

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081122\
 Data File : VN073825.D
 Acq On : 11 Aug 2022 15:14
 Operator : JC\MD
 Sample : N4172-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20220809

Quant Time: Aug 12 06:02:29 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)

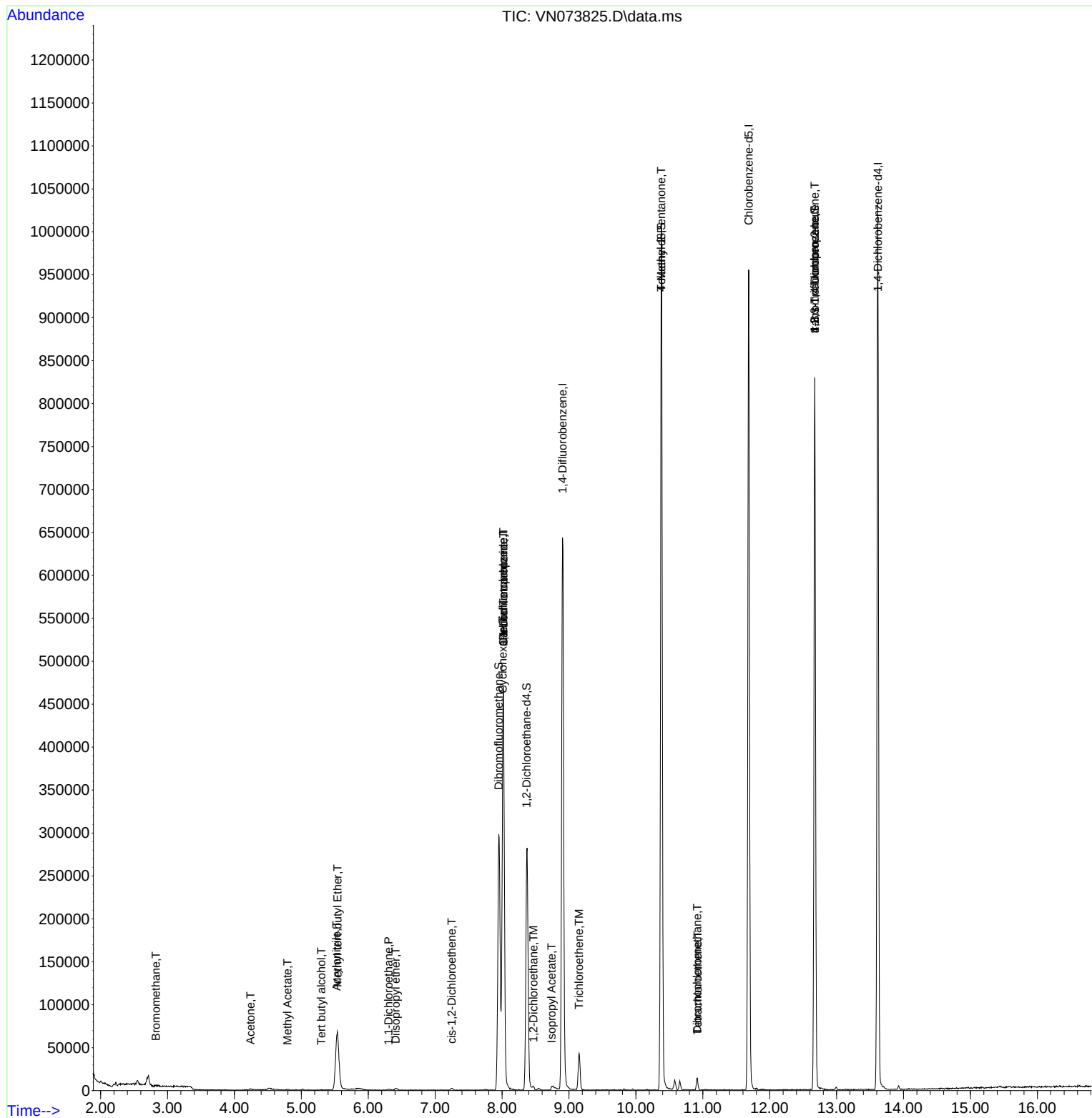
Internal Standards						
1) Pentafluorobenzene	8.016	168	387300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	609363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	582345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	291305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	239602	50.764	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.520%	
35) Dibromofluoromethane	7.951	113	225244	58.866	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.740%	
50) Toluene-d8	10.380	98	716170	47.563	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.120%	
62) 4-Bromofluorobenzene	12.674	95	269554	50.940	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	968	Below Cal		97
5) Bromomethane	2.828	94	1063	0.279 ug/l	#	68
6) Chloroethane	2.951	64	58	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	382	0.375 ug/l	#	72
15) Acrylonitrile	5.528	53	844	0.300 ug/l	#	13
16) Acetone	4.240	43	2230	0.880 ug/l	#	82
18) Methyl Acetate	4.792	43	1655	0.262 ug/l	#	62
19) Methyl tert-butyl Ether	5.539	73	109056	8.687 ug/l		99
20) Methylene Chloride	5.028	84	653	Below Cal	#	43
22) Diisopropyl ether	6.410	45	2692	0.212 ug/l	#	77
24) 1,1-Dichloroethane	6.304	63	2172	0.279 ug/l	#	82
27) cis-1,2-Dichloroethene	7.245	96	1223	0.250 ug/l		84
31) Cyclohexane	8.010	56	7262	1.033 ug/l	#	8
36) 1,1-Dichloropropene	8.022	75	26897	4.932 ug/l	#	48
38) Carbon Tetrachloride	8.022	117	35443	6.399 ug/l	#	16
42) 1,2-Dichloroethane	8.469	62	2994	0.502 ug/l	#	74
43) Isopropyl Acetate	8.739	43	2999	0.309 ug/l	#	53
44) Trichloroethene	9.151	130	17226	3.836 ug/l		92
51) 4-Methyl-2-Pentanone	10.380	43	2702	0.388 ug/l	#	1
60) Dibromochloromethane	10.916	129	2983	0.665 ug/l	#	11
64) Tetrachloroethene	10.921	164	3861	0.834 ug/l	#	77
76) 1,2,3-Trichloropropane	12.674	75	135325	23.660 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.674	75	135325	60.202 ug/l	#	11

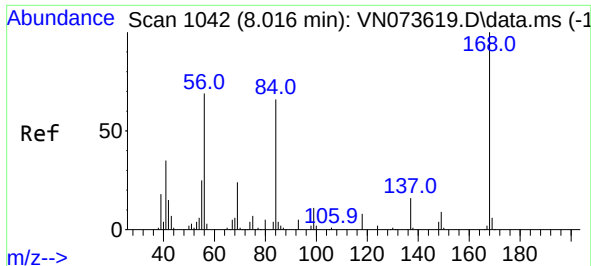
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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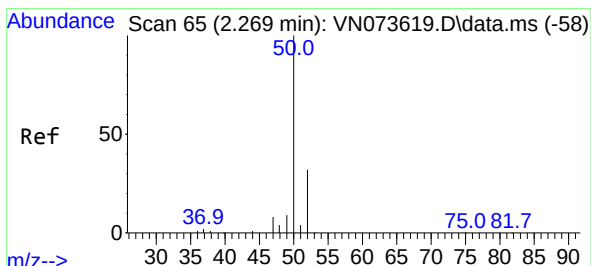
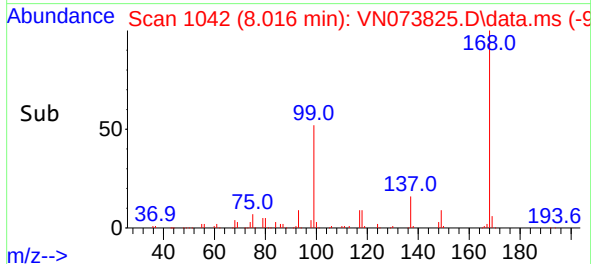
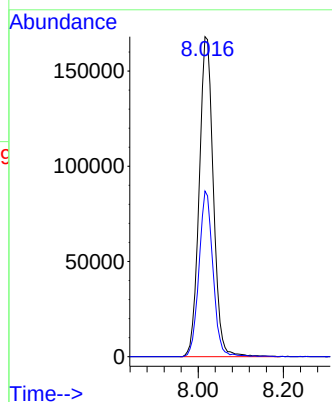
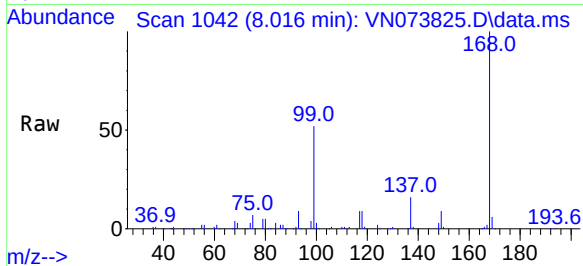




