

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081122\
 Data File : VN073824.D
 Acq On : 11 Aug 2022 14:49
 Operator : JC\MD
 Sample : N4172-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT149S1-20220809

Quant Time: Aug 12 06:02:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

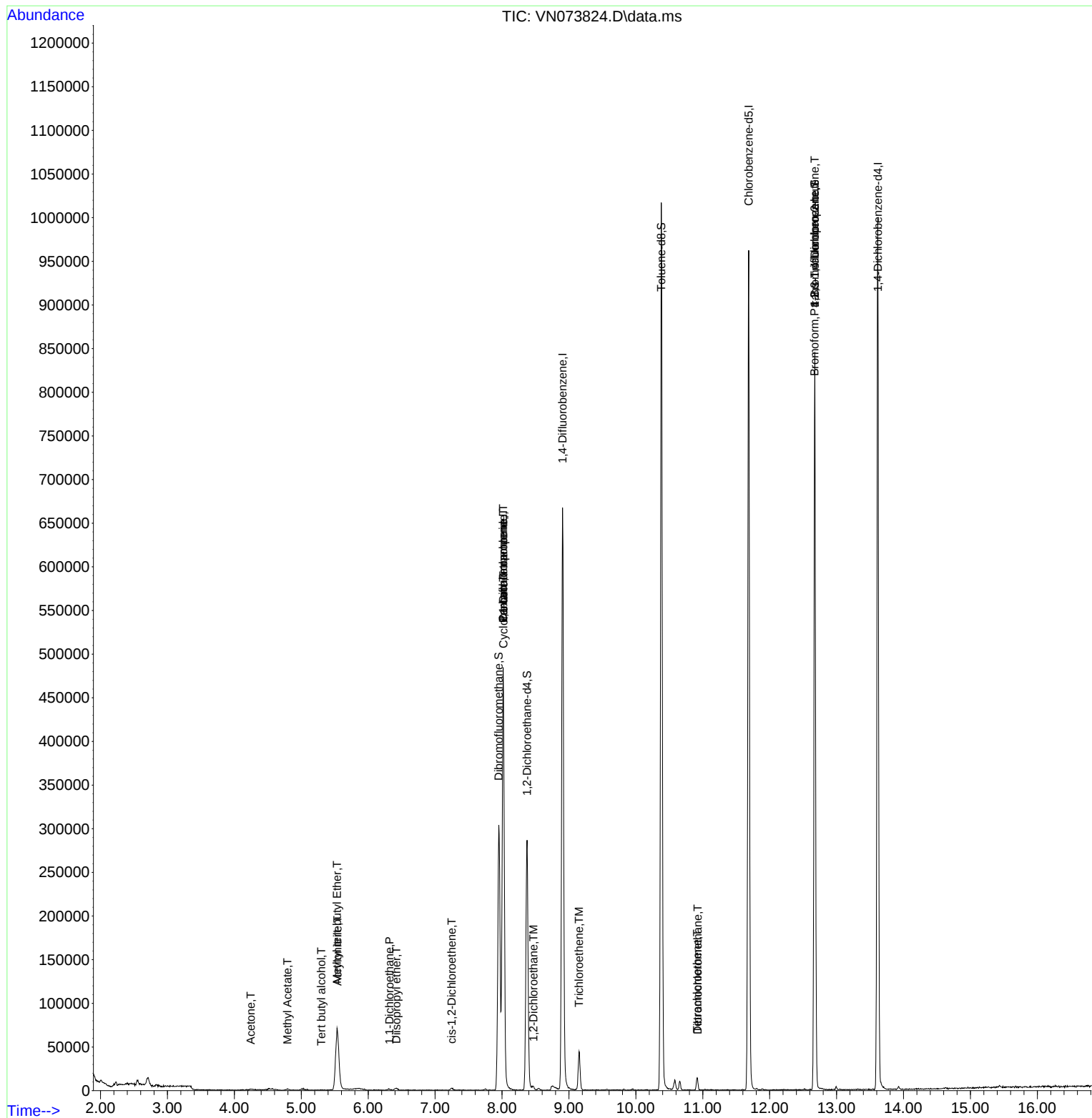
Internal Standards						
1) Pentafluorobenzene	8.016	168	391376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	612547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	585868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	289205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	238970	50.103	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.200%			
35) Dibromofluoromethane	7.951	113	221238	57.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.040%			
50) Toluene-d8	10.381	98	713314	47.127	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.260%			
62) 4-Bromofluorobenzene	12.675	95	266806	50.201	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1048	Below Cal	#	76
6) Chloroethane	2.963	64	60	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	209	0.203	ug/l #	72
15) Acrylonitrile	5.540	53	1521	0.535	ug/l #	8
16) Acetone	4.246	43	2249	0.878	ug/l #	52
18) Methyl Acetate	4.793	43	2459	0.386	ug/l #	72
19) Methyl tert-butyl Ether	5.534	73	110295	8.695	ug/l	97
20) Methylene Chloride	5.022	84	978	Below Cal	#	87
22) Diisopropyl ether	6.422	45	2765	0.216	ug/l #	92
24) 1,1-Dichloroethane	6.316	63	2262	0.287	ug/l #	82
27) cis-1,2-Dichloroethene	7.245	96	1265	0.255	ug/l	77
31) Cyclohexane	8.022	56	7725	1.088	ug/l #	34
36) 1,1-Dichloropropene	8.016	75	27619	5.038	ug/l #	47
38) Carbon Tetrachloride	8.016	117	35445	6.366	ug/l #	17
42) 1,2-Dichloroethane	8.469	62	2949	0.492	ug/l	87
44) Trichloroethene	9.151	130	15870	3.515	ug/l	99
60) Dibromochloromethane	10.922	129	2964	0.657	ug/l #	11
64) Tetrachloroethene	10.916	164	3620	0.777	ug/l #	81
71) Bromoform	12.669	173	1911	0.519	ug/l #	28
76) 1,2,3-Trichloropropane	12.675	75	137121	24.219	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	137121	61.444	ug/l #	10

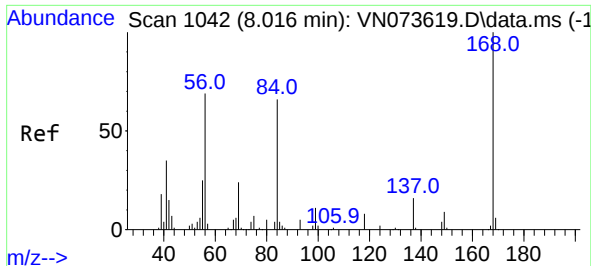
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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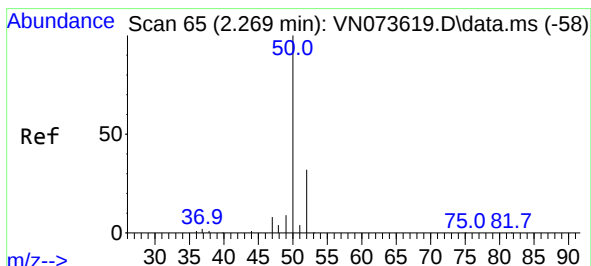
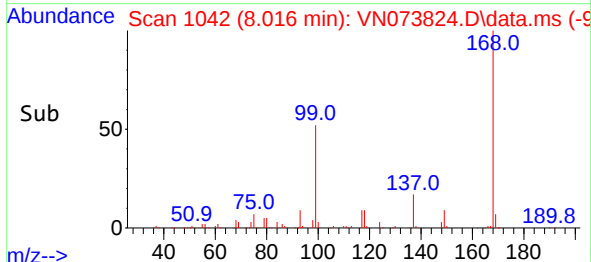
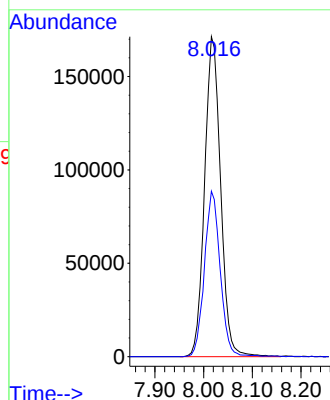
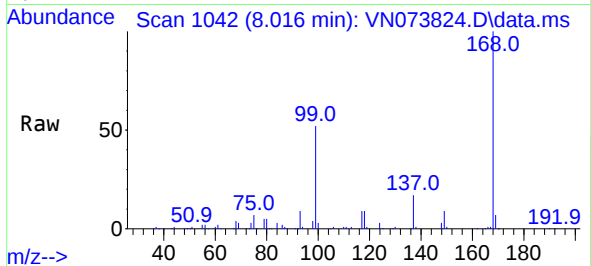




