

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074699.D
 Acq On : 01 Oct 2022 08:51
 Operator : JC\MD
 Sample : N4882-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:13:22 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)

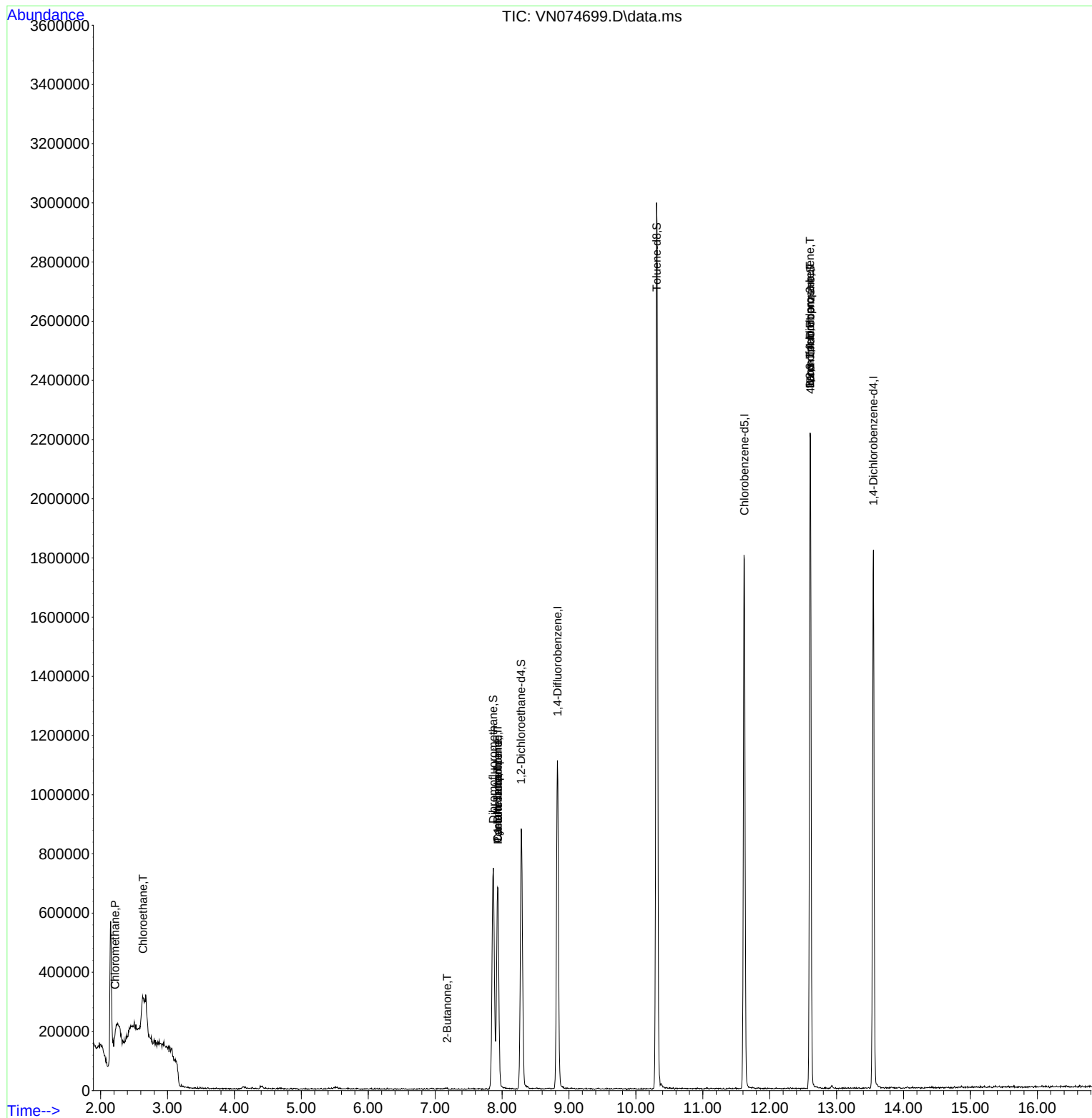
Internal Standards						
1) Pentafluorobenzene	7.939	168	499525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	941201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.621	117	958660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	439026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	654500	52.280	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.560%	
35) Dibromofluoromethane	7.869	113	530619	53.263	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.520%	
50) Toluene-d8	10.310	98	2009968	47.966	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.940%	
62) 4-Bromofluorobenzene	12.610	95	649323	48.868	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.216	50	4809	0.314	ug/l	94
6) Chloroethane	2.634	64	57857	3.389	ug/l #	53
8) Diethyl Ether	3.669	74	83	Below Cal	#	1
13) Acrolein	3.887	56	74	Below Cal	#	16
16) Acetone	4.128	43	4246	Below Cal	#	75
20) Methylene Chloride	4.898	84	578	Below Cal	#	28
25) 2-Butanone	7.181	43	4733	0.411	ug/l #	74
31) Cyclohexane	7.934	56	16127	0.793	ug/l #	71
36) 1,1-Dichloropropene	7.934	75	47755	2.993	ug/l #	50
38) Carbon Tetrachloride	7.934	117	55866	3.822	ug/l #	15
71) Bromoform	12.604	173	5395	0.657	ug/l #	28
74) N-amyl acetate	12.263	43	801	Below Cal	#	47
75) 1,1,2,2-Tetrachloroethane	12.610	83	1642	Below Cal	#	6
76) 1,2,3-Trichloropropane	12.604	75	399784	40.282	ug/l #	1
77) Bromobenzene	12.610	156	283	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	399784	76.097	ug/l #	10

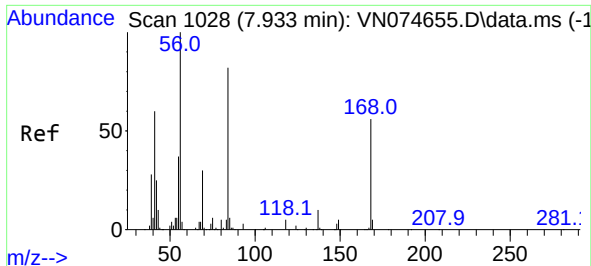
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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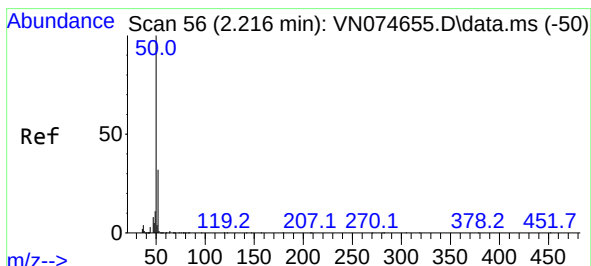
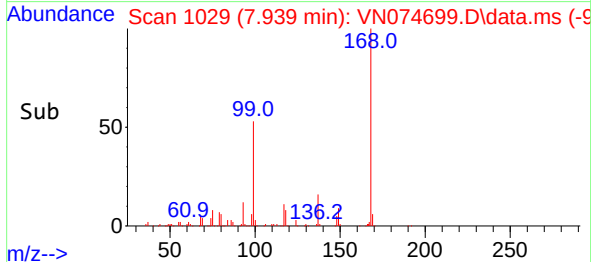
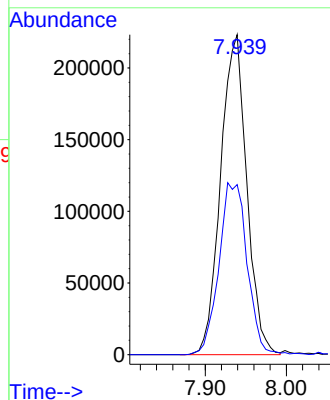
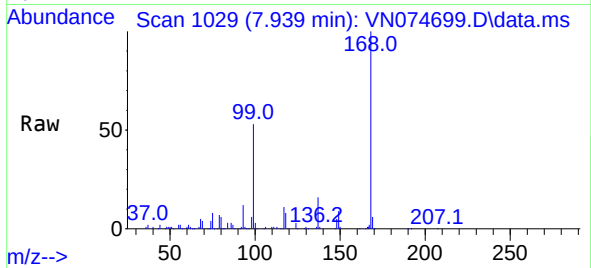