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

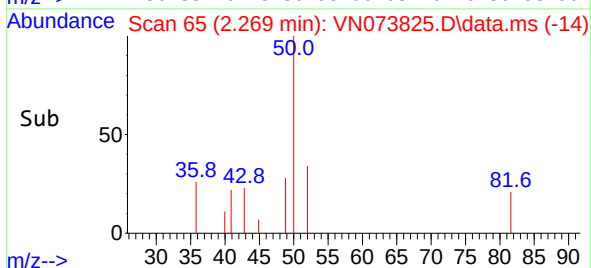
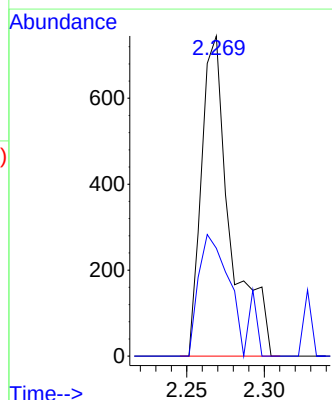
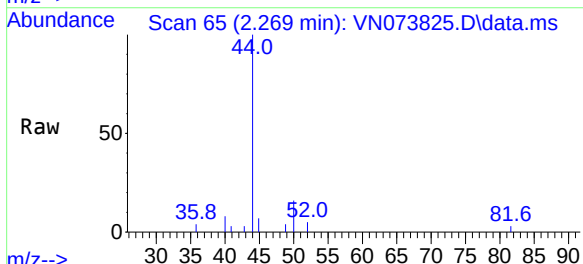
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809

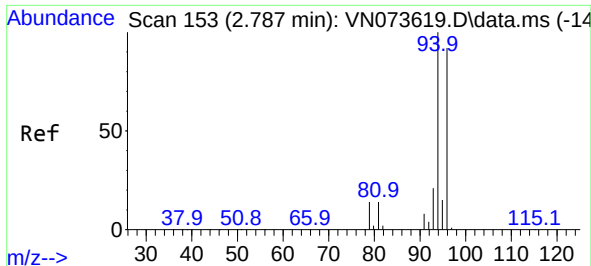
Tgt Ion:168 Resp: 387300
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

Tgt Ion: 50 Resp: 968
Ion Ratio Lower Upper
50 100
52 33.7 25.7 38.5

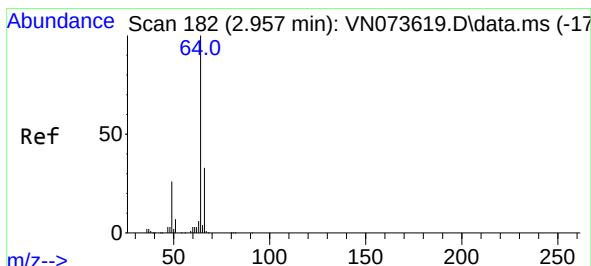
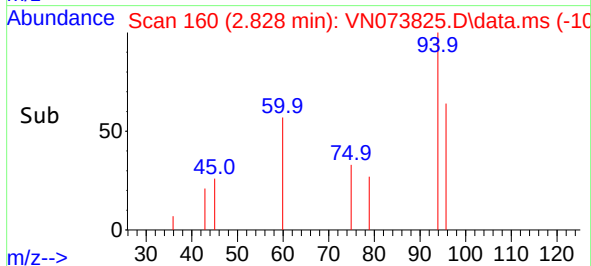
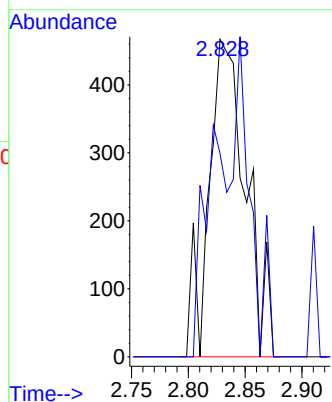
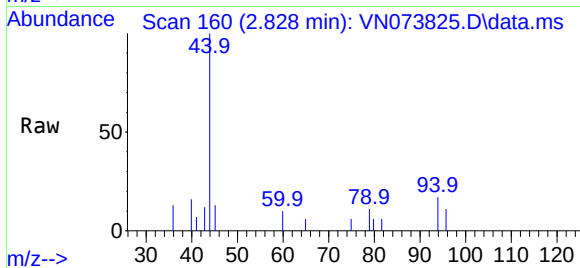




#5
Bromomethane
Concen: 0.279 ug/l
RT: 2.828 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

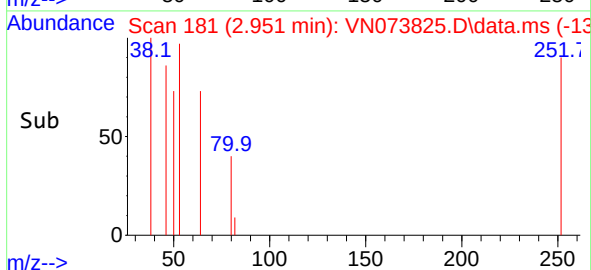
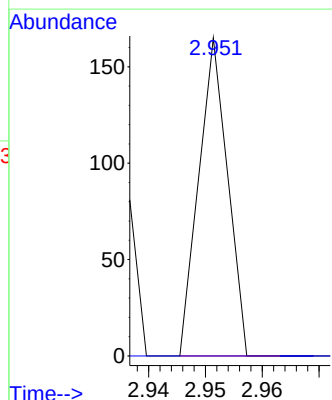
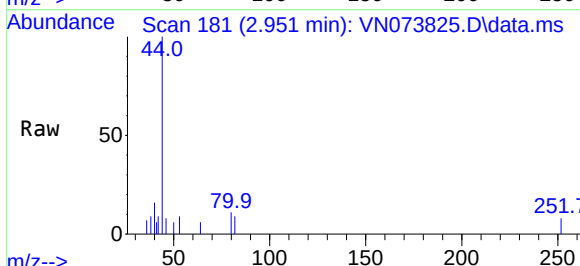
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809

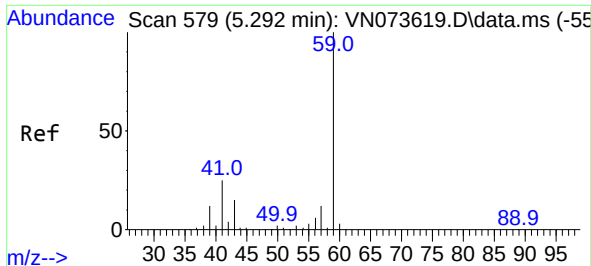
Tgt Ion: 94 Resp: 1063
Ion Ratio Lower Upper
94 100
96 64.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.951 min Scan# 181
Delta R.T. -0.006 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.375 ug/l

RT: 5.298 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN073825.D

Acq: 11 Aug 2022 15:14

Instrument :

MSVOA_N

ClientSampleId :

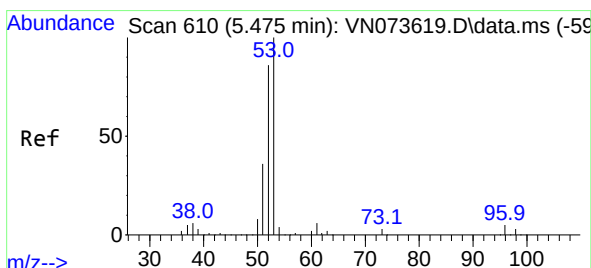
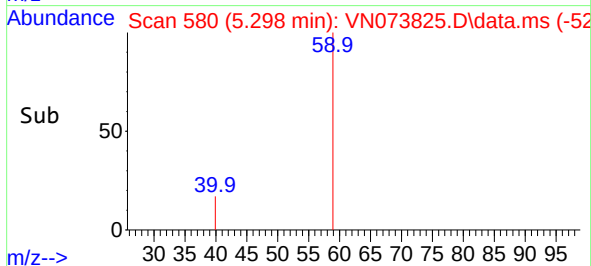
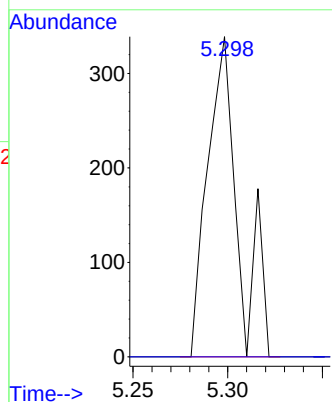
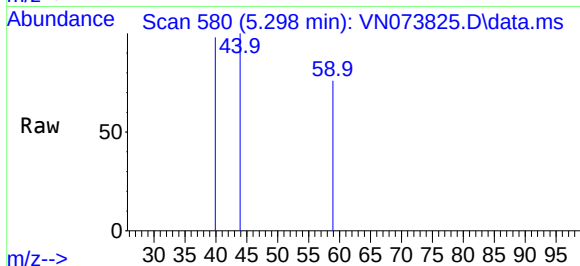
DUP02-20220809

Tgt Ion: 59 Resp: 382

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#15

Acrylonitrile

Concen: 0.300 ug/l

RT: 5.528 min Scan# 619

Delta R.T. 0.053 min

Lab File: VN073825.D

Acq: 11 Aug 2022 15:14

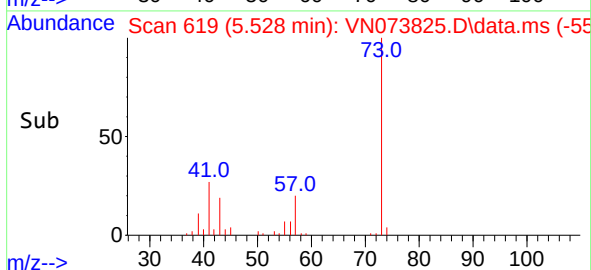
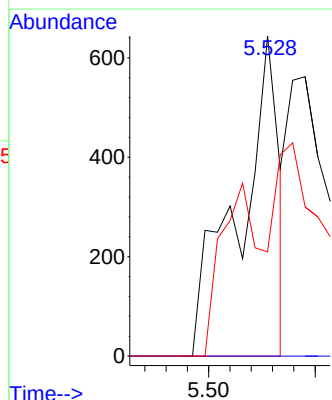
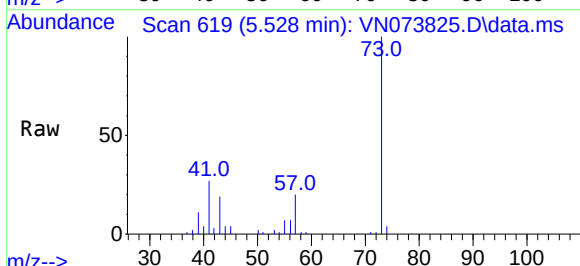
Tgt Ion: 53 Resp: 844

