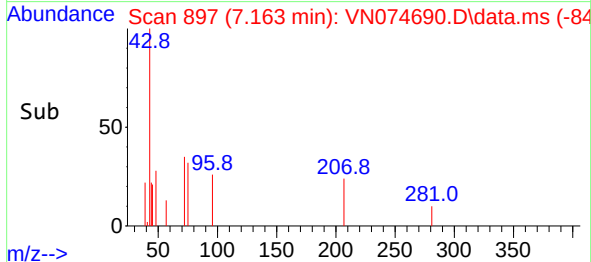
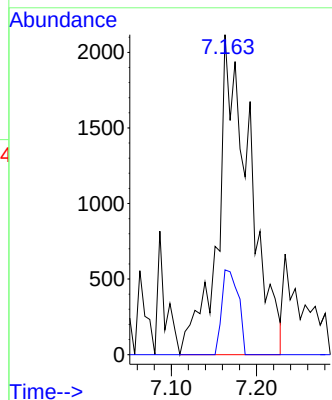
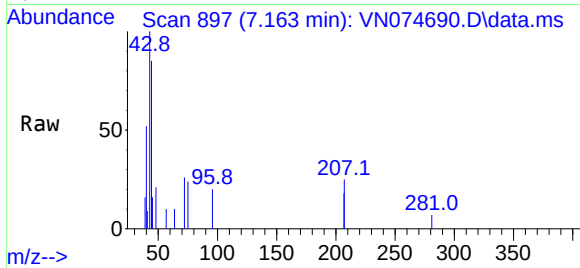




#25
2-Butanone
Concen: 0.454 ug/l
RT: 7.163 min Scan# 89
Delta R.T. -0.000 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

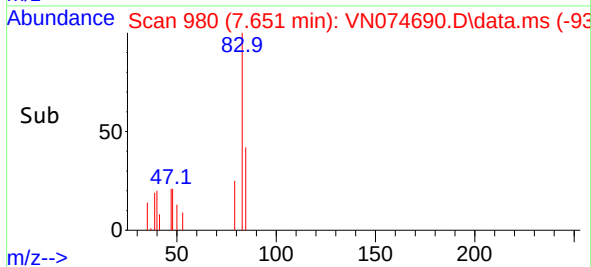
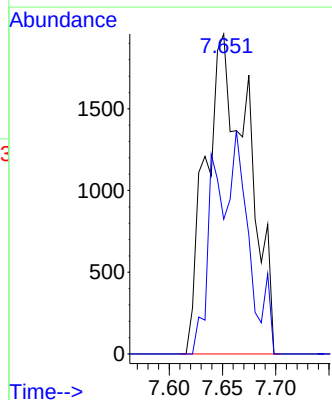
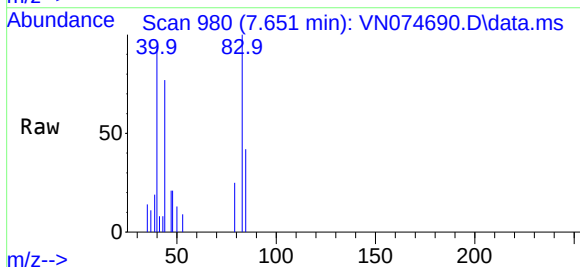
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MSVOA_N
ClientSampleId :

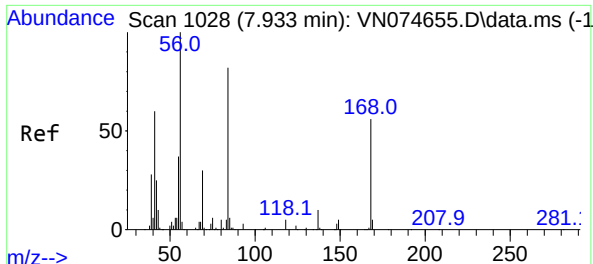
Tgt Ion: 43 Resp: 5561
Ion Ratio Lower Upper
43 100
72 26.5 23.7 35.5



#30
Chloroform
Concen: 0.266 ug/l
RT: 7.651 min Scan# 980
Delta R.T. -0.006 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

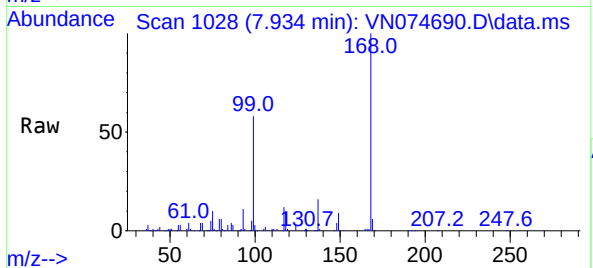
Tgt Ion: 83 Resp: 5450
Ion Ratio Lower Upper
83 100
85 42.1 51.8 77.8#