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.939 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

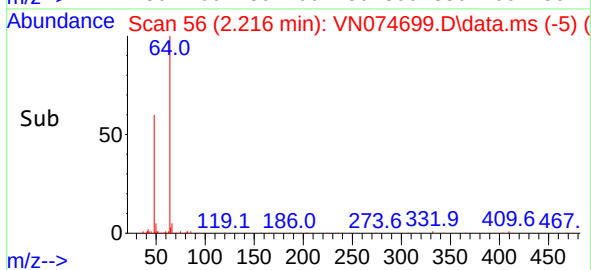
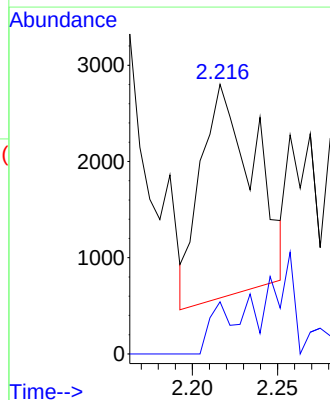
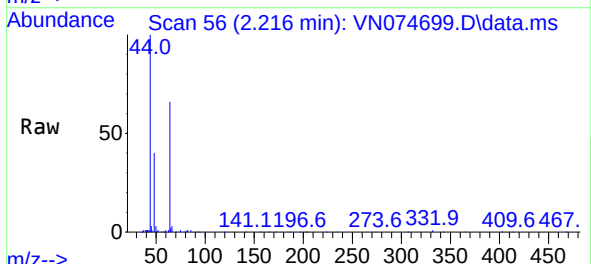
Instrument :
MSVOA_N
ClientSampleId :

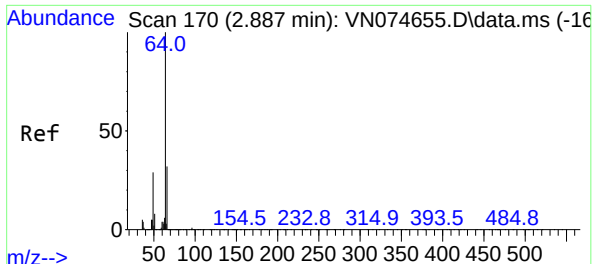
Tgt Ion:168 Resp: 499525
Ion Ratio Lower Upper
168 100
99 53.2 42.3 63.5



#3
Chloromethane
Concen: 0.314 ug/l
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

Tgt Ion: 50 Resp: 4809
Ion Ratio Lower Upper
50 100
52 28.9 25.7 38.5

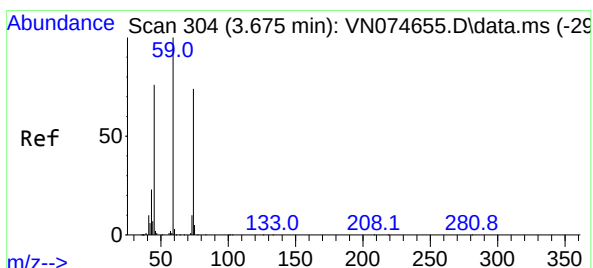
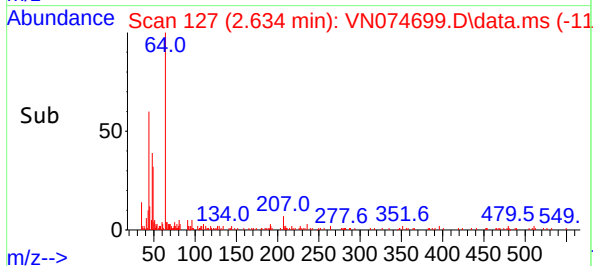
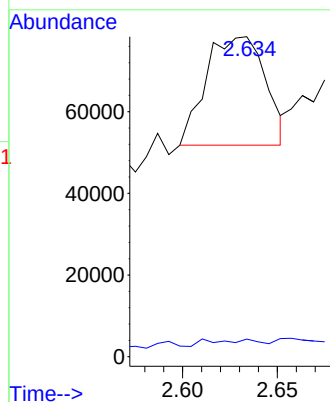
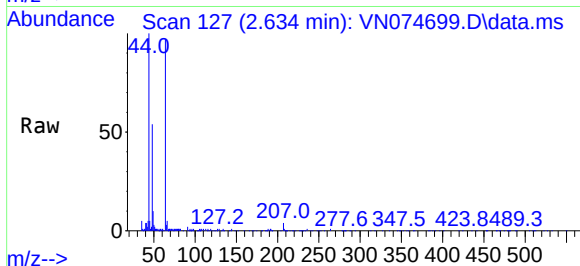




#6
Chloroethane
Concen: 3.389 ug/l
RT: 2.634 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

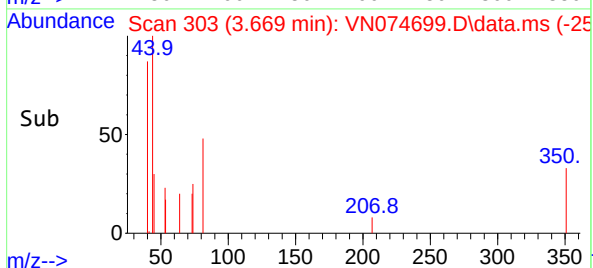
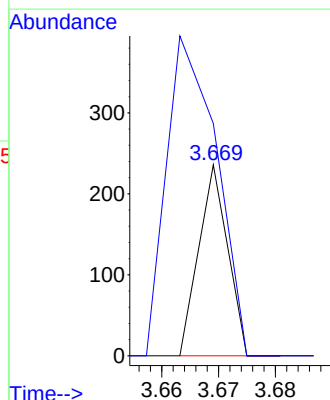
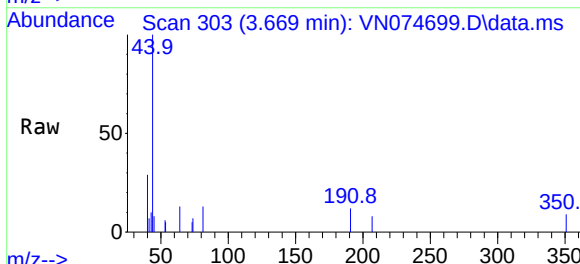
Instrument :
MSVOA_N
ClientSampleId :

