

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040122\
 Data File : VD072504.D
 Acq On : 01 Apr 2022 15:53
 Operator : VA/SY
 Sample : N2217-08
 Misc : 5.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7

Quant Time: Apr 02 02:38:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

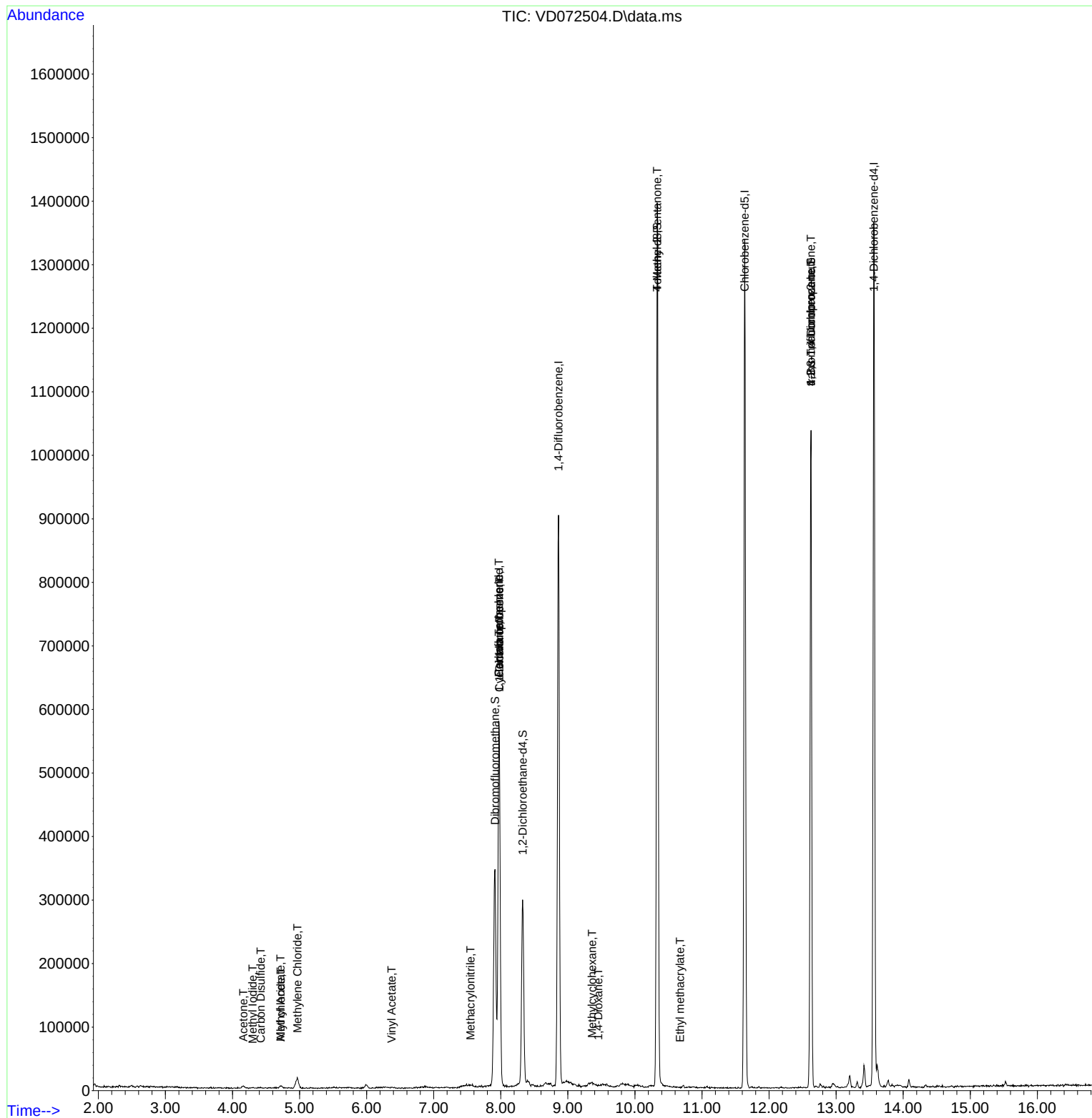
Internal Standards						
1) Pentafluorobenzene	7.973	168	420139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	772471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	778594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	368684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	231191	45.489	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.980%
35) Dibromofluoromethane	7.914	113	251137	41.834	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.660%
50) Toluene-d8	10.332	98	947625	45.412	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.820%
62) 4-Bromofluorobenzene	12.626	95	352593	43.265	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.520%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	950	3.926	ug/l #	48
14) Allyl chloride	4.720	41	149	1.149	ug/l #	22
16) Acetone	4.161	43	6070	6.405	ug/l #	72
17) Carbon Disulfide	4.420	76	2535	3.914	ug/l #	74
18) Methyl Acetate	4.714	43	3267	1.224	ug/l #	20
20) Methylene Chloride	4.967	84	12161	2.155	ug/l #	83
23) Vinyl Acetate	6.373	43	77	6.298	ug/l #	75
31) Cyclohexane	7.979	56	9614	1.447	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	34360	5.502	ug/l #	54
38) Carbon Tetrachloride	7.973	117	46655	5.641	ug/l #	20
39) Methylcyclohexane	9.361	83	202	2.898	ug/l #	17
41) Methacrylonitrile	7.550	41	213	1.769	ug/l #	41
49) 1,4-Dioxane	9.455	88	65	1.786	ug/l #	21
51) 4-Methyl-2-Pentanone	10.332	43	3736	1.141	ug/l #	1
56) Ethyl methacrylate	10.673	69	462	1.270	ug/l #	29
76) 1,2,3-Trichloropropane	12.626	75	177995	44.265	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	177995	108.619	ug/l #	7

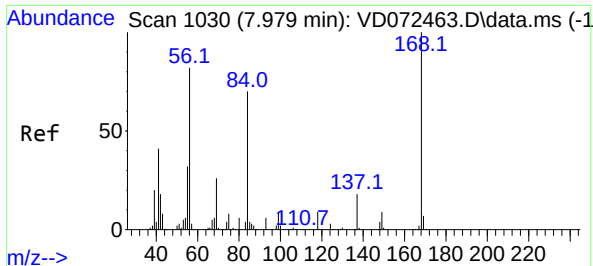
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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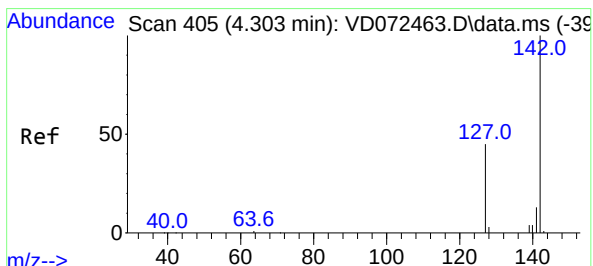
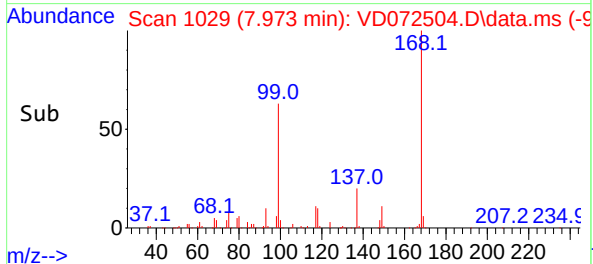
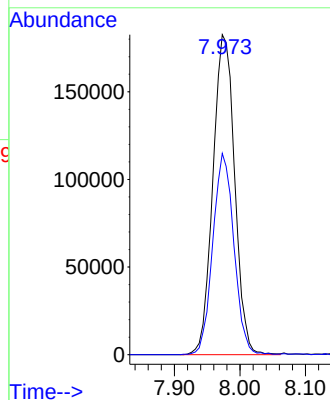
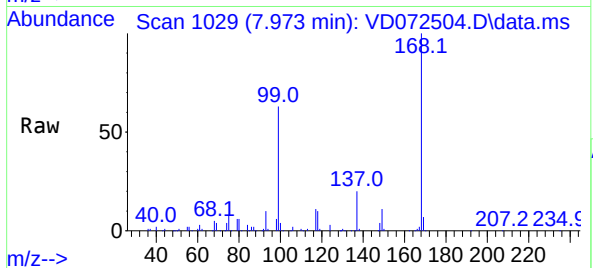