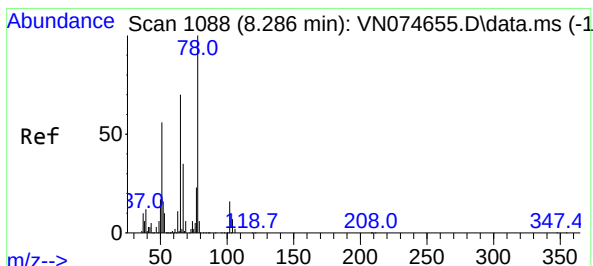
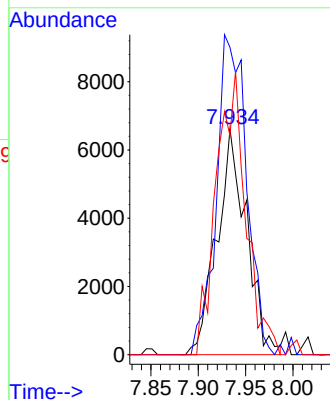
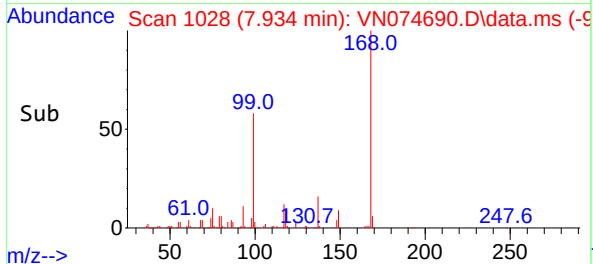


#31
Cyclohexane
Concen: 0.670 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

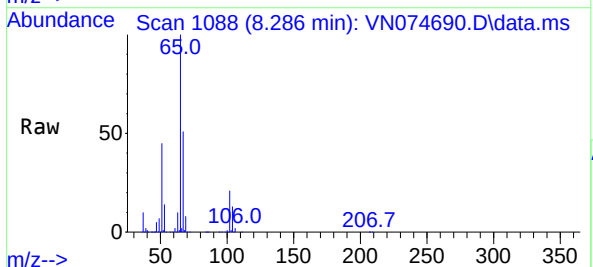
Instrument :
MSVOA_N
ClientSampleId :



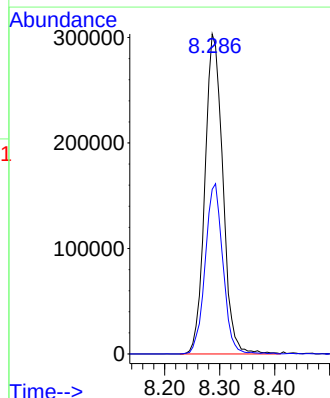
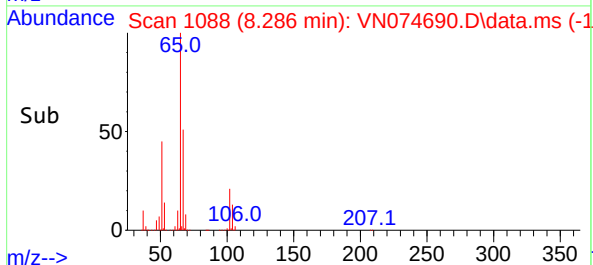
Tgt Ion: 56 Resp: 14489
Ion Ratio Lower Upper
56 100
69 136.0 27.8 41.8#
84 97.0 76.9 115.3

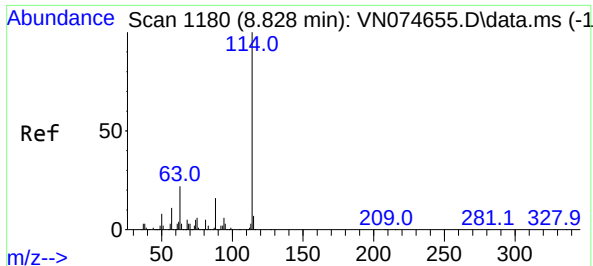


#33
1,2-Dichloroethane-d4
Concen: 51.674 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12



Tgt Ion: 65 Resp: 687847
Ion Ratio Lower Upper
65 100
67 52.5 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: VN074690.D

Acq: 01 Oct 2022 05:12

Instrument :

MSVOA_N

ClientSampleId :