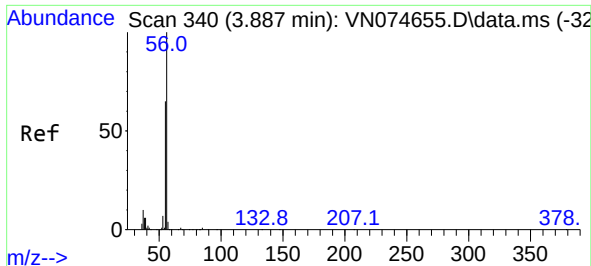
Tgt Ion: 64 Resp: 57857
Ion Ratio Lower Upper
64 100
66 6.4 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.669 min Scan# 303
Delta R.T. -0.006 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

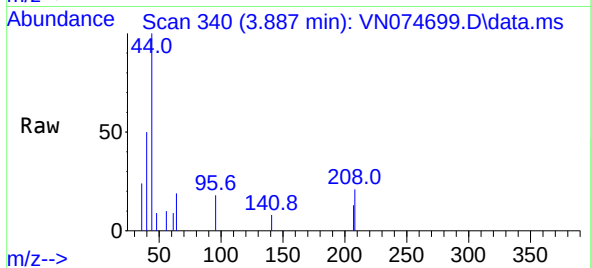
Tgt Ion: 74 Resp: 83
Ion Ratio Lower Upper
74 100
45 354.2 42.9 128.5#



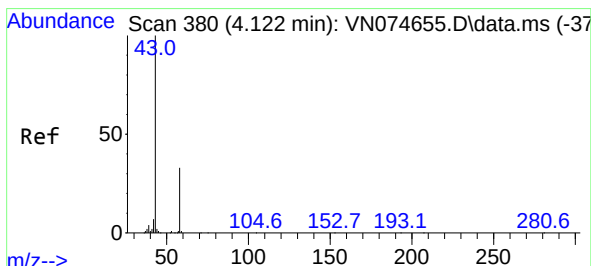
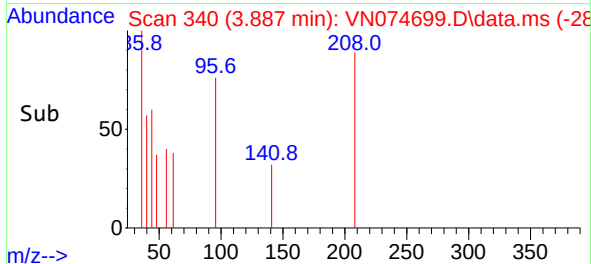
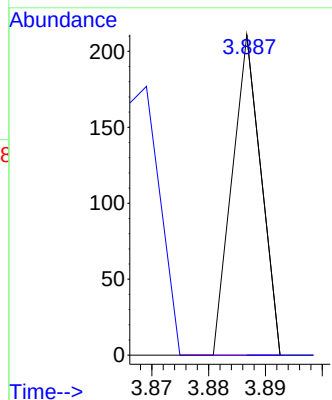


#13
Acrolein
Concen: Below Cal
RT: 3.887 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

Instrument :
MSVOA_N
ClientSampleId :

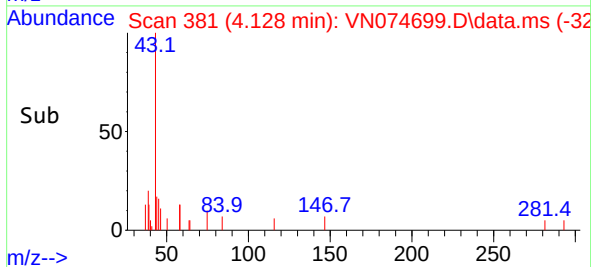
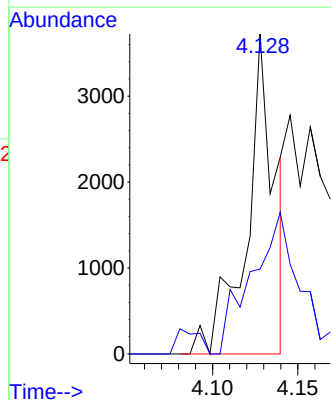
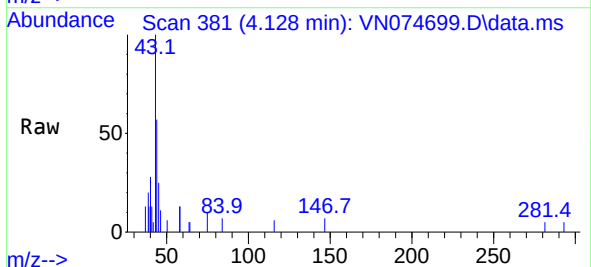


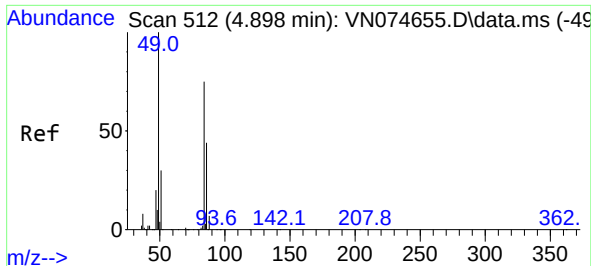
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.128 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

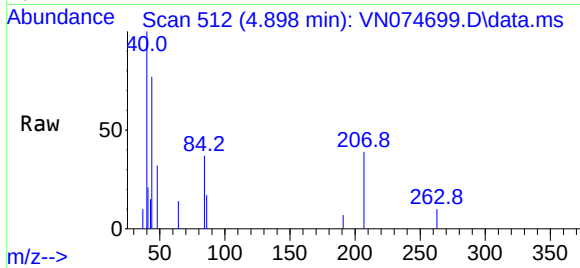
Tgt Ion: 43 Resp: 4246
Ion Ratio Lower Upper
43 100
58 18.6 26.0 39.0#



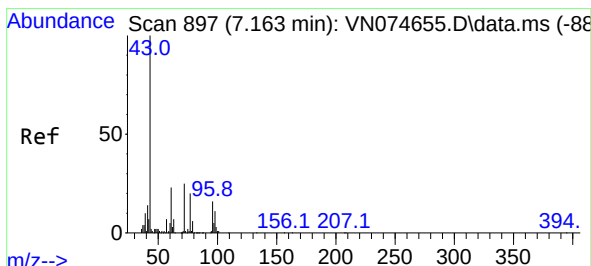
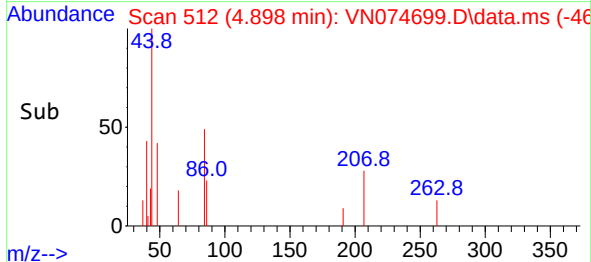
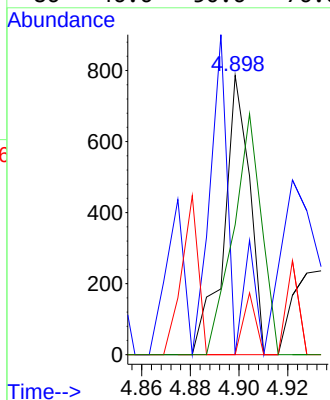


#20
Methylene Chloride
Concen: Below Cal
RT: 4.898 min Scan# 512
Delta R.T. 0.000 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

Instrument :
MSVOA_N
ClientSampleId :