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

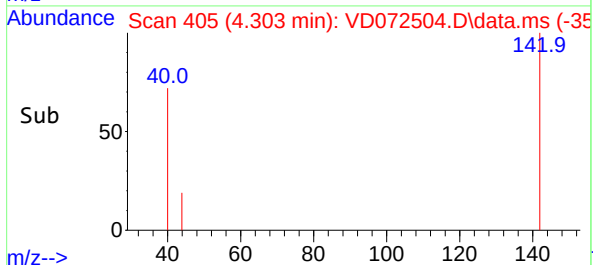
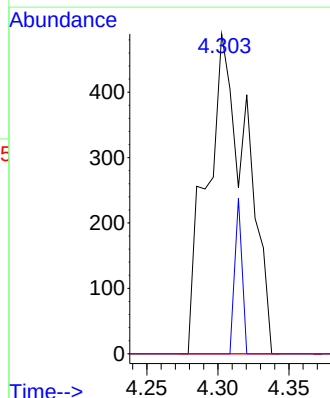
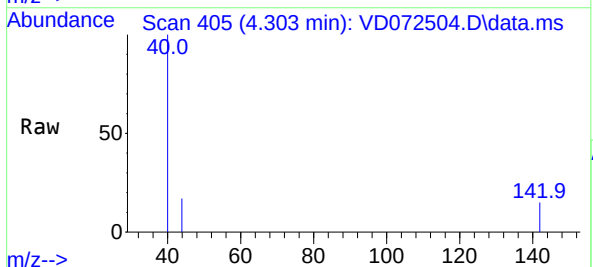
Instrument :
MSVOA_D
ClientSampleId :
SB-7

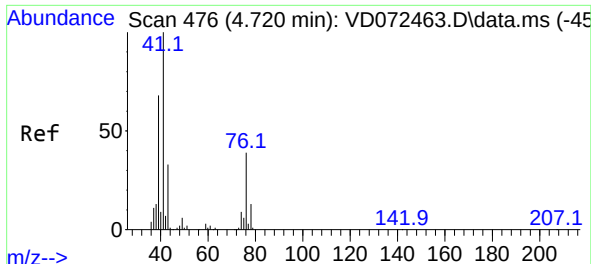
Tgt Ion:168 Resp: 420139
Ion Ratio Lower Upper
168 100
99 62.9 49.8 74.6



#10
Methyl Iodide
Concen: 3.926 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

Tgt Ion:142 Resp: 950
Ion Ratio Lower Upper
142 100
127 8.8 37.3 55.9#
141 0.0 11.7 17.5#





#14

Allyl chloride

Concen: 1.149 ug/l

RT: 4.720 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD072504.D

Acq: 01 Apr 2022 15:53

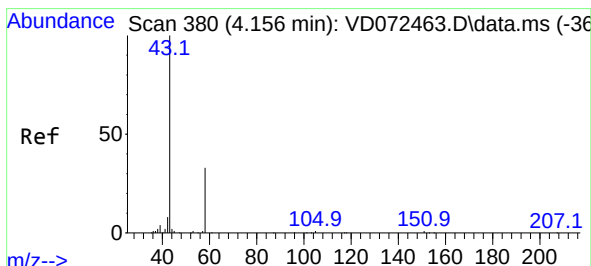
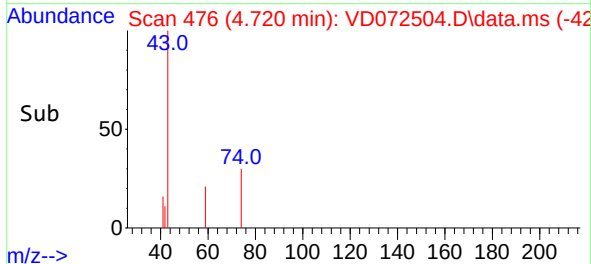
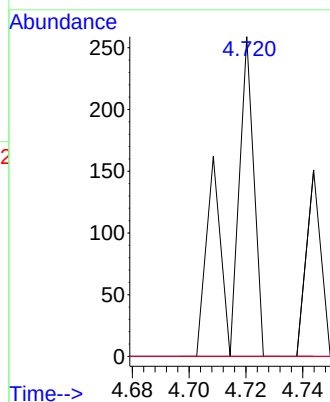
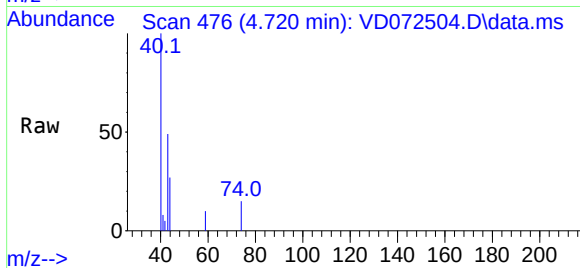
Instrument :

MSVOA_D

ClientSampleId :

SB-7

Tgt Ion: 41	Resp: 149
Ion Ratio	Lower Upper
41 100	
39 0.0	59.3 88.9#
76 0.0	25.7 38.5#



#16

Acetone

Concen: 6.405 ug/l

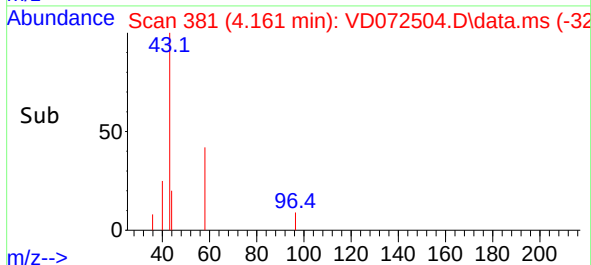
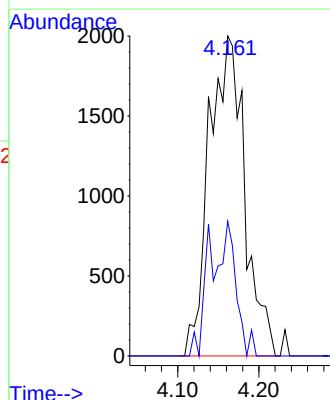
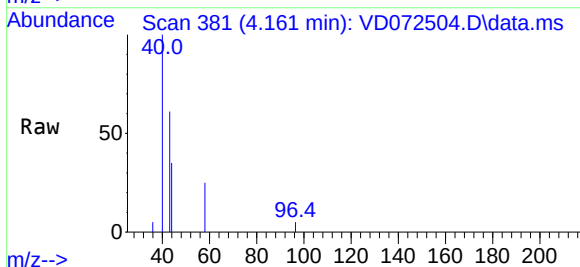
RT: 4.161 min Scan# 381

