

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081122\
 Data File : VD074051.D
 Acq On : 11 Aug 2022 19:47
 Operator : VA/SY
 Sample : N4130-09RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB07RE

Quant Time: Aug 12 01:19:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

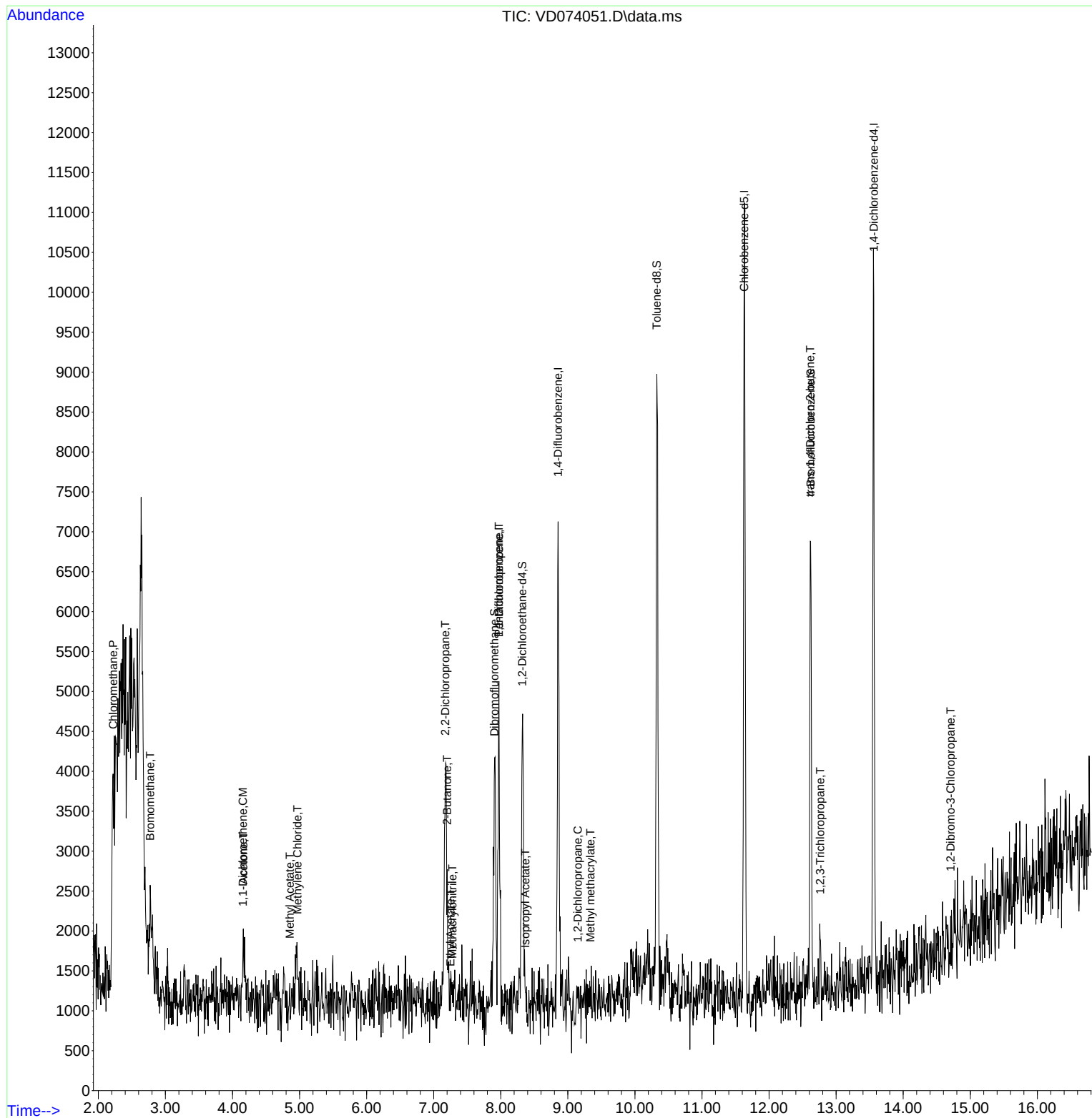
Internal Standards						
1) Pentafluorobenzene	7.973	168	2861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	5678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	5859	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	2618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	3096	152.365	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	304.720%#
35) Dibromofluoromethane	7.902	113	2450	64.965	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	129.920%
50) Toluene-d8	10.326	98	5934	61.445	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	122.880%
62) 4-Bromofluorobenzene	12.620	95	2279	49.141	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.220	50	376	5.505	ug/l #	40
5) Bromomethane	2.773	94	488	11.632	ug/l #	79
12) 1,1-Dichloroethene	4.156	96	66	2.307	ug/l #	1
16) Acetone	4.162	43	1200	262.134	ug/l	93
18) Methyl Acetate	4.856	43	83	3.772	ug/l #	49
20) Methylene Chloride	4.967	84	122	1.077	ug/l #	9
25) 2-Butanone	7.203	43	64	8.940	ug/l #	46
26) 2,2-Dichloropropane	7.173	77	56	1.034	ug/l #	53
36) 1,1-Dichloropropene	7.973	75	253	4.408	ug/l #	41
37) Ethyl Acetate	7.250	43	62	3.036	ug/l #	67
41) Methacrylonitrile	7.279	41	57	5.107	ug/l #	18
43) Isopropyl Acetate	8.367	43	73	1.870	ug/l #	50
45) 1,2-Dichloropropane	9.149	63	53	1.415	ug/l #	44
48) Methyl methacrylate	9.338	41	60	3.221	ug/l #	6
76) 1,2,3-Trichloropropane	12.761	75	140	5.857	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	1383	154.426	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.708	75	55	9.144	ug/l #	1

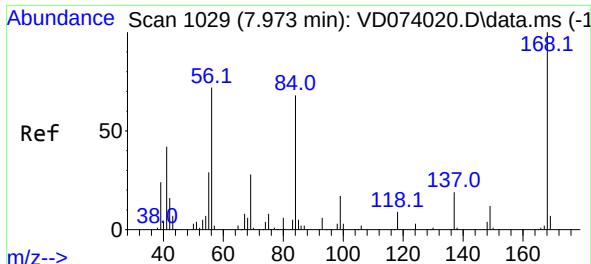
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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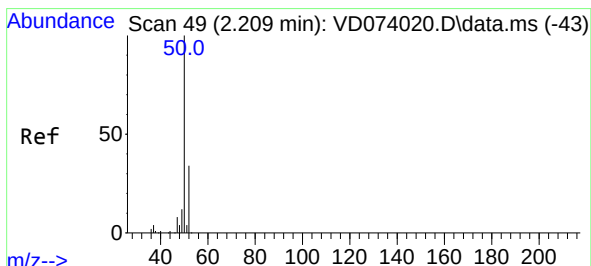
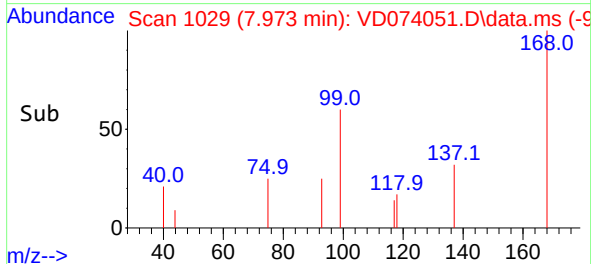
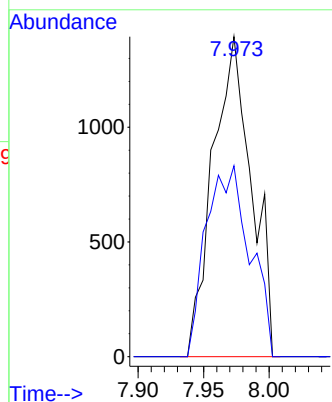
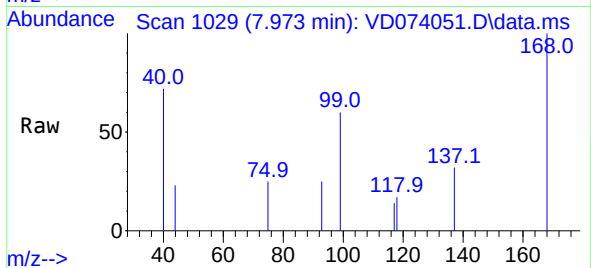