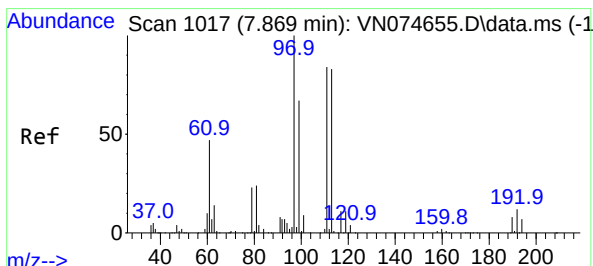
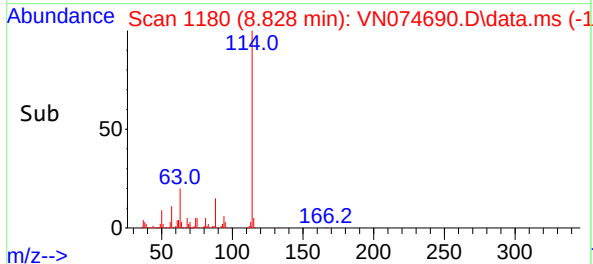
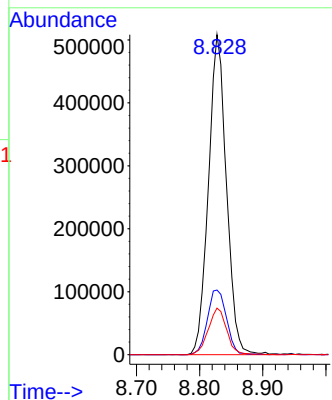
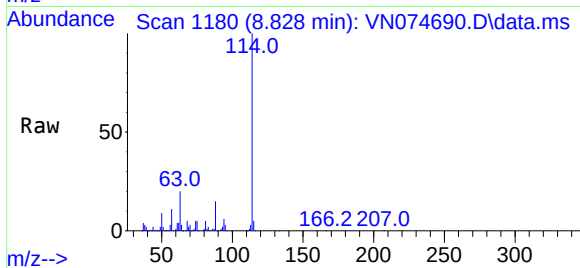
Tgt Ion:114 Resp: 1004770

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 14.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.922 ug/l

RT: 7.869 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VN074690.D

Acq: 01 Oct 2022 05:12

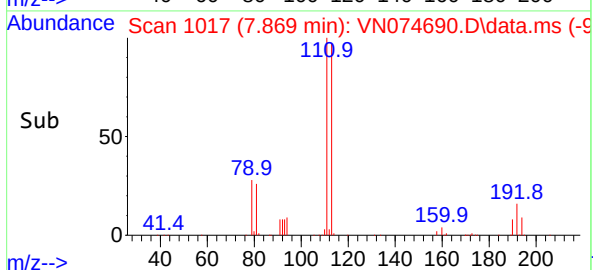
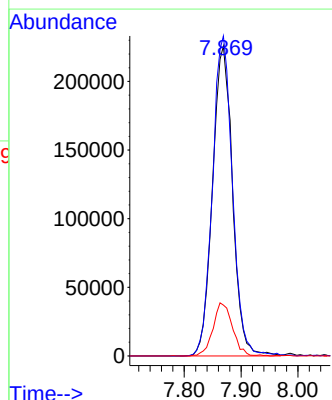
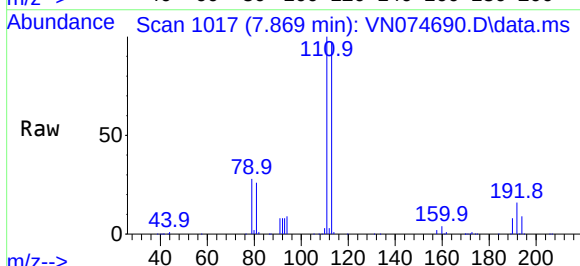
Tgt Ion:113 Resp: 552188

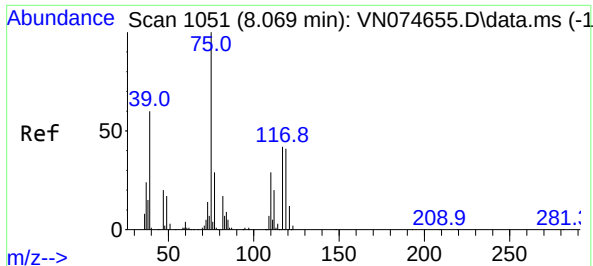
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 16.6 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 2.855 ug/l

