

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062522\
 Data File : VD073708.D
 Acq On : 25 Jun 2022 14:32
 Operator : VA/SY
 Sample : N3502-08
 Misc : 2.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D-44-LC

Quant Time: Jun 27 09:37:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:36:47 2022
 Response via : Initial Calibration

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

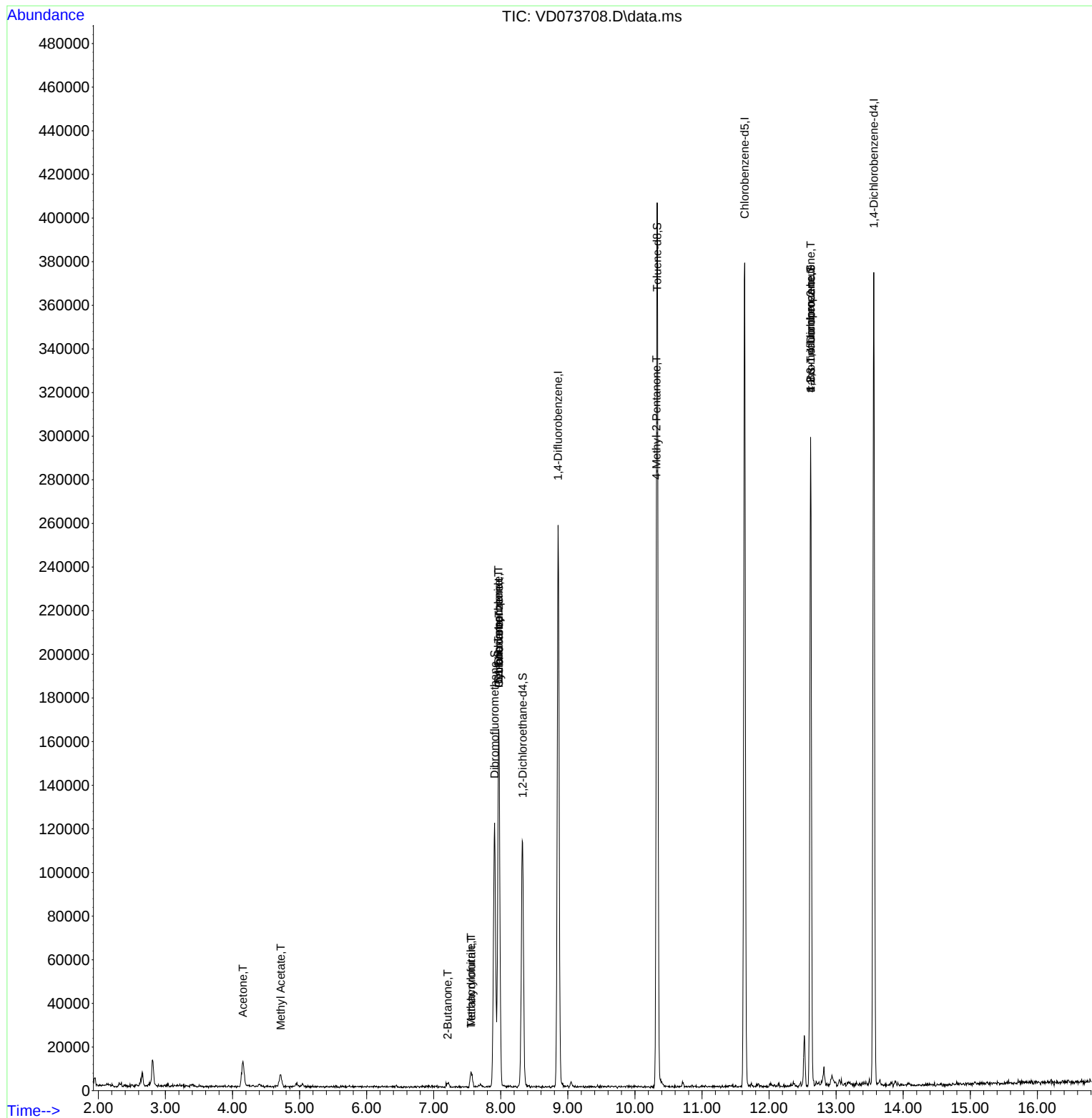
Internal Standards						
1) Pentafluorobenzene	7.973	168	118903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	220196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	222075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	104504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	95314	65.266	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.540%	
35) Dibromofluoromethane	7.908	113	84208	49.091	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.180%	
50) Toluene-d8	10.332	98	271958	44.157	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.320%	
62) 4-Bromofluorobenzene	12.620	95	95292	41.252	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	127	Below Cal	#	44
3) Chloromethane	2.203	50	477	Below Cal	#	87
5) Bromomethane	2.756	94	881	Below Cal	#	45
11) Tert butyl alcohol	5.220	59	86	Below Cal	#	100
16) Acetone	4.156	43	20330	81.452	ug/l	92
18) Methyl Acetate	4.720	43	10529	14.177	ug/l	99
20) Methylene Chloride	4.962	84	592	Below Cal	#	83
25) 2-Butanone	7.208	43	2930	7.961	ug/l	# 72
29) Tetrahydrofuran	7.561	42	4697	20.994	ug/l	99
31) Cyclohexane	7.973	56	2658	1.213	ug/l	# 21
36) 1,1-Dichloropropene	7.967	75	9020	3.746	ug/l	# 49
38) Carbon Tetrachloride	7.967	117	12966	4.625	ug/l	# 16
41) Methacrylonitrile	7.555	41	2951	5.172	ug/l	# 41
51) 4-Methyl-2-Pentanone	10.320	43	1010	1.060	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	47278	46.488	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	47278	94.910	ug/l	# 11

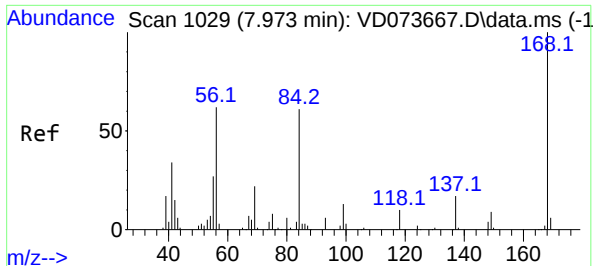
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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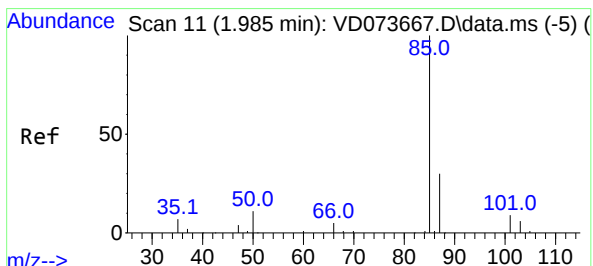
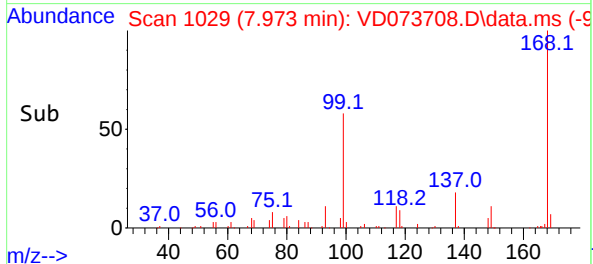
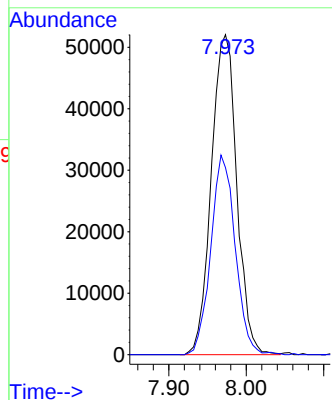
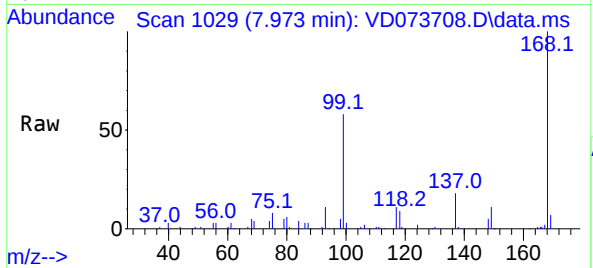