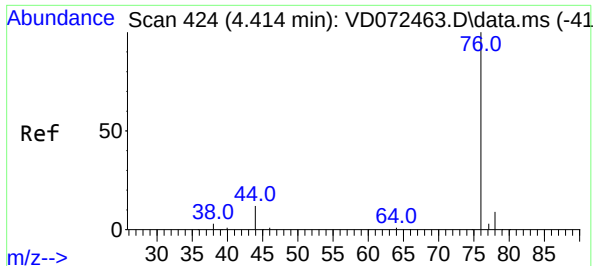
Delta R.T. 0.006 min

Lab File: VD072504.D

Acq: 01 Apr 2022 15:53

Tgt Ion: 43	Resp: 6070
Ion Ratio	Lower Upper
43 100	
58 42.0	22.1 33.1#

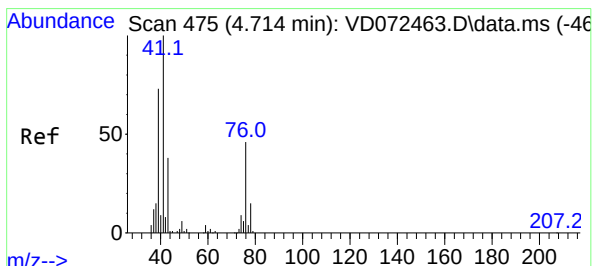
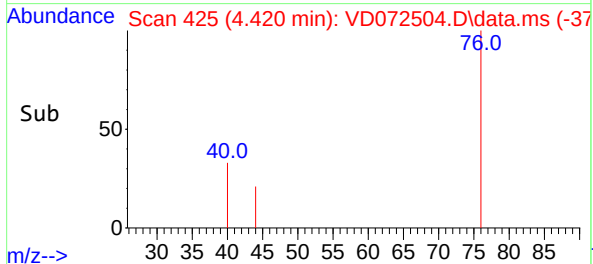
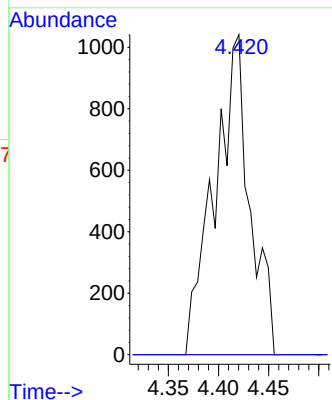
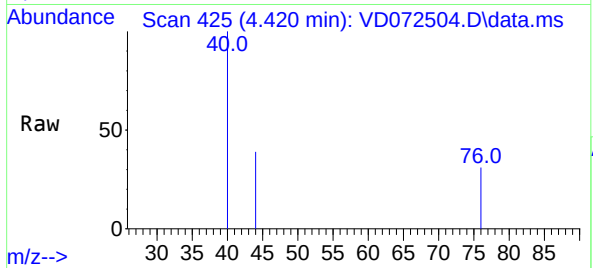




#17
Carbon Disulfide
Concen: 3.914 ug/l
RT: 4.420 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

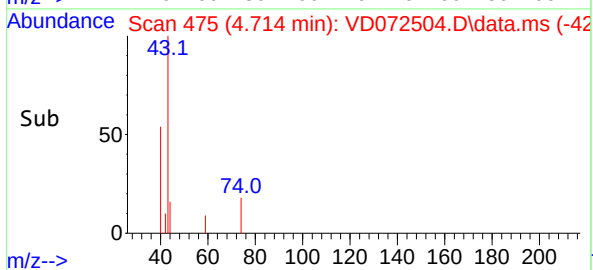
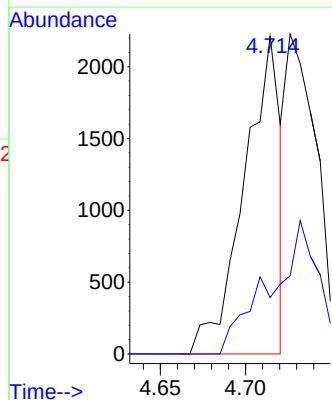
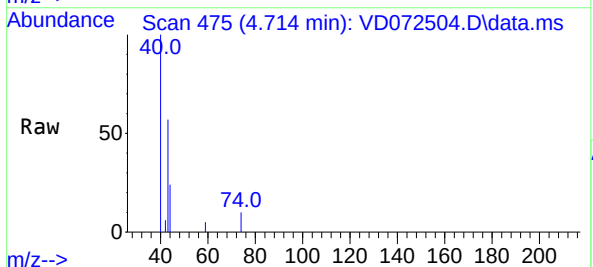
Instrument :
MSVOA_D
ClientSampleId :
SB-7

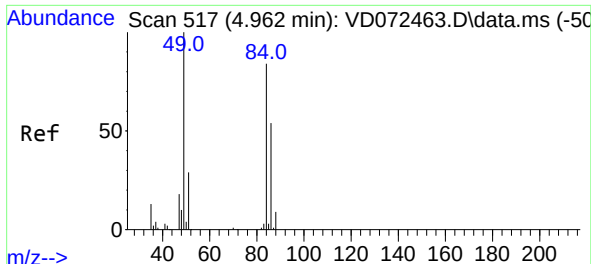
Tgt Ion: 76 Resp: 2535
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 1.224 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

Tgt Ion: 43 Resp: 3267
Ion Ratio Lower Upper
43 100
74 58.2 16.7 25.1#

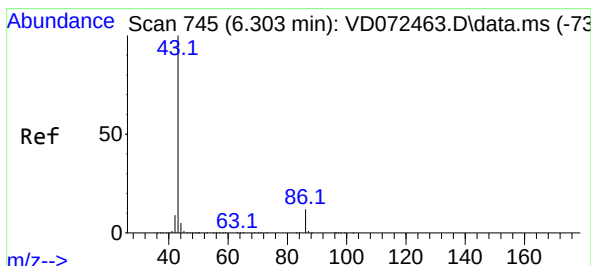
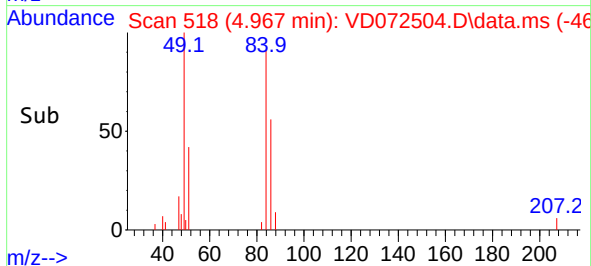
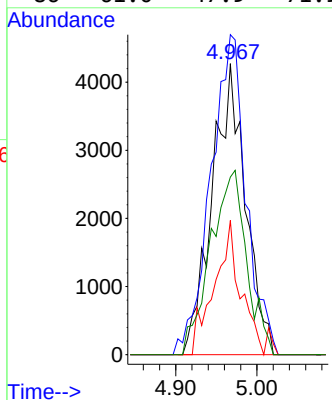
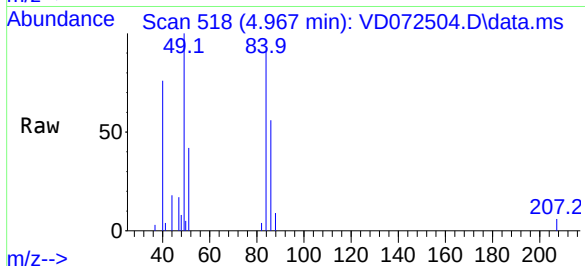




#20
Methylene Chloride
Concen: 2.155 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

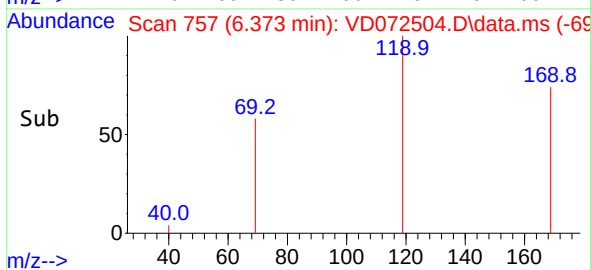
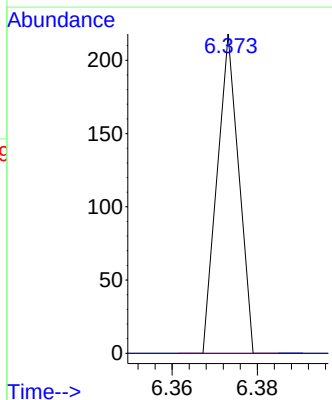
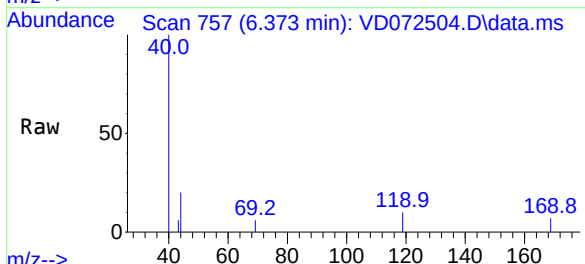
Instrument :
MSVOA_D
ClientSampleId :
SB-7