RT: 7.934 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VN074690.D

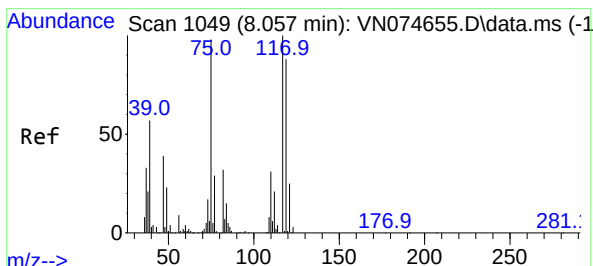
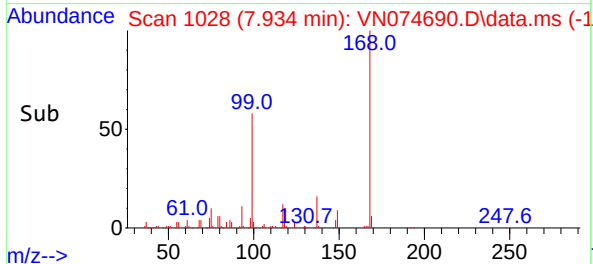
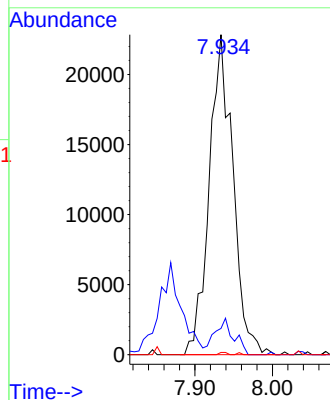
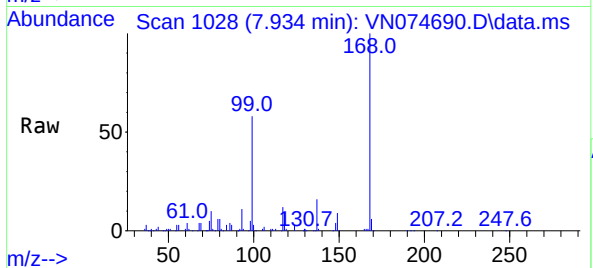
Acq: 01 Oct 2022 05:12

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 48620
Ion Ratio	Lower Upper
75 100	
110 9.1	18.3 54.8#
77 0.2	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 3.673 ug/l

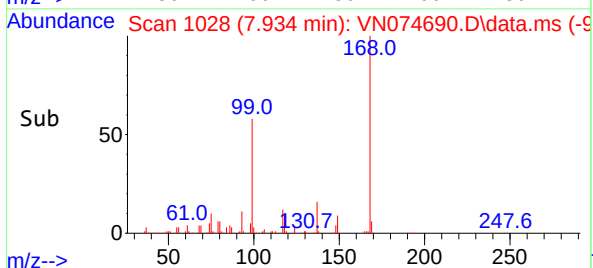
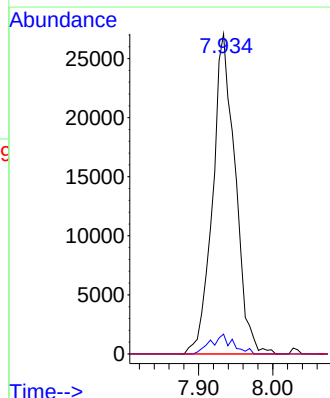
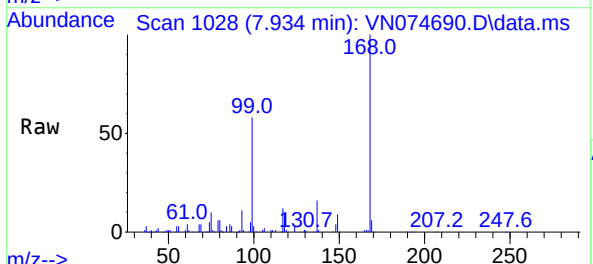
RT: 7.934 min Scan# 1028

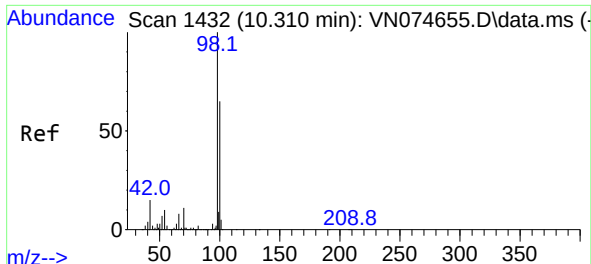
Delta R.T. -0.123 min

Lab File: VN074690.D

Acq: 01 Oct 2022 05:12

Tgt Ion: 117	Resp: 57312
Ion Ratio	Lower Upper
117 100	
119 6.2	75.8 113.8#
121 0.0	24.6 37.0#