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

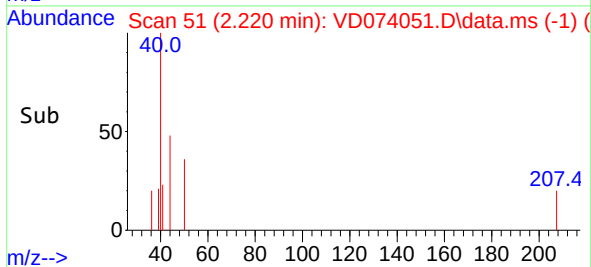
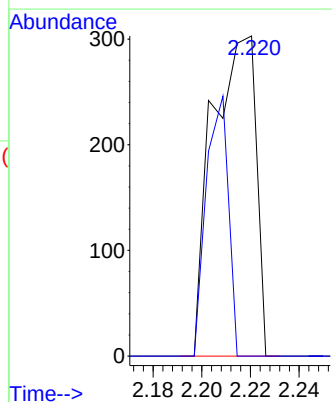
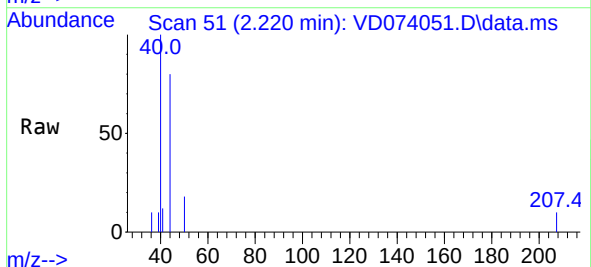
Instrument :
MSVOA_D
ClientSampleId :
SB07RE

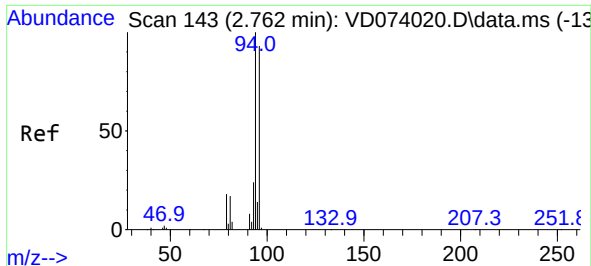
Tgt Ion:168 Resp: 2861
Ion Ratio Lower Upper
168 100
99 59.6 48.3 72.5



#3
Chloromethane
Concen: 5.505 ug/l
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Tgt Ion: 50 Resp: 376
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#

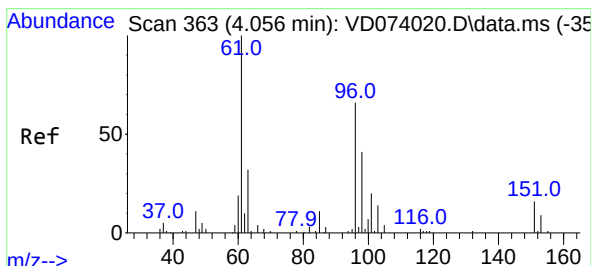
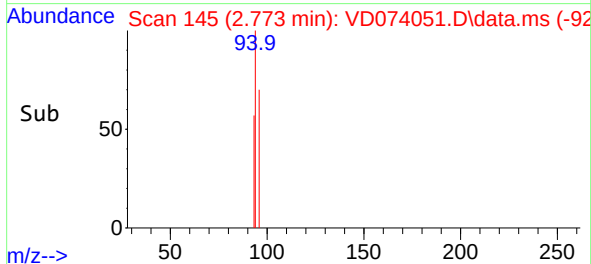
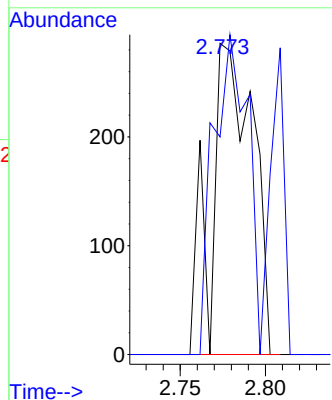
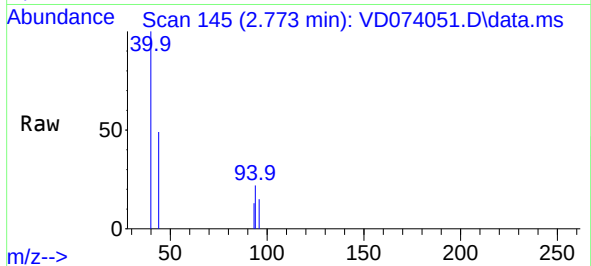




#5
Bromomethane
Concen: 11.632 ug/l
RT: 2.773 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

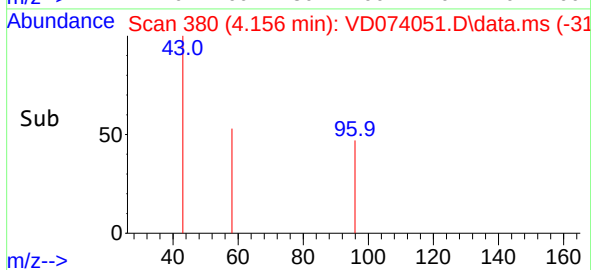
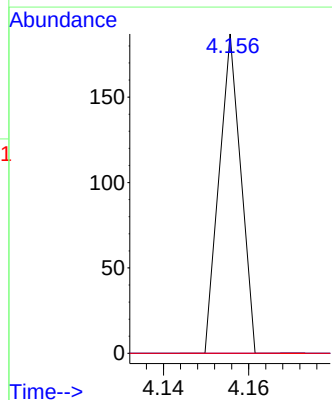
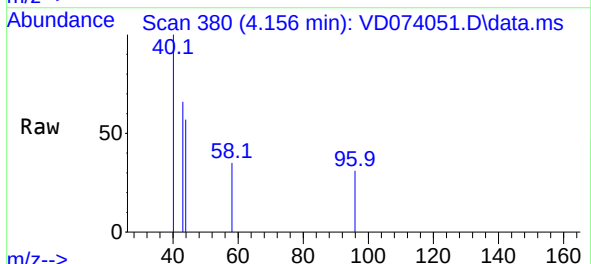
Instrument :
MSVOA_D
ClientSampleId :
SB07RE

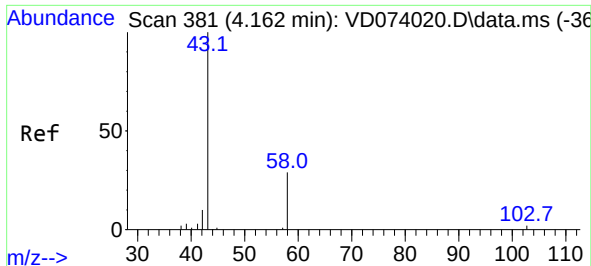
Tgt Ion: 94 Resp: 488
Ion Ratio Lower Upper
94 100
96 69.9 72.0 108.0#



#12
1,1-Dichloroethene
Concen: 2.307 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.100 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Tgt Ion: 96 Resp: 66
Ion Ratio Lower Upper
96 100
61 0.0 121.8 182.6#
98 0.0 47.1 70.7#





#16

Acetone

Concen: 262.134 ug/l

RT: 4.162 min Scan# 381

Delta R.T. -0.000 min

Lab File: VD074051.D

Acq: 11 Aug 2022 19:47

Instrument :

MSVOA_D

ClientSampleId :