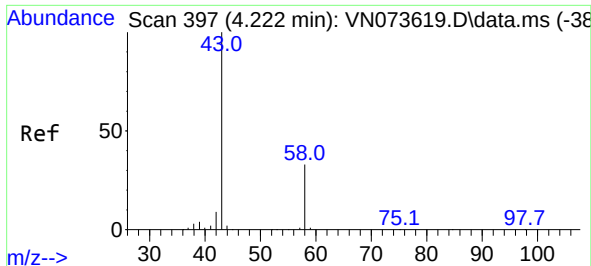
Ion Ratio Lower Upper

53 100

52 0.0 66.4 99.6#

51 79.4 28.5 42.7#

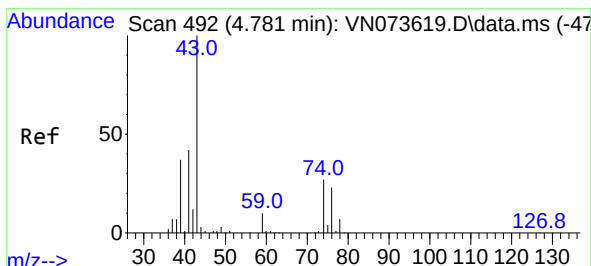
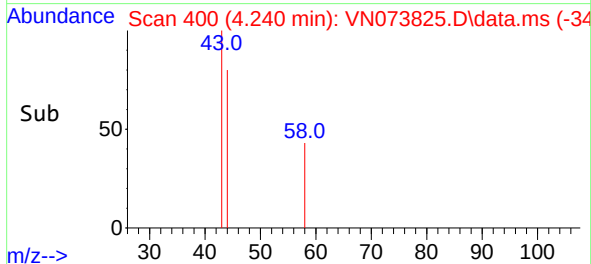
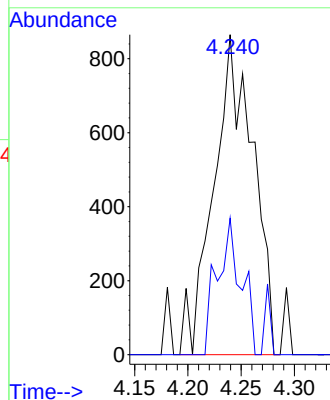
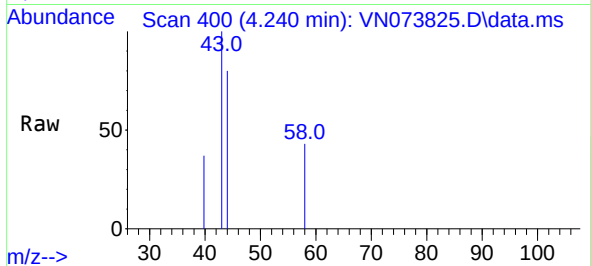




#16
Acetone
Concen: 0.880 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

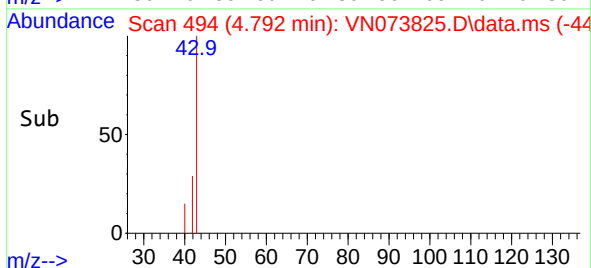
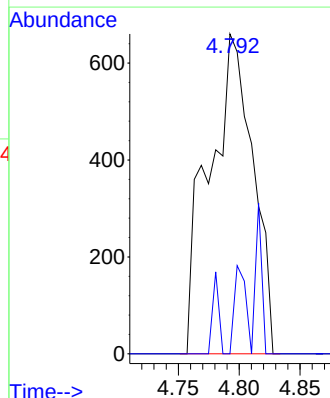
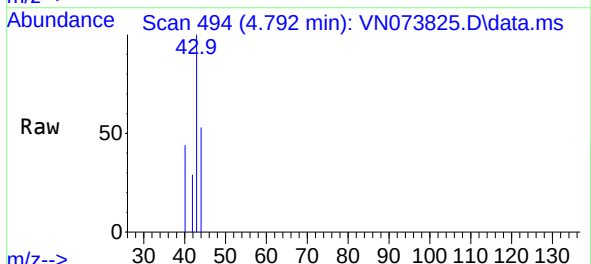
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809

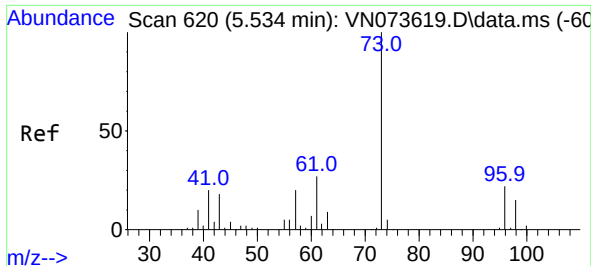
Tgt Ion: 43 Resp: 2230
Ion Ratio Lower Upper
43 100
58 42.7 26.0 39.0#



#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
74 7.1 21.6 32.4#





#19

Methyl tert-butyl Ether

Concen: 8.687 ug/l

RT: 5.539 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN073825.D

Acq: 11 Aug 2022 15:14

Instrument :

MSVOA_N

ClientSampleId :

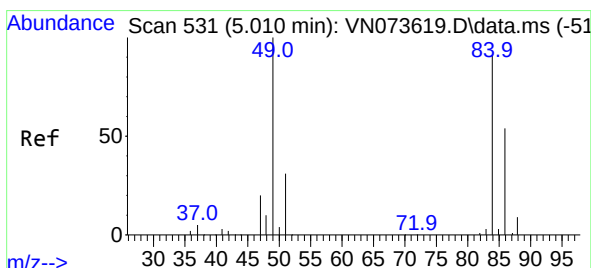
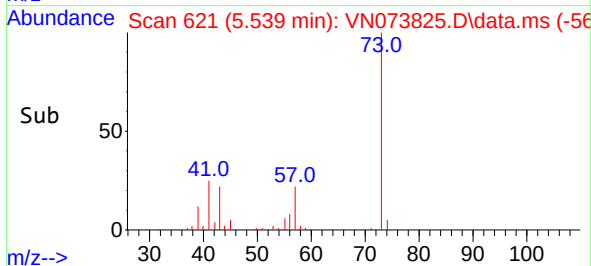
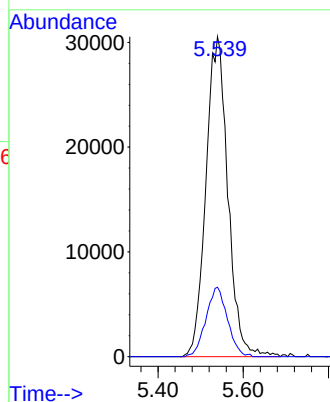
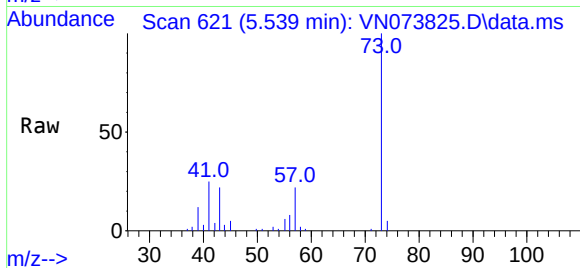
DUP02-20220809

Tgt Ion: 73 Resp: 109056

Ion Ratio Lower Upper

73 100

57 21.7 17.6 26.4



#20

Methylene Chloride

Concen: Below Cal

RT: 5.028 min Scan# 534

Delta R.T. 0.018 min

Lab File: VN073825.D

Acq: 11 Aug 2022 15:14

Tgt Ion: 84 Resp: 653

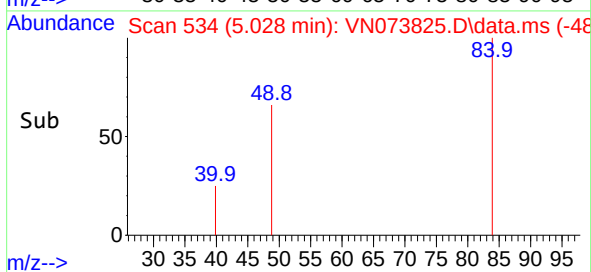
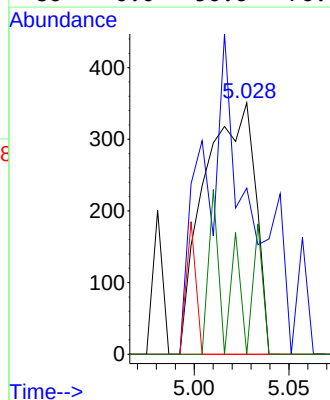
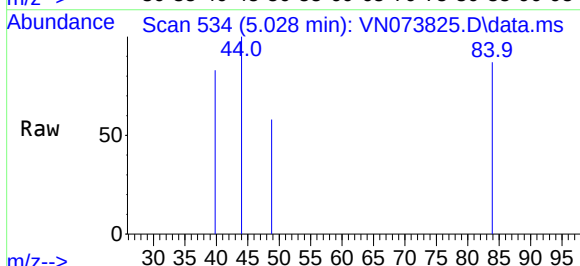
Ion Ratio Lower Upper