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

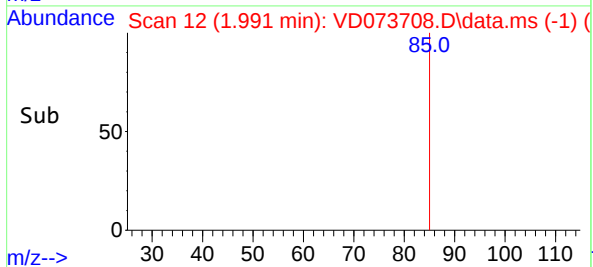
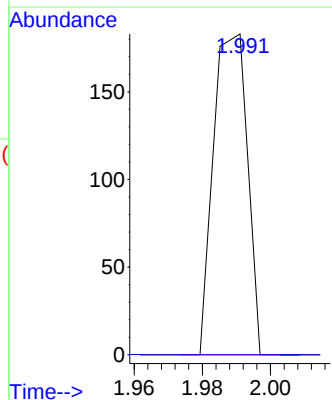
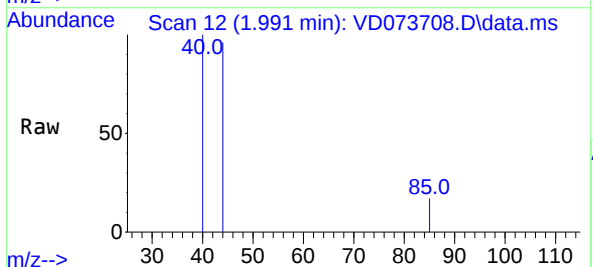
Instrument :
MSVOA_D
ClientSampleId :
D-44-LC

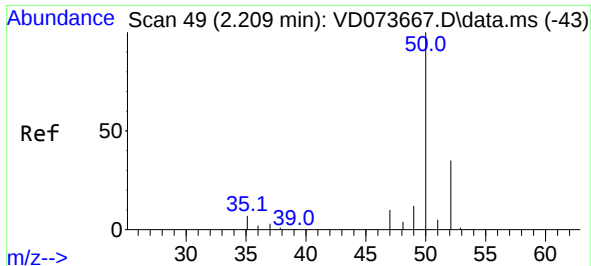
Tgt Ion:168 Resp: 118903
Ion Ratio Lower Upper
168 100
99 58.4 46.4 69.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Tgt Ion: 85 Resp: 127
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.5#

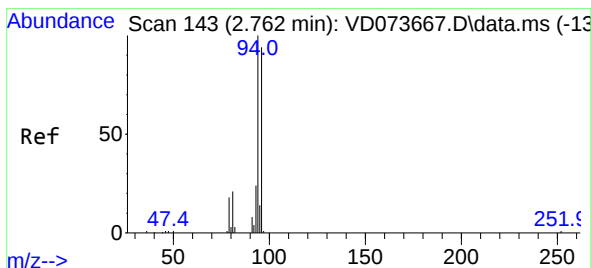
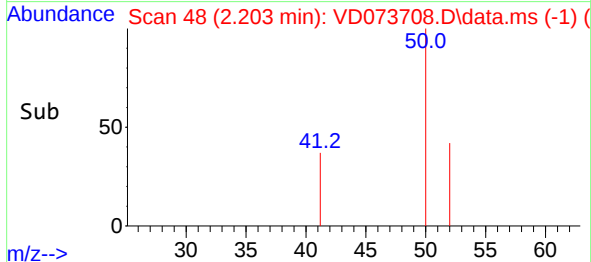
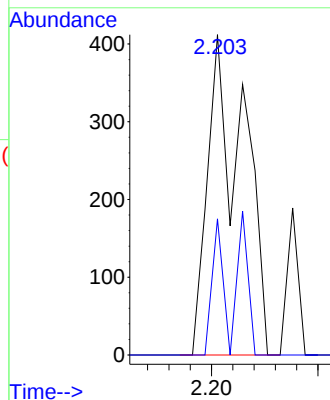
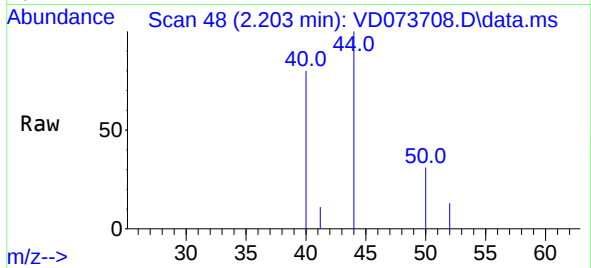




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

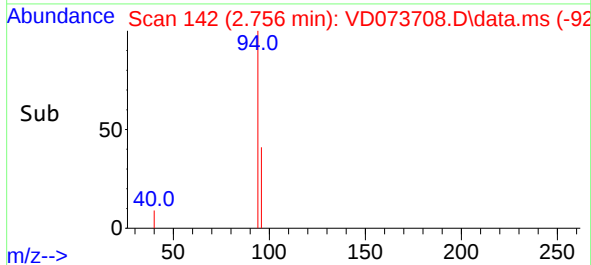
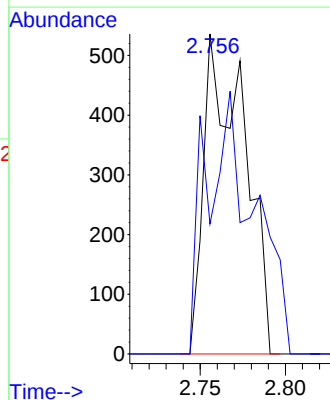
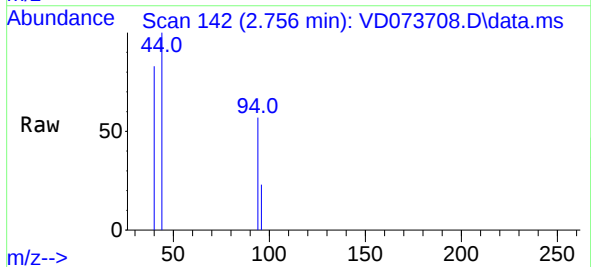
Instrument :
MSVOA_D
ClientSampleId :
D-44-LC

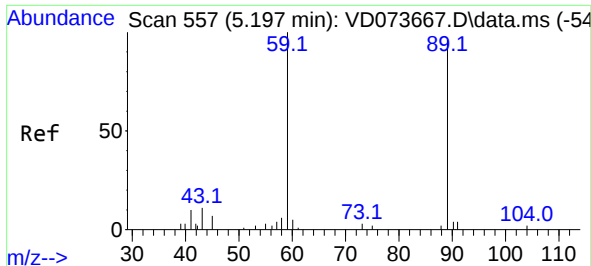
Tgt Ion: 50 Resp: 477
Ion Ratio Lower Upper
50 100
52 42.5 27.8 41.6#