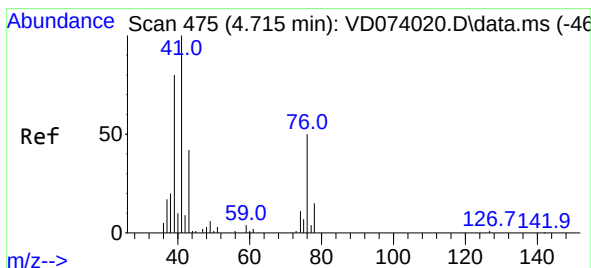
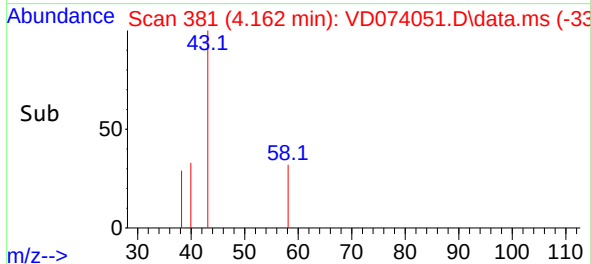
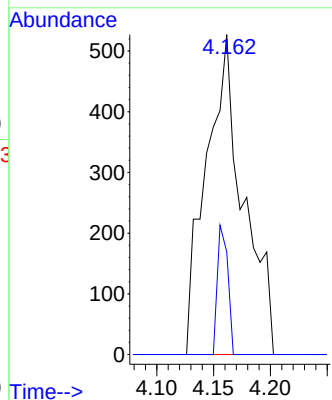
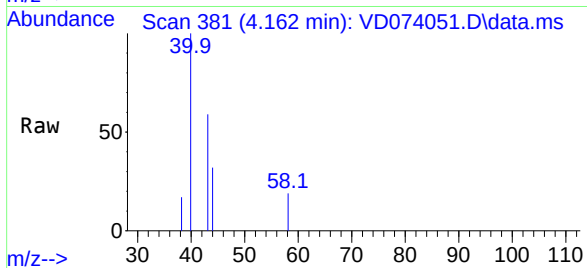
SB07RE

Tgt Ion: 43 Resp: 1200

Ion Ratio Lower Upper

43 100

58 32.1 22.8 34.2



#18

Methyl Acetate

Concen: 3.772 ug/l

RT: 4.856 min Scan# 499

Delta R.T. 0.141 min

Lab File: VD074051.D

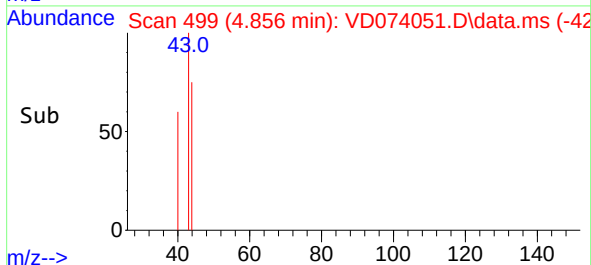
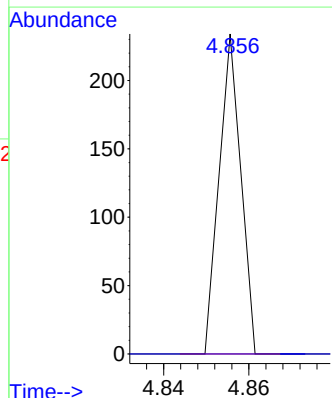
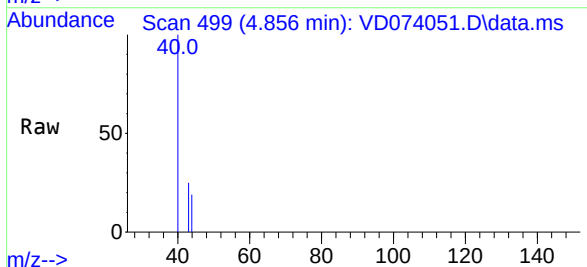
Acq: 11 Aug 2022 19:47

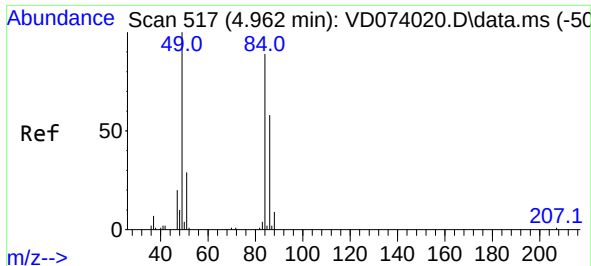
Tgt Ion: 43 Resp: 83

Ion Ratio Lower Upper

43 100

74 0.0 21.0 31.4#



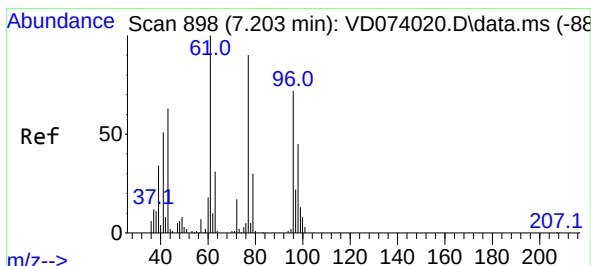
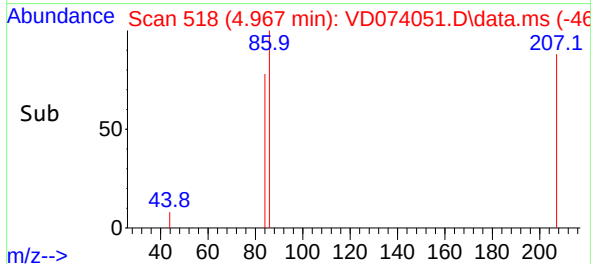
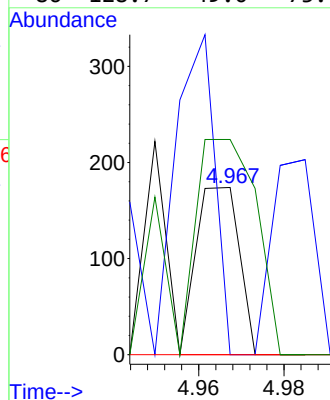
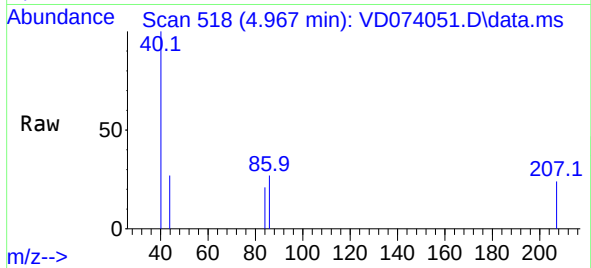


#20
Methylene Chloride
Concen: 1.077 ug/l
RT: 4.967 min Scan# 51
Delta R.T. 0.005 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Instrument :
MSVOA_D
ClientSampleId :
SB07RE

Tgt Ion: 84 Resp: 122

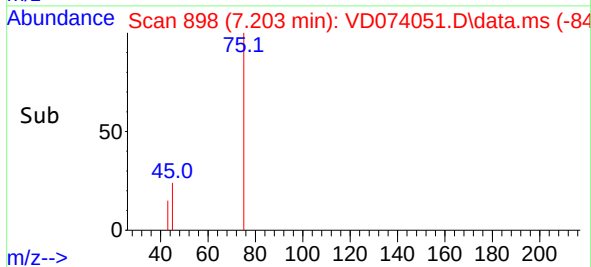
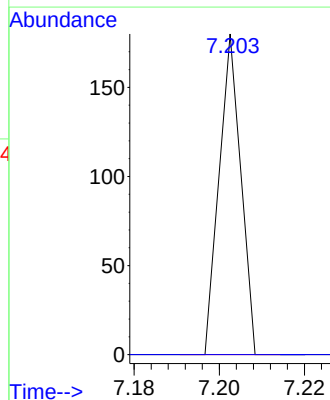
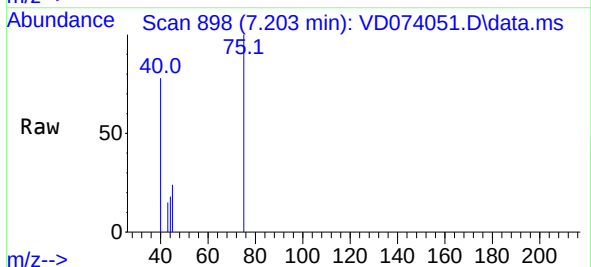
Ion	Ratio	Lower	Upper
84	100		
49	0.0	85.8	128.6#
51	0.0	28.0	42.0#
86	128.7	49.0	73.4#

