

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072636.D
 Acq On : 19 Apr 2022 20:36
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Apr 20 05:05:43 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

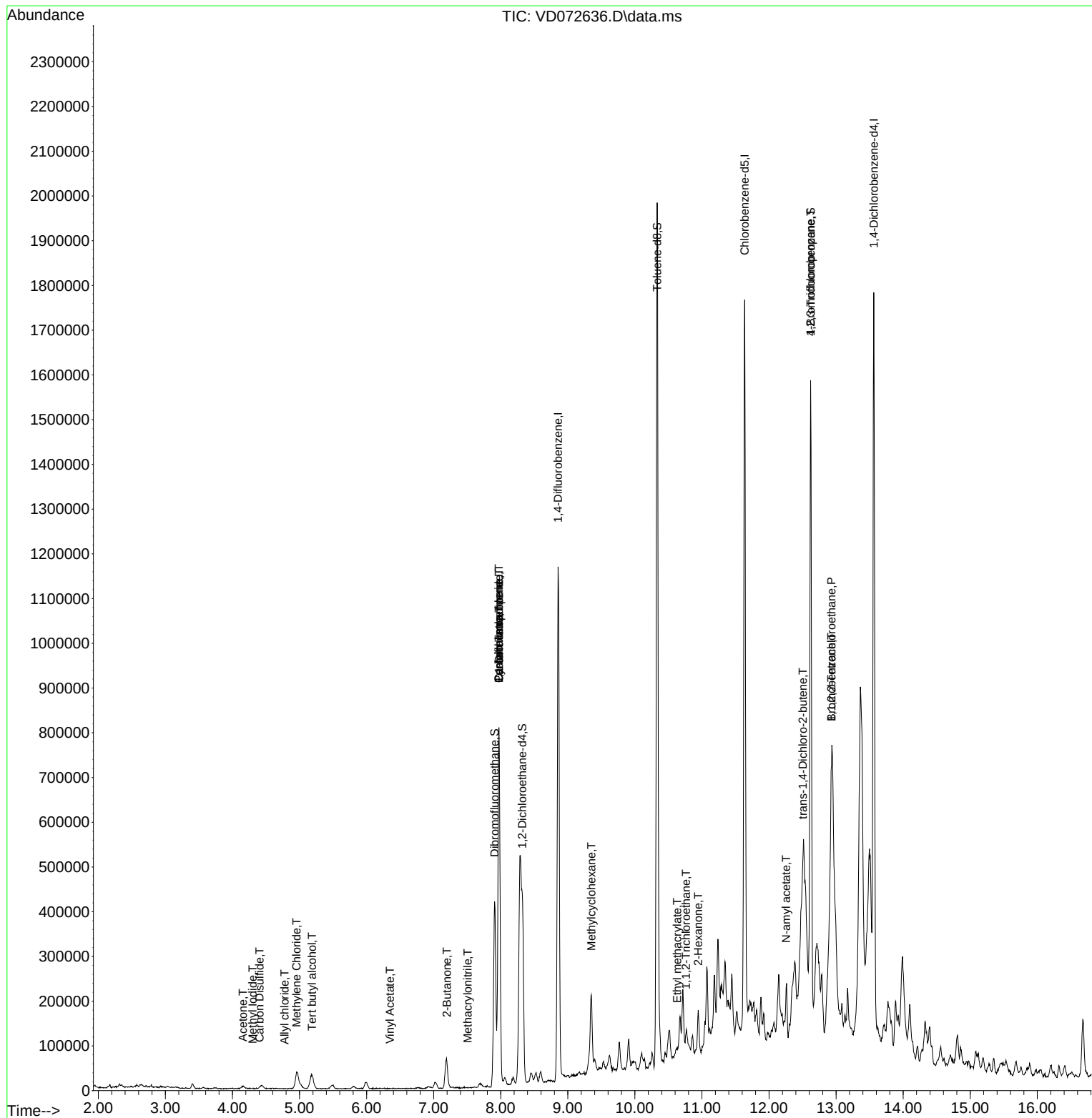
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	567875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	1010656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	961081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	447877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	286112	41.649	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.300%
35) Dibromofluoromethane	7.908	113	300209	38.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.440%
50) Toluene-d8	10.332	98	1243570	45.549	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.100%
62) 4-Bromofluorobenzene	12.620	95	443444	41.589	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.180%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	530	3.812	ug/l #	69
11) Tert butyl alcohol	5.185	59	28397	78.277	ug/l #	76
14) Allyl chloride	4.779	41	170	1.145	ug/l #	22
16) Acetone	4.156	43	10001	7.808	ug/l	100
17) Carbon Disulfide	4.403	76	3184	3.893	ug/l #	74
20) Methylene Chloride	4.956	84	28671	3.760	ug/l #	76
23) Vinyl Acetate	6.350	43	61	6.294	ug/l #	75
25) 2-Butanone	7.197	43	5138	2.900	ug/l #	90
31) Cyclohexane	7.973	56	23166	2.579	ug/l #	10
36) 1,1-Dichloropropene	7.973	75	43497	5.360	ug/l #	55
38) Carbon Tetrachloride	7.973	117	62335	5.761	ug/l #	18
39) Methylcyclohexane	9.350	83	72478	8.720	ug/l	97
41) Methacrylonitrile	7.508	41	290	1.773	ug/l #	38
55) 1,1,2-Trichloroethane	10.761	97	21479	3.539	ug/l #	22
56) Ethyl methacrylate	10.632	69	7580	2.182	ug/l #	30
59) 2-Hexanone	10.944	43	33909	11.641	ug/l #	34
74) N-amyl acetate	12.255	43	24096	3.175	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.932	83	6879	1.004	ug/l	79
76) 1,2,3-Trichloropropane	12.620	75	234220	47.948	ug/l #	100
77) Bromobenzene	12.932	156	659100	81.297	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.502	75	9688	4.867	ug/l #	1