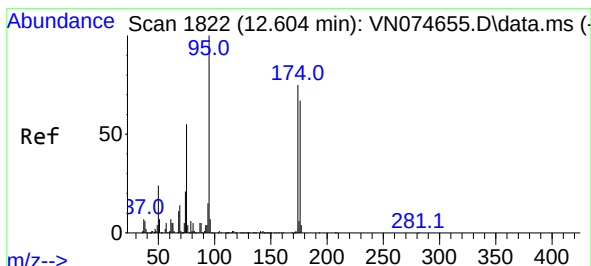
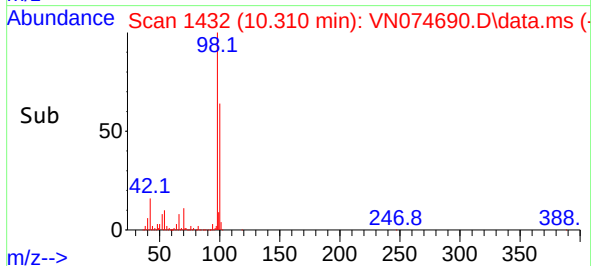
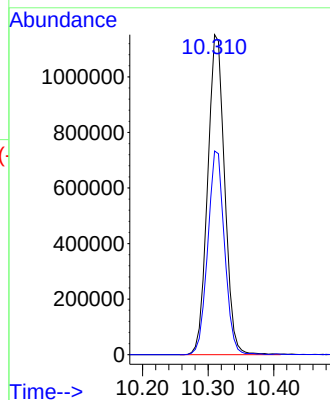
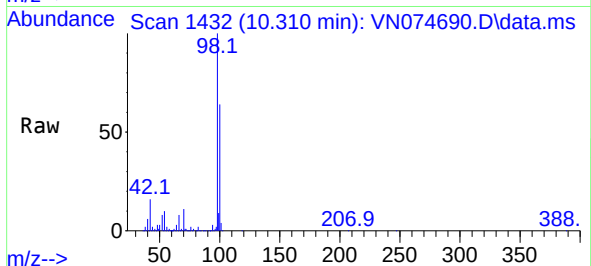




#50
Toluene-d8
Concen: 46.468 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

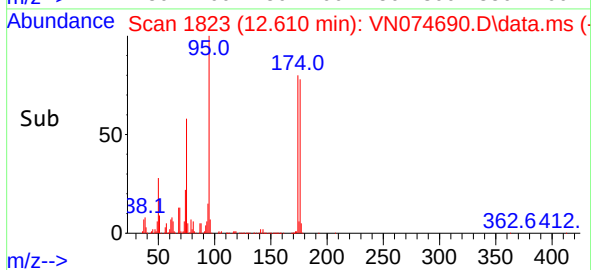
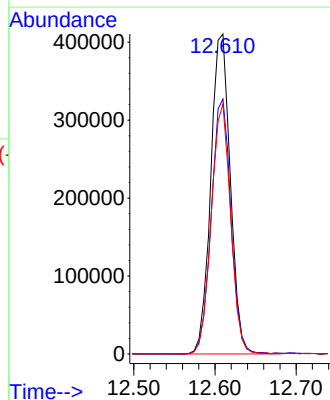
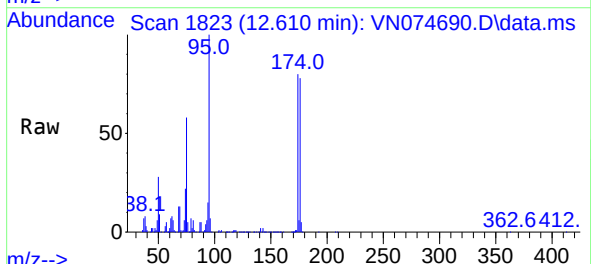
Instrument :
MSVOA_N
ClientSampleId :

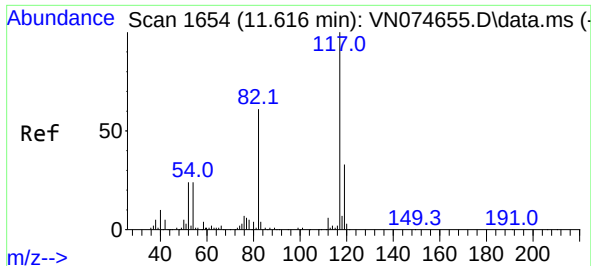
Tgt Ion: 98 Resp: 2078712
Ion Ratio Lower Upper
98 100
100 62.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 48.328 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

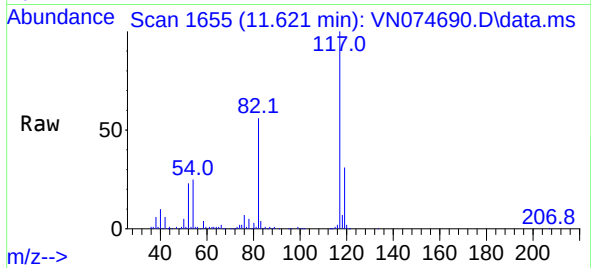
Tgt Ion: 95 Resp: 685514
Ion Ratio Lower Upper
95 100
174 80.1 0.0 167.6
176 77.4 0.0 163.4