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

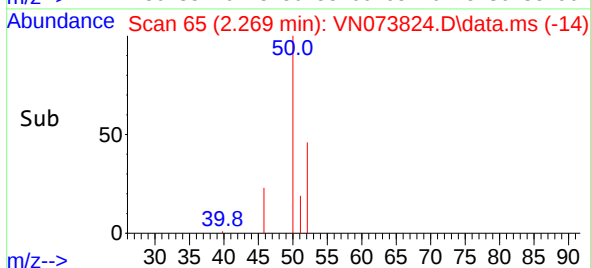
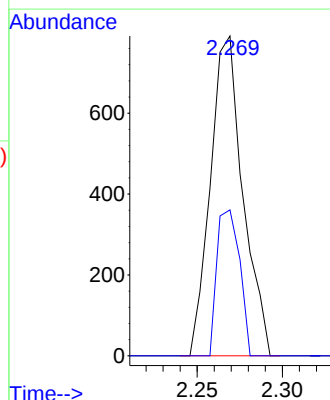
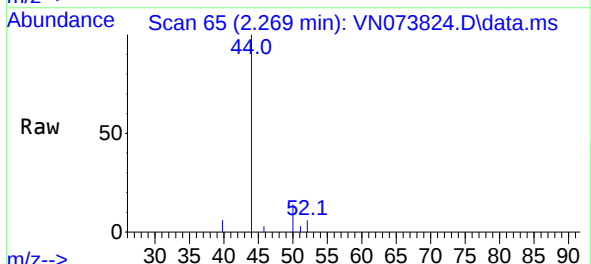
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

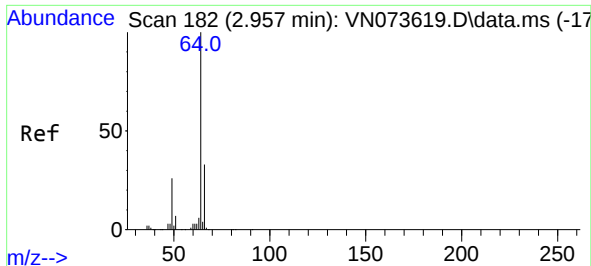
Tgt Ion:168 Resp: 391376
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Tgt Ion: 50 Resp: 1048
Ion Ratio Lower Upper
50 100
52 45.6 25.7 38.5#

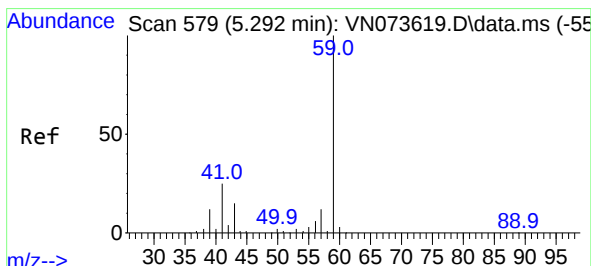
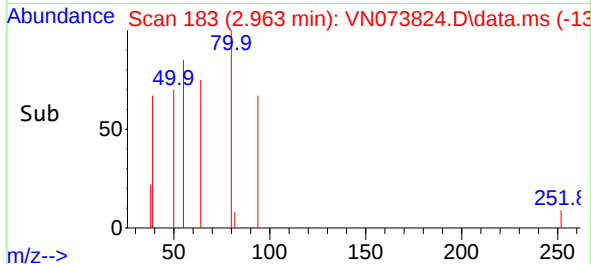
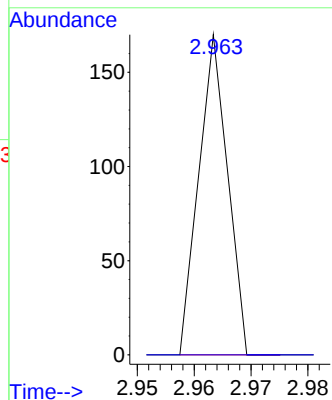
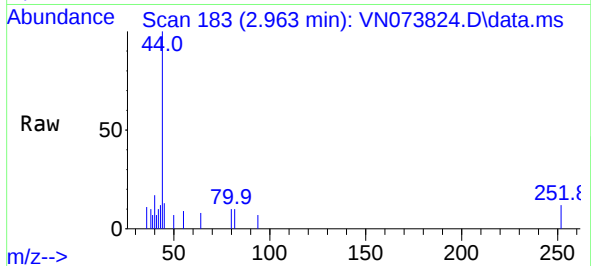




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

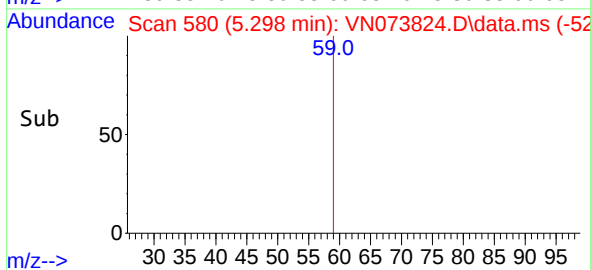
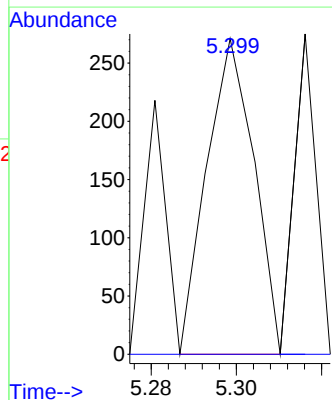
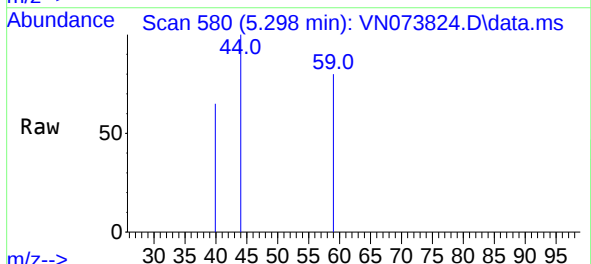
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

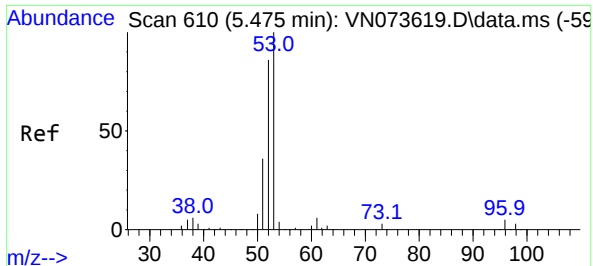
Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.203 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.006 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

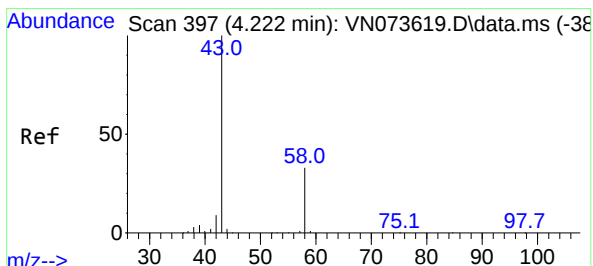
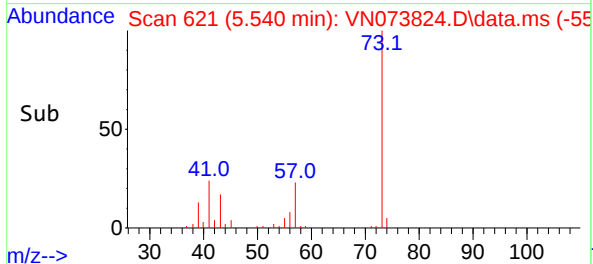
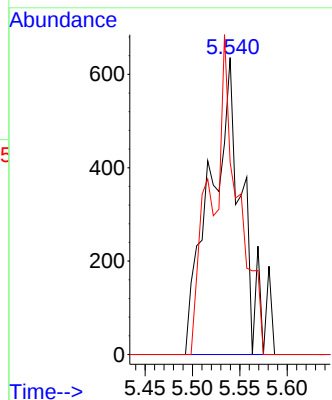
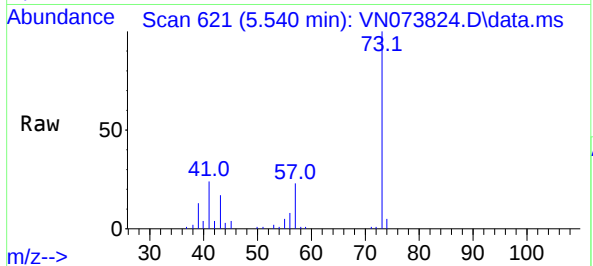




#15
Acrylonitrile
Concen: 0.535 ug/l
RT: 5.540 min Scan# 61
Delta R.T. 0.065 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