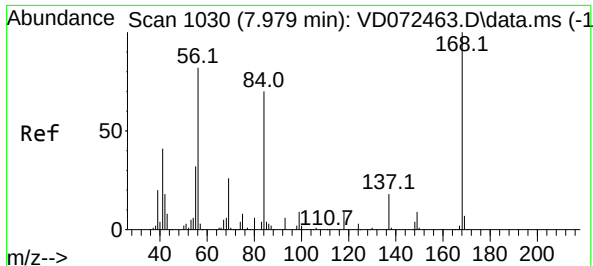
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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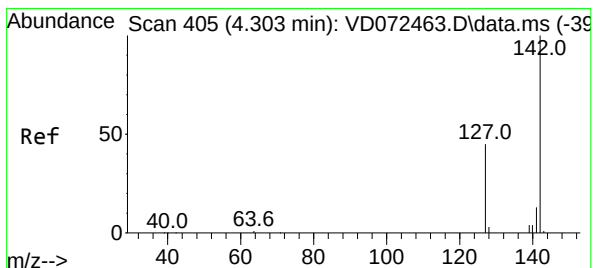
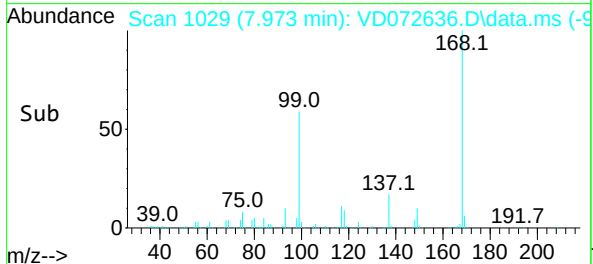
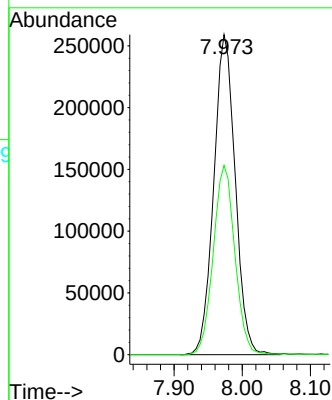
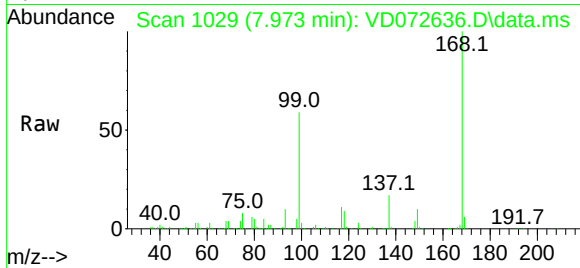