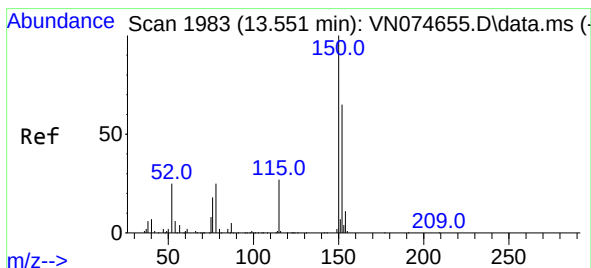
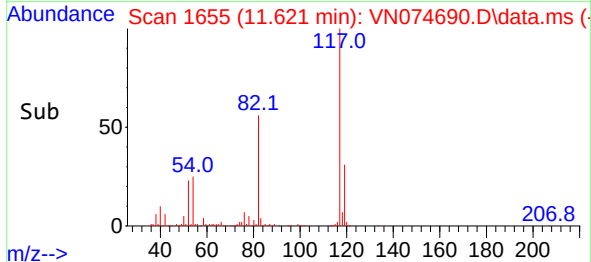
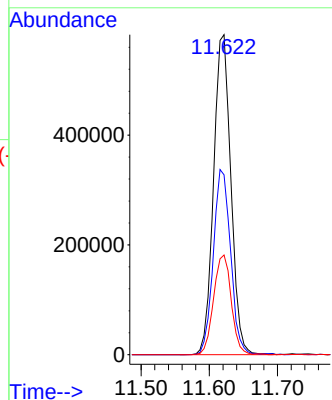


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.621 min Scan# 1165
Delta R.T. 0.005 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

Instrument :
MSVOA_N
ClientSampleId :

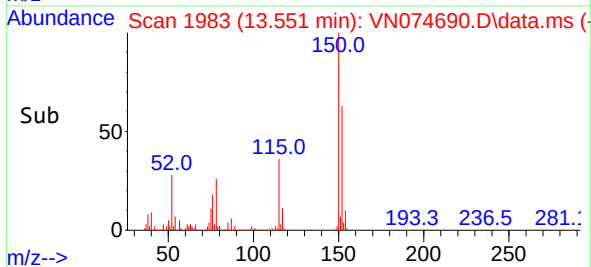
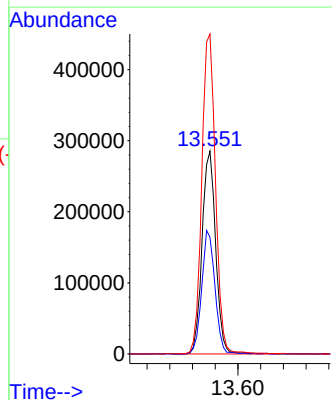
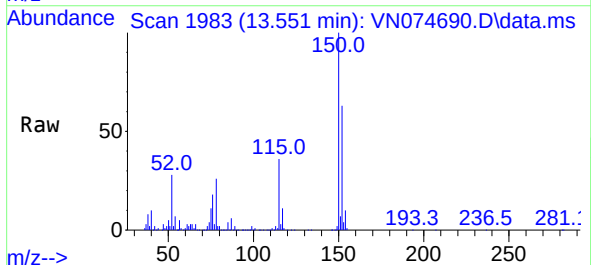


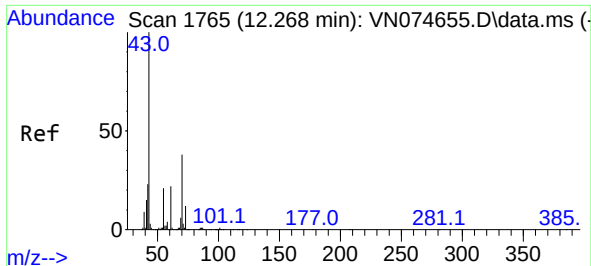
Tgt Ion:117 Resp: 1031505
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.2
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

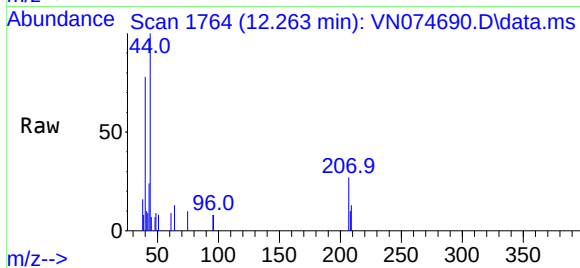
Tgt Ion:152 Resp: 475231
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.7
150 158.9 0.0 356.2