#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.006 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Tgt Ion: 94 Resp: 881
Ion Ratio Lower Upper
94 100
96 40.7 75.1 112.7#

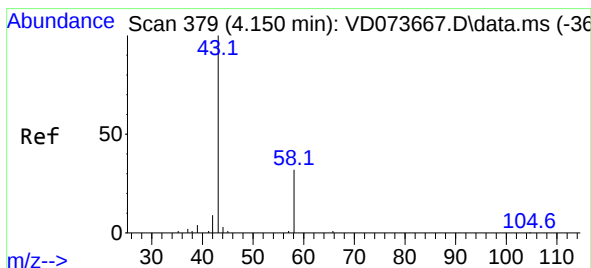
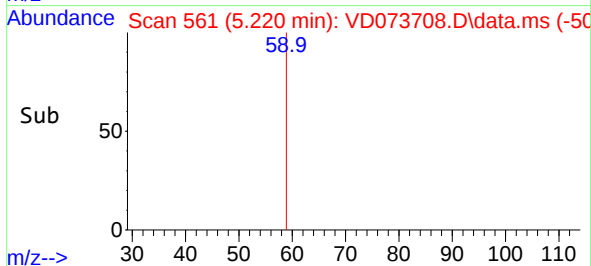
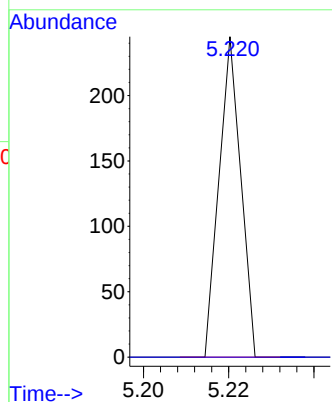
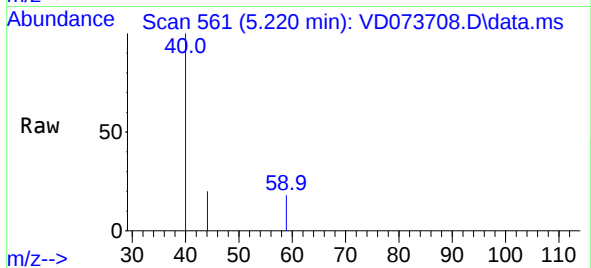




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 50
Delta R.T. 0.023 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

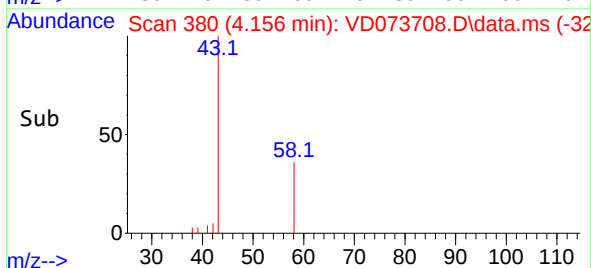
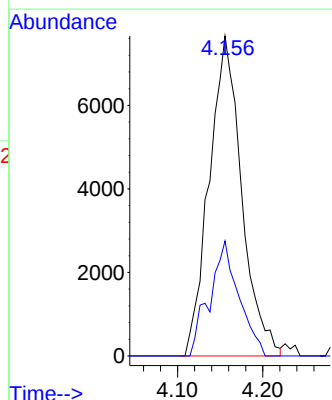
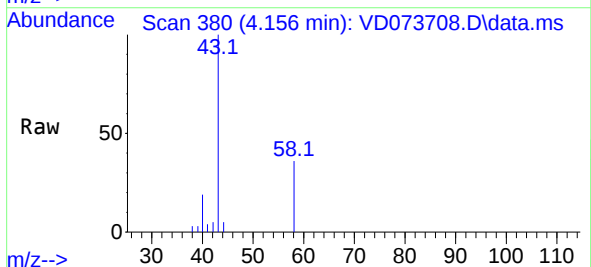
Instrument :
MSVOA_D
ClientSampleId :
D-44-LC

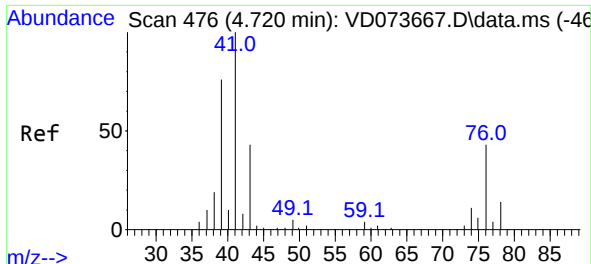
Tgt Ion: 59 Resp: 86
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 81.452 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Tgt Ion: 43 Resp: 20330
Ion Ratio Lower Upper
43 100
58 35.9 25.2 37.8





#18

Methyl Acetate

Concen: 14.177 ug/l

RT: 4.720 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD073708.D

Acq: 25 Jun 2022 14:32

Instrument :

MSVOA_D

ClientSampleId :

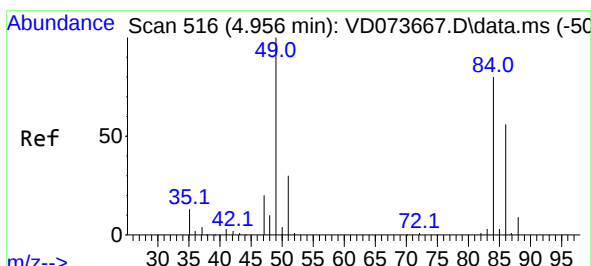
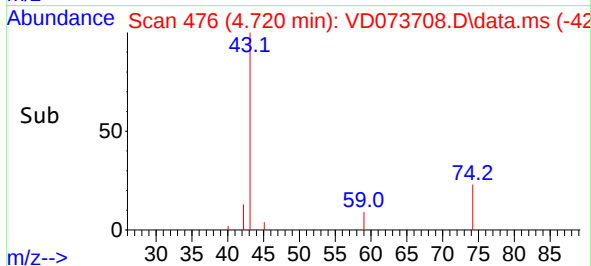
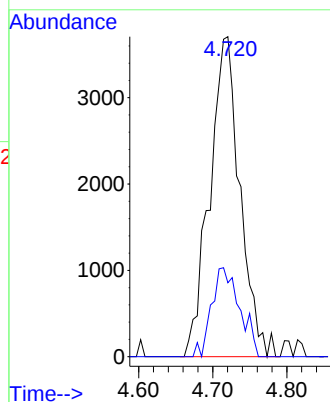
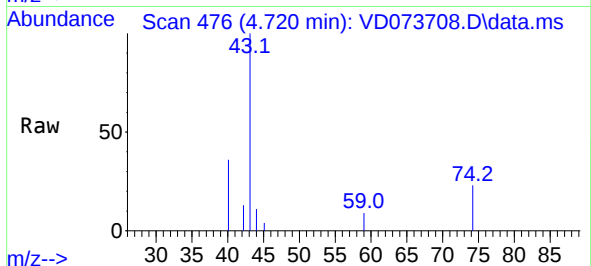
D-44-LC