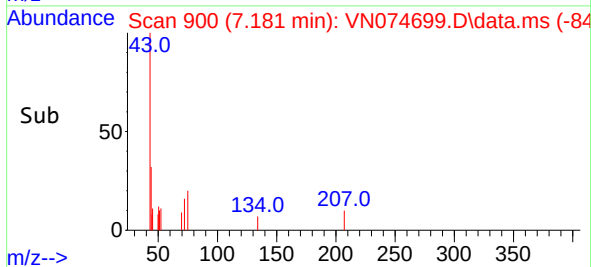
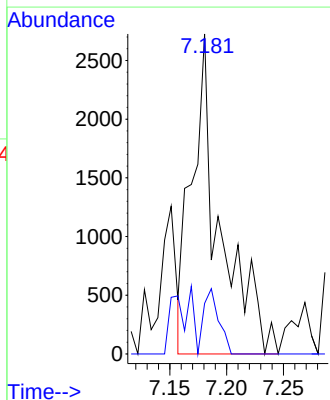
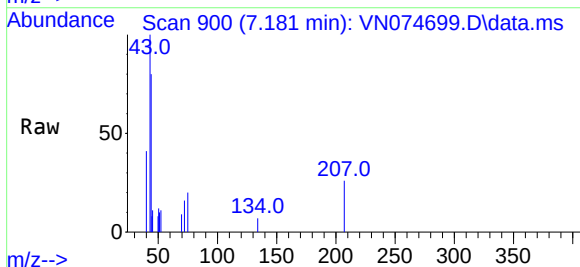


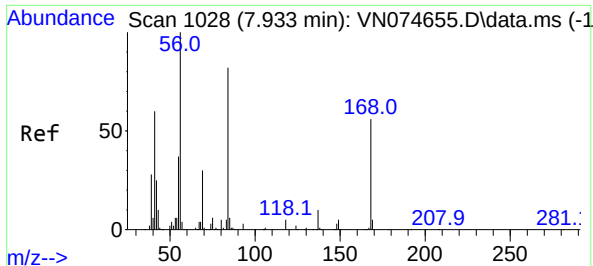
Tgt Ion: 84 Resp: 578
Ion Ratio Lower Upper
84 100
49 0.0 88.3 132.5#
51 0.0 28.2 42.2#
86 46.6 50.6 76.0#



#25
2-Butanone
Concen: 0.411 ug/l
RT: 7.181 min Scan# 900
Delta R.T. 0.018 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

Tgt Ion: 43 Resp: 4733
Ion Ratio Lower Upper
43 100
72 15.8 23.7 35.5#





#31

Cyclohexane

Concen: 0.793 ug/l

RT: 7.934 min Scan# 1028

Delta R.T. 0.001 min

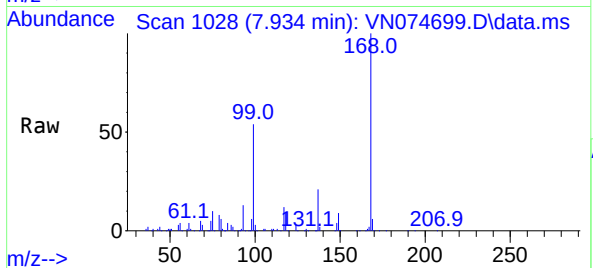
Lab File: VN074699.D

Acq: 01 Oct 2022 08:51

Instrument :

MSVOA_N

ClientSampleId :



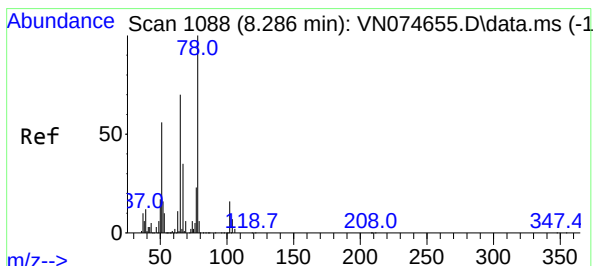
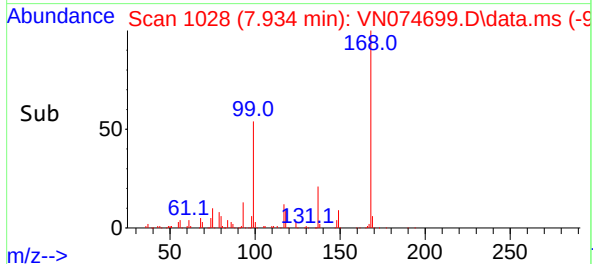
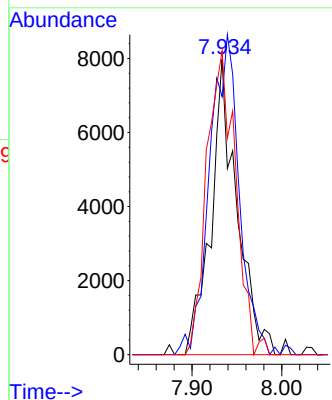
Tgt Ion: 56 Resp: 16127

Ion Ratio Lower Upper

56 100

69 87.3 27.8 41.8#

84 102.8 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 52.280 ug/l

RT: 8.286 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN074699.D

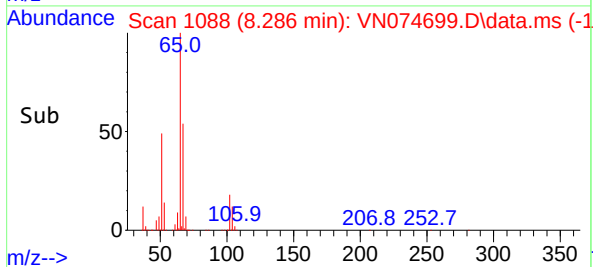
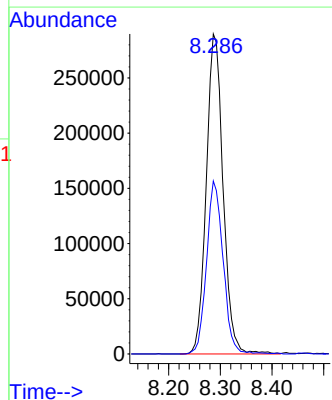
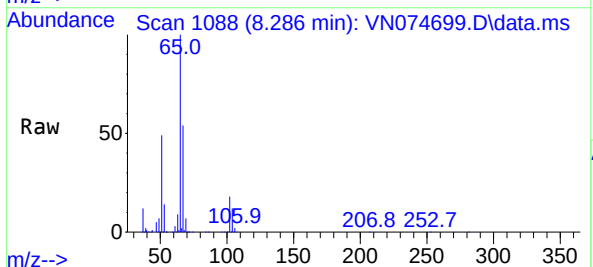
Acq: 01 Oct 2022 08:51