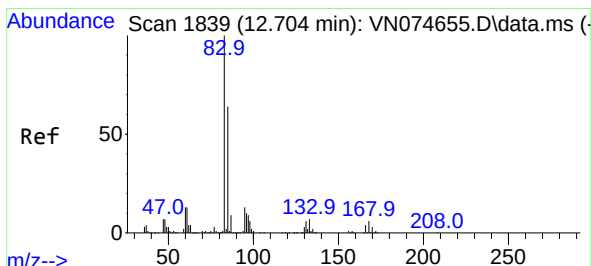
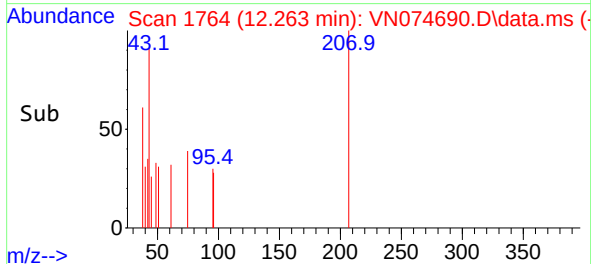
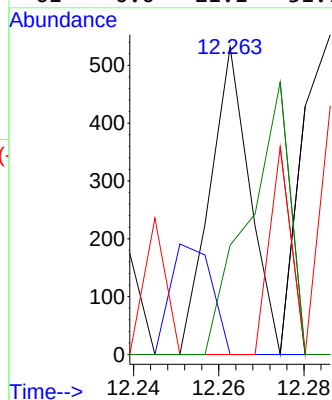


#74
N-amy1 acetate
Concen: Below Cal
RT: 12.263 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

Instrument :
MSVOA_N
ClientSampleId :

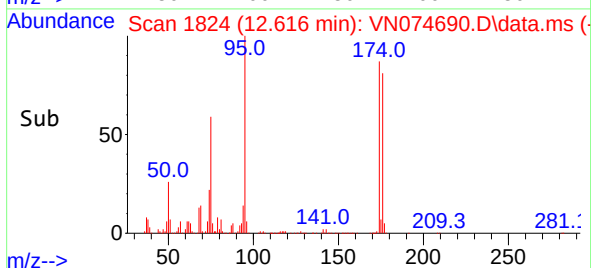
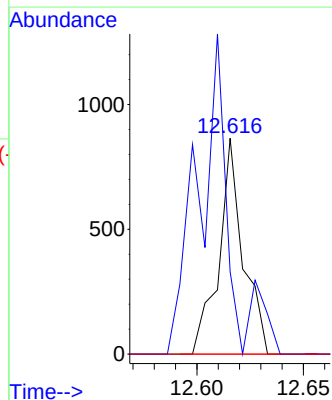
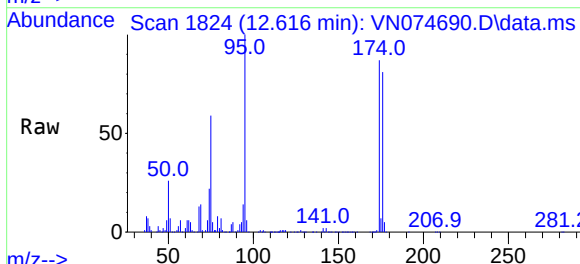


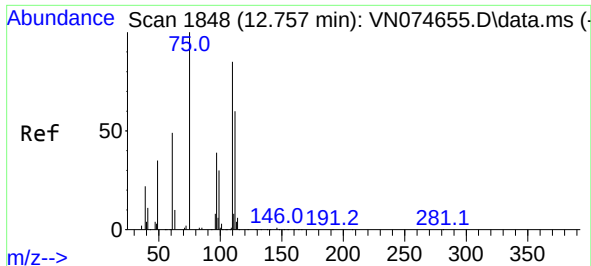
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
70 37.0 39.0 58.4#
55 24.0 21.1 31.7
61 0.0 21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.616 min Scan# 1824
Delta R.T. -0.088 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

Tgt Ion: 83 Resp: 685
Ion Ratio Lower Upper
83 100
131 162.8 5.3 15.9#
85 0.0 32.3 96.9#