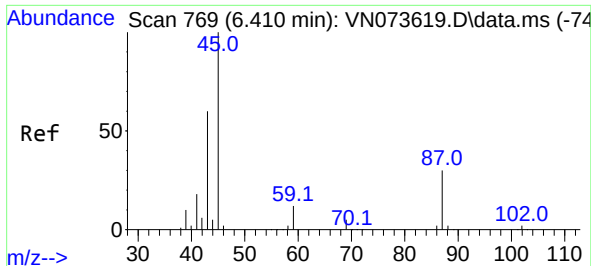
84 100

49 66.1 88.3 132.5#

51 0.0 28.2 42.2#

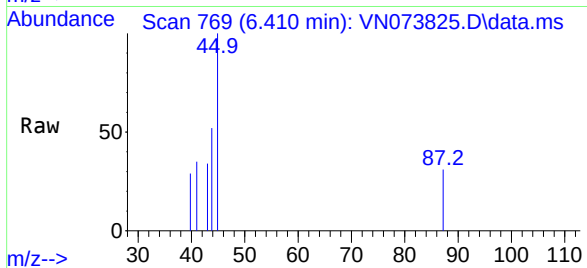
86 0.0 50.6 76.0#





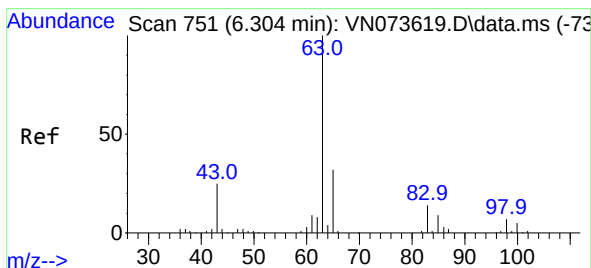
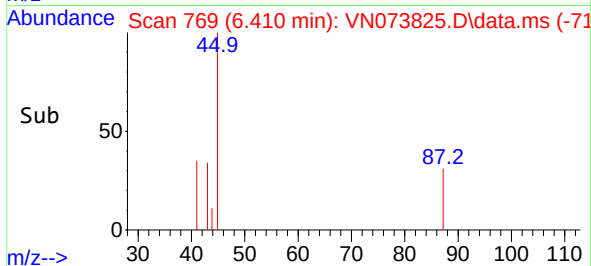
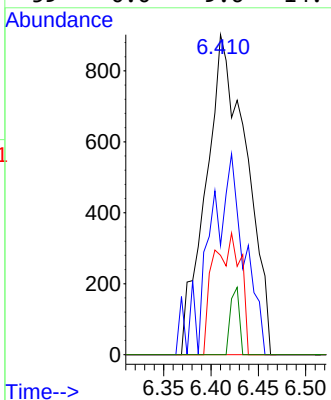
#22
Diisopropyl ether
Concen: 0.212 ug/l
RT: 6.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809



Tgt Ion: 45 Resp: 2692

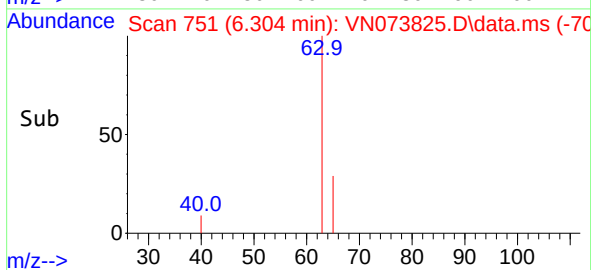
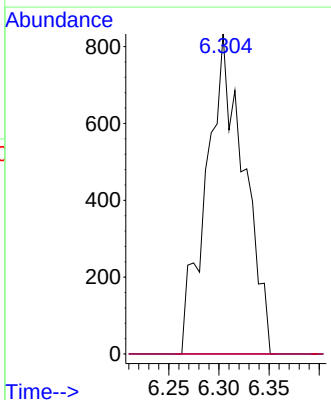
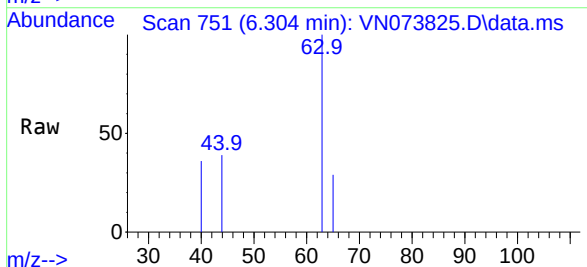
Ion	Ratio	Lower	Upper
45	100		
43	34.1	46.6	70.0#
87	31.0	24.3	36.5
59	0.0	9.6	14.4#

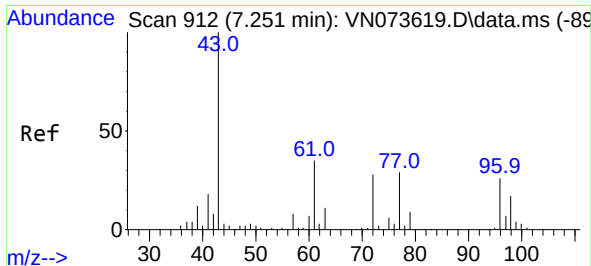


#24
1,1-Dichloroethane
Concen: 0.279 ug/l
RT: 6.304 min Scan# 751
Delta R.T. -0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

Tgt Ion: 63 Resp: 2172

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.4#
100	0.0	2.3	6.8#



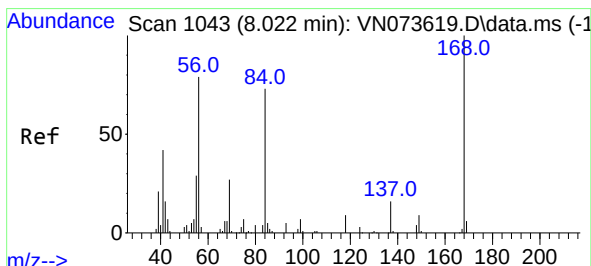
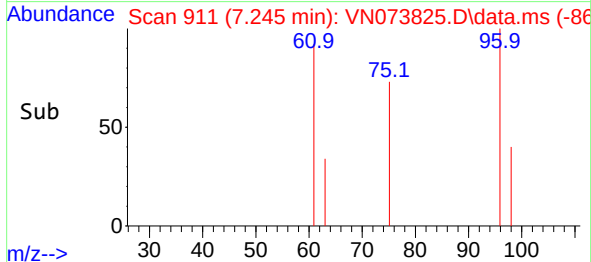
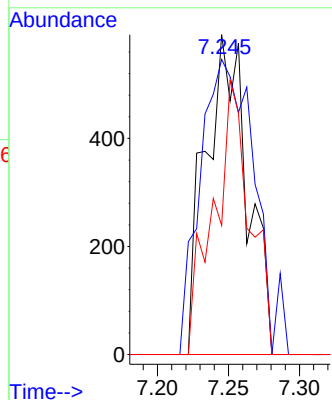
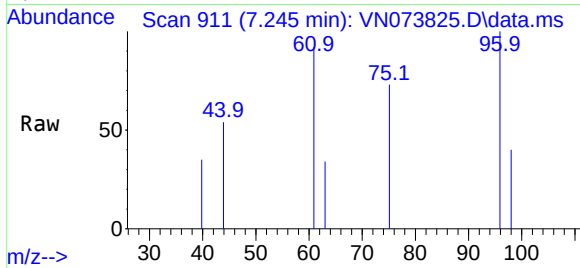


#27
 cis-1,2-Dichloroethene
 Concen: 0.250 ug/l
 RT: 7.245 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VN073825.D
 Acq: 11 Aug 2022 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20220809

Tgt Ion: 96 Resp: 1223

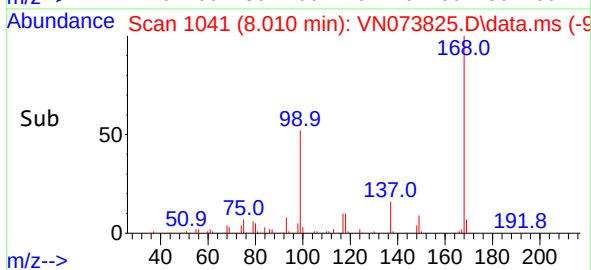
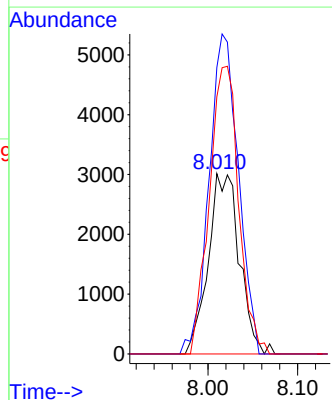
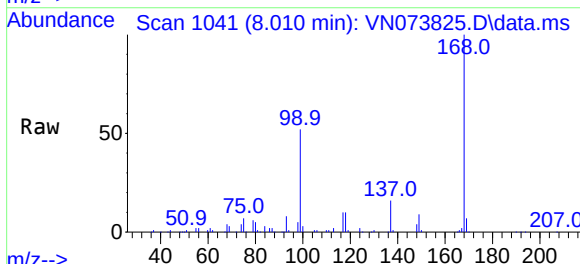
Ion	Ratio	Lower	Upper
96	100		
61	118.2	0.0	280.6
98	73.8	0.0	128.4