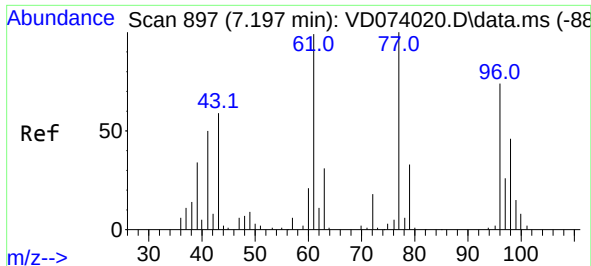


#25
2-Butanone
Concen: 8.940 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.000 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Tgt Ion: 43 Resp: 64

Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.0	34.6#





#26

2,2-Dichloropropane

Concen: 1.034 ug/l

RT: 7.173 min Scan# 897

Delta R.T. -0.024 min

Lab File: VD074051.D

Acq: 11 Aug 2022 19:47

Instrument :

MSVOA_D

ClientSampleId :

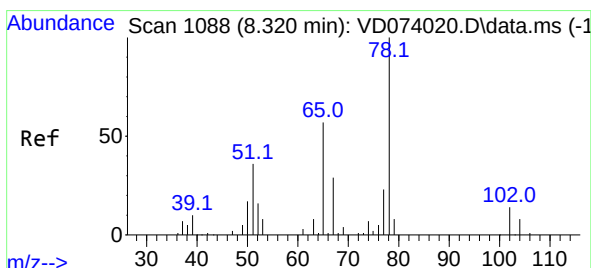
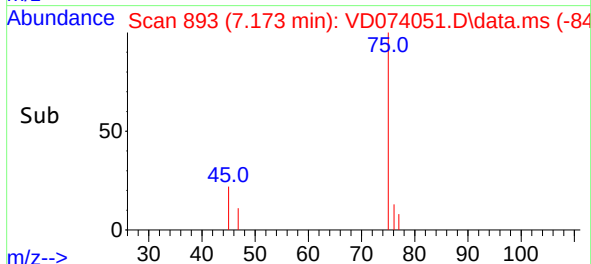
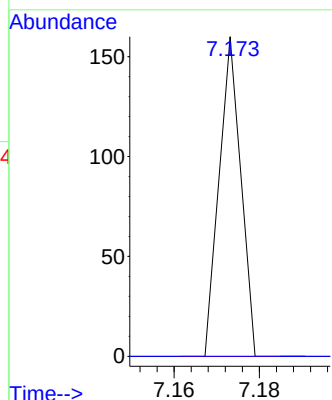
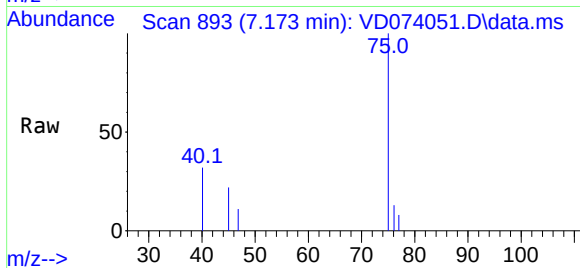
SB07RE

Tgt Ion: 77 Resp: 56

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#33

1,2-Dichloroethane-d4

Concen: 152.365 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD074051.D

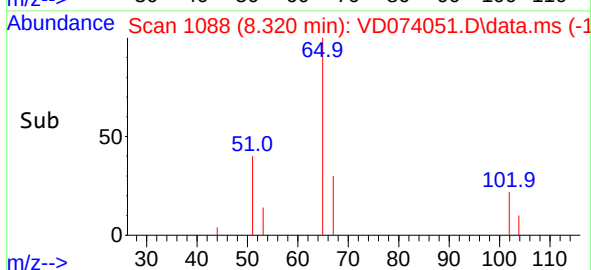
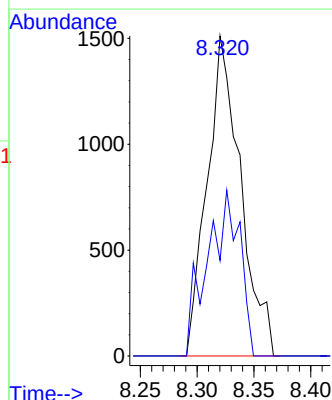
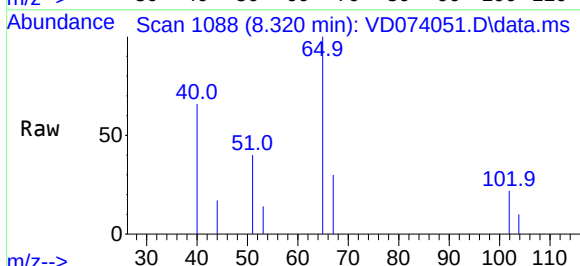
Acq: 11 Aug 2022 19:47

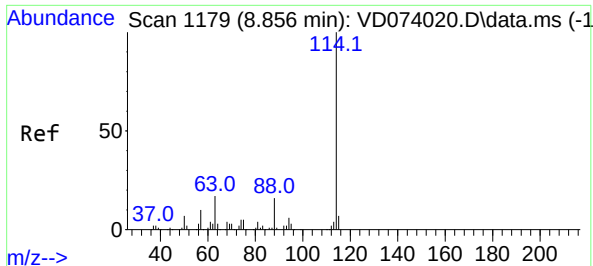
Tgt Ion: 65 Resp: 3096

Ion Ratio Lower Upper

65 100

67 50.3 0.0 113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074051.D

Acq: 11 Aug 2022 19:47

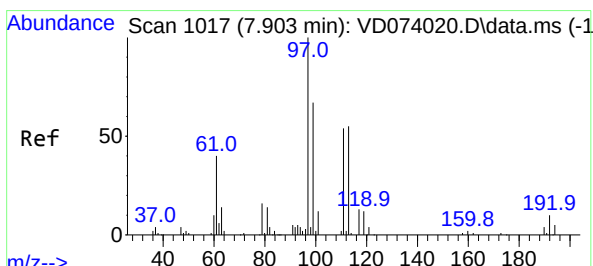
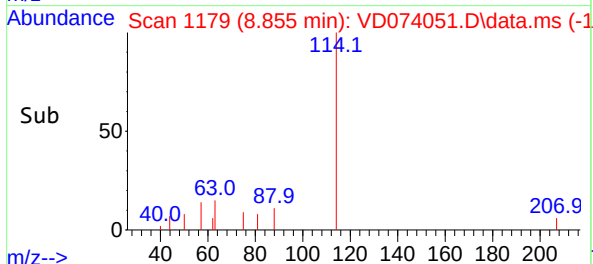
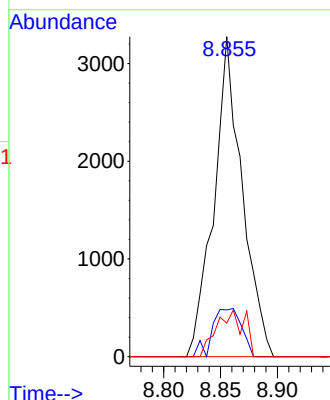
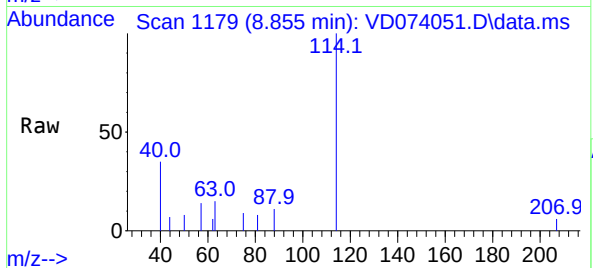
Instrument :