Tgt Ion: 43 Resp: 10529

Ion Ratio Lower Upper

43 100

74 25.7 20.2 30.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. 0.005 min

Lab File: VD073708.D

Acq: 25 Jun 2022 14:32

Tgt Ion: 84 Resp: 592

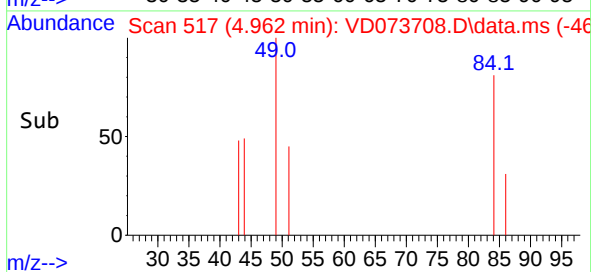
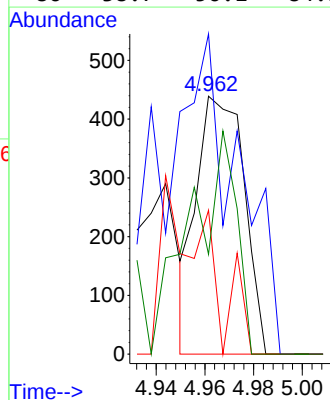
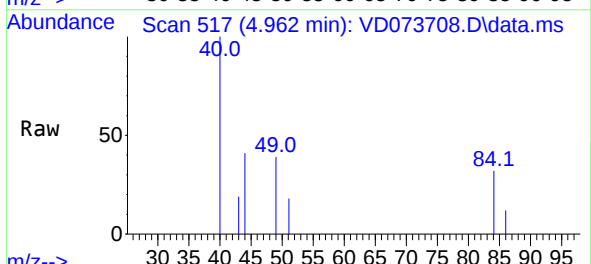
Ion Ratio Lower Upper

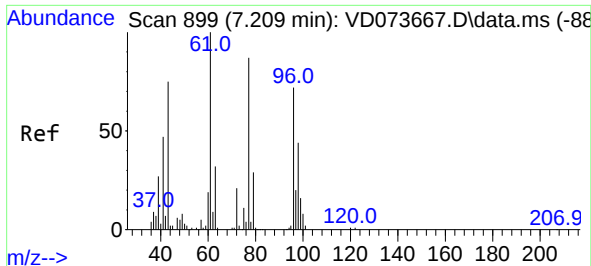
84 100

49 124.1 100.6 150.8

51 55.8 29.8 44.6#

86 38.7 56.1 84.1#

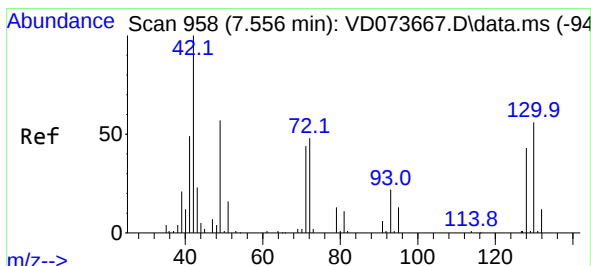
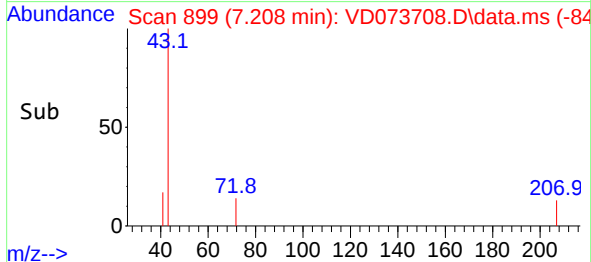
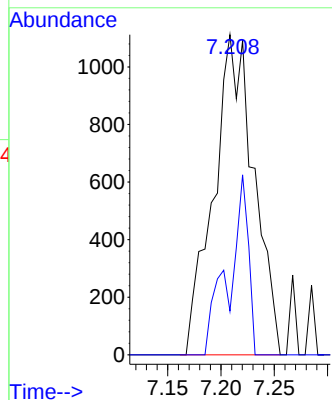
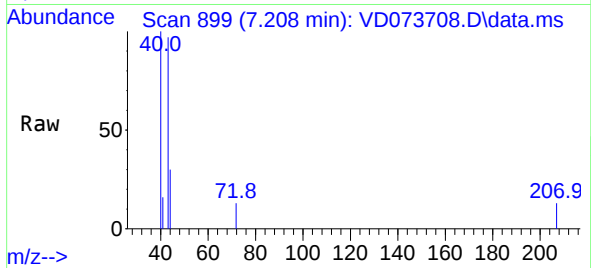




#25
2-Butanone
Concen: 7.961 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

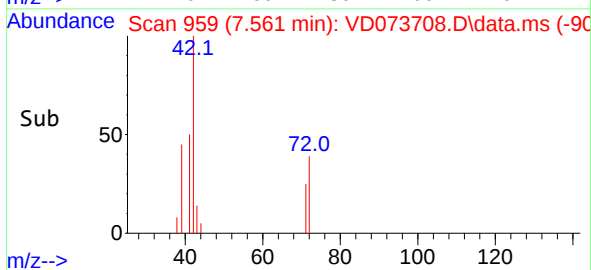
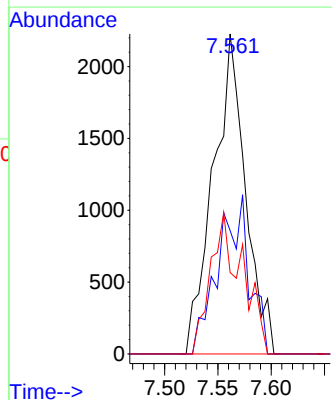
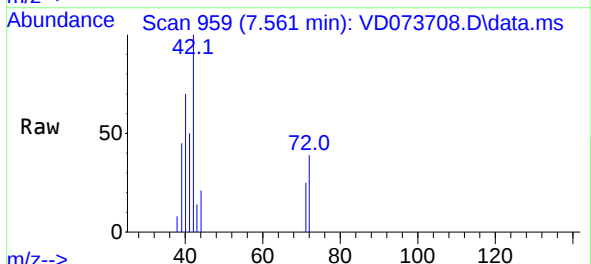
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D-44-LC

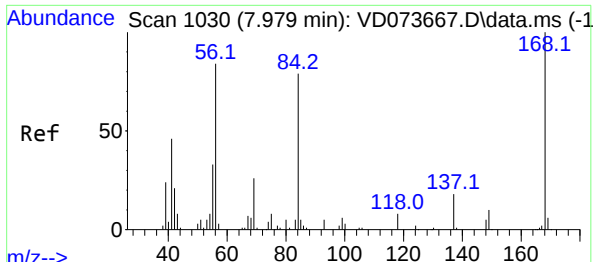
Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
43 100
72 13.7 22.6 33.8#



#29
Tetrahydrofuran
Concen: 20.994 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.006 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Tgt Ion: 42 Resp: 4697
Ion Ratio Lower Upper
42 100
72 47.8 37.8 56.6
71 43.4 35.5 53.3