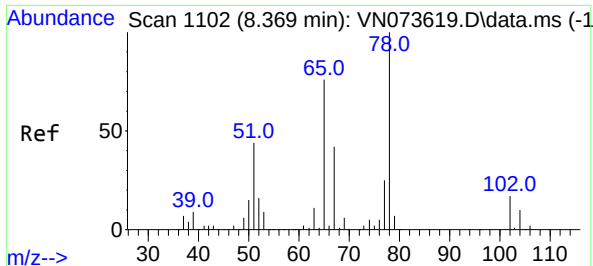


#31
 Cyclohexane
 Concen: 1.033 ug/l
 RT: 8.010 min Scan# 1041
 Delta R.T. -0.012 min
 Lab File: VN073825.D
 Acq: 11 Aug 2022 15:14

Tgt Ion: 56 Resp: 7262

Ion	Ratio	Lower	Upper
56	100		
69	158.8	27.8	41.8#
84	142.6	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 50.764 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073825.D

Acq: 11 Aug 2022 15:14

Instrument :

MSVOA_N

ClientSampleId :

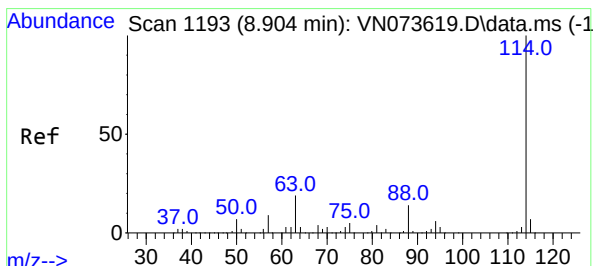
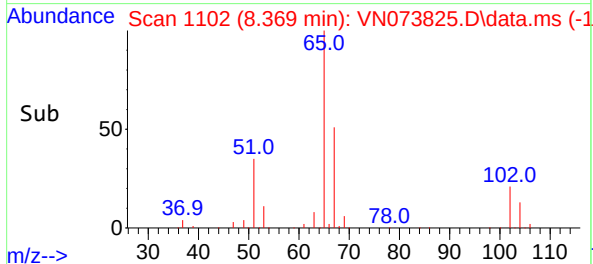
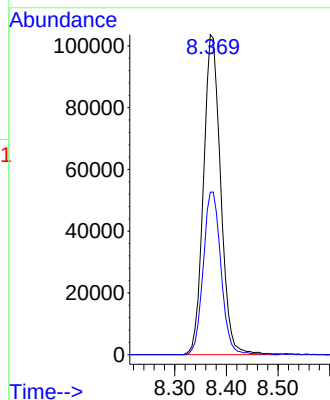
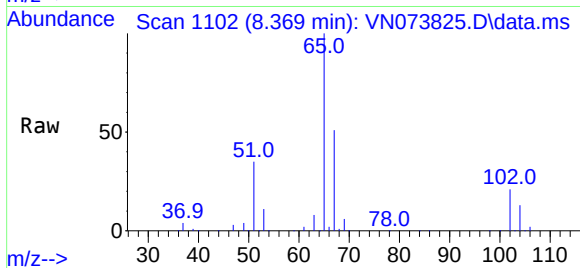
DUP02-20220809

Tgt Ion: 65 Resp: 239602

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: VN073825.D

Acq: 11 Aug 2022 15:14

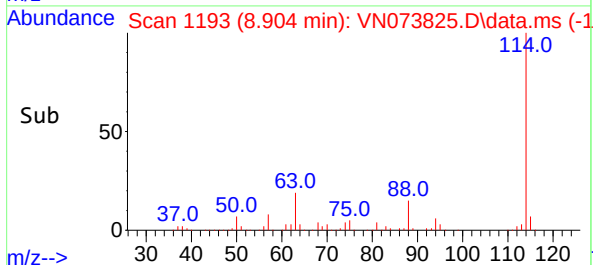
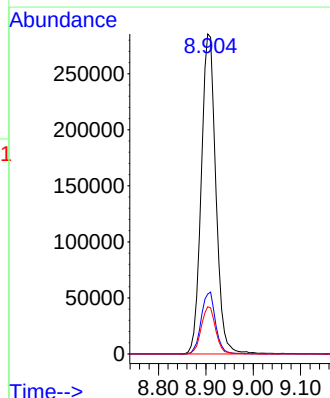
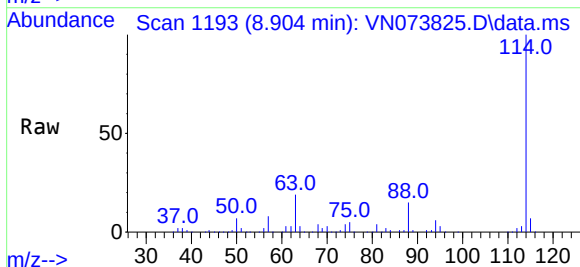
Tgt Ion: 114 Resp: 609363

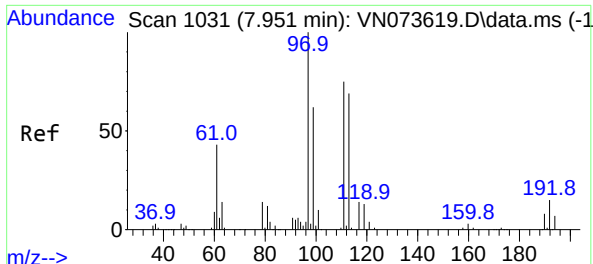
Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

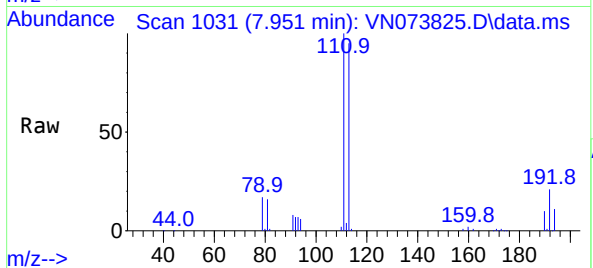
88 14.7 0.0 32.6



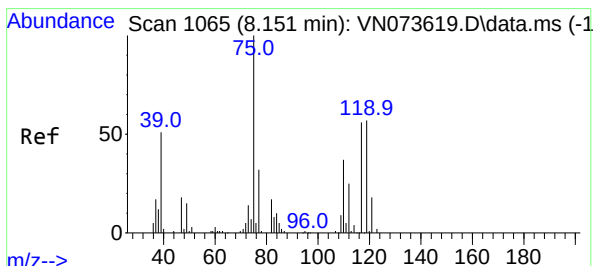
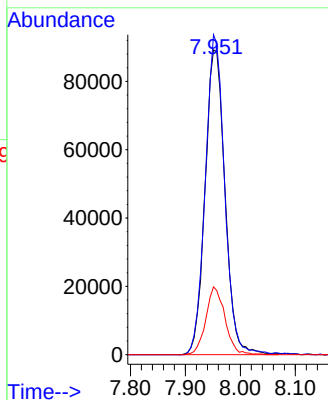
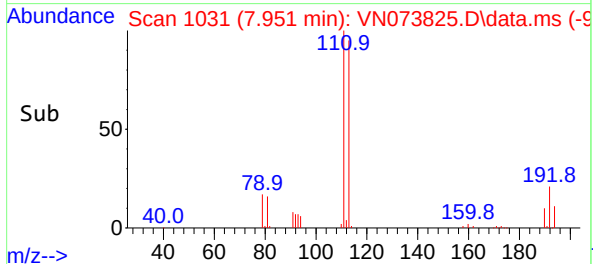


#35
Dibromofluoromethane
Concen: 58.866 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

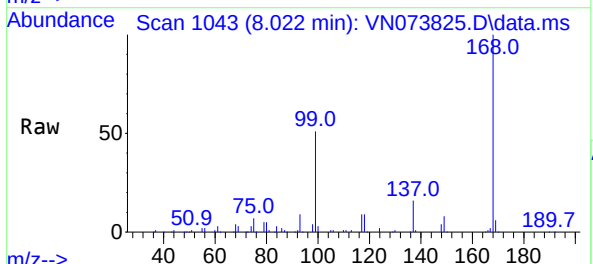
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809



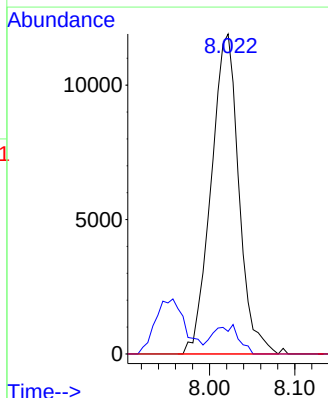
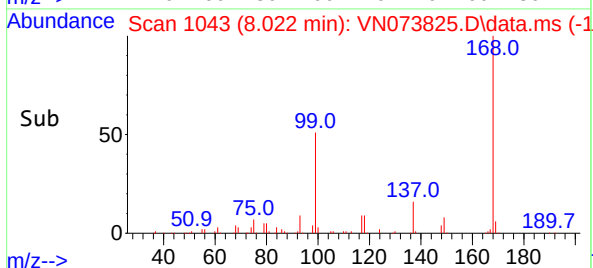
Tgt Ion:113 Resp: 225244
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.0
192 21.4 17.0 25.6