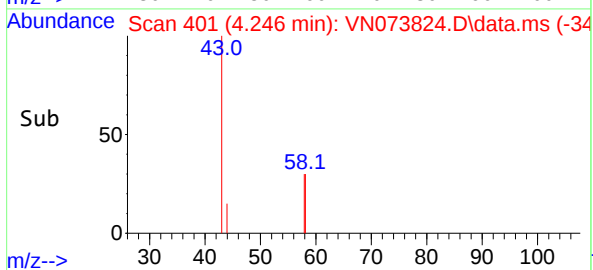
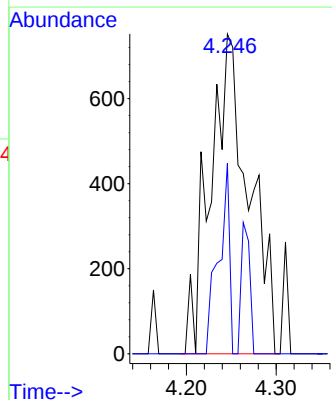
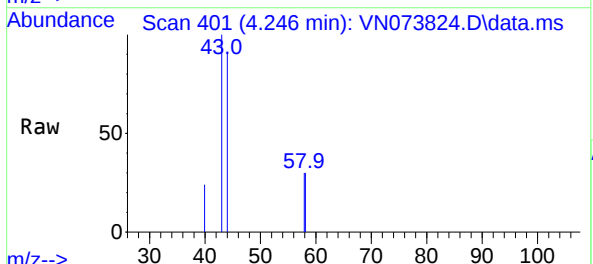
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

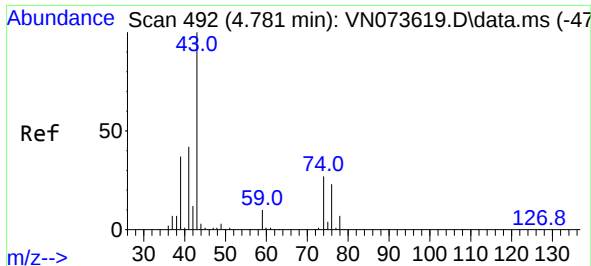
Tgt Ion: 53 Resp: 1521
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 88.5 28.5 42.7#



#16
Acetone
Concen: 0.878 ug/l
RT: 4.246 min Scan# 401
Delta R.T. 0.024 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Tgt Ion: 43 Resp: 2249
Ion Ratio Lower Upper
43 100
58 59.6 26.0 39.0#

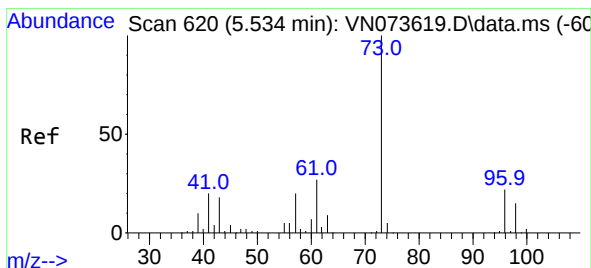
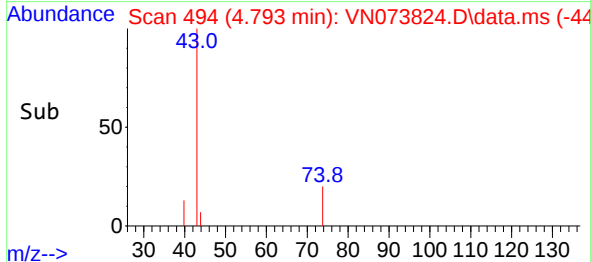
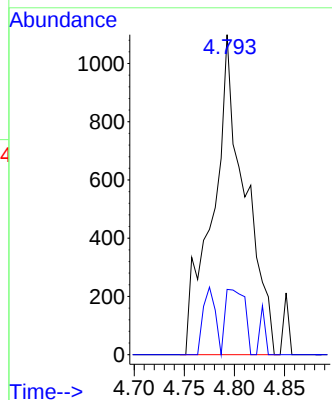
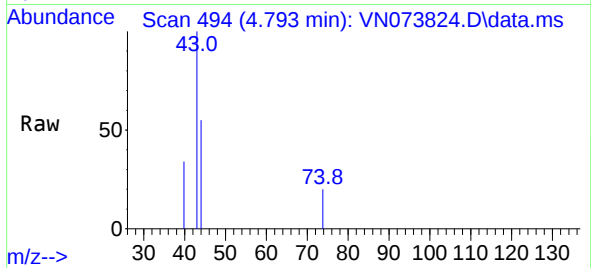




#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 4.793 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

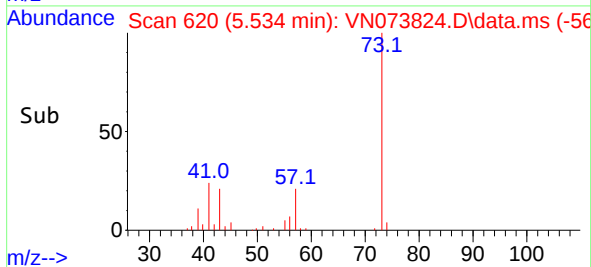
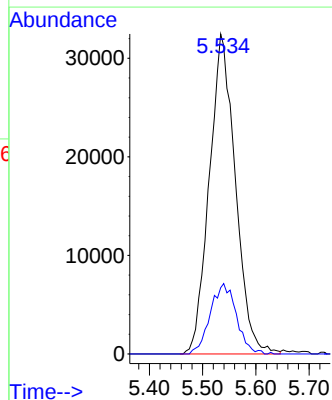
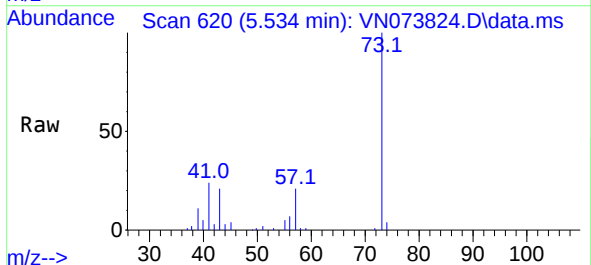
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

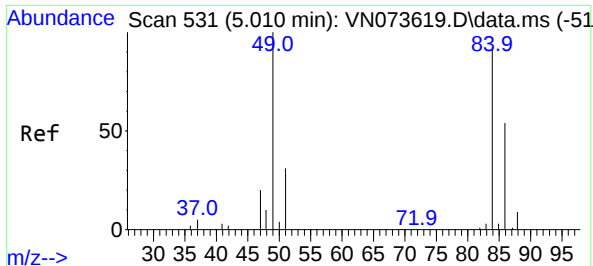
Tgt Ion: 43 Resp: 2459
Ion Ratio Lower Upper
43 100
74 12.2 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 8.695 ug/l
RT: 5.534 min Scan# 620
Delta R.T. 0.000 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

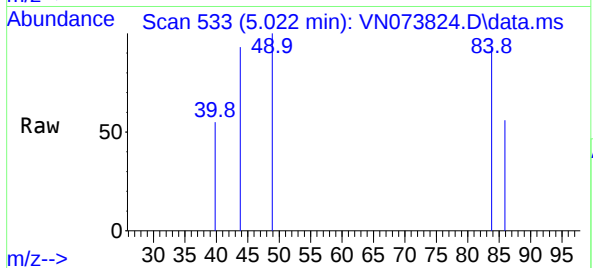
Tgt Ion: 73 Resp: 110295
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4





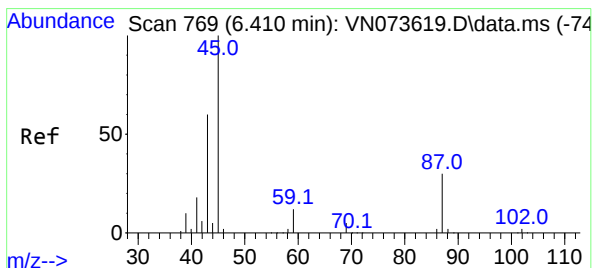
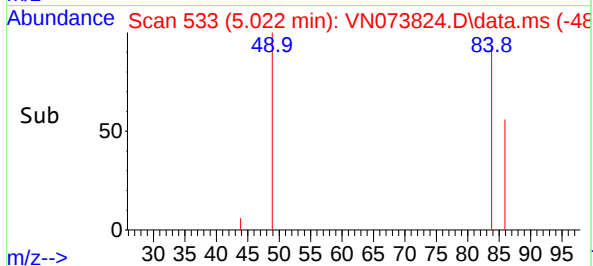
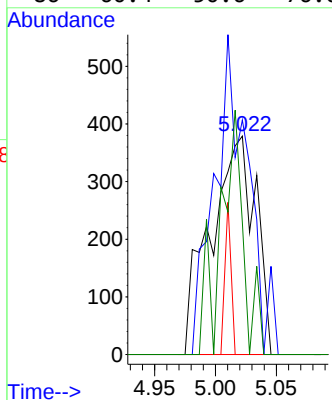
#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809