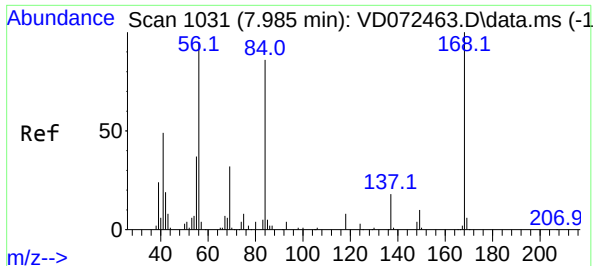
Tgt Ion:	84	Resp:	12161
Ion	Ratio	Lower	Upper
84	100		
49	109.9	112.8	169.2#
51	46.1	32.6	48.8
86	61.0	47.9	71.9



#23
Vinyl Acetate
Concen: 6.298 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.070 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

Tgt Ion:	43	Resp:	77
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#31

Cyclohexane

Concen: 1.447 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD072504.D

Acq: 01 Apr 2022 15:53

Instrument :

MSVOA_D

ClientSampleId :

SB-7

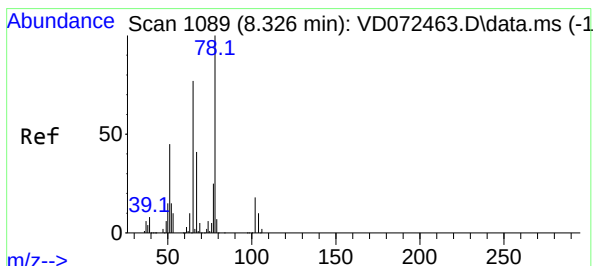
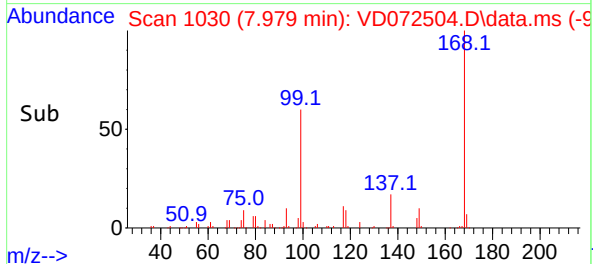
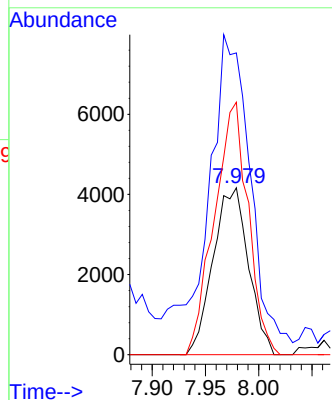
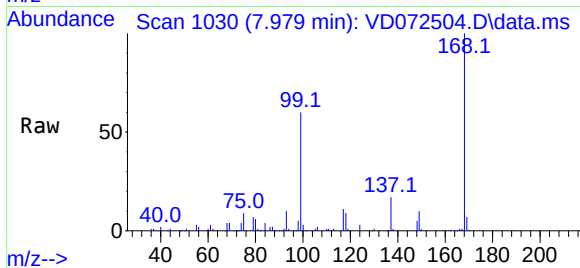
Tgt Ion: 56 Resp: 9614

Ion Ratio Lower Upper

56 100

69 168.1 25.4 38.2#

84 151.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 45.489 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072504.D

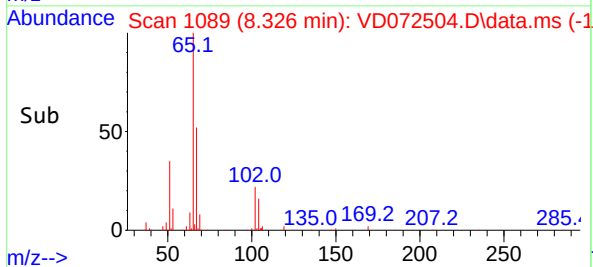
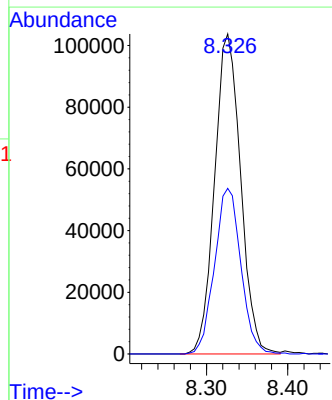
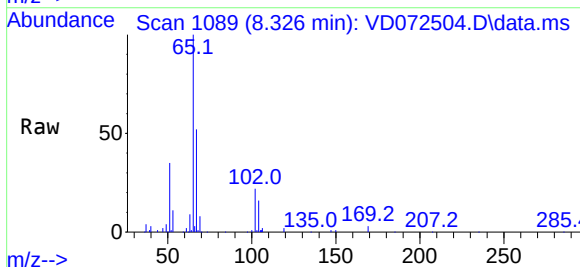
Acq: 01 Apr 2022 15:53

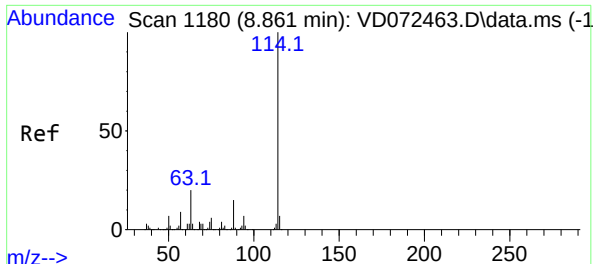
Tgt Ion: 65 Resp: 231191

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.4



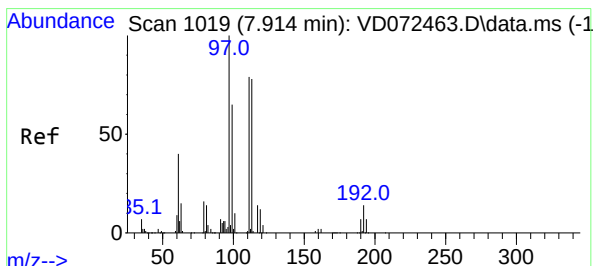
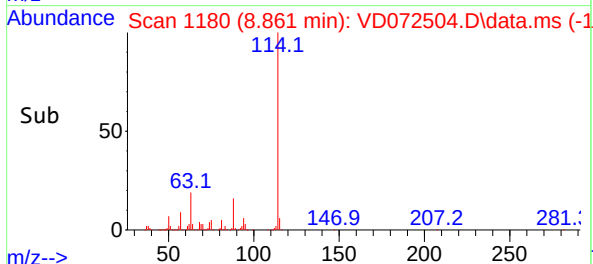
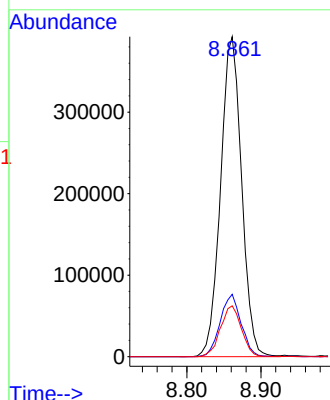
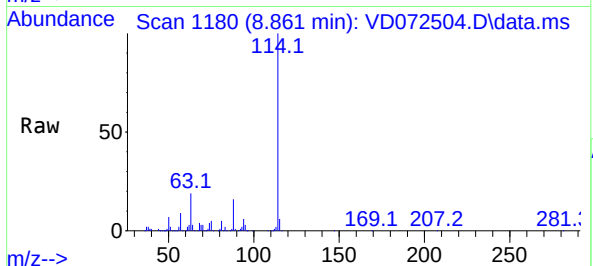