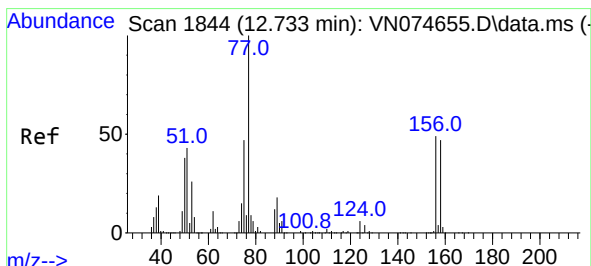
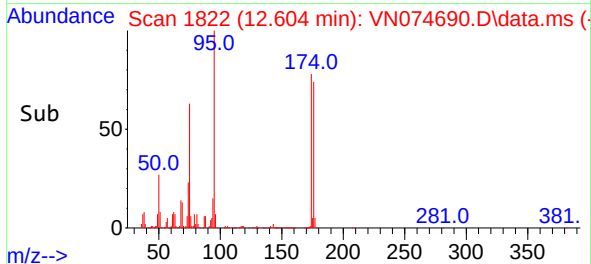
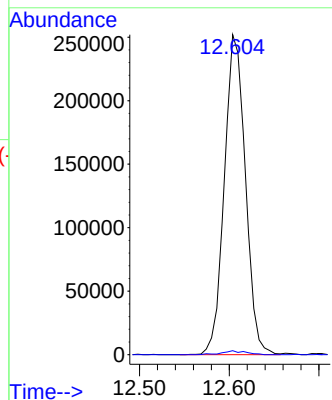
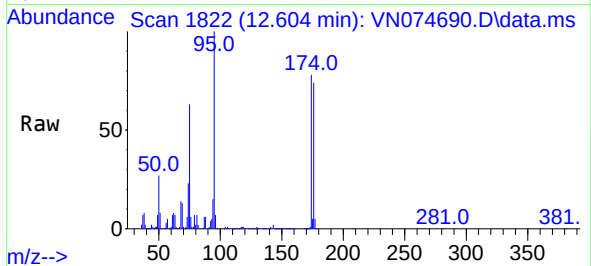




#76
1,2,3-Trichloropropane
Concen: 38.069 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

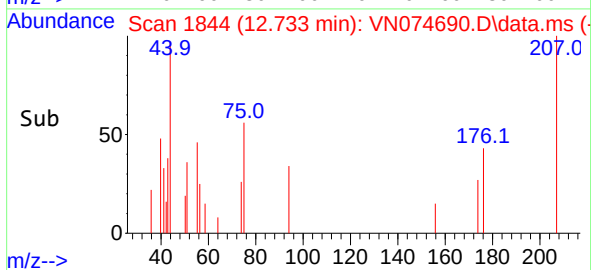
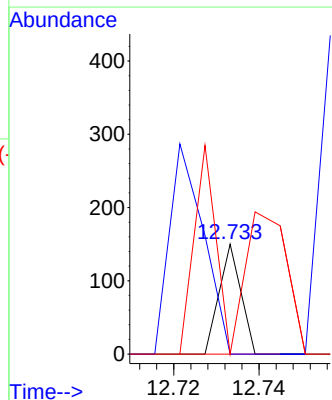
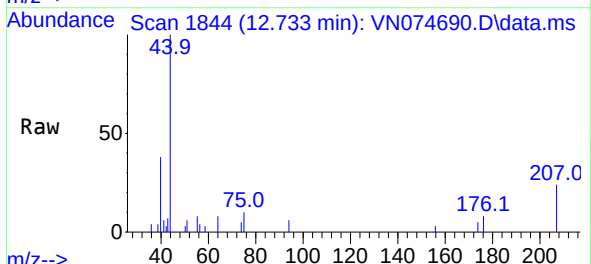
Instrument :
MSVOA_N
ClientSampleId :

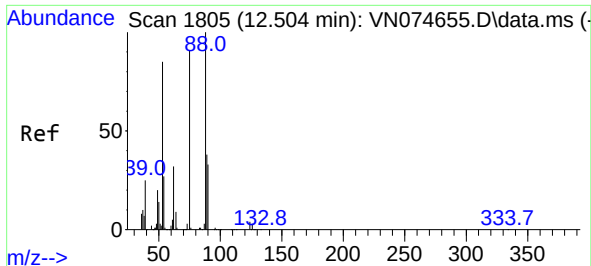
Tgt Ion: 75 Resp: 410563
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.733 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VN074690.D
Acq: 01 Oct 2022 05:12

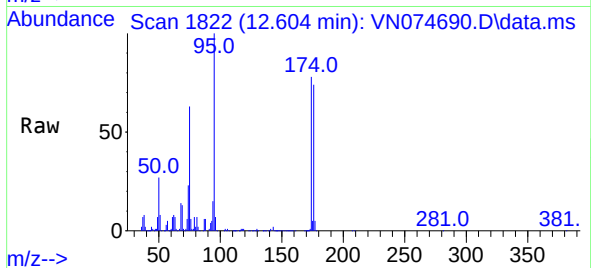
Tgt Ion:156 Resp: 53
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 190.6 48.9 146.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.195 ug/l
 RT: 12.604 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VN074690.D
 Acq: 01 Oct 2022 05:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 410563
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