Tgt Ion: 84 Resp: 978

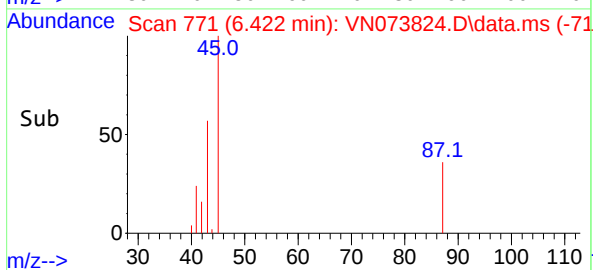
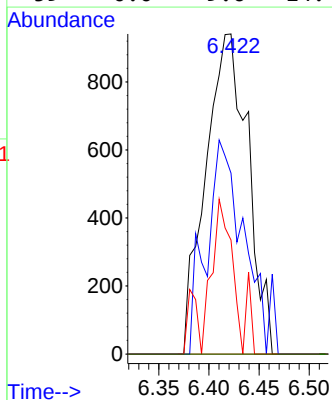
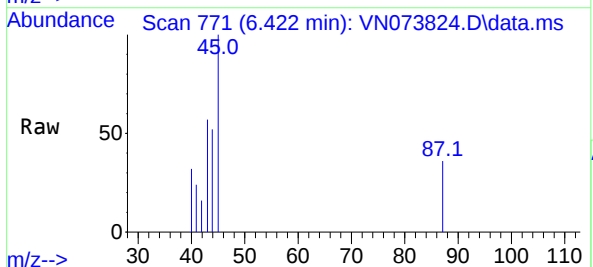
Ion	Ratio	Lower	Upper
84	100		
49	107.4	88.3	132.5
51	0.0	28.2	42.2#
86	60.4	50.6	76.0

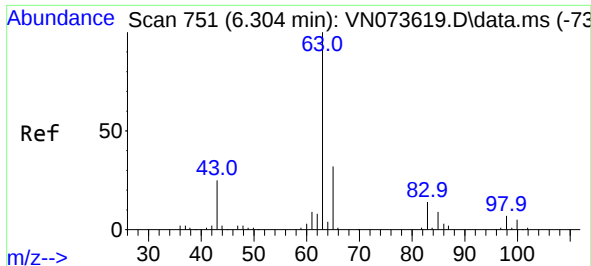


#22
Diisopropyl ether
Concen: 0.216 ug/l
RT: 6.422 min Scan# 771
Delta R.T. 0.012 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Tgt Ion: 45 Resp: 2765

Ion	Ratio	Lower	Upper
45	100		
43	56.5	46.6	70.0
87	35.6	24.3	36.5
59	0.0	9.6	14.4#

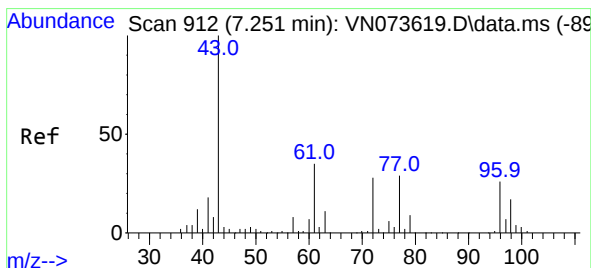
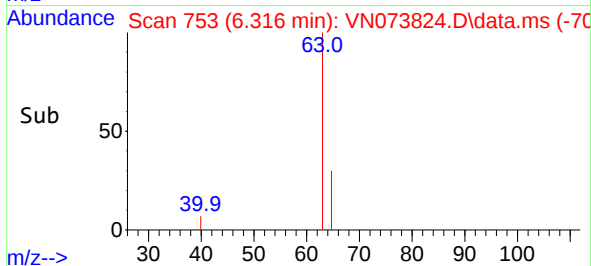
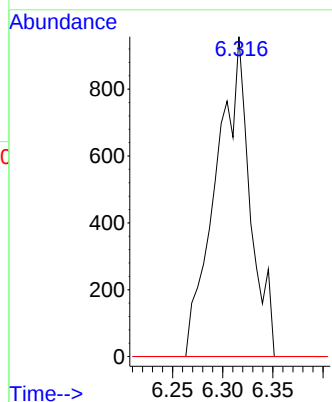
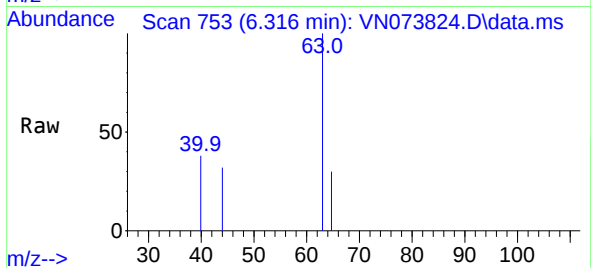




#24
1,1-Dichloroethane
Concen: 0.287 ug/l
RT: 6.316 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

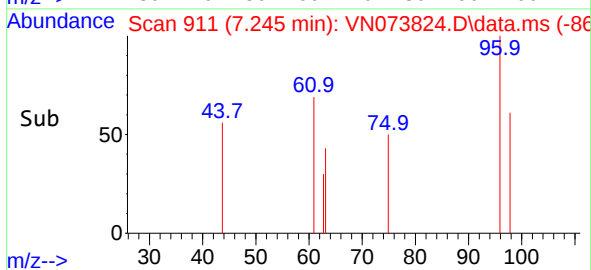
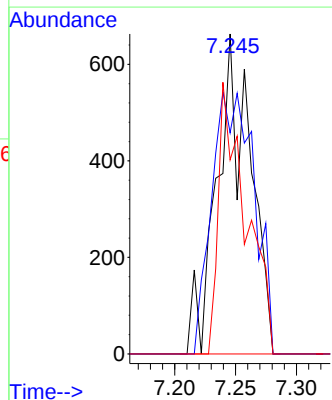
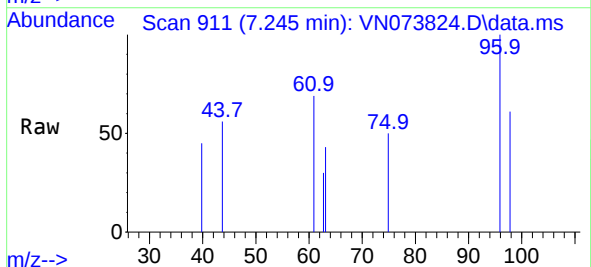
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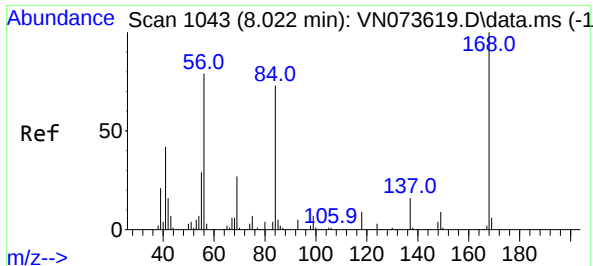
Tgt Ion: 63 Resp: 2262
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 0.255 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Tgt Ion: 96 Resp: 1265
Ion Ratio Lower Upper
96 100
61 103.8 0.0 280.6
98 69.7 0.0 128.4

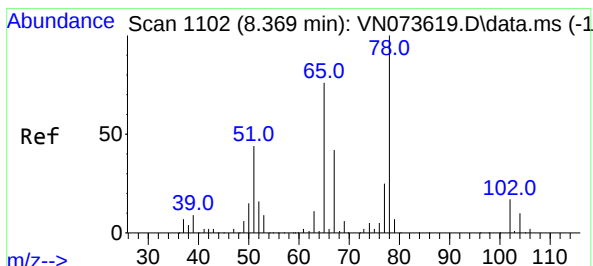
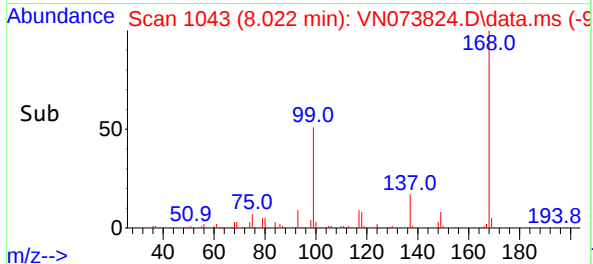
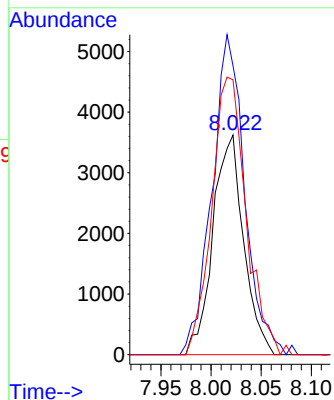
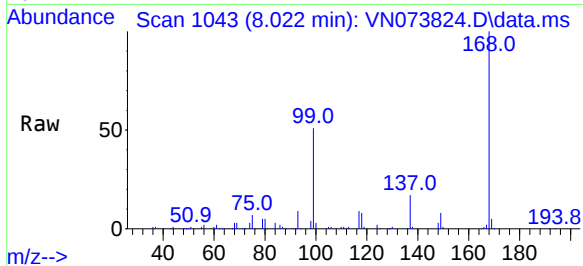