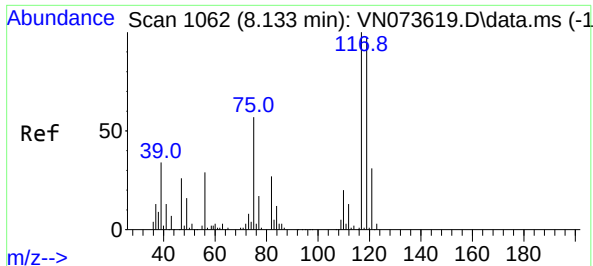


#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14



Tgt Ion: 75 Resp: 26897
Ion Ratio Lower Upper
75 100
110 8.4 18.3 54.8#
77 0.0 25.1 37.7#

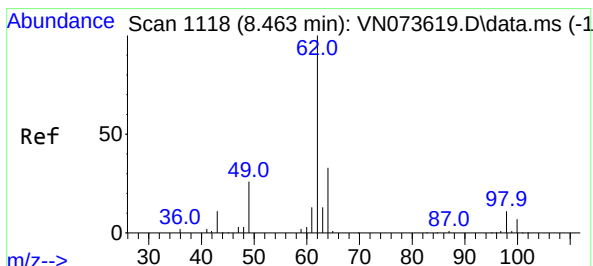
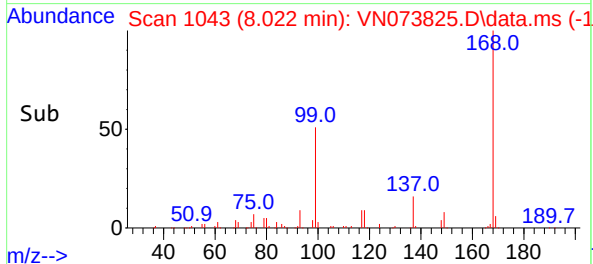
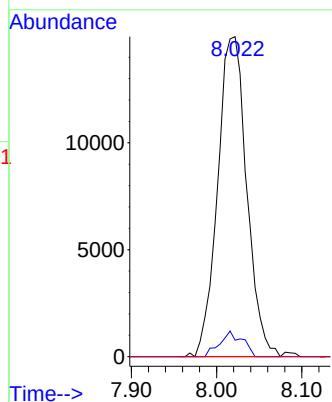
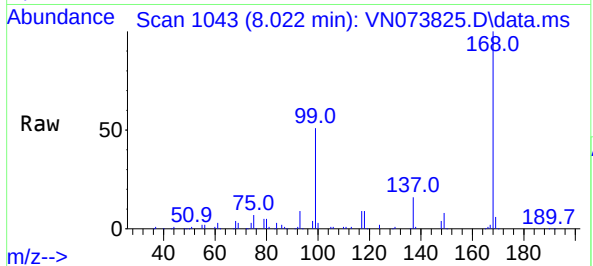




#38
Carbon Tetrachloride
Concen: 6.399 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

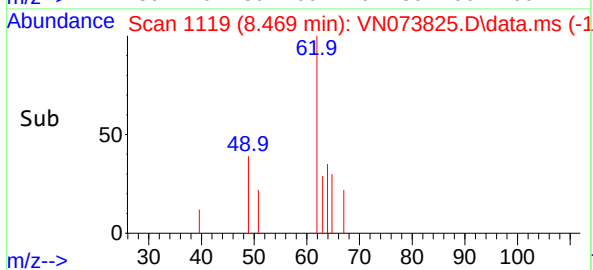
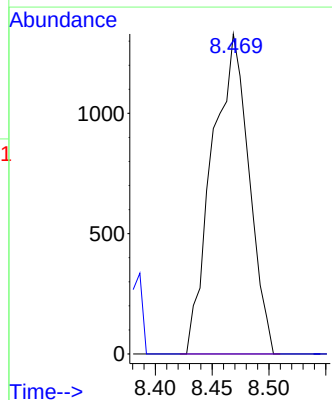
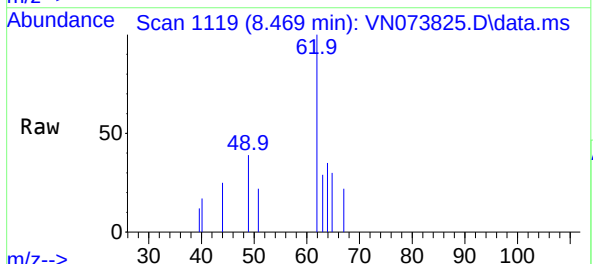
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809

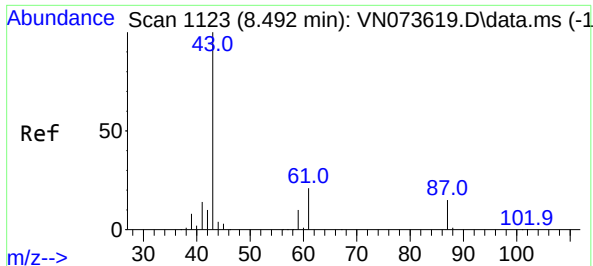
Tgt Ion:117 Resp: 35443
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.502 ug/l
RT: 8.469 min Scan# 1119
Delta R.T. 0.006 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

Tgt Ion: 62 Resp: 2994
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

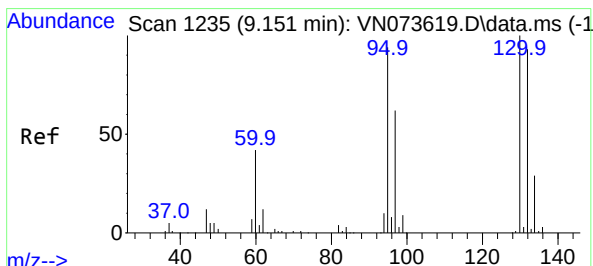
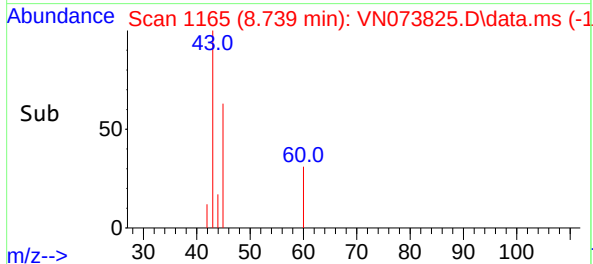
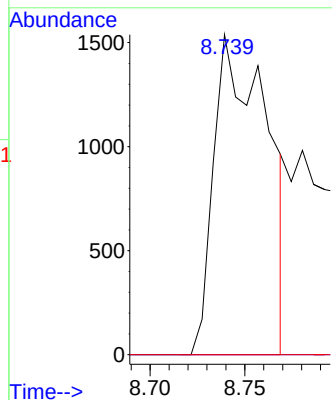
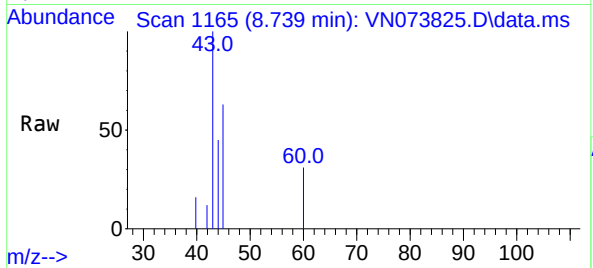




#43
Isopropyl Acetate
Concen: 0.309 ug/l
RT: 8.739 min Scan# 1165
Delta R.T. 0.247 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

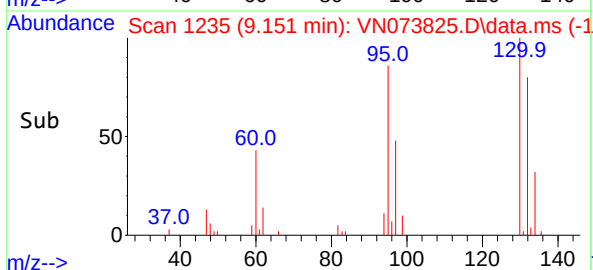
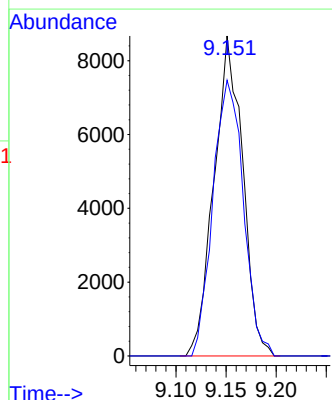
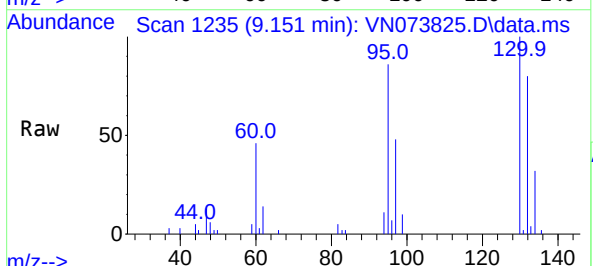
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809

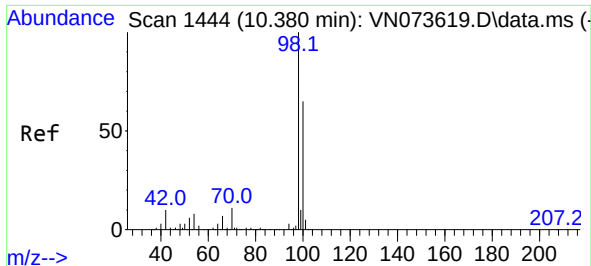
Tgt Ion:	43	Resp:	2999
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#



#44
Trichloroethene
Concen: 3.836 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