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

Instrument :
MSVOA_D
ClientSampleId :
SB-7

Tgt Ion:114 Resp: 772471

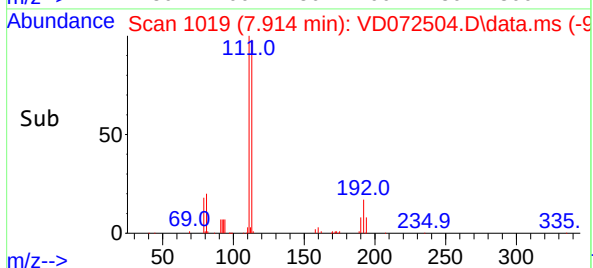
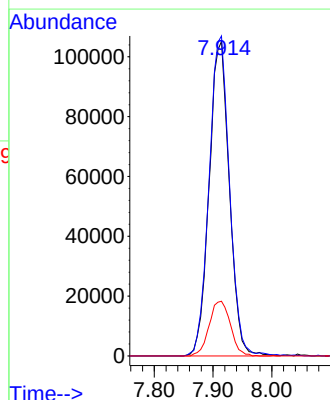
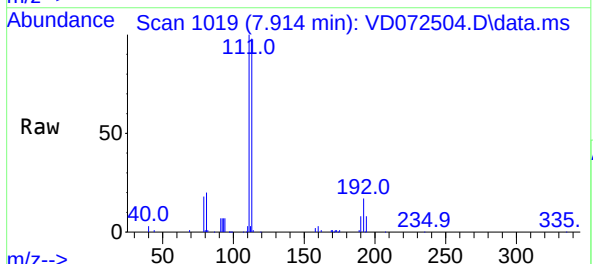
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	46.6
88	15.9	0.0	33.2

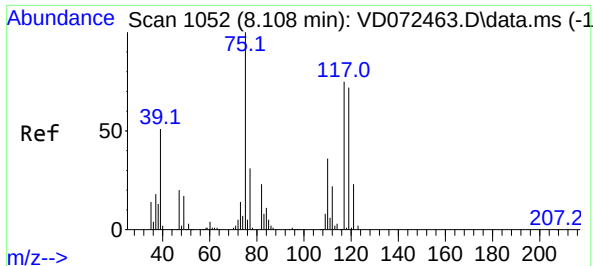


#35
Dibromofluoromethane
Concen: 41.834 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

Tgt Ion:113 Resp: 251137

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.8	125.6
192	18.4	14.6	21.8





#36

1,1-Dichloropropene

Concen: 5.502 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD072504.D

Acq: 01 Apr 2022 15:53

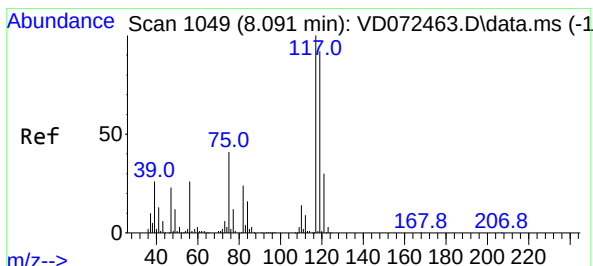
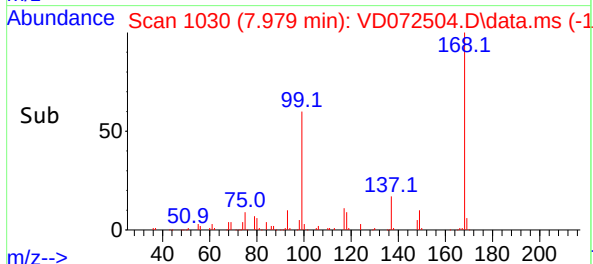
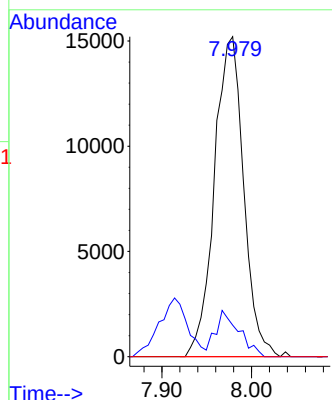
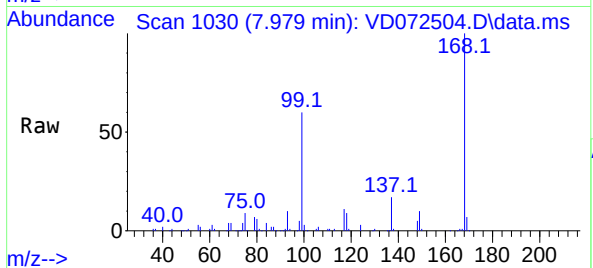
Instrument :

MSVOA_D

ClientSampleId :

SB-7

Tgt Ion: 75	Resp: 34360
Ion Ratio	Lower Upper
75	100
110	11.6 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.641 ug/l

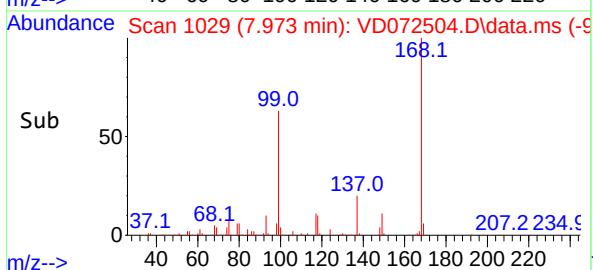
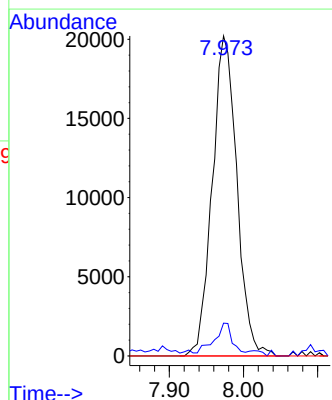
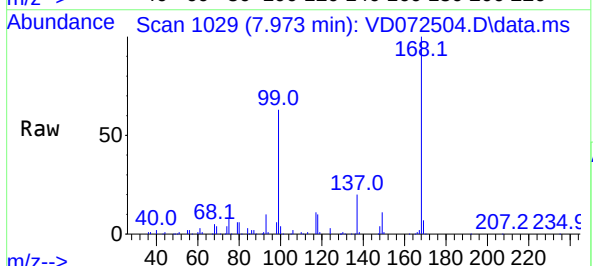
RT: 7.973 min Scan# 1029

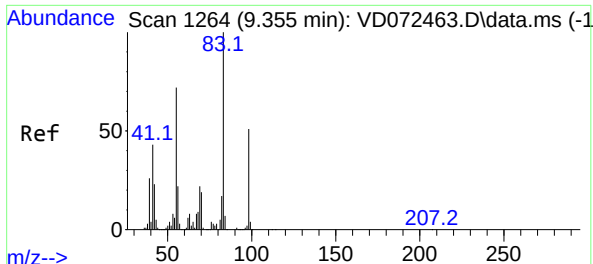
Delta R.T. -0.118 min

Lab File: VD072504.D

Acq: 01 Apr 2022 15:53

Tgt Ion: 117	Resp: 46655
Ion Ratio	Lower Upper
117	100
119	10.2 75.8 113.6#
121	0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.898 ug/l

RT: 9.361 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD072504.D

Acq: 01 Apr 2022 15:53

Instrument :

MSVOA_D

ClientSampleId :