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 8.022 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

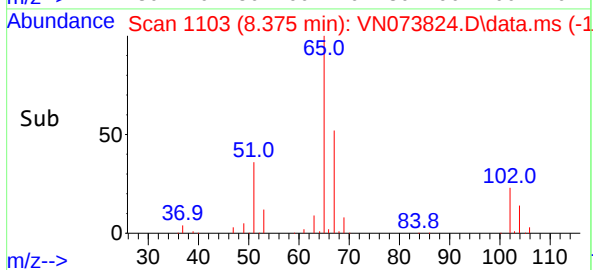
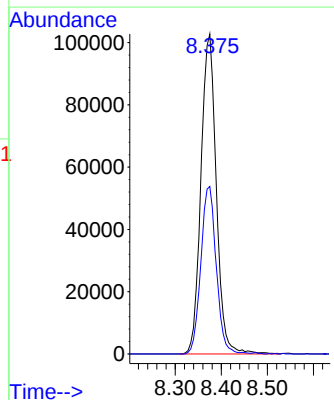
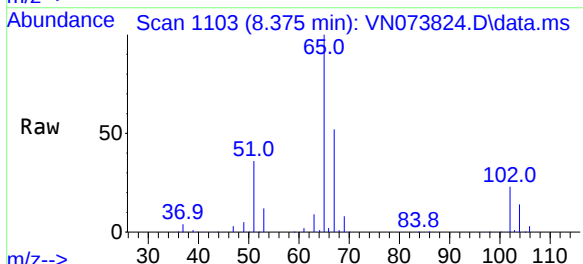
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

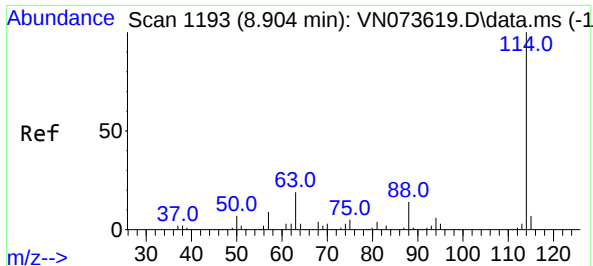
Tgt Ion: 56 Resp: 7725
Ion Ratio Lower Upper
56 100
69 131.6 27.8 41.8#
84 125.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.103 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Tgt Ion: 65 Resp: 238970
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073824.D

Acq: 11 Aug 2022 14:49

Instrument :

MSVOA_N

ClientSampleId :

TT149S1-20220809

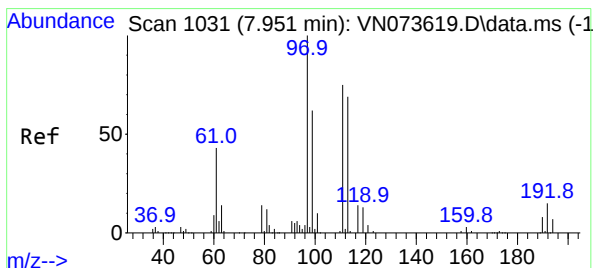
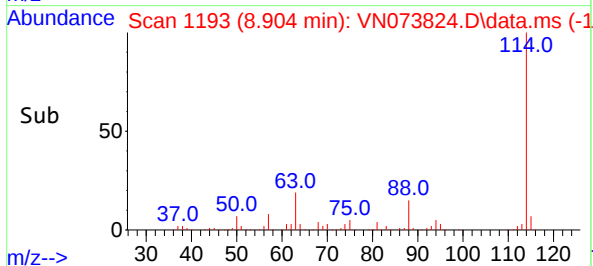
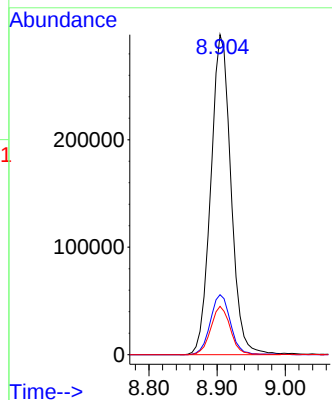
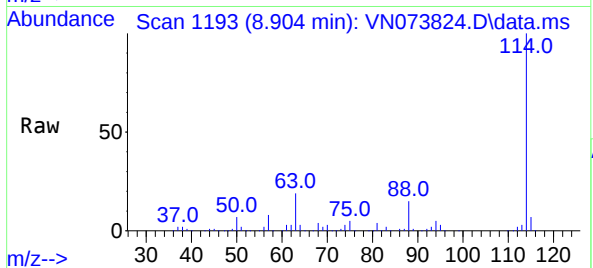
Tgt Ion:114 Resp: 612547

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 57.518 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073824.D

Acq: 11 Aug 2022 14:49

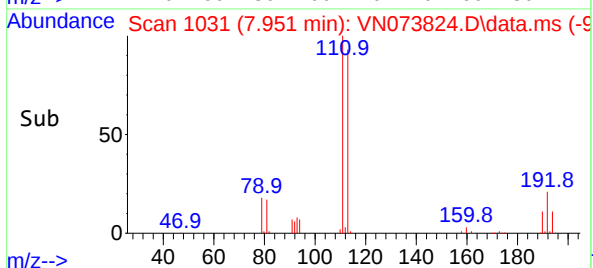
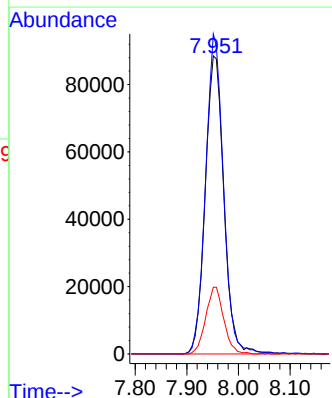
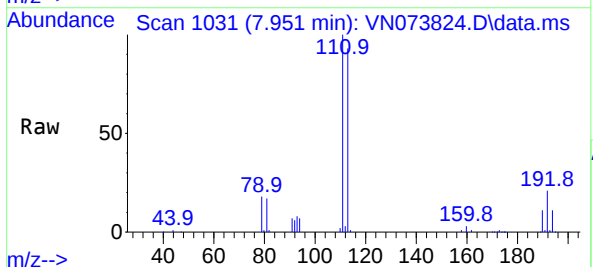
Tgt Ion:113 Resp: 221238

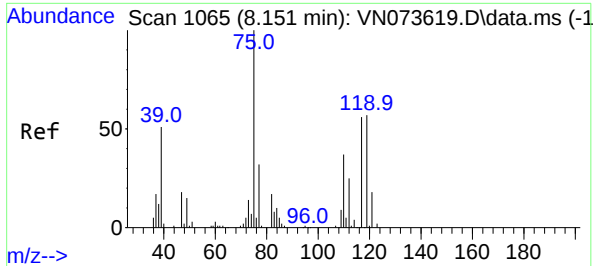
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 21.7 17.0 25.6

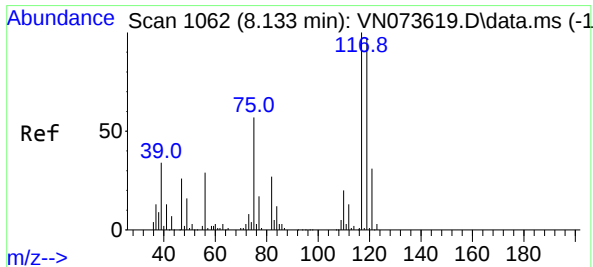
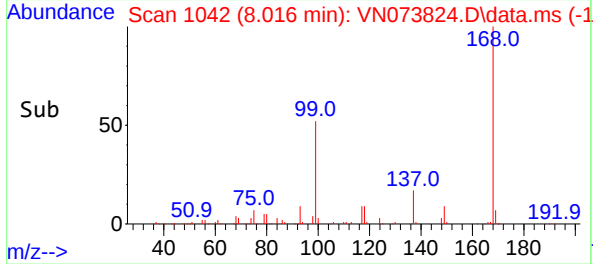
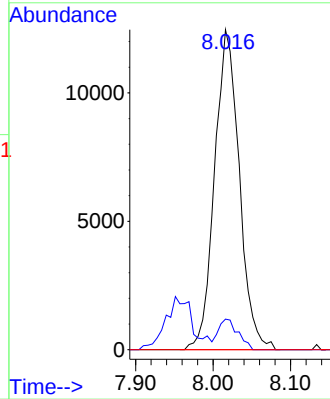
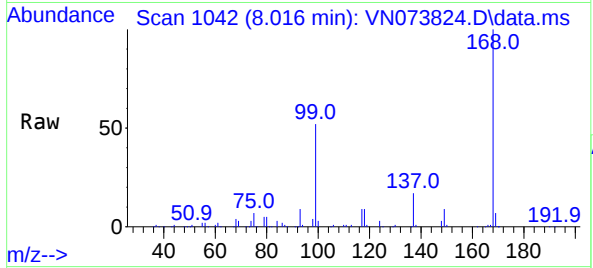