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

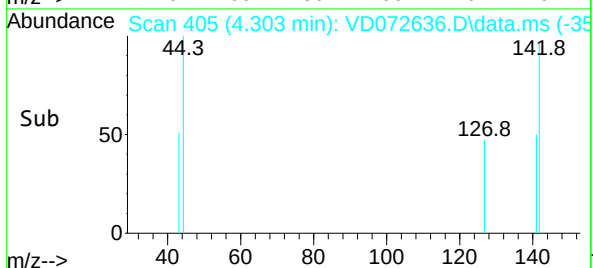
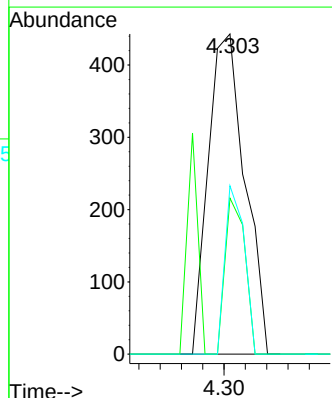
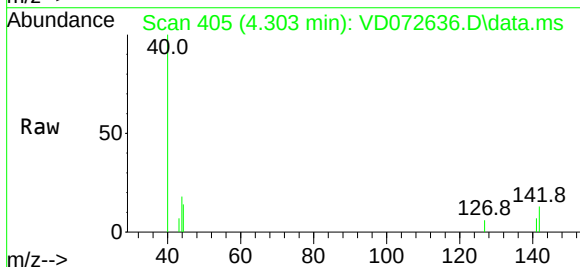
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

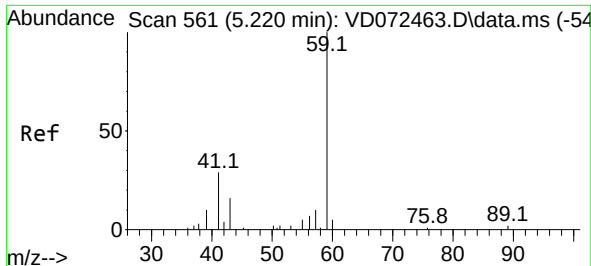
Tgt Ion:168 Resp: 567875
Ion Ratio Lower Upper
168 100
99 59.2 49.8 74.6



#10
Methyl Iodide
Concen: 3.812 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion:142 Resp: 530
Ion Ratio Lower Upper
142 100
127 26.2 37.3 55.9#
141 27.5 11.7 17.5#





#11

Tert butyl alcohol

Concen: 78.277 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.035 min

Lab File: VD072636.D

Acq: 19 Apr 2022 20:36

Instrument :

MSVOA_D

ClientSampleId :

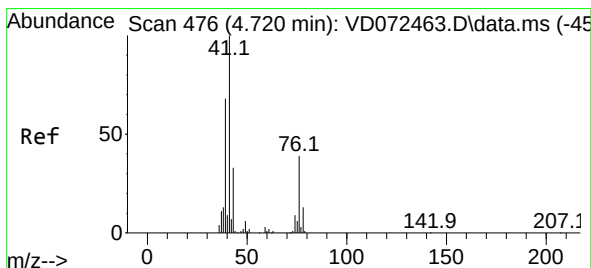
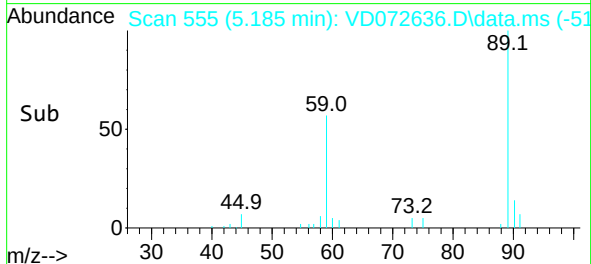
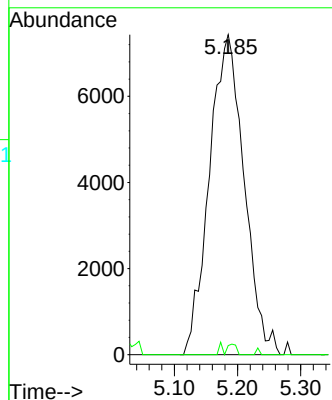
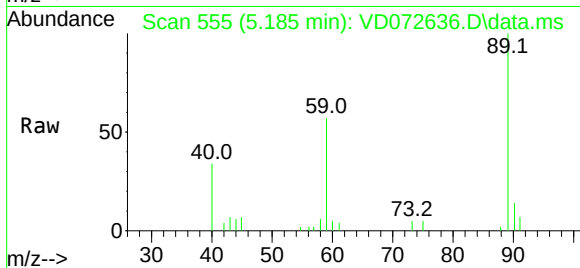
VIBLK