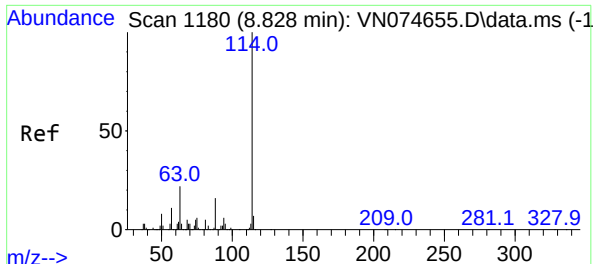
Tgt Ion: 65 Resp: 654500

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.8

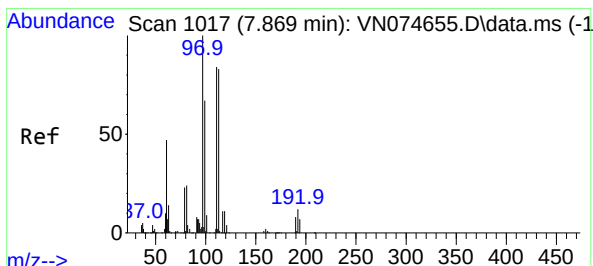
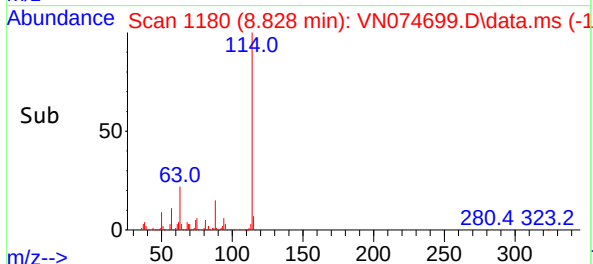
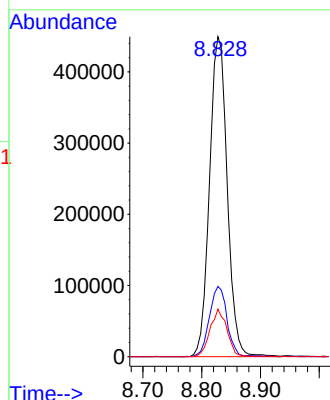
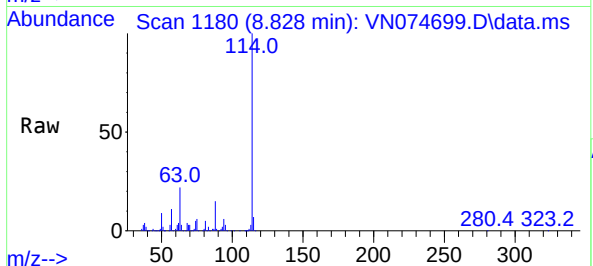




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

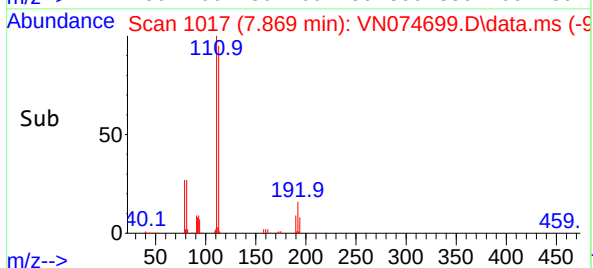
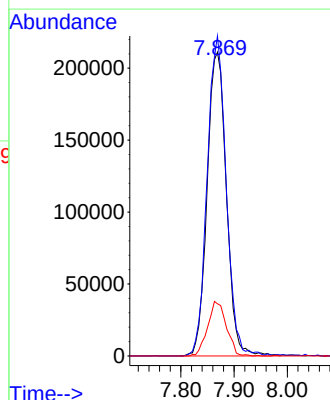
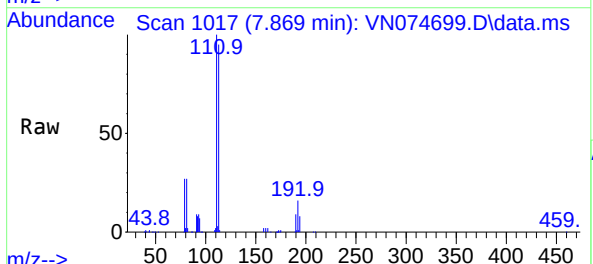
Instrument :
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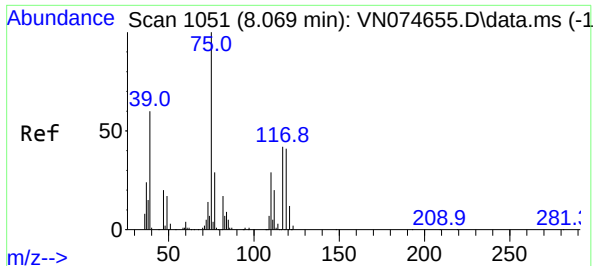
Tgt Ion:114 Resp: 941201
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.0
88 14.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.263 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

Tgt Ion:113 Resp: 530619
Ion Ratio Lower Upper
113 100
111 103.9 81.4 122.0
192 17.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 2.993 ug/l

RT: 7.934 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VN074699.D

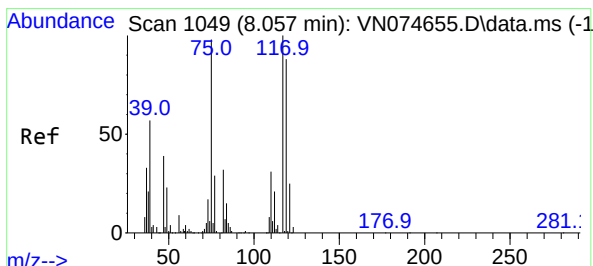
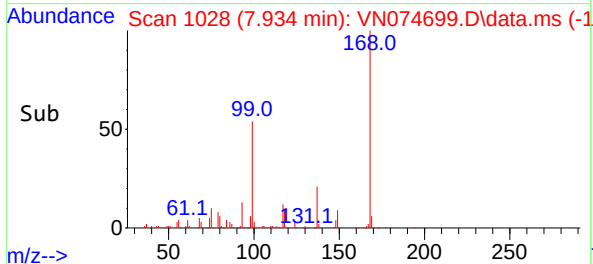
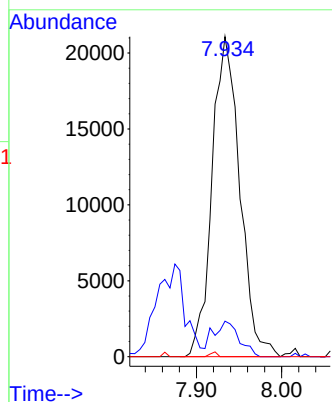
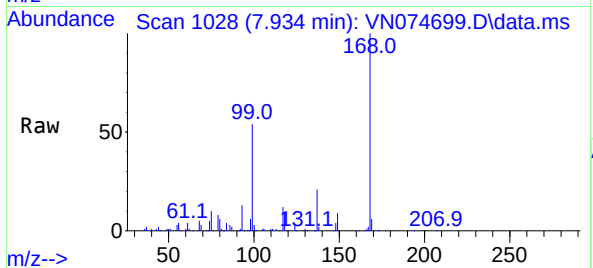
Acq: 01 Oct 2022 08:51

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 47755
Ion Ratio	Lower Upper
75	100
110	10.2 18.3 54.8#
77	0.4 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 3.822 ug/l