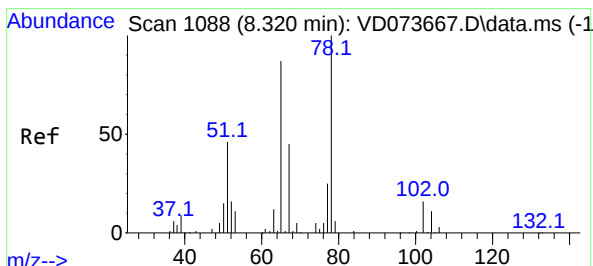
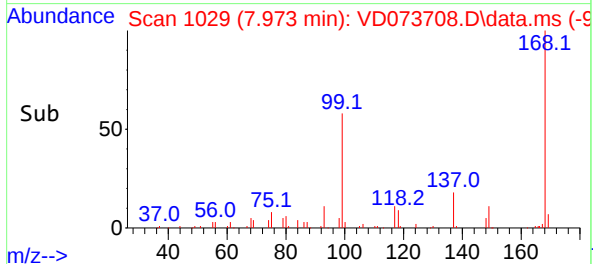
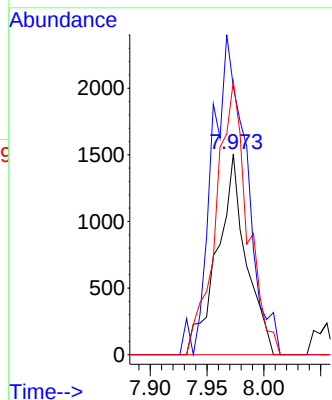
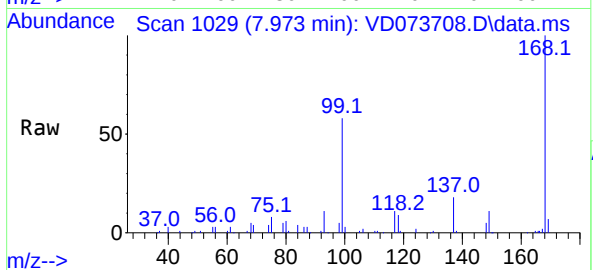




#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

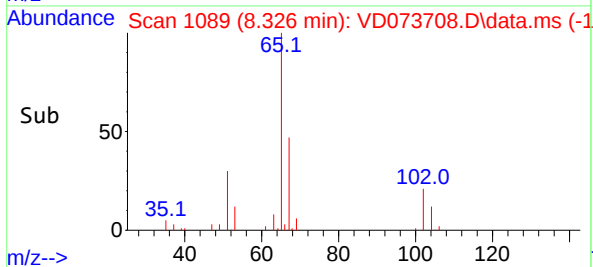
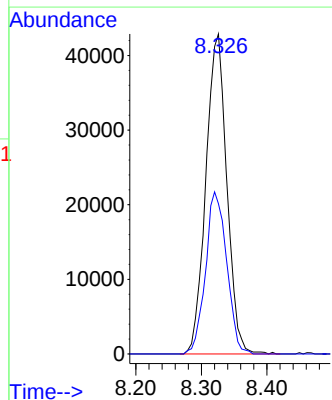
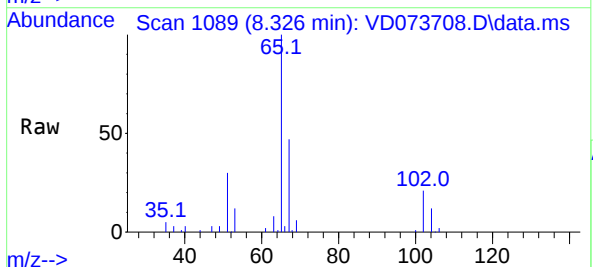
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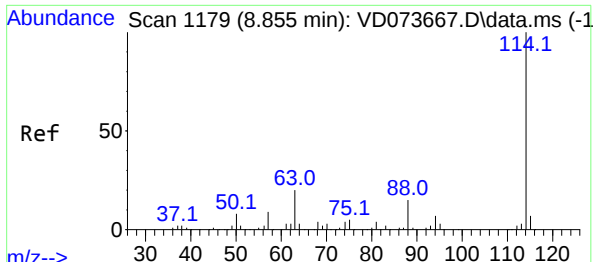
Tgt Ion: 56 Resp: 2658
Ion Ratio Lower Upper
56 100
69 133.4 25.2 37.8#
84 136.1 75.4 113.2#



#33
1,2-Dichloroethane-d4
Concen: 65.266 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Tgt Ion: 65 Resp: 95314
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.2



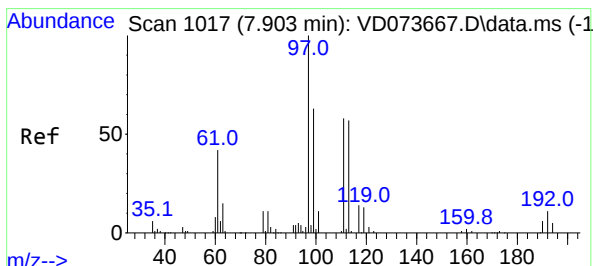
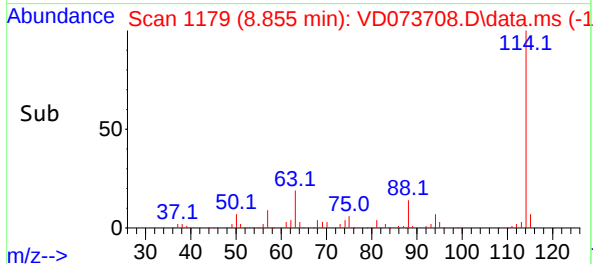
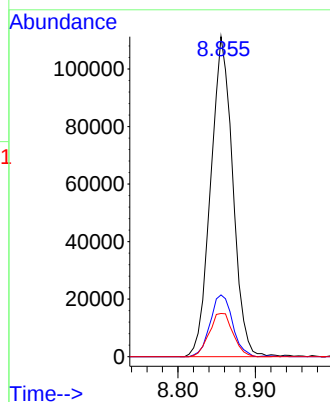
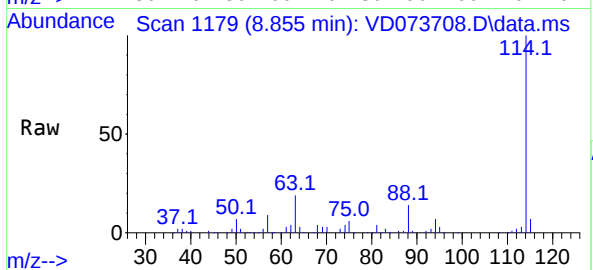


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Instrument :
MSVOA_D
ClientSampleId :
D-44-LC

Tgt Ion:114 Resp: 220196

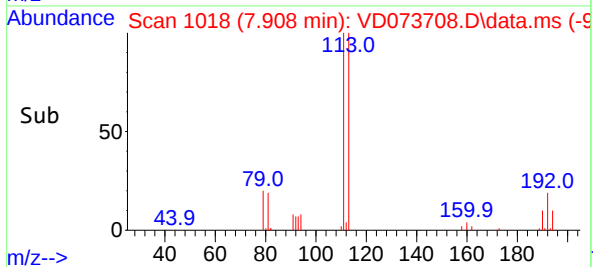
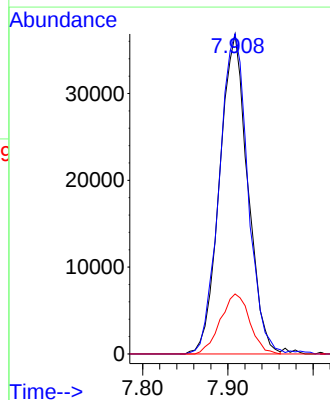
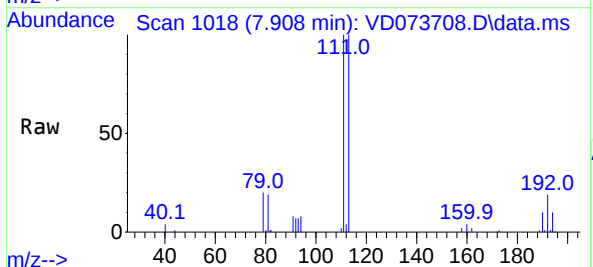
Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.2
88	13.5	0.0	29.4