#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

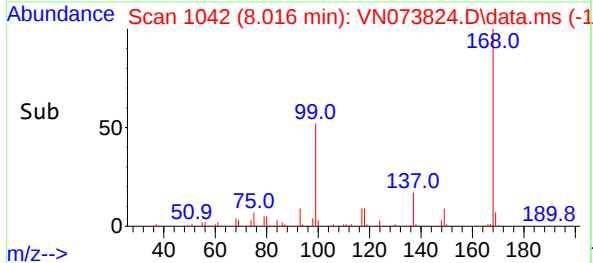
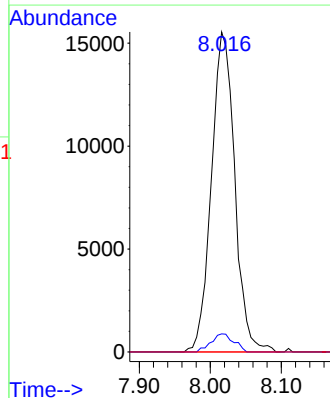
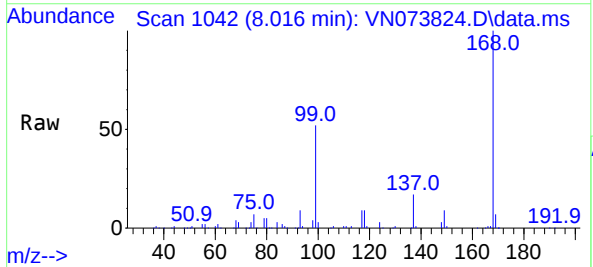
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

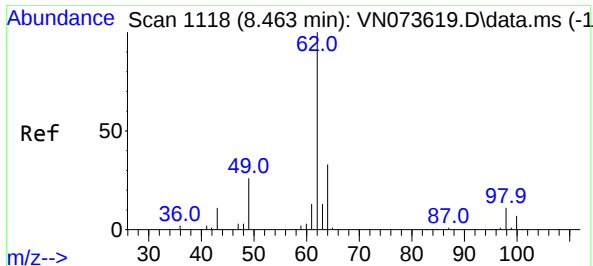
Tgt Ion: 75 Resp: 27619
Ion Ratio Lower Upper
75 100
110 7.6 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Tgt Ion: 117 Resp: 35445
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#

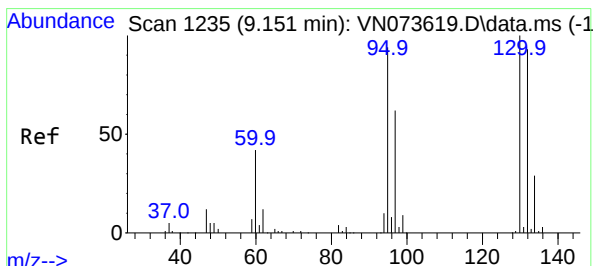
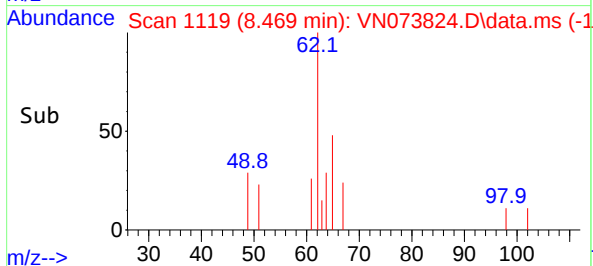
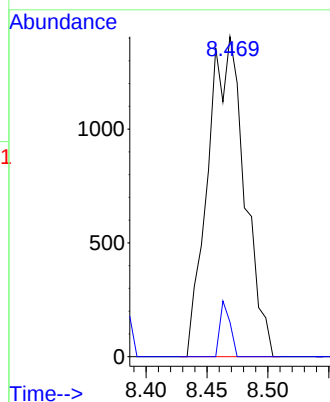
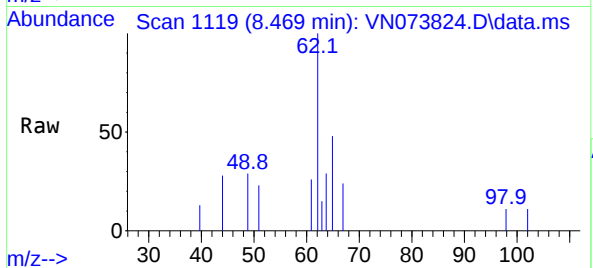




#42
1,2-Dichloroethane
Concen: 0.492 ug/l
RT: 8.469 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

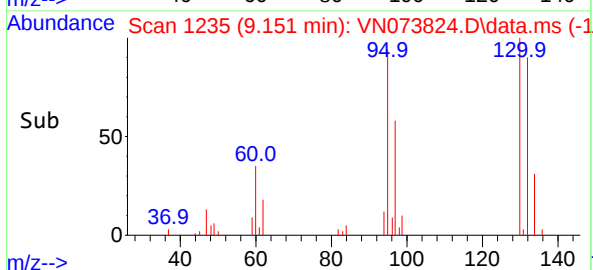
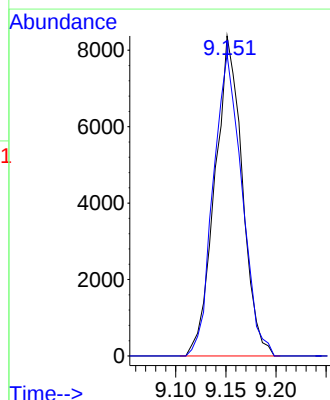
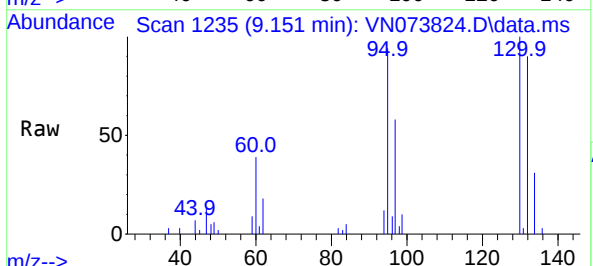
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

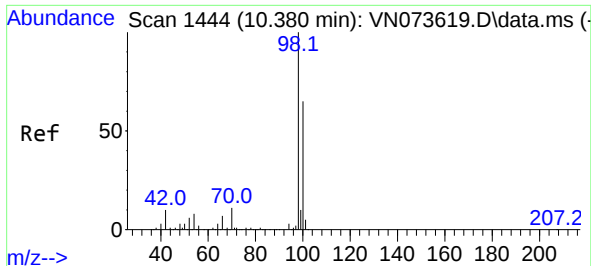
Tgt Ion: 62 Resp: 2949
Ion Ratio Lower Upper
62 100
98 4.7 0.0 19.4



#44
Trichloroethene
Concen: 3.515 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Tgt Ion: 130 Resp: 15870
Ion Ratio Lower Upper
130 100
95 94.2 0.0 186.8

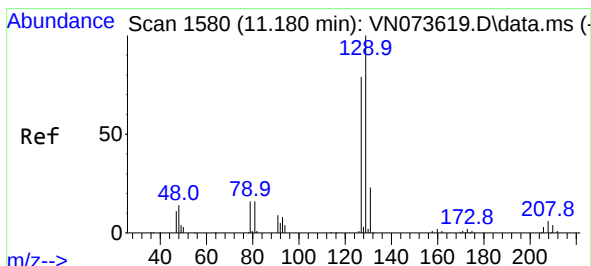
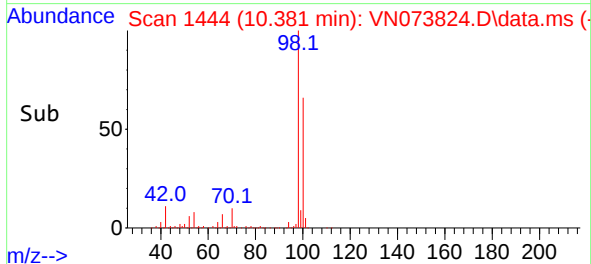
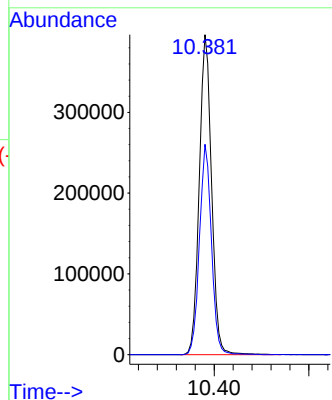
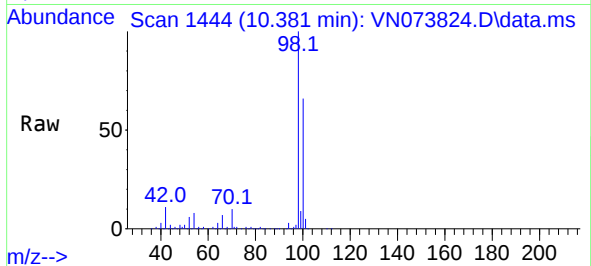