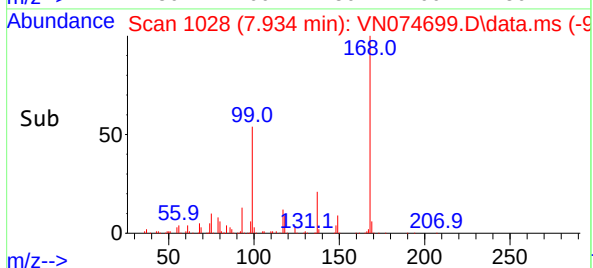
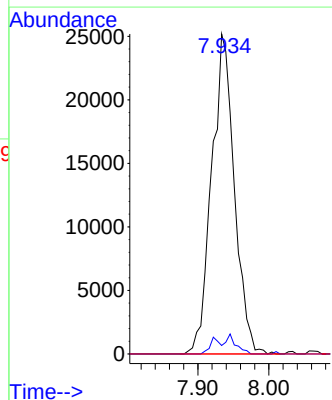
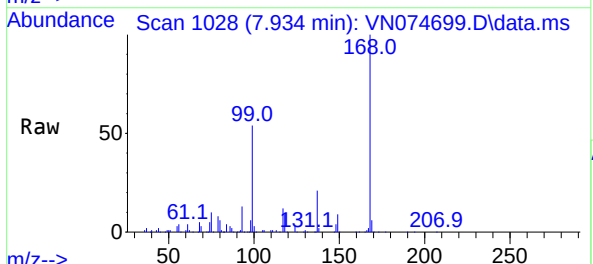
RT: 7.934 min Scan# 1028

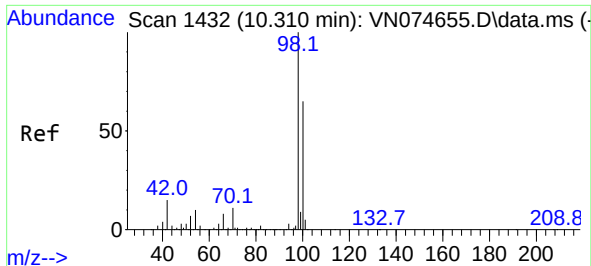
Delta R.T. -0.123 min

Lab File: VN074699.D

Acq: 01 Oct 2022 08:51

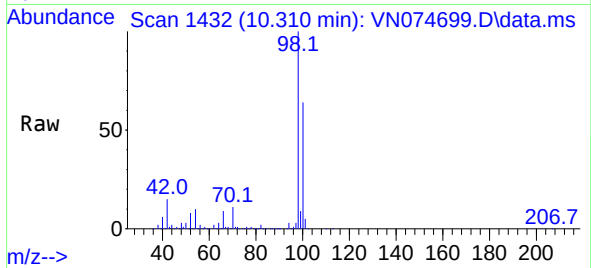
Tgt Ion: 117	Resp: 55866
Ion Ratio	Lower Upper
117	100
119	2.7 75.8 113.8#
121	0.0 24.6 37.0#



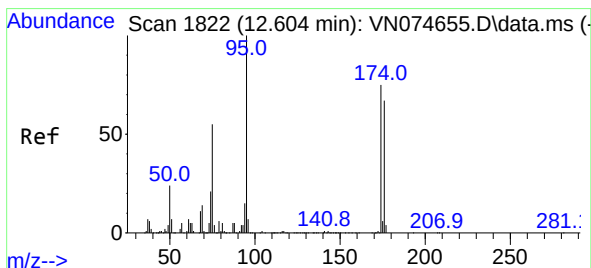
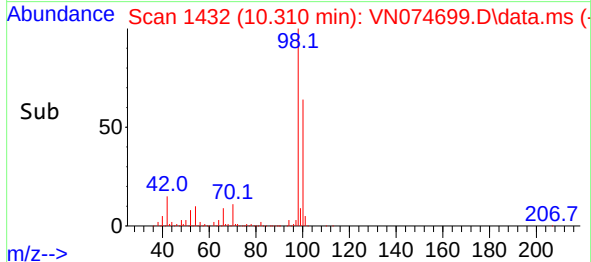
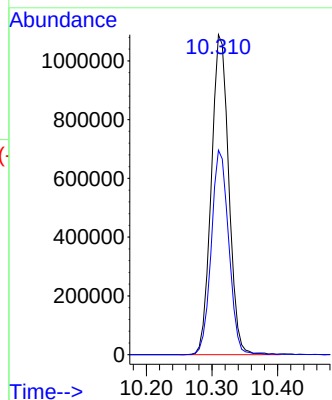


#50
Toluene-d8
Concen: 47.966 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

Instrument :
MSVOA_N
ClientSampleId :

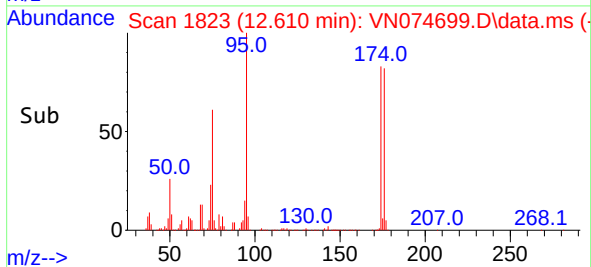
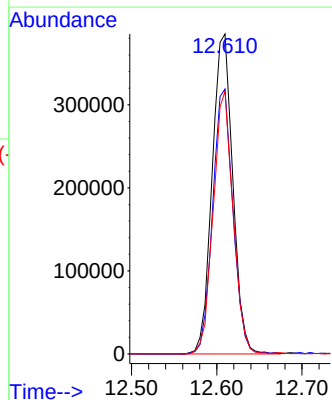
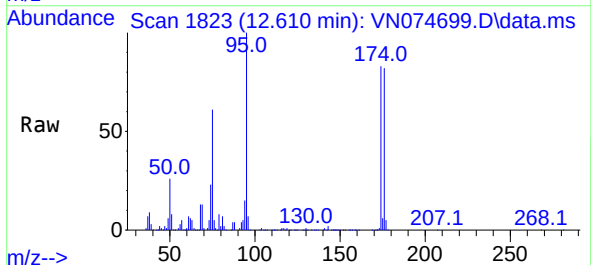


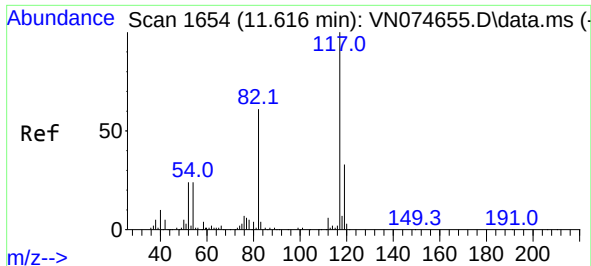
Tgt Ion: 98 Resp: 2009968
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 48.868 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

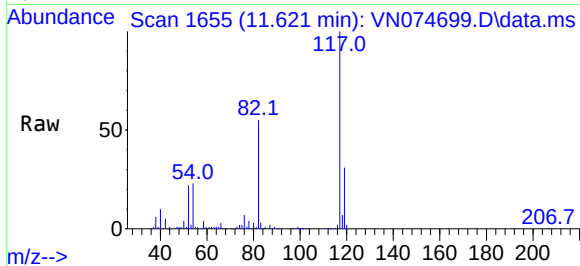
Tgt Ion: 95 Resp: 649323
Ion Ratio Lower Upper
95 100
174 81.5 0.0 167.6
176 78.7 0.0 163.4