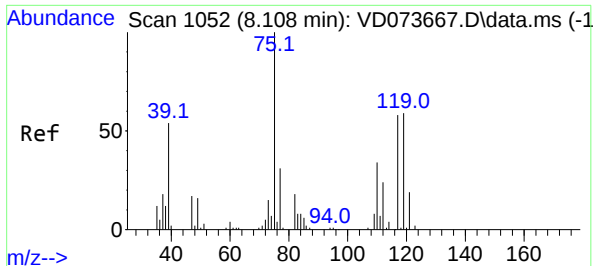


#35
Dibromofluoromethane
Concen: 49.091 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Tgt Ion:113 Resp: 84208

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	19.5	14.8	22.2





#36

1,1-Dichloropropene

Concen: 3.746 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073708.D

Acq: 25 Jun 2022 14:32

Instrument :

MSVOA_D

ClientSampleId :

D-44-LC

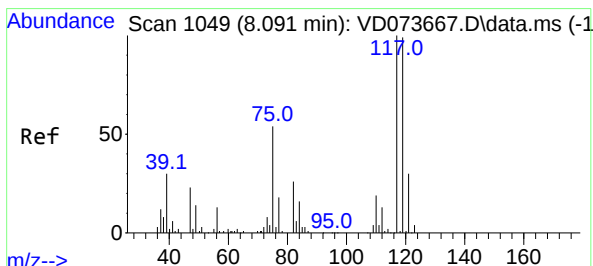
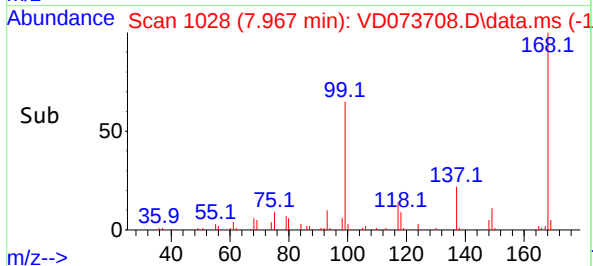
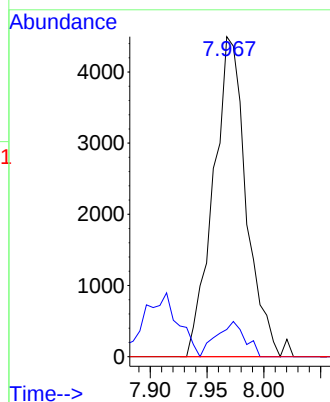
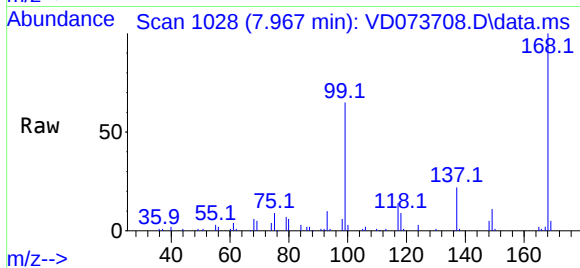
Tgt Ion: 75 Resp: 9020

Ion Ratio Lower Upper

75 100

110 9.5 18.0 54.0#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 4.625 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073708.D

Acq: 25 Jun 2022 14:32

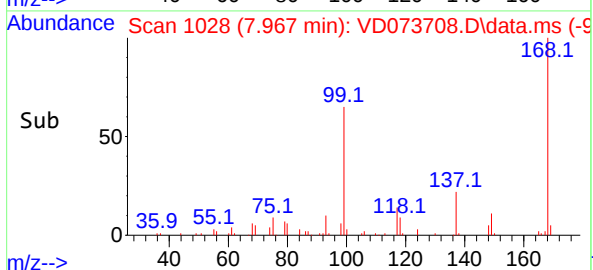
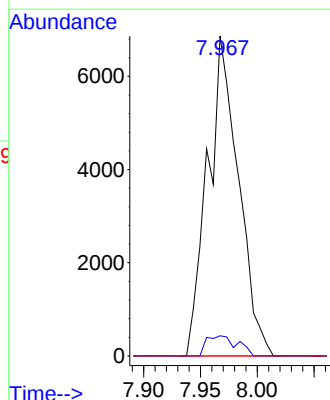
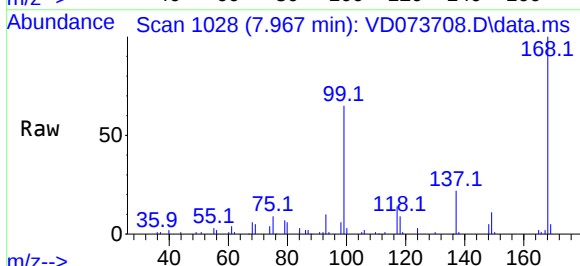
Tgt Ion: 117 Resp: 12966

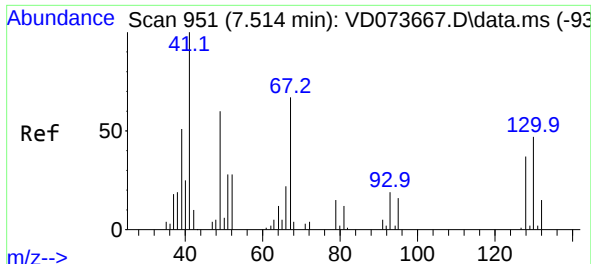
Ion Ratio Lower Upper

117 100

119 6.3 79.2 118.8#

121 0.0 23.8 35.8#

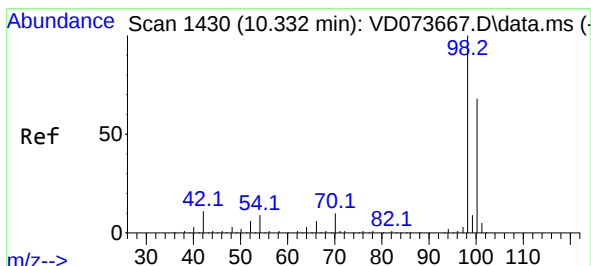
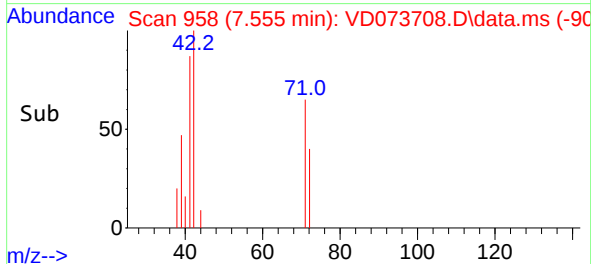
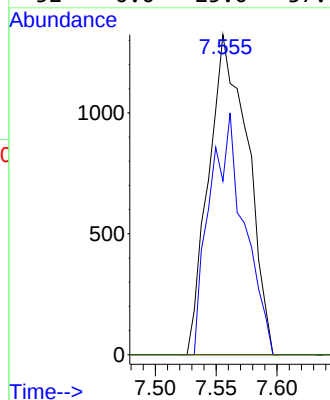
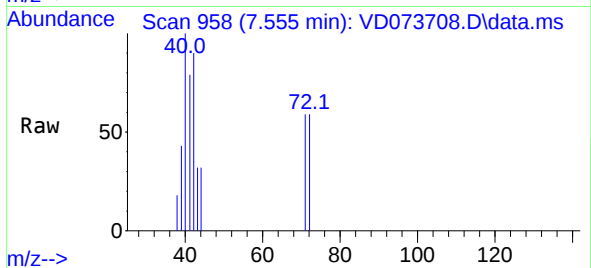