MSVOA_D

ClientSampleId :

SB07RE

Tgt Ion:	114	Resp:	5678
Ion	Ratio	Lower	Upper
114	100		
63	14.6	0.0	41.0
88	10.5	0.0	31.6



#35

Dibromofluoromethane

Concen: 64.965 ug/l

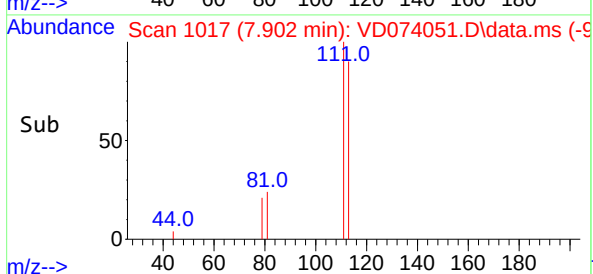
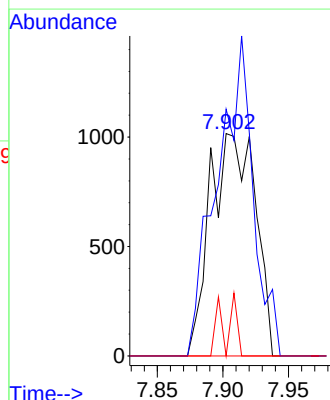
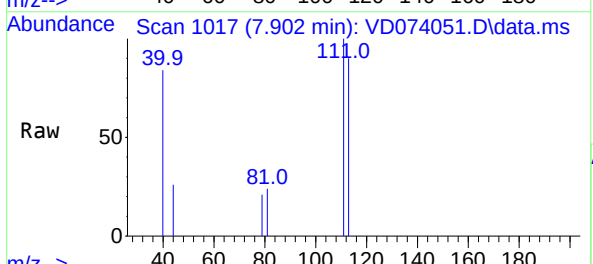
RT: 7.902 min Scan# 1017

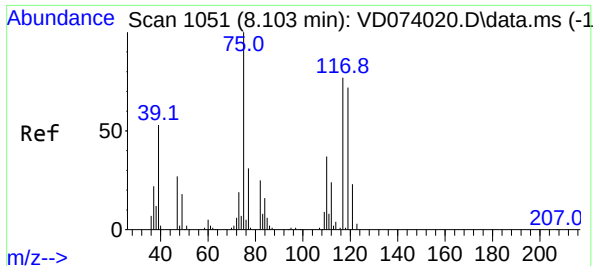
Delta R.T. -0.001 min

Lab File: VD074051.D

Acq: 11 Aug 2022 19:47

Tgt Ion:	113	Resp:	2450
Ion	Ratio	Lower	Upper
113	100		
111	113.4	80.0	120.0
192	8.0	14.2	21.4

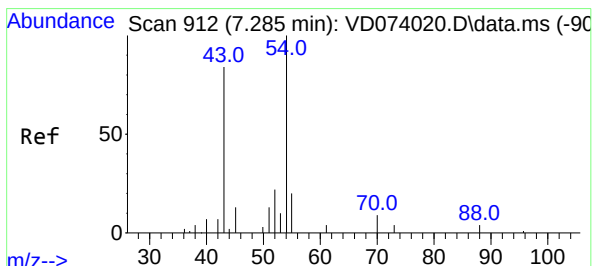
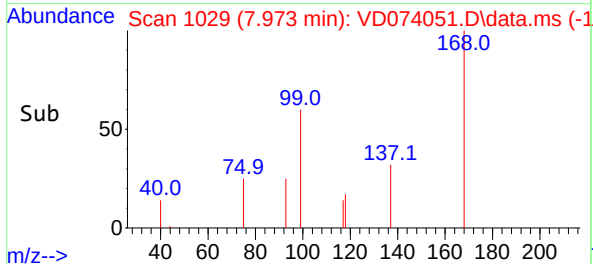
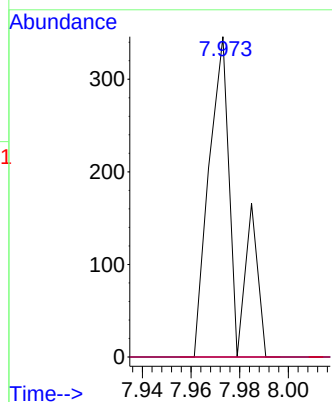
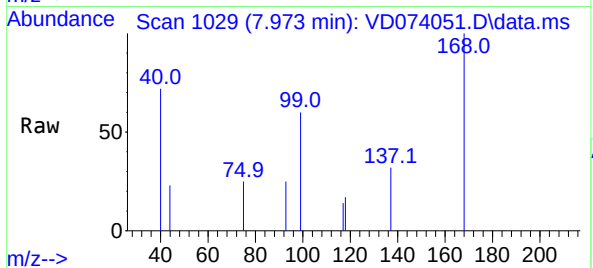




#36
1,1-Dichloropropene
Concen: 4.408 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.130 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

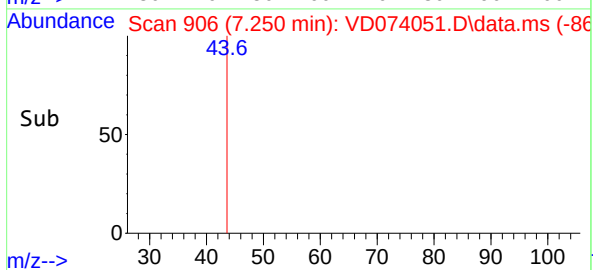
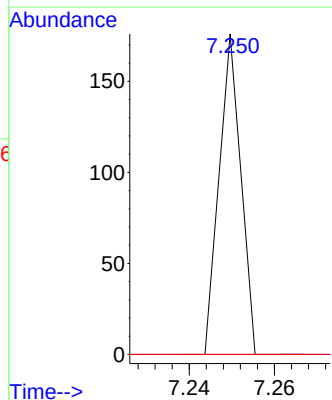
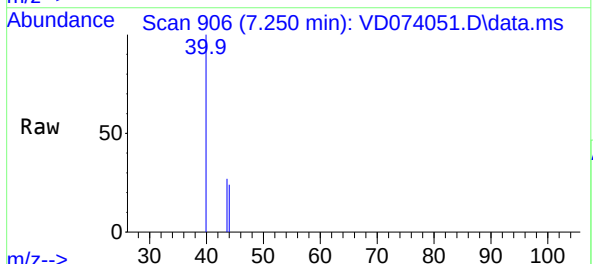
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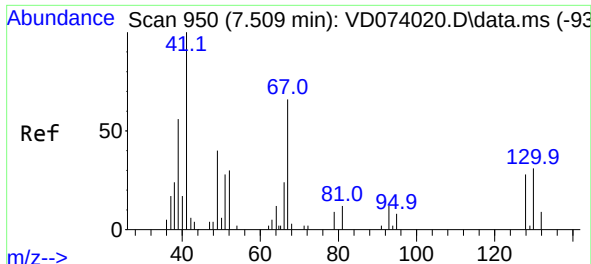
Tgt Ion: 75 Resp: 253
Ion Ratio Lower Upper
75 100
110 0.0 18.4 55.4#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 3.036 ug/l
RT: 7.250 min Scan# 906
Delta R.T. -0.035 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 10.2 15.2#