Tgt Ion:	130	Resp:	17226
Ion	Ratio	Lower	Upper
130	100		
95	86.1	0.0	186.8

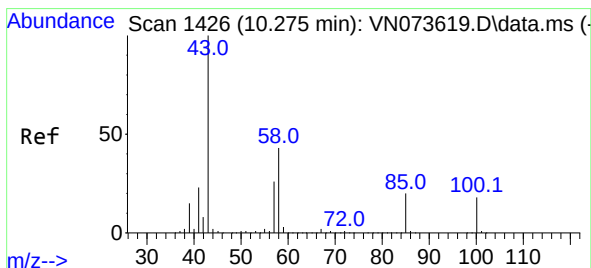
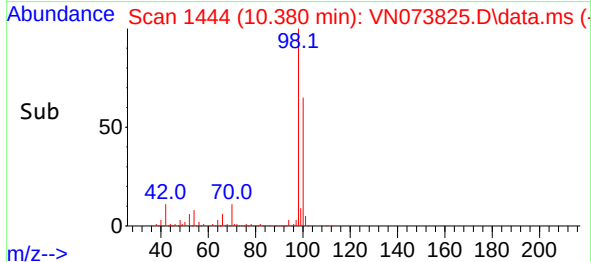
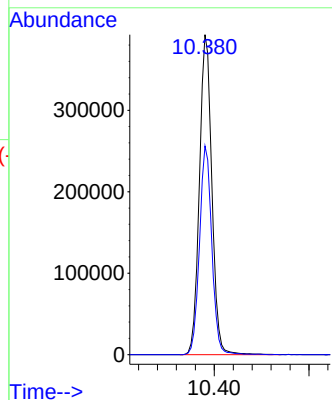
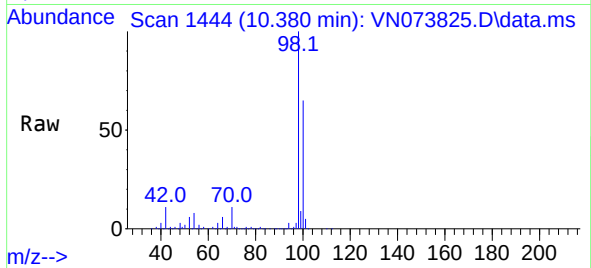




#50
Toluene-d8
Concen: 47.563 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

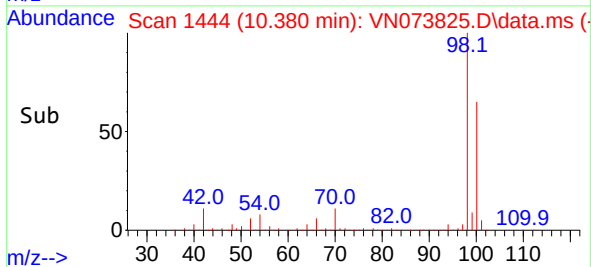
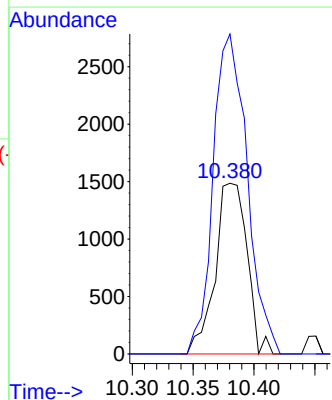
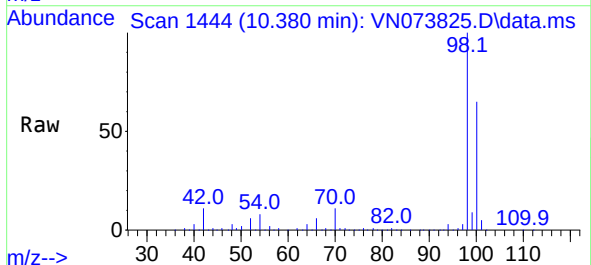
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809

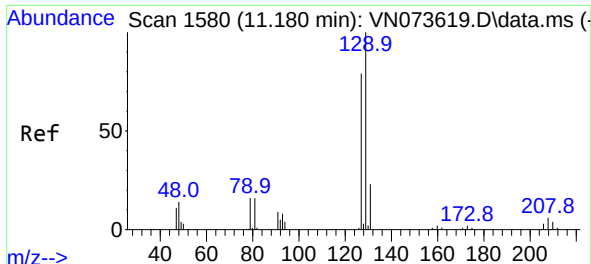
Tgt Ion: 98 Resp: 716170
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.388 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.105 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

Tgt Ion: 43 Resp: 2702
Ion Ratio Lower Upper
43 100
58 200.0 34.1 51.1#

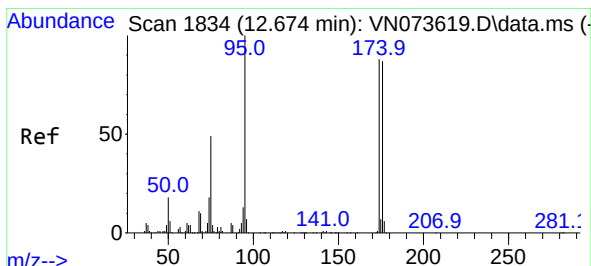
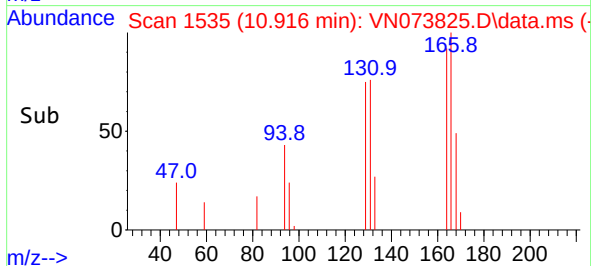
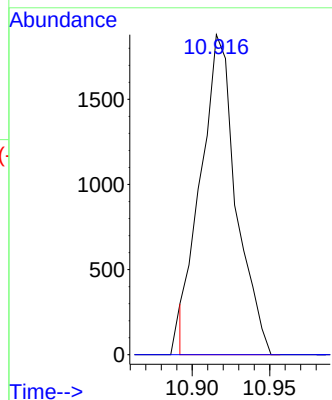
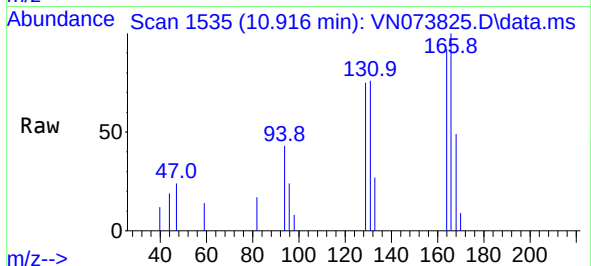




#60
Dibromochloromethane
Concen: 0.665 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

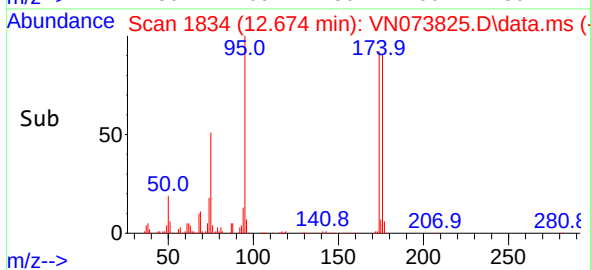
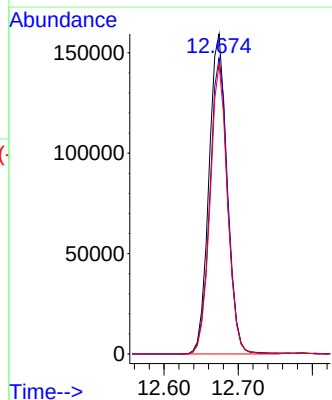
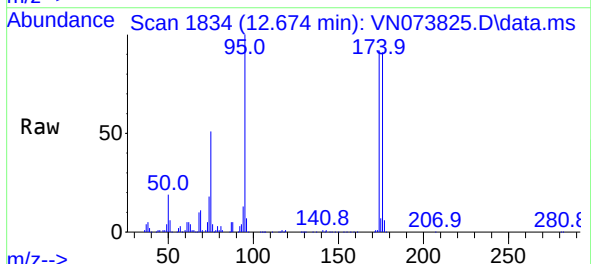
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809

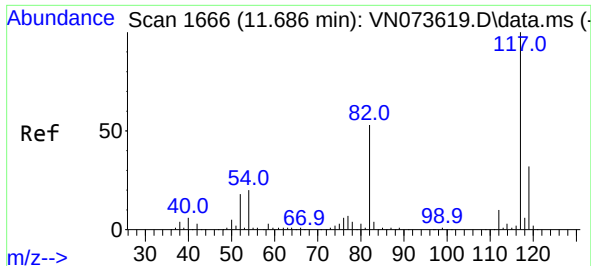
Tgt Ion:129 Resp: 2983
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.940 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

Tgt Ion: 95 Resp: 269554
Ion Ratio Lower Upper
95 100
174 92.2 0.0 167.6
176 87.1 0.0 163.4