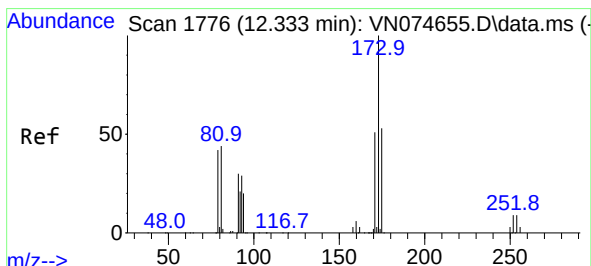
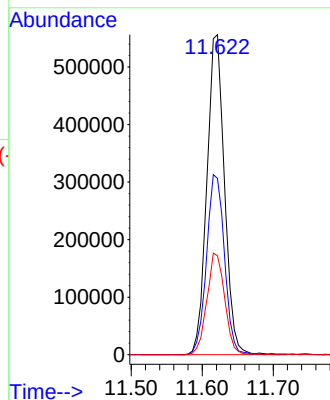
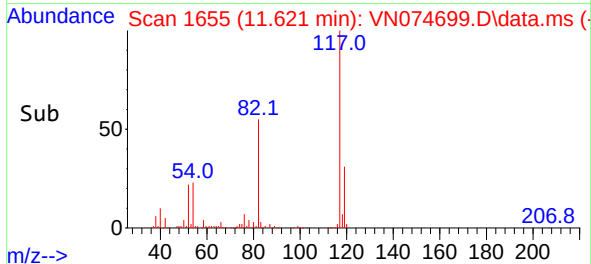


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.621 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

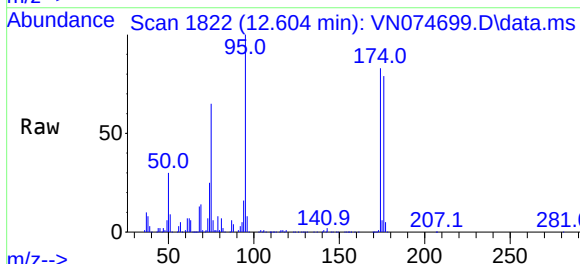
Instrument :
MSVOA_N
ClientSampleId :



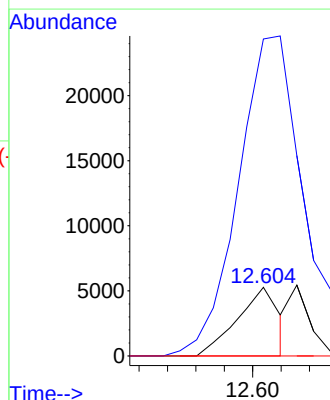
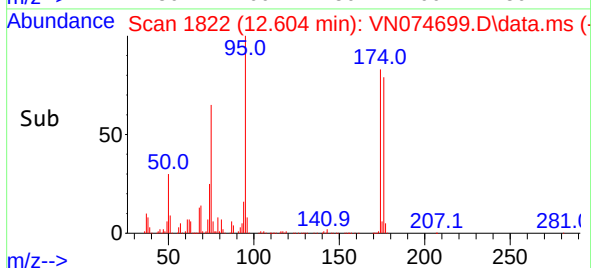
Tgt Ion:117 Resp: 958660
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 30.9 25.4 38.0

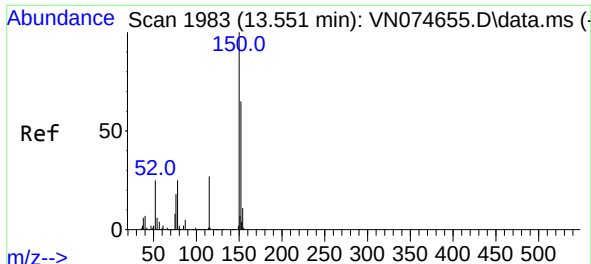


#71
Bromoform
Concen: 0.657 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.271 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51



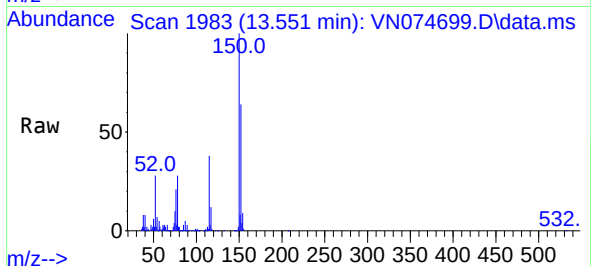
Tgt Ion:173 Resp: 5395
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



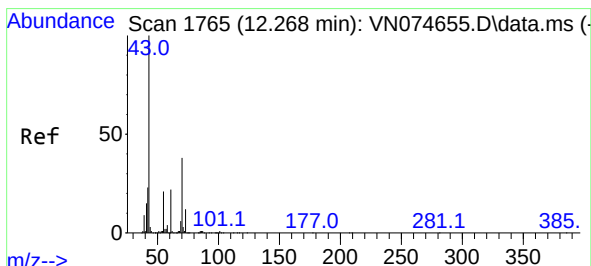
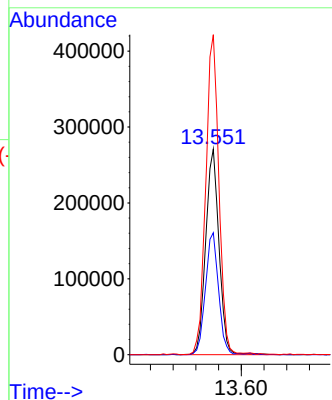
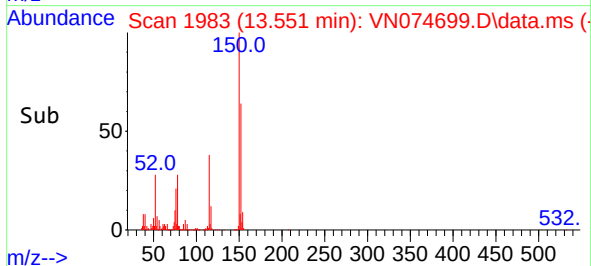


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

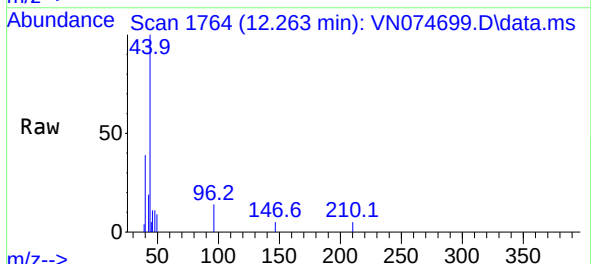
Instrument :
MSVOA_N
ClientSampleId :



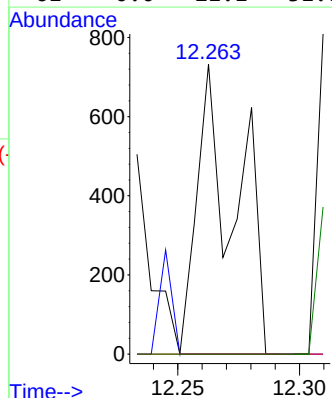
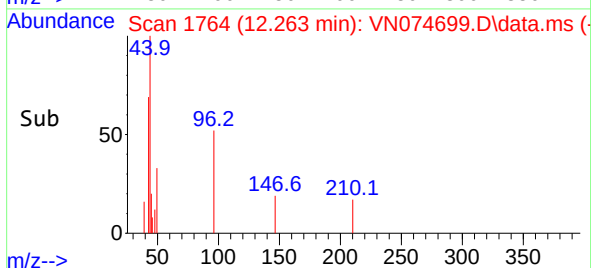
Tgt Ion:152 Resp: 439026
Ion Ratio Lower Upper
152 100
115 58.5 28.9 86.7
150 152.8 0.0 356.2