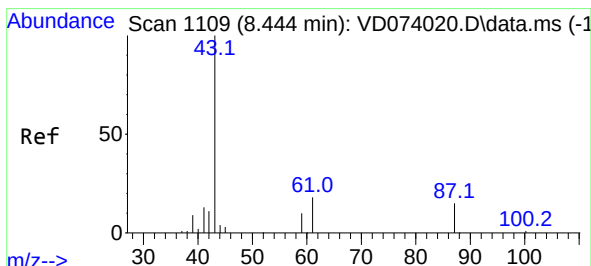
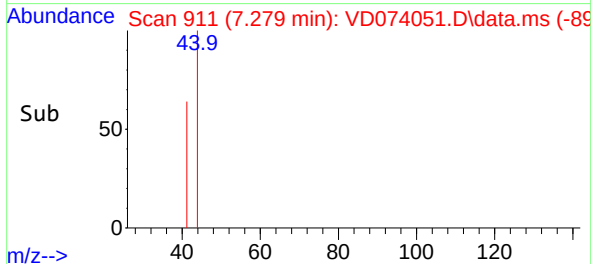
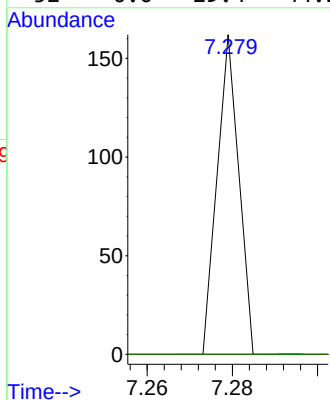
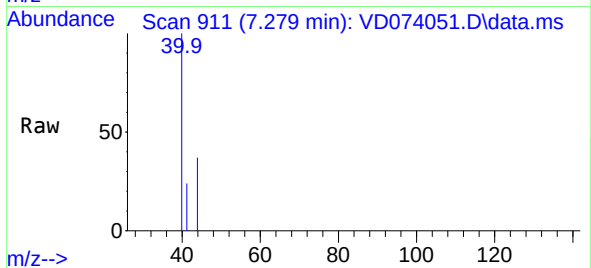




#41
Methacrylonitrile
Concen: 5.107 ug/l
RT: 7.279 min Scan# 911
Delta R.T. -0.230 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

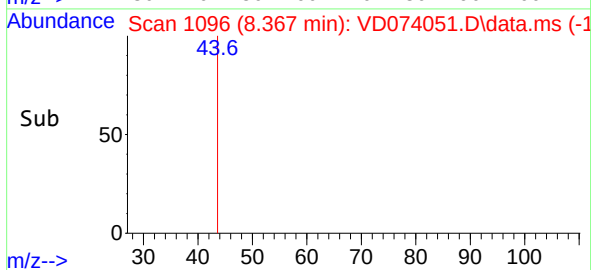
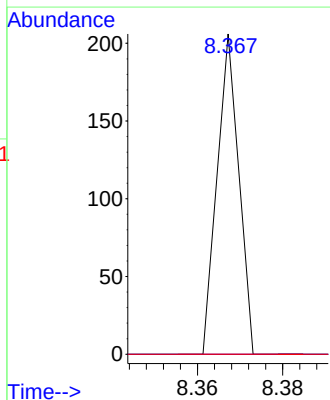
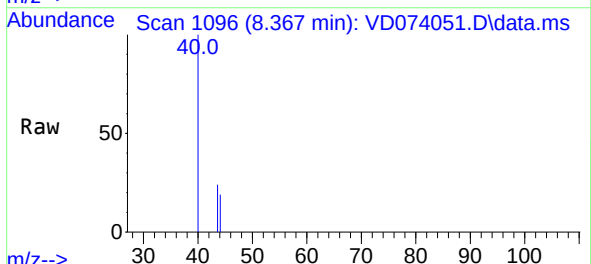
Instrument :
MSVOA_D
ClientSampleId :
SB07RE

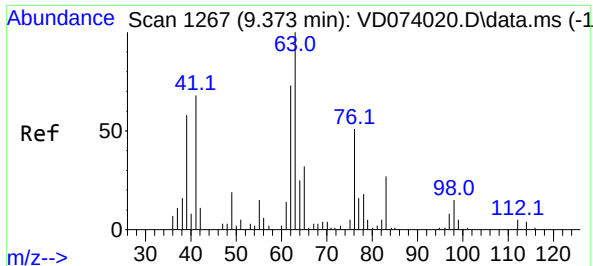
Tgt Ion: 41	Resp: 57
Ion Ratio	Lower Upper
41 100	
39 0.0	48.2 72.4#
67 0.0	66.3 99.5#
52 0.0	29.4 44.2#



#43
Isopropyl Acetate
Concen: 1.870 ug/l
RT: 8.367 min Scan# 1096
Delta R.T. -0.077 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Tgt Ion: 43	Resp: 73		
Ion Ratio	Lower	Upper	
43 100			
61 0.0	25.3	37.9#	
87 0.0	11.4	17.2#	

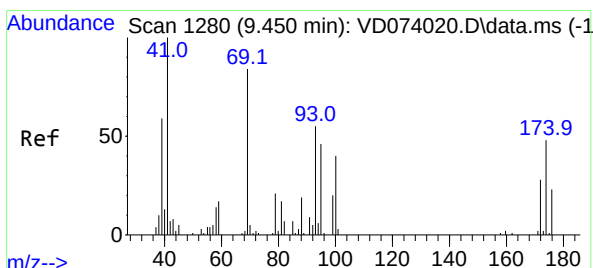
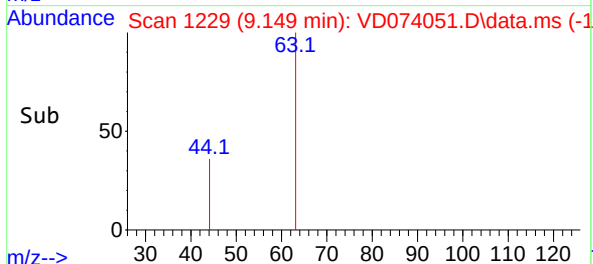
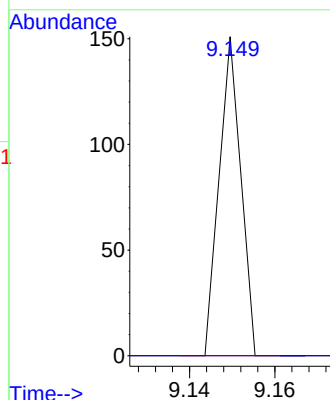
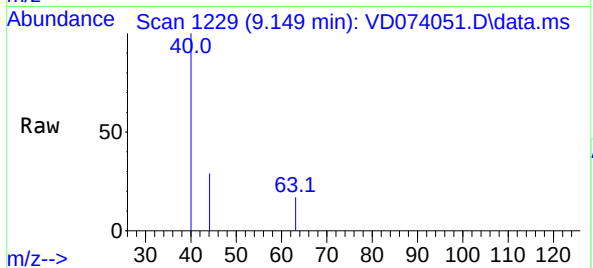




#45
1,2-Dichloropropane
Concen: 1.415 ug/l
RT: 9.149 min Scan# 11
Delta R.T. -0.224 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

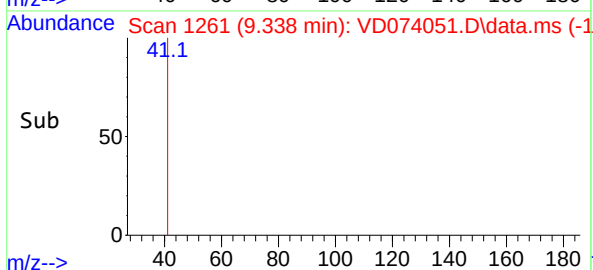
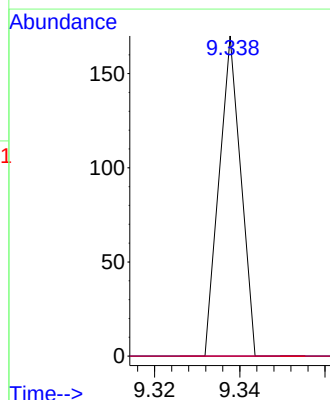
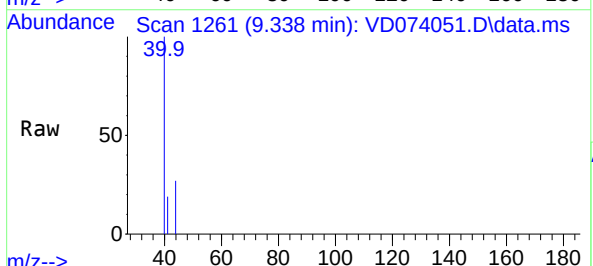
Instrument :
MSVOA_D
ClientSampleId :
SB07RE