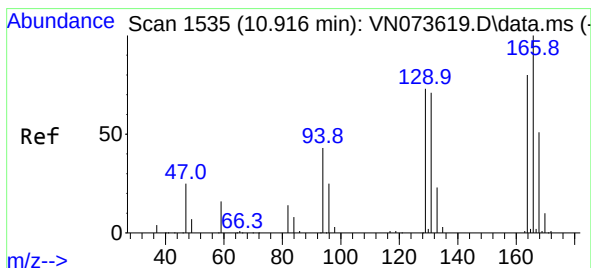
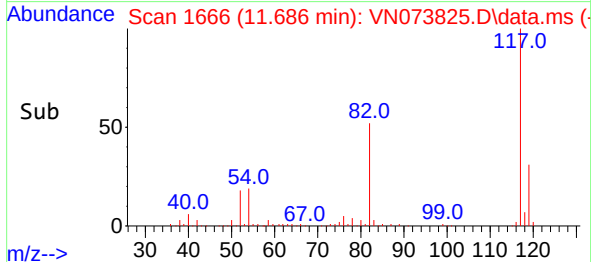
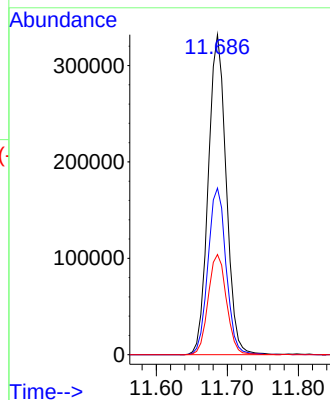
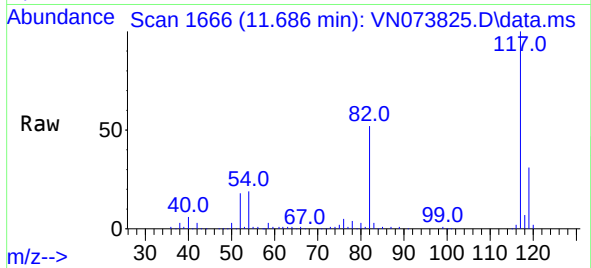




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

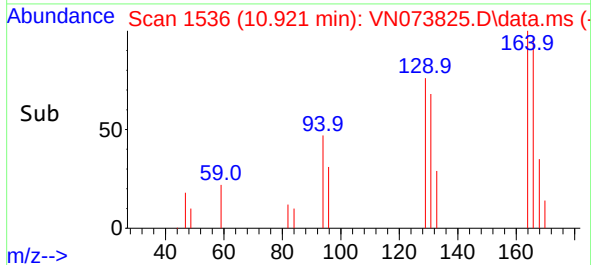
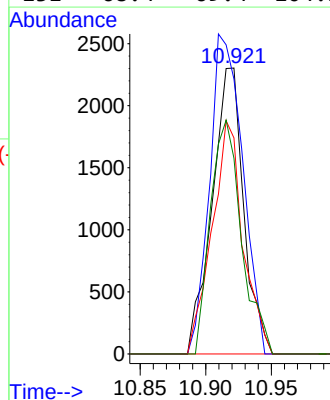
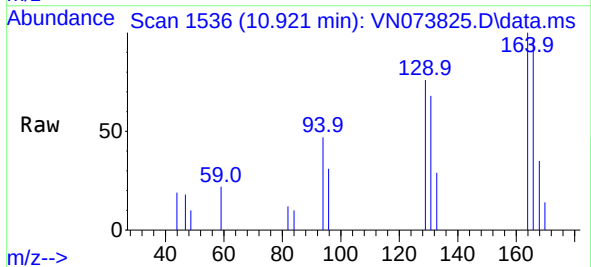
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809

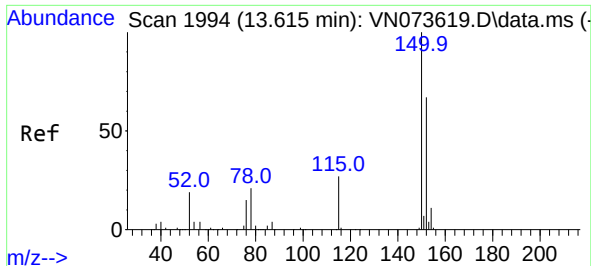
Tgt Ion:117 Resp: 582345
Ion Ratio Lower Upper
117 100
82 52.1 44.2 66.2
119 31.3 25.4 38.0



#64
Tetrachloroethene
Concen: 0.834 ug/l
RT: 10.921 min Scan# 1536
Delta R.T. 0.006 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

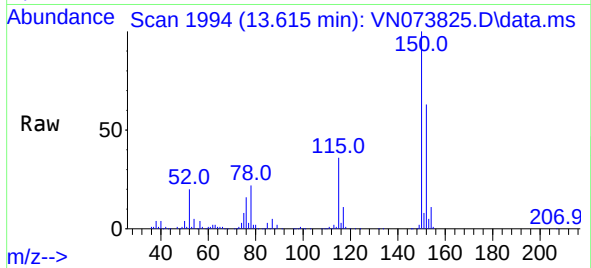
Tgt Ion:164 Resp: 3861
Ion Ratio Lower Upper
164 100
166 96.1 104.2 156.2#
129 75.5 73.9 110.9
131 68.4 69.4 104.2#



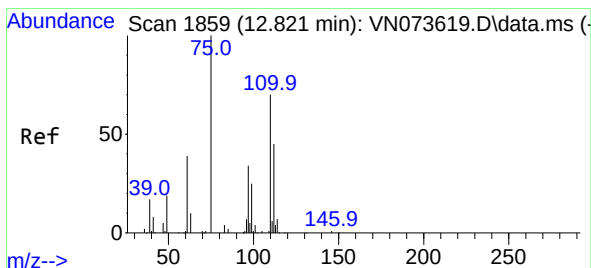
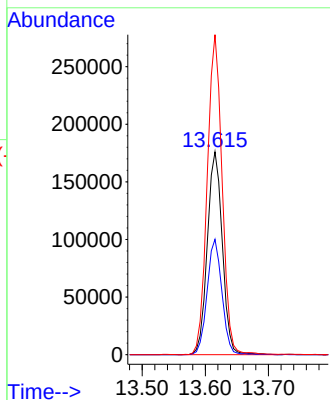
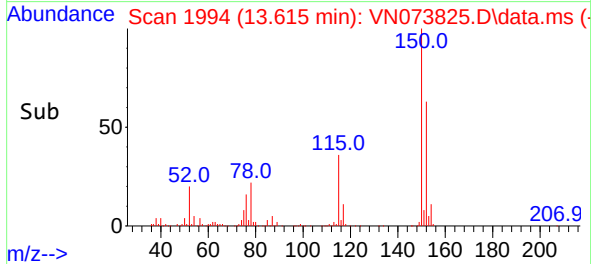


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14

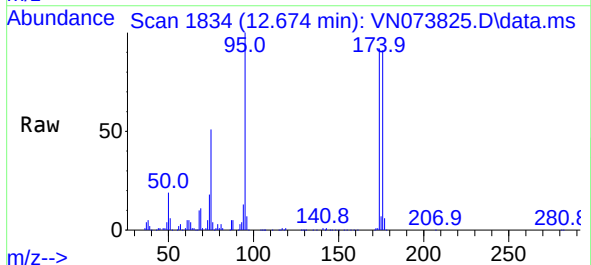
Instrument :
MSVOA_N
ClientSampleId :
DUP02-20220809



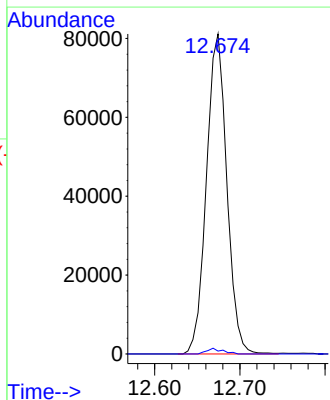
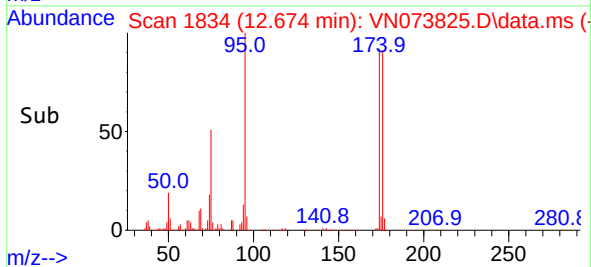
Tgt Ion:152 Resp: 291305
Ion Ratio Lower Upper
152 100
115 56.3 28.9 86.7
150 156.4 0.0 356.2

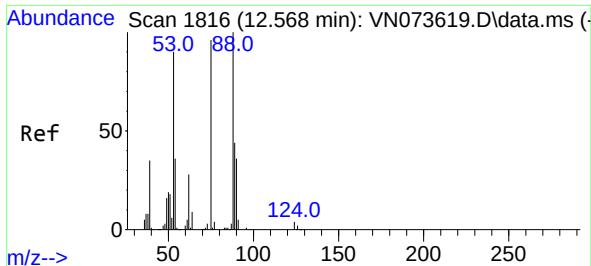


#76
1,2,3-Trichloropropane
Concen: 23.660 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073825.D
Acq: 11 Aug 2022 15:14



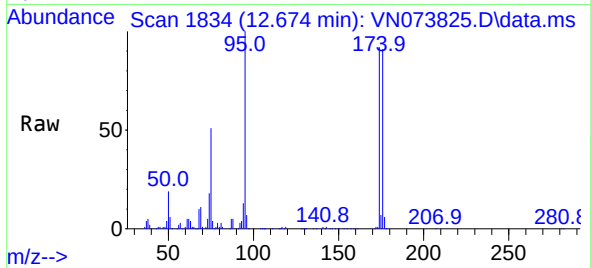
Tgt Ion: 75 Resp: 135325
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.202 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073825.D
 Acq: 11 Aug 2022 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP02-20220809



Tgt Ion: 75 Resp: 135325
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