SB-7

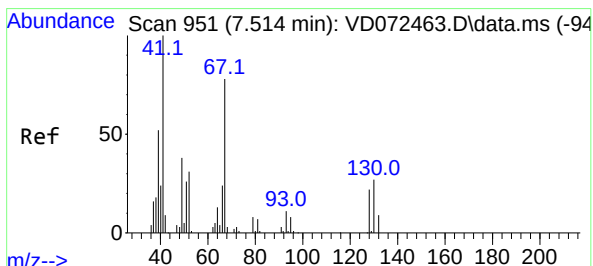
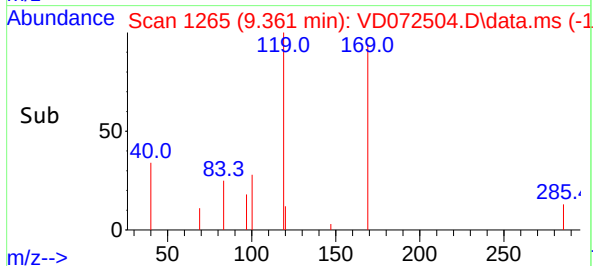
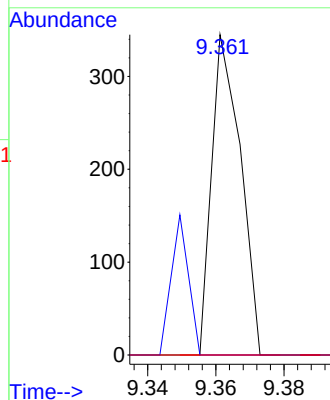
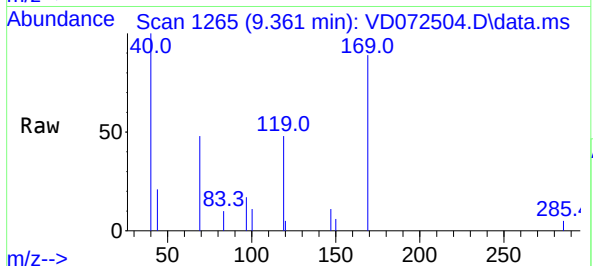
Tgt Ion: 83 Resp: 202

Ion Ratio Lower Upper

83 100

55 0.0 63.2 94.8#

98 0.0 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.769 ug/l

RT: 7.550 min Scan# 957

Delta R.T. 0.036 min

Lab File: VD072504.D

Acq: 01 Apr 2022 15:53

Tgt Ion: 41 Resp: 213

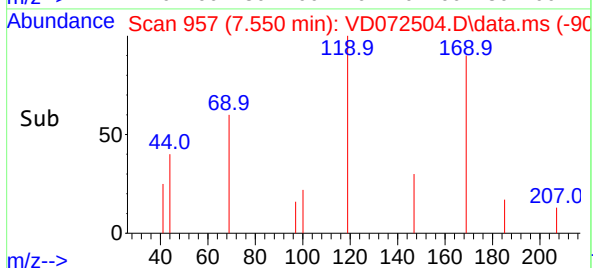
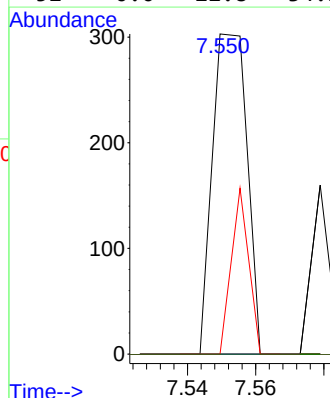
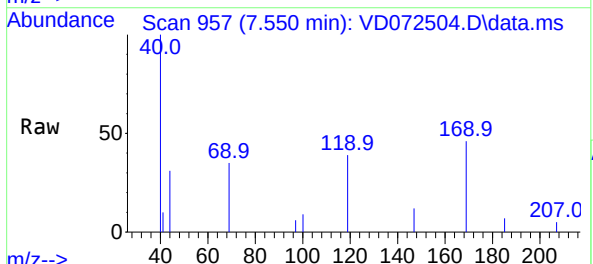
Ion Ratio Lower Upper

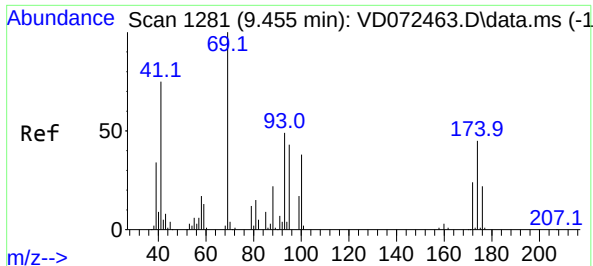
41 100

39 0.0 44.6 67.0#

67 25.8 48.2 72.4#

52 0.0 22.8 34.2#

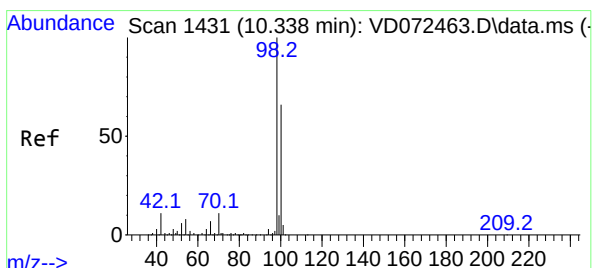
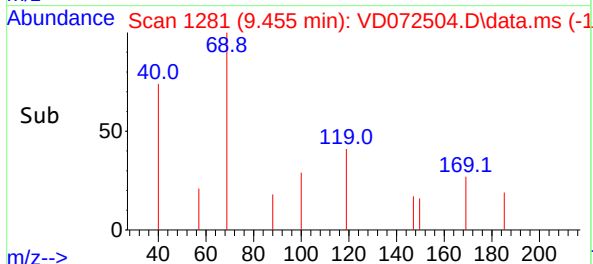
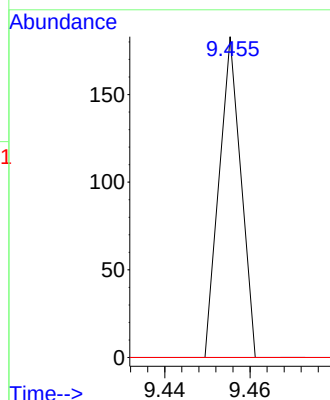
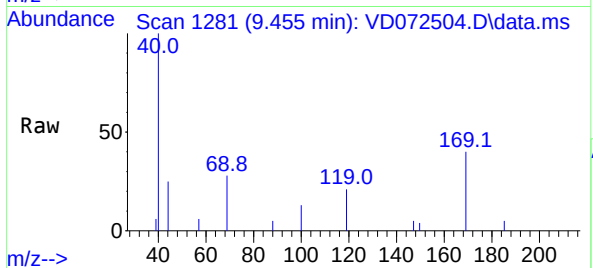




#49
1,4-Dioxane
Concen: 1.786 ug/l
RT: 9.455 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

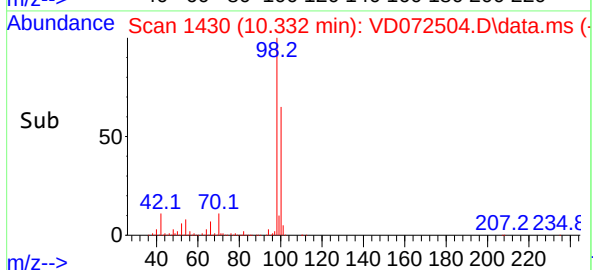
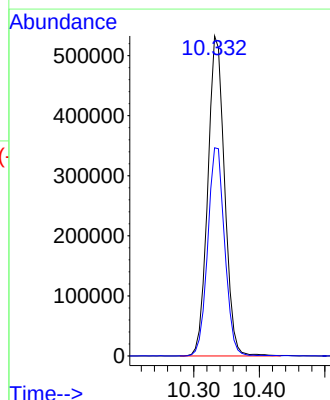
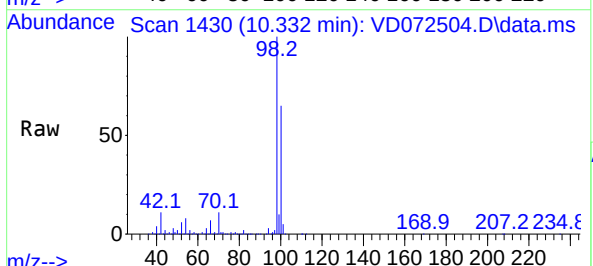
Instrument :
MSVOA_D
ClientSampleId :
SB-7