#50
Toluene-d8
Concen: 47.127 ug/l
RT: 10.381 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

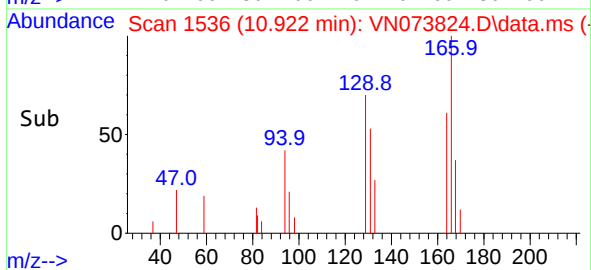
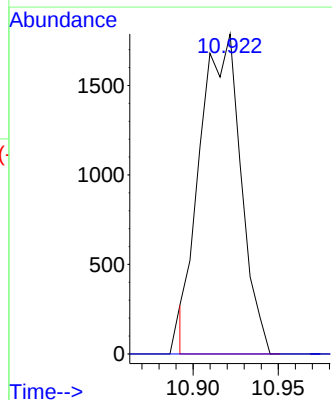
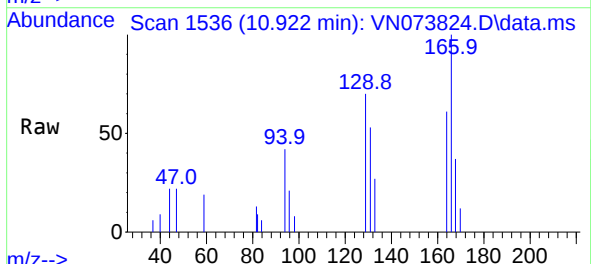
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

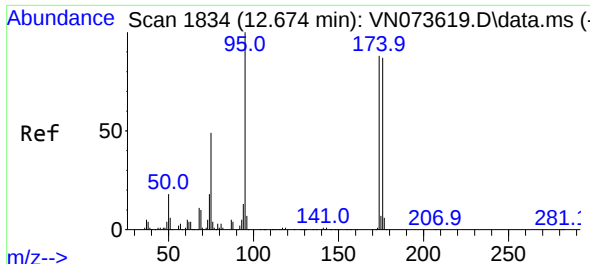
Tgt Ion: 98 Resp: 713314
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#60
Dibromochloromethane
Concen: 0.657 ug/l
RT: 10.922 min Scan# 1536
Delta R.T. -0.259 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Tgt Ion:129 Resp: 2964
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

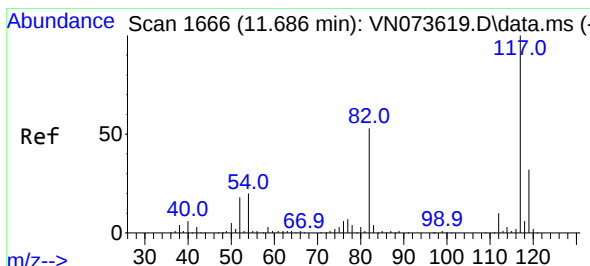
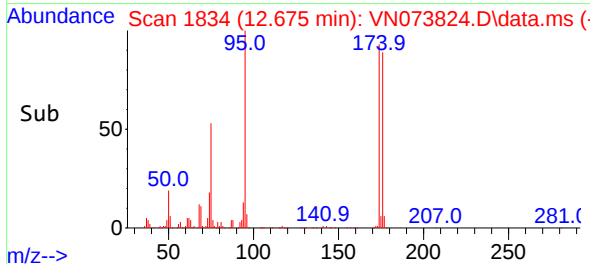
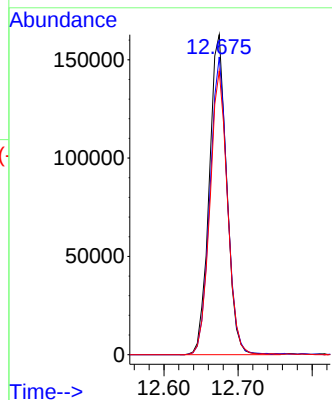
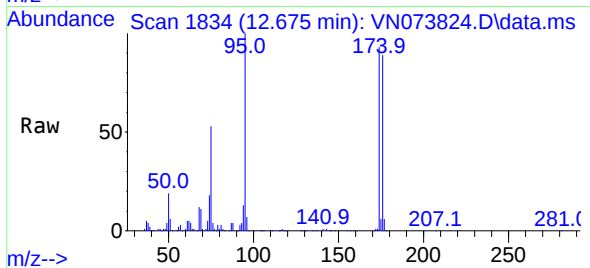




#62
4-Bromofluorobenzene
Concen: 50.201 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

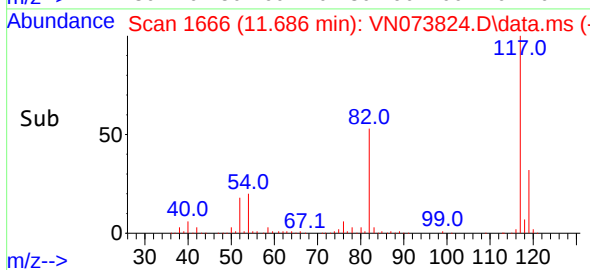
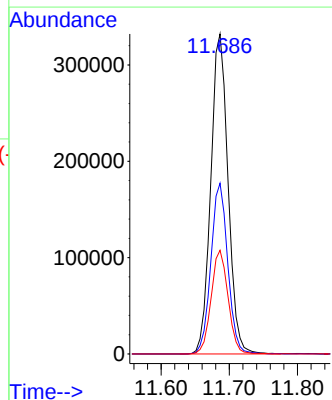
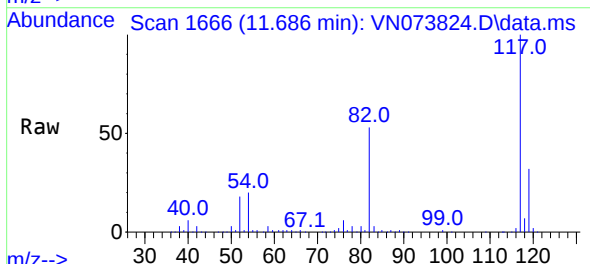
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

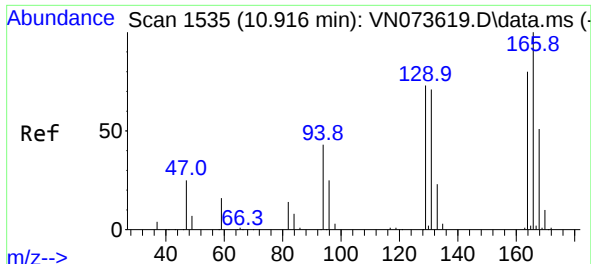
Tgt Ion: 95 Resp: 266806
Ion Ratio Lower Upper
95 100
174 92.5 0.0 167.6
176 89.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

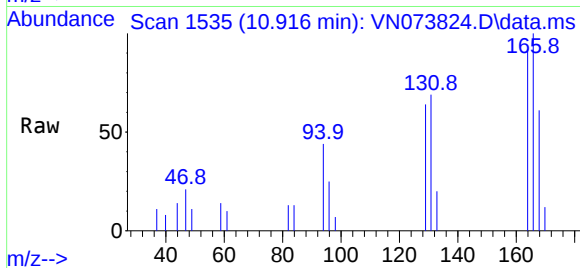
Tgt Ion: 117 Resp: 585868
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 32.4 25.4 38.0