Tgt Ion: 59 Resp: 28397

Ion Ratio Lower Upper

59 100

57 0.8 7.8 11.6#



#14

Allyl chloride

Concen: 1.145 ug/l

RT: 4.779 min Scan# 486

Delta R.T. 0.059 min

Lab File: VD072636.D

Acq: 19 Apr 2022 20:36

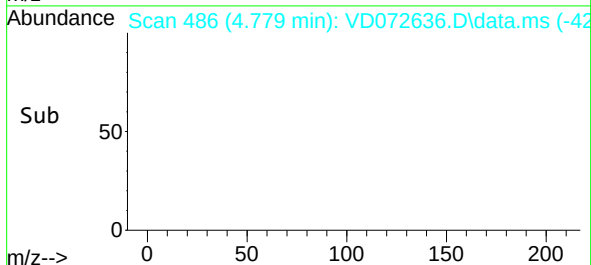
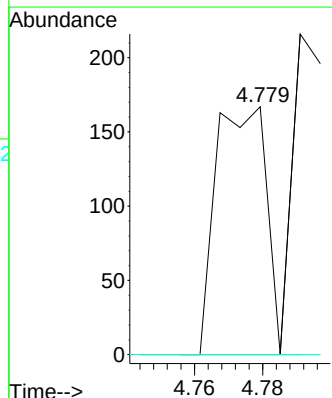
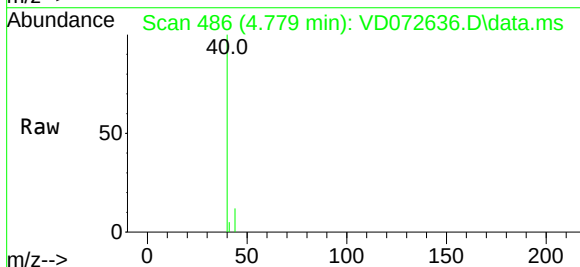
Tgt Ion: 41 Resp: 170

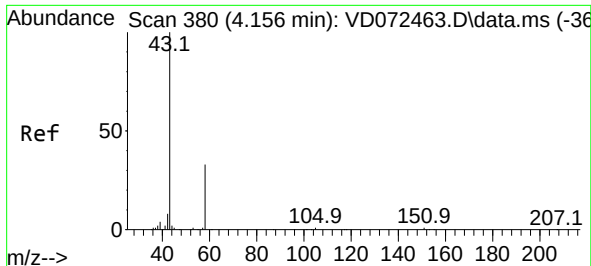
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

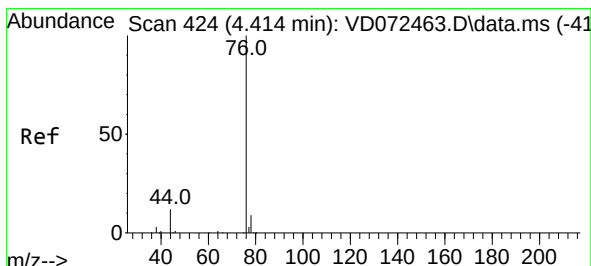
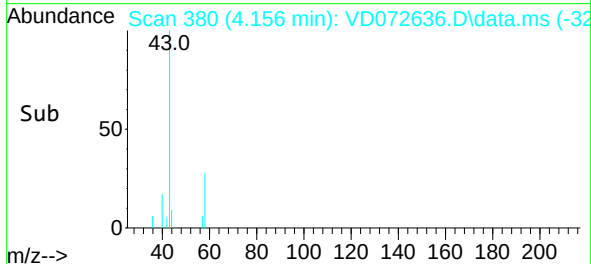
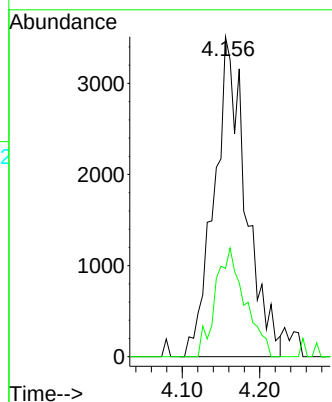
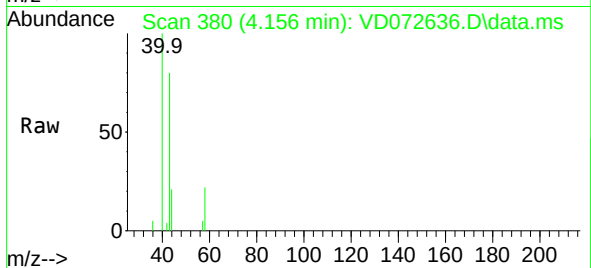