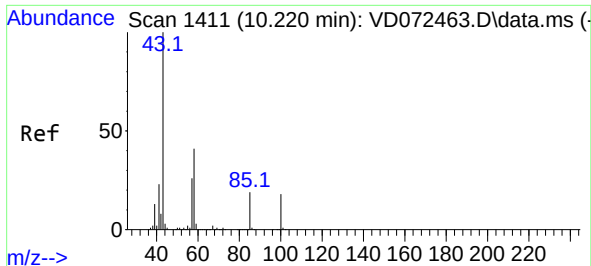
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 45.412 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

Tgt Ion: 98 Resp: 947625
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.141 ug/l

RT: 10.332 min Scan# 1411

Delta R.T. 0.112 min

Lab File: VD072504.D

Acq: 01 Apr 2022 15:53

Instrument :

MSVOA_D

ClientSampleId :

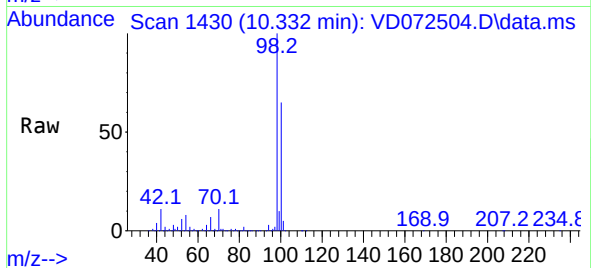
SB-7

Tgt Ion: 43 Resp: 3736

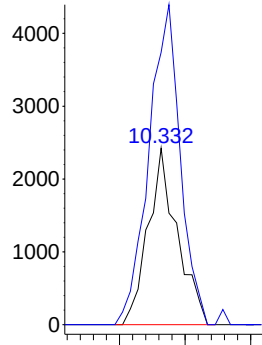
Ion Ratio Lower Upper

43 100

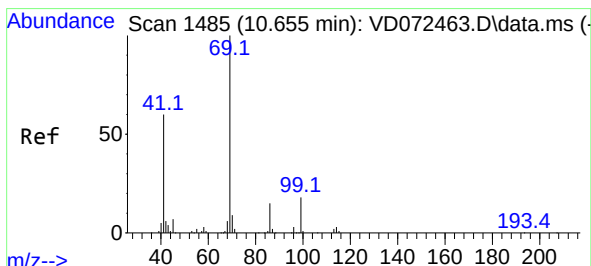
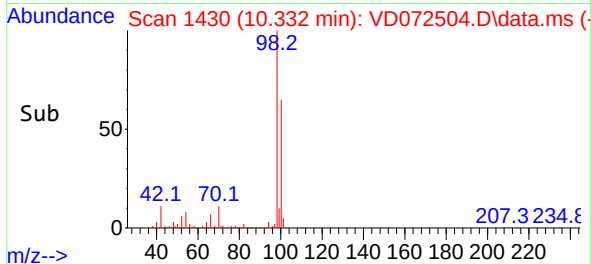
58 195.9 28.6 43.0#



Abundance



Time-->



#56

Ethyl methacrylate

Concen: 1.270 ug/l

RT: 10.673 min Scan# 1488

Delta R.T. 0.018 min

Lab File: VD072504.D

Acq: 01 Apr 2022 15:53

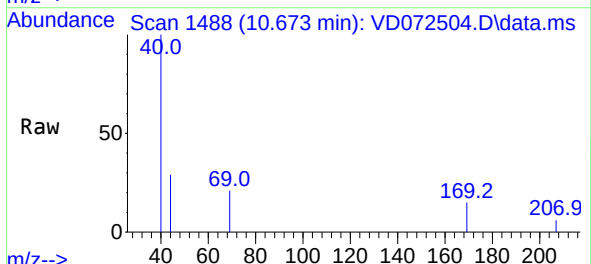
Tgt Ion: 69 Resp: 462

Ion Ratio Lower Upper

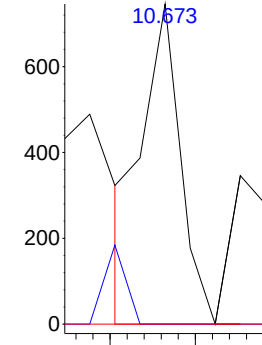
69 100

41 14.1 63.0 94.6#

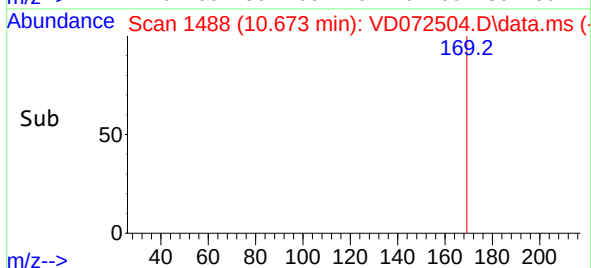
39 0.0 33.8 50.8#

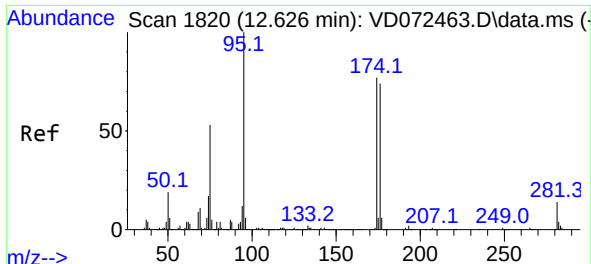


Abundance



Time-->



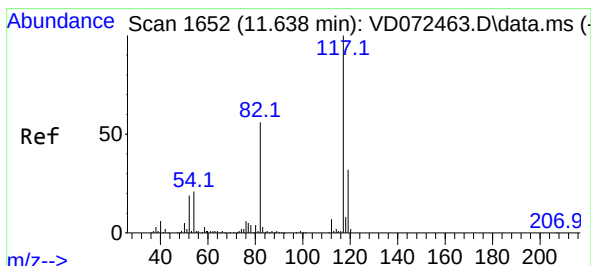
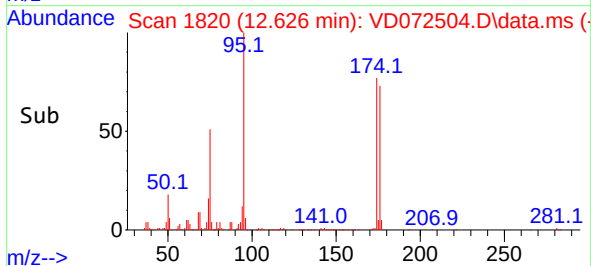
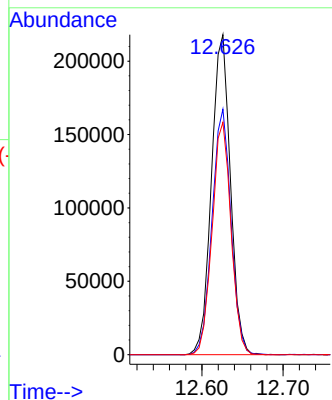
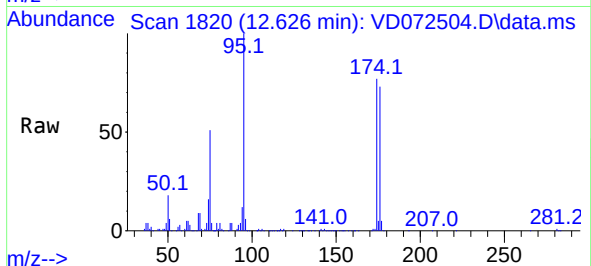