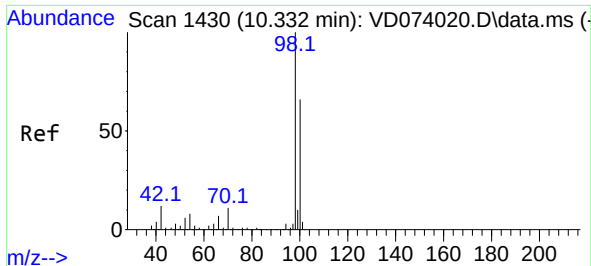
Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
65 0.0 24.6 36.8#



#48
Methyl methacrylate
Concen: 3.221 ug/l
RT: 9.338 min Scan# 1261
Delta R.T. -0.112 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
69 0.0 77.0 115.4#
39 0.0 59.0 88.6#

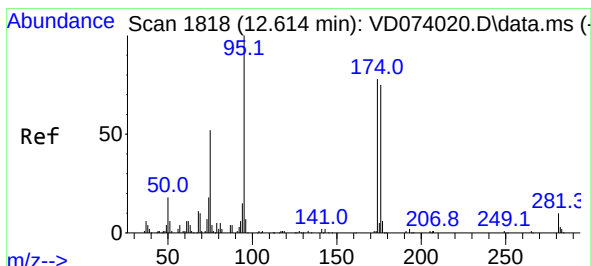
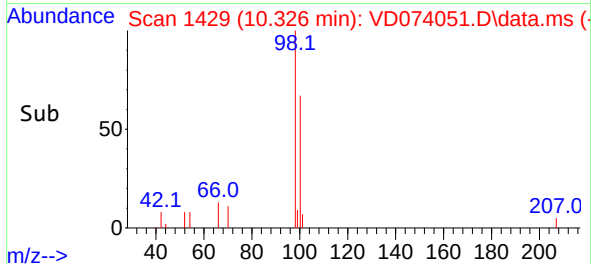
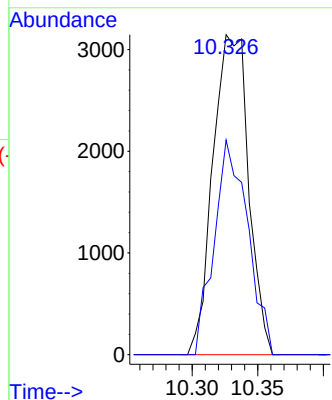
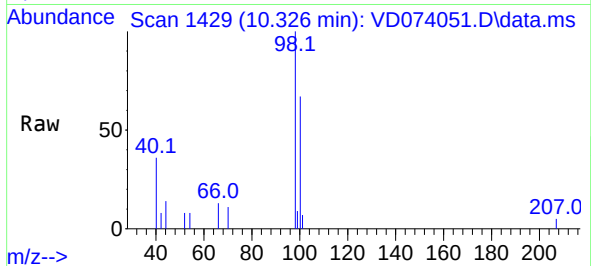




#50
Toluene-d8
Concen: 61.445 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

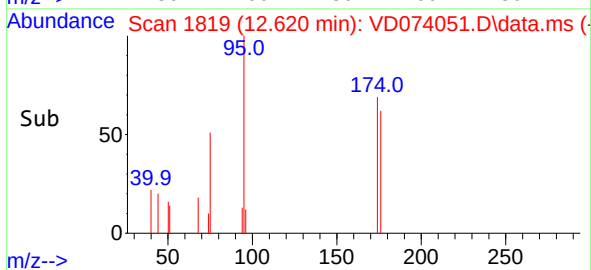
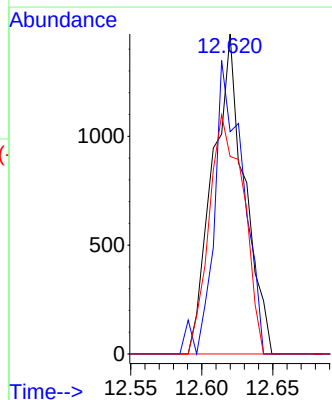
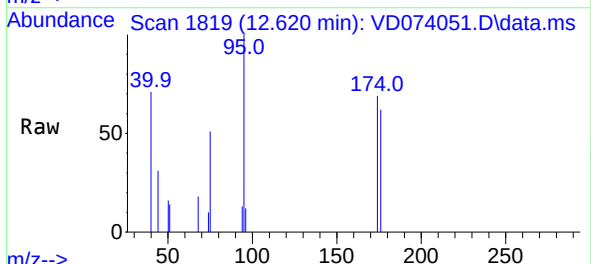
Instrument :
MSVOA_D
ClientSampleId :
SB07RE

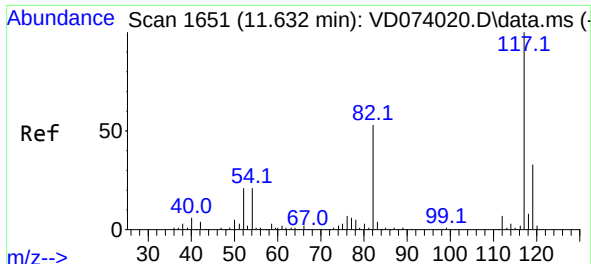
Tgt Ion: 98 Resp: 5934
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 49.141 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Tgt Ion: 95 Resp: 2279
Ion Ratio Lower Upper
95 100
174 83.0 0.0 162.6
176 80.7 0.0 160.0

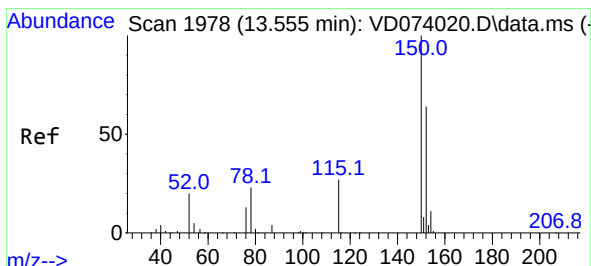
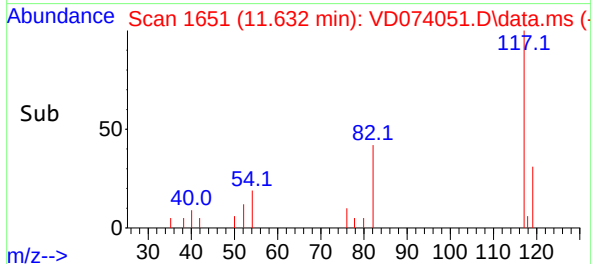
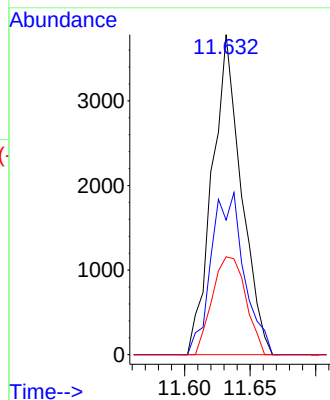
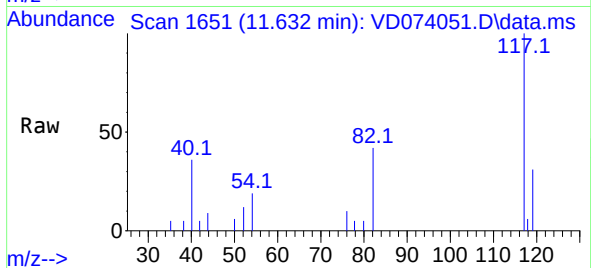