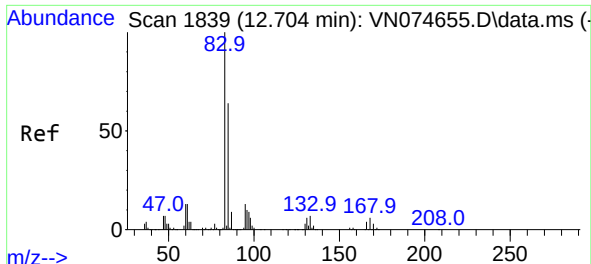


#74
N-ethyl acetate
Concen: Below Cal
RT: 12.263 min Scan# 1764
Delta R.T. -0.005 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51



Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
70 11.6 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

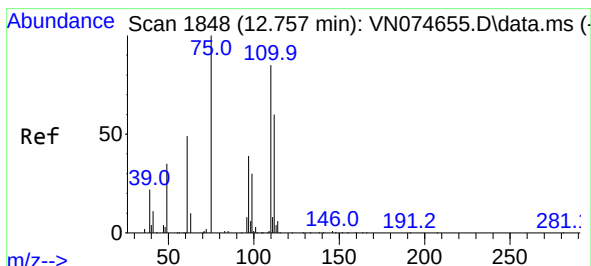
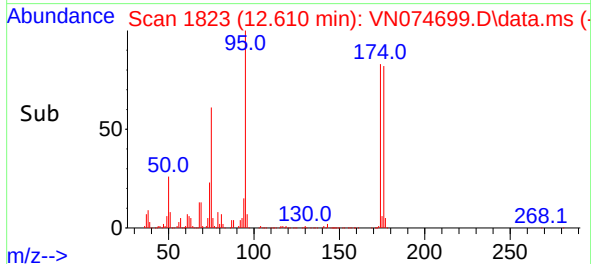
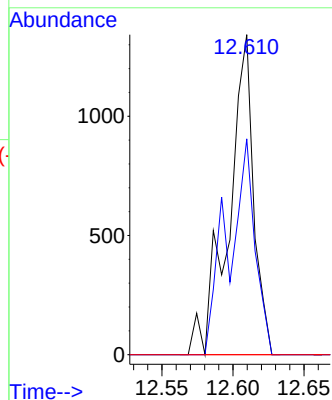
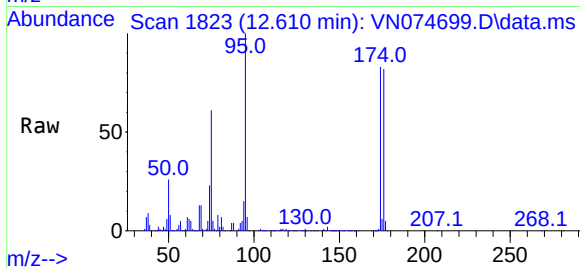




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.610 min Scan# 1823
Delta R.T. -0.094 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

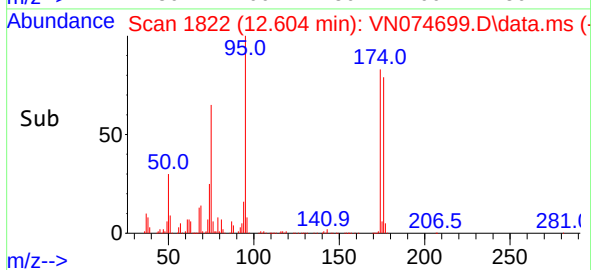
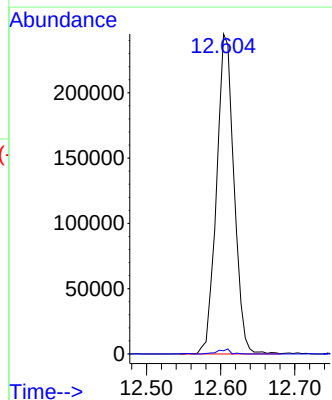
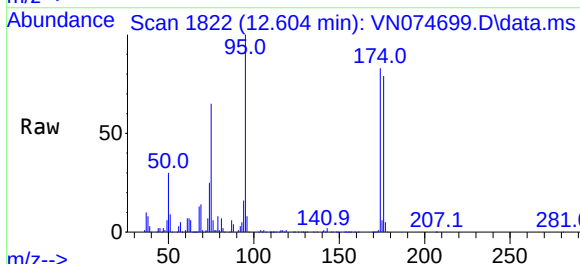
Instrument :
MSVOA_N
ClientSampleId :

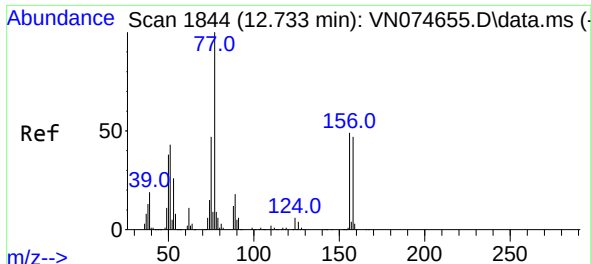
Tgt Ion: 83 Resp: 1642
Ion Ratio Lower Upper
83 100
131 72.7 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 40.282 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

Tgt Ion: 75 Resp: 399784
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#

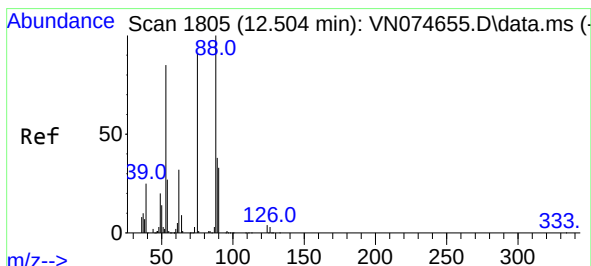
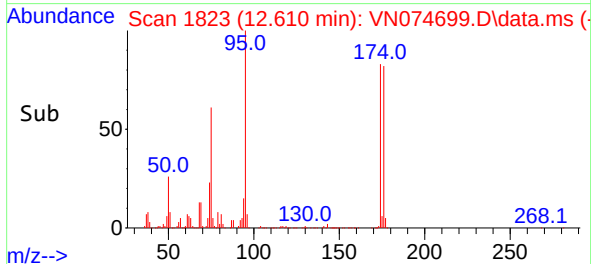
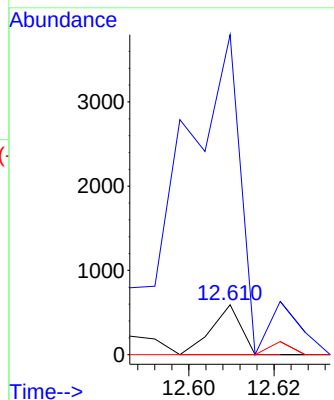
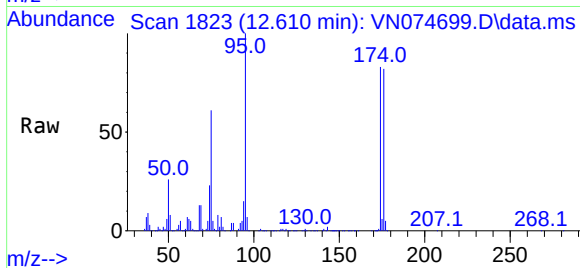




#77
Bromobenzene
Concen: Below Cal
RT: 12.610 min Scan# 1823
Delta R.T. -0.123 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:156 Resp: 283
Ion Ratio Lower Upper
156 100
77 1481.6 100.5 301.5#
158 19.4 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.097 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074699.D
Acq: 01 Oct 2022 08:51

Tgt Ion: 75 Resp: 399784
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