#62
4-Bromofluorobenzene
Concen: 43.265 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

Instrument : MSVOA_D
ClientSampleId : SB-7

Tgt Ion: 95 Resp: 352593

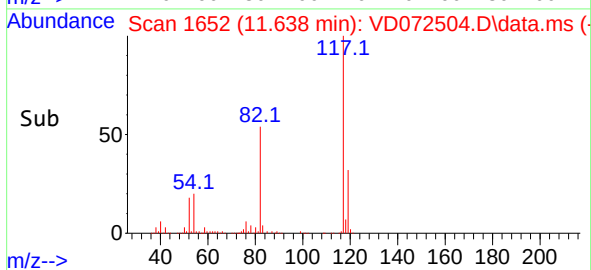
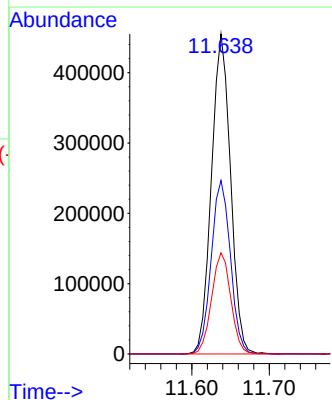
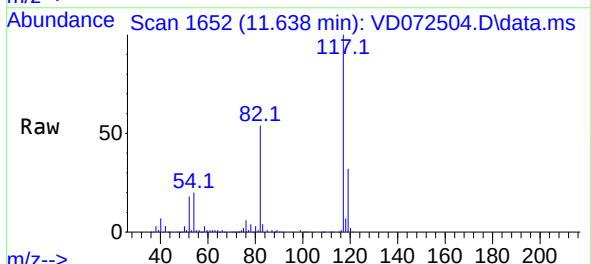
Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	152.8
176	72.3	0.0	145.4

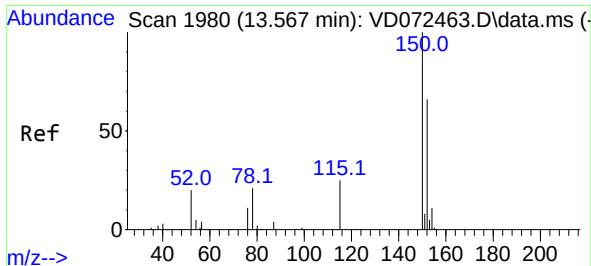


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

Tgt Ion: 117 Resp: 778594

Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.3	67.9
119	31.6	26.6	40.0

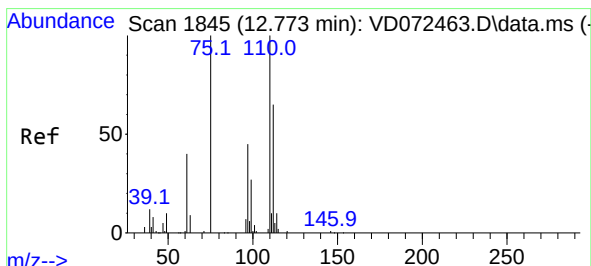
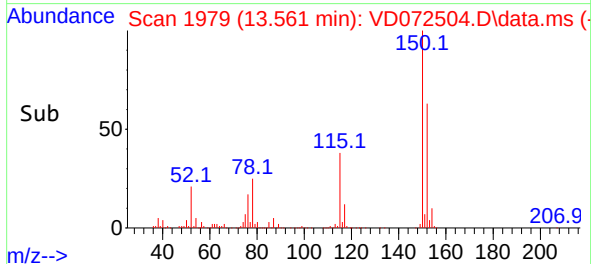
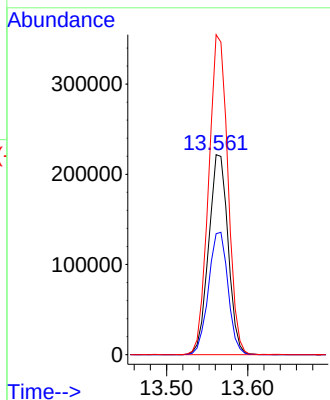
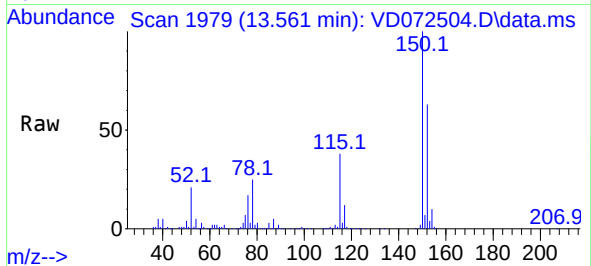




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

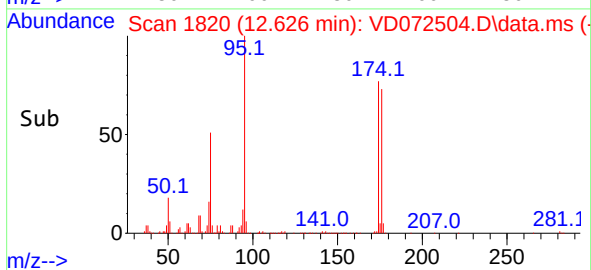
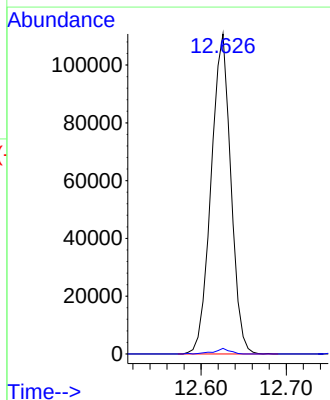
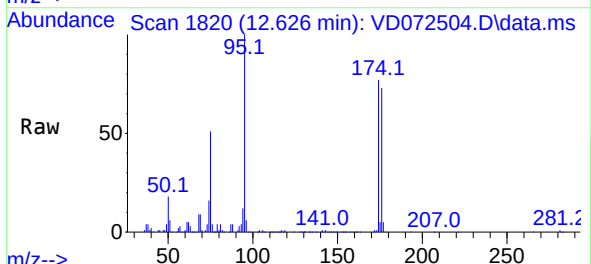
Instrument :
MSVOA_D
ClientSampleId :
SB-7

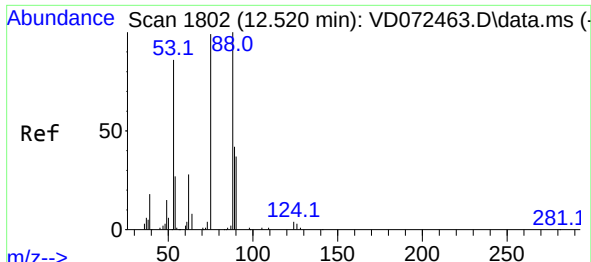
Tgt Ion:152 Resp: 368684
Ion Ratio Lower Upper
152 100
115 61.5 31.3 93.8
150 158.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.265 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072504.D
Acq: 01 Apr 2022 15:53

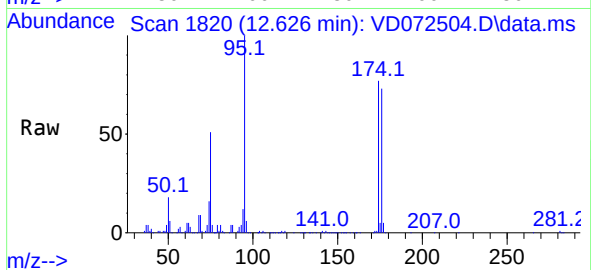
Tgt Ion: 75 Resp: 177995
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.619 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072504.D
 Acq: 01 Apr 2022 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7



Tgt Ion: 75 Resp: 177995
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.1 33.9 50.9#