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

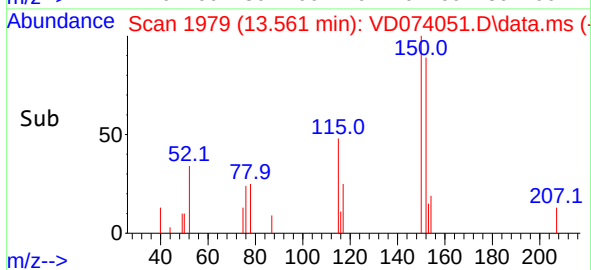
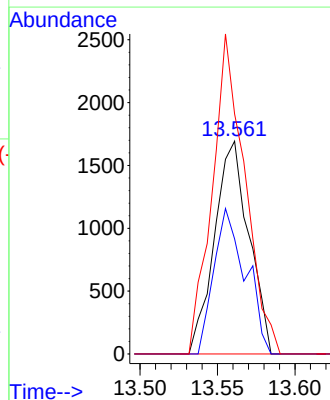
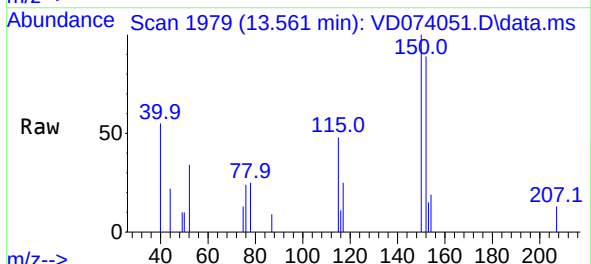
Instrument :
MSVOA_D
ClientSampleId :
SB07RE

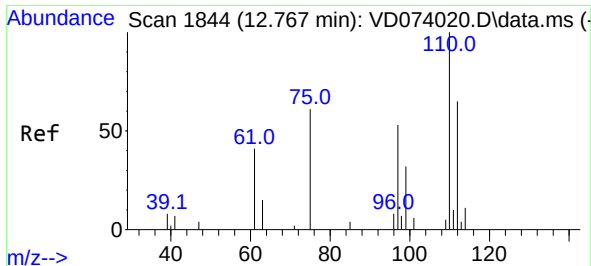
Tgt Ion:117 Resp: 5859
Ion Ratio Lower Upper
117 100
82 42.1 42.7 64.1#
119 30.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Tgt Ion:152 Resp: 2618
Ion Ratio Lower Upper
152 100
115 63.1 29.9 89.8
150 142.6 0.0 342.8

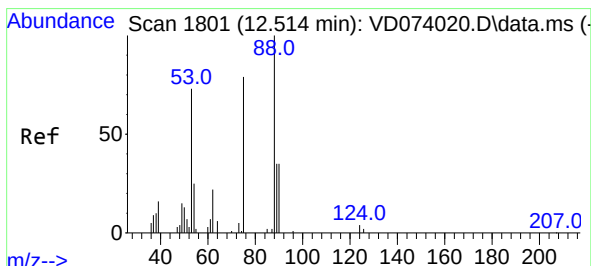
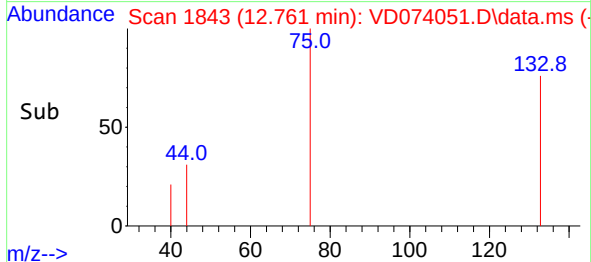
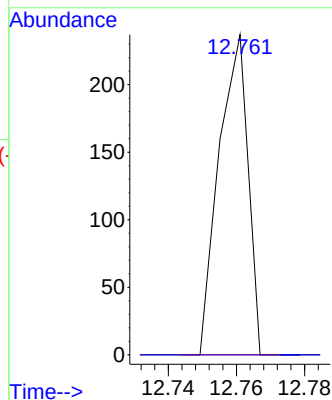
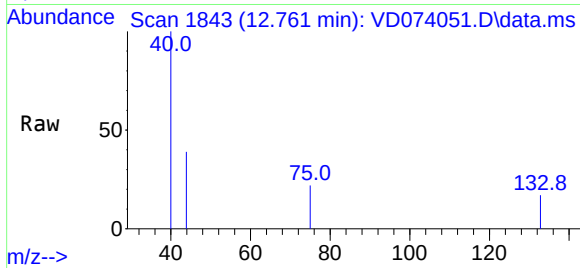




#76
1,2,3-Trichloropropane
Concen: 5.857 ug/l
RT: 12.761 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

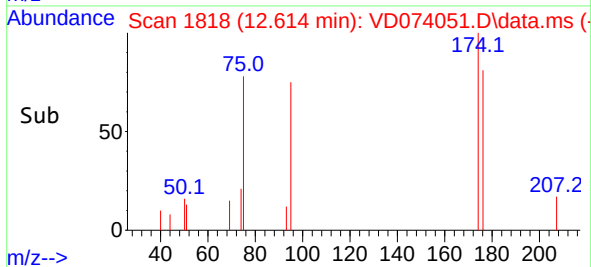
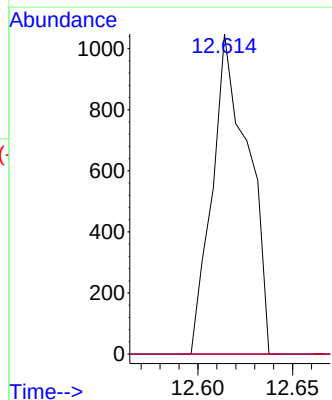
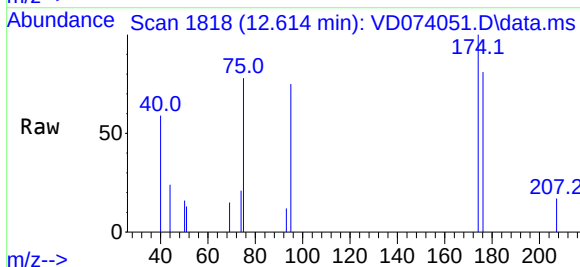
Instrument :
MSVOA_D
ClientSampleId :
SB07RE

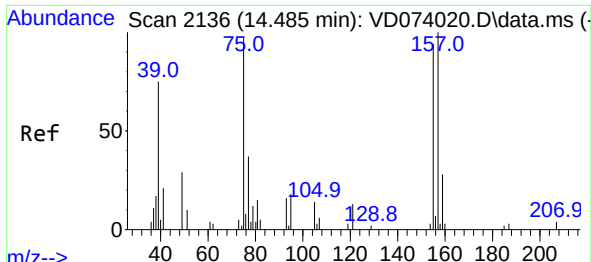
Tgt Ion: 75 Resp: 140
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 154.426 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

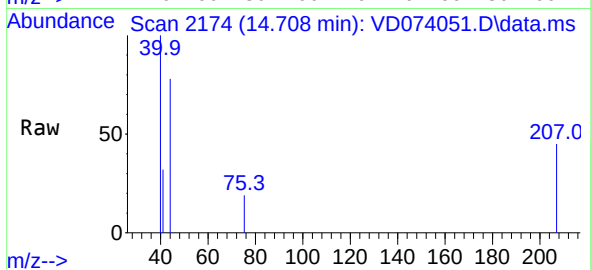
Tgt Ion: 75 Resp: 1383
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 38.3 57.5#





#92
1,2-Dibromo-3-Chloropropane
Concen: 9.144 ug/l
RT: 14.708 min Scan# 21
Delta R.T. 0.223 min
Lab File: VD074051.D
Acq: 11 Aug 2022 19:47

Instrument :
MSVOA_D
ClientSampleId :
SB07RE



Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 55.2 165.6#