#41
Methacrylonitrile
Concen: 5.172 ug/l
RT: 7.555 min Scan# 91
Delta R.T. 0.041 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

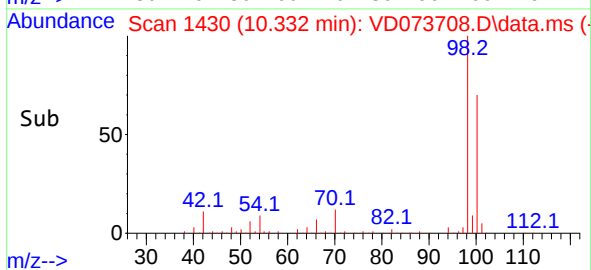
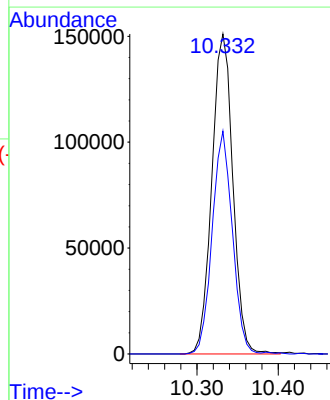
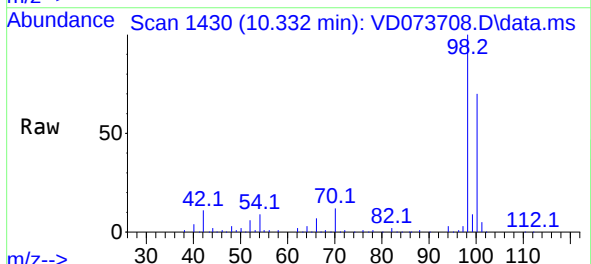
Instrument :
MSVOA_D
ClientSampleId :
D-44-LC

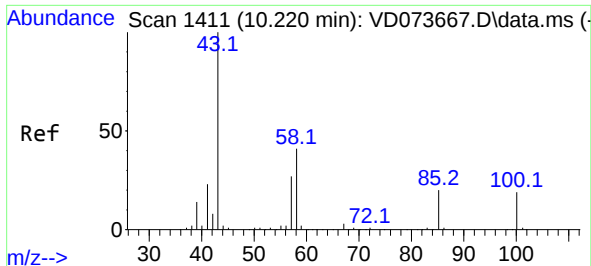
Tgt Ion:	41	Resp:	2951
Ion	Ratio	Lower	Upper
41	100		
39	67.2	42.1	63.1#
67	0.0	58.6	87.8#
52	0.0	25.0	37.4#



#50
Toluene-d8
Concen: 44.157 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Tgt Ion:	98	Resp:	271958
Ion	Ratio	Lower	Upper
98	100		
100	66.7	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 1.060 ug/l

RT: 10.320 min Scan# 1411

Delta R.T. 0.100 min

Lab File: VD073708.D

Acq: 25 Jun 2022 14:32

Instrument :

MSVOA_D

ClientSampleId :

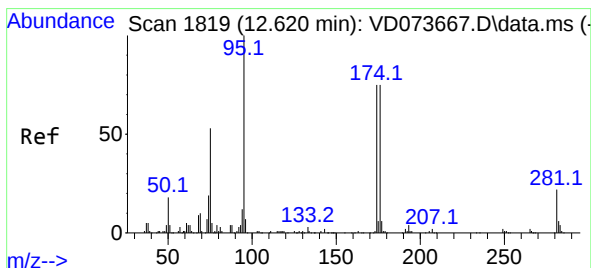
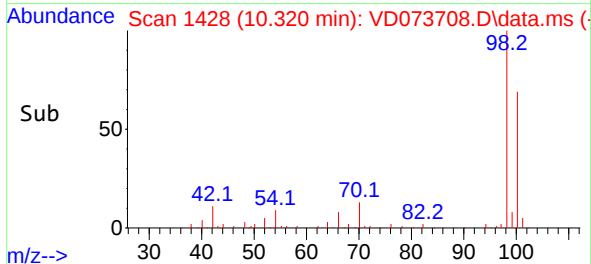
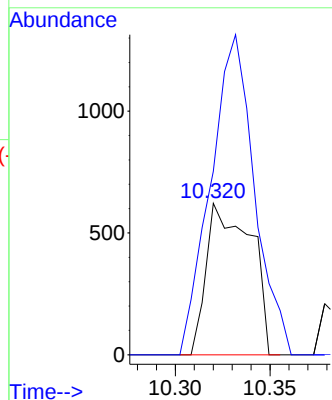
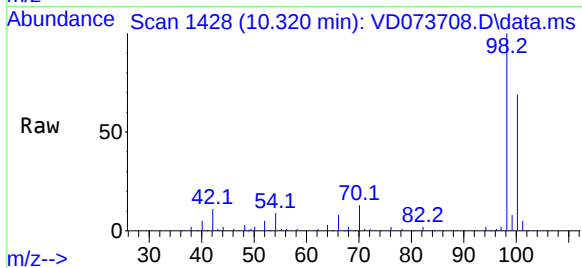
D-44-LC

Tgt Ion: 43 Resp: 1010

Ion Ratio Lower Upper

43 100

58 209.2 32.3 48.5#



#62

4-Bromofluorobenzene

Concen: 41.252 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073708.D

Acq: 25 Jun 2022 14:32

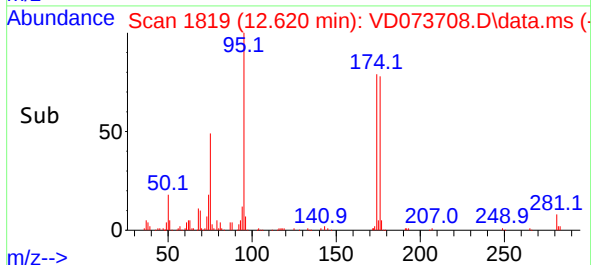
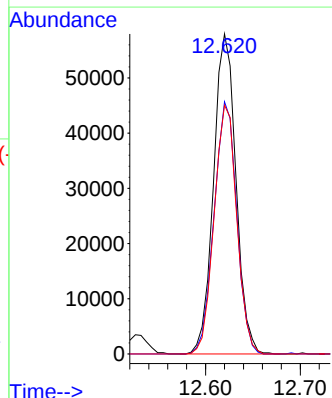
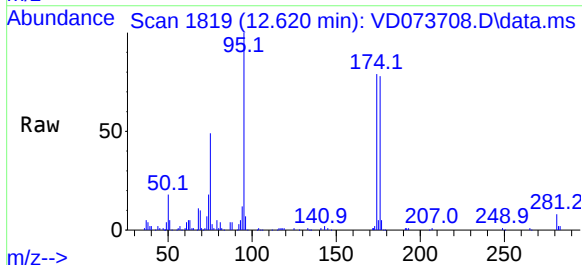
Tgt Ion: 95 Resp: 95292