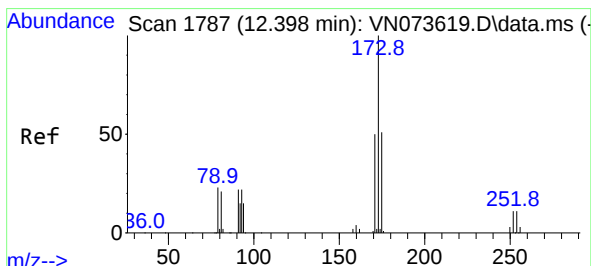
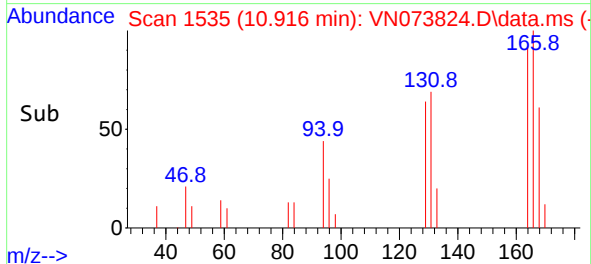
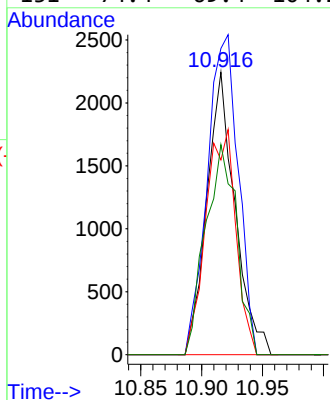


#64
Tetrachloroethene
Concen: 0.777 ug/l
RT: 10.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20220809

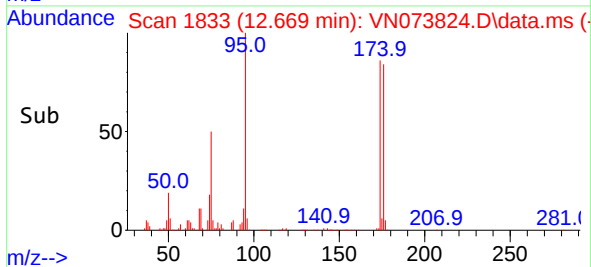
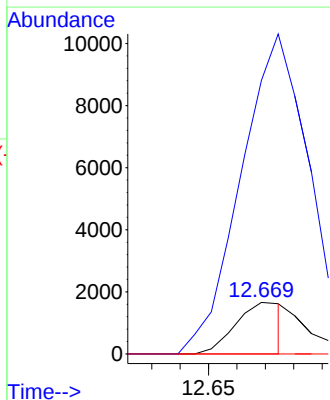
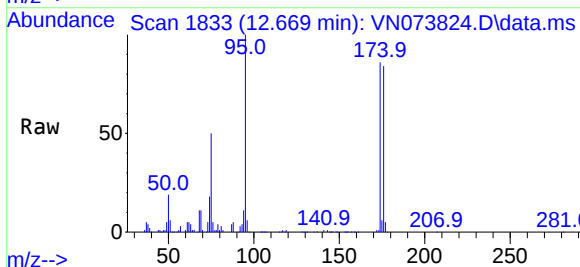


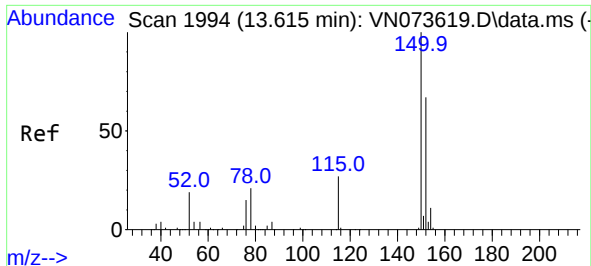
Tgt Ion:164 Resp: 3620
Ion Ratio Lower Upper
164 100
166 108.5 104.2 156.2
129 69.0 73.9 110.9#
131 74.4 69.4 104.2



#71
Bromoform
Concen: 0.519 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

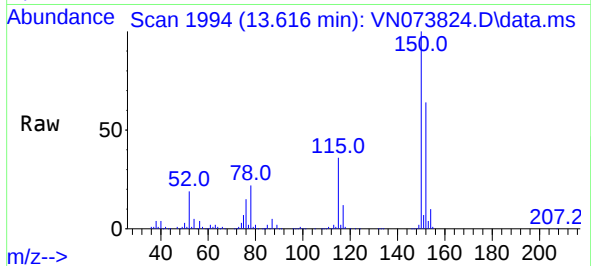
Tgt Ion:173 Resp: 1911
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



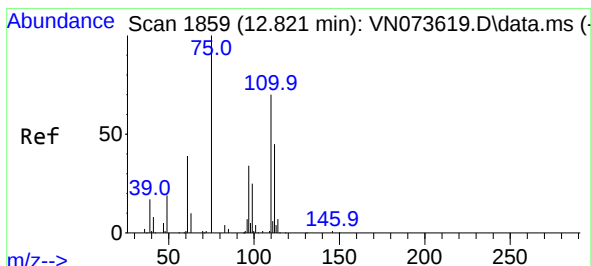
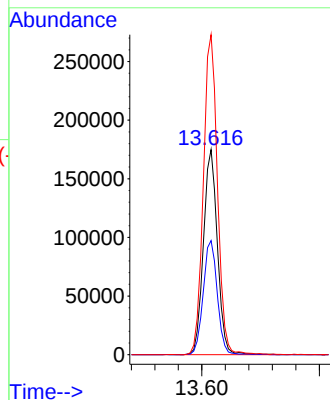
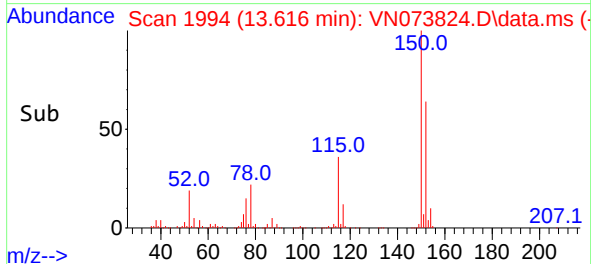


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49

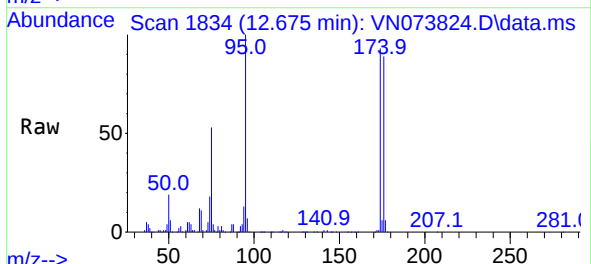
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MSVOA_N
ClientSampleId :
TT149S1-20220809



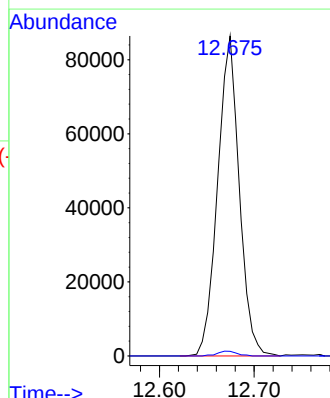
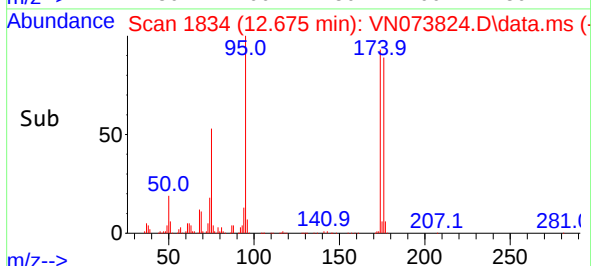
Tgt Ion:152 Resp: 289205
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.7
150 157.5 0.0 356.2

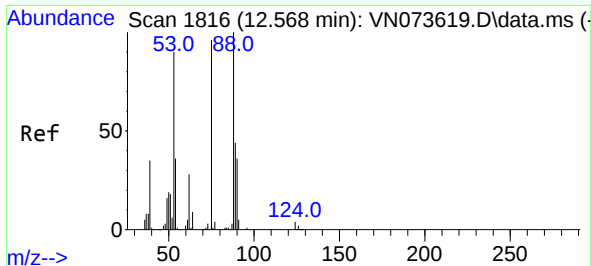


#76
1,2,3-Trichloropropane
Concen: 24.219 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN073824.D
Acq: 11 Aug 2022 14:49



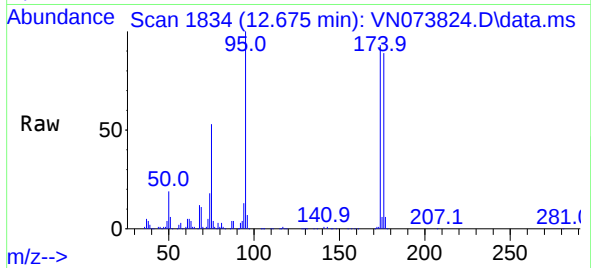
Tgt Ion: 75 Resp: 137121
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.444 ug/l
 RT: 12.675 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073824.D
 Acq: 11 Aug 2022 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 TT149S1-20220809



Tgt Ion: 75 Resp: 137121
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