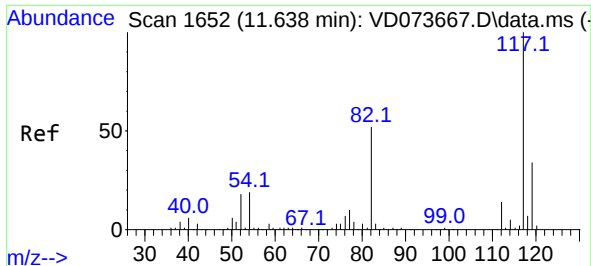
Ion Ratio Lower Upper

95 100

174 79.7 0.0 158.4

176 78.4 0.0 154.8

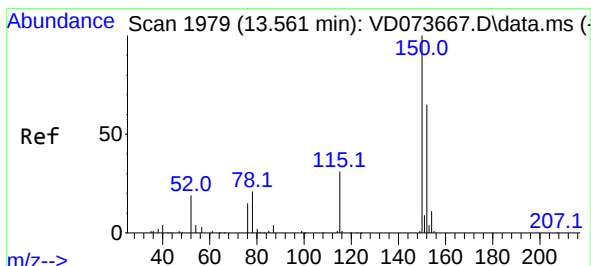
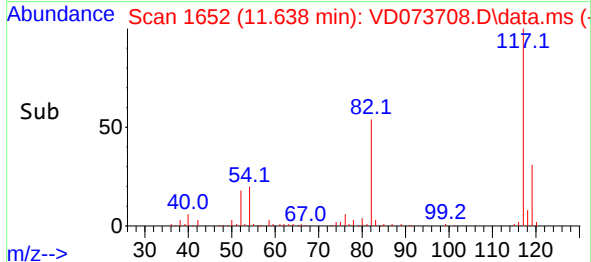
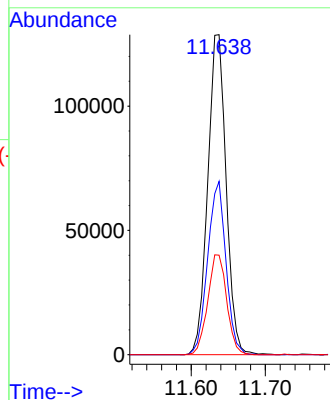
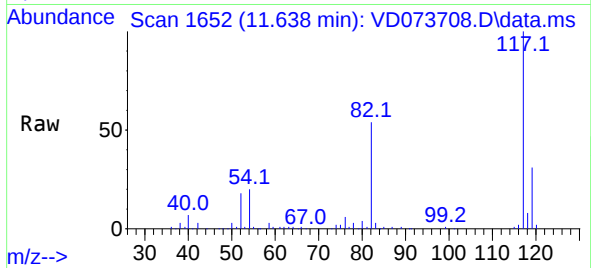




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

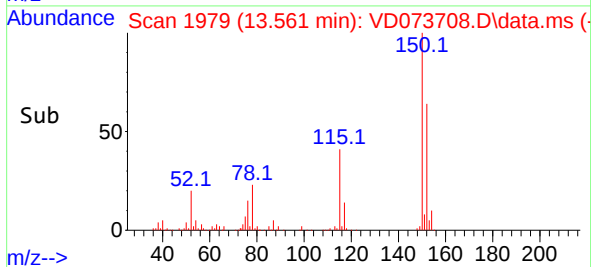
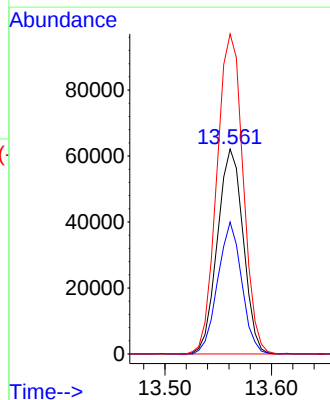
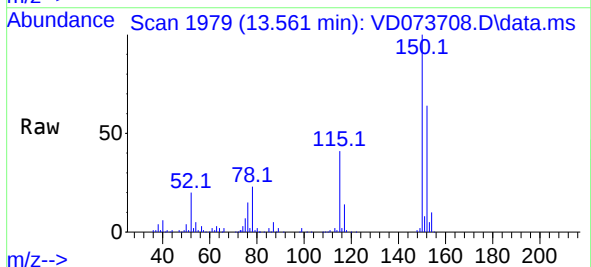
Instrument :
MSVOA_D
ClientSampleId :
D-44-LC

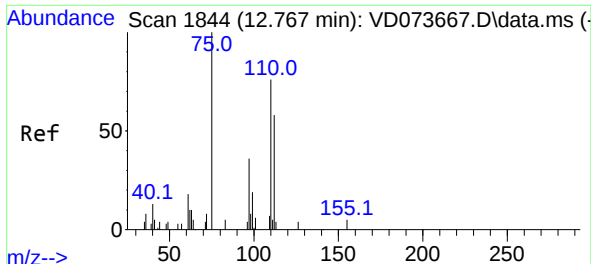
Tgt Ion:117 Resp: 222075
Ion Ratio Lower Upper
117 100
82 54.2 41.5 62.3
119 31.1 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Tgt Ion:152 Resp: 104504
Ion Ratio Lower Upper
152 100
115 59.8 30.6 91.6
150 158.8 0.0 355.0

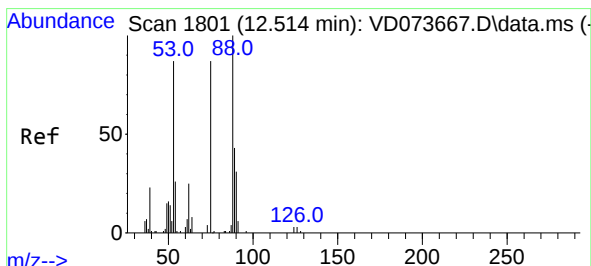
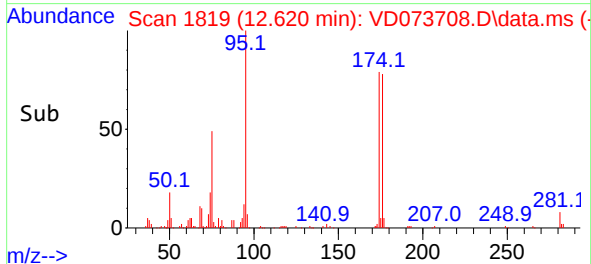
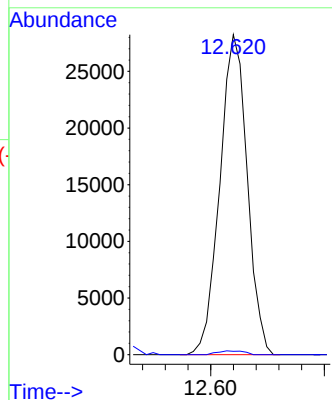
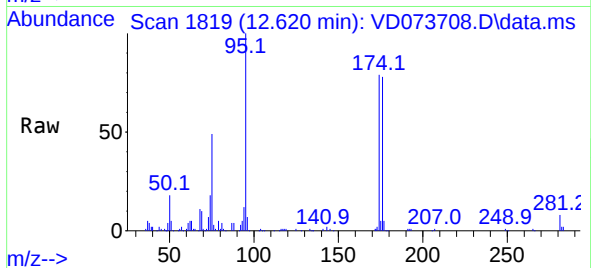




#76
1,2,3-Trichloropropane
Concen: 46.488 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Instrument :
MSVOA_D
ClientSampleId :
D-44-LC

Tgt Ion: 75 Resp: 47278
Ion Ratio Lower Upper
75 100
77 1.2 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.910 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073708.D
Acq: 25 Jun 2022 14:32

Tgt Ion: 75 Resp: 47278
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.6#
89 0.0 37.8 56.8#