#16
Acetone
Concen: 7.808 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

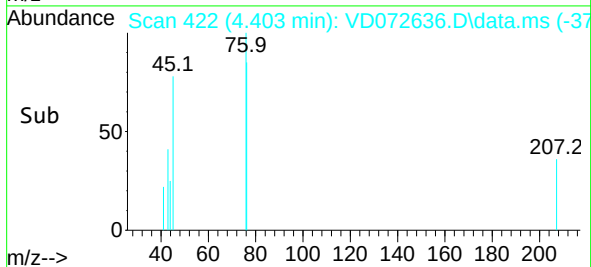
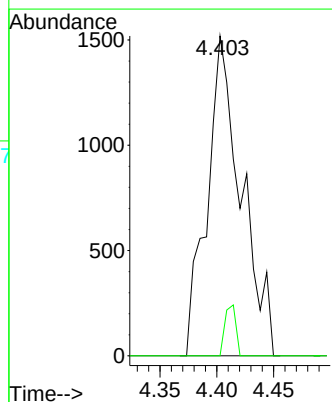
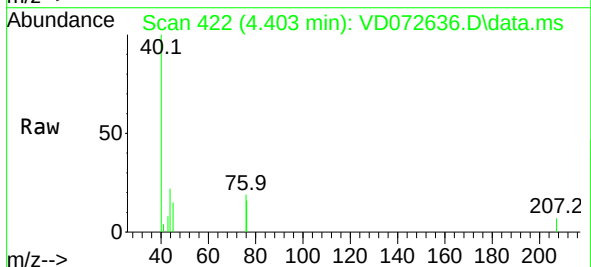
Instrument :
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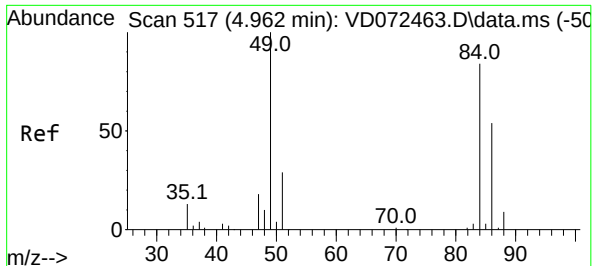
Tgt Ion: 43 Resp: 10001
Ion Ratio Lower Upper
43 100
58 27.6 22.1 33.1



#17
Carbon Disulfide
Concen: 3.893 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.011 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion: 76 Resp: 3184
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

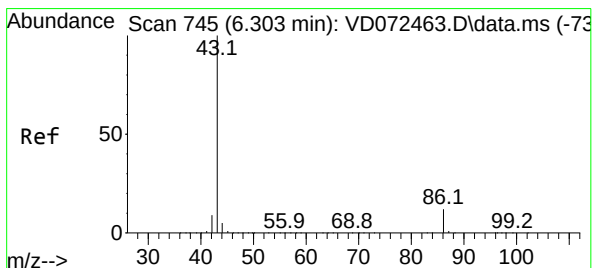
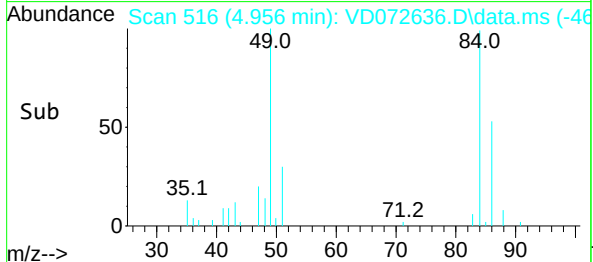
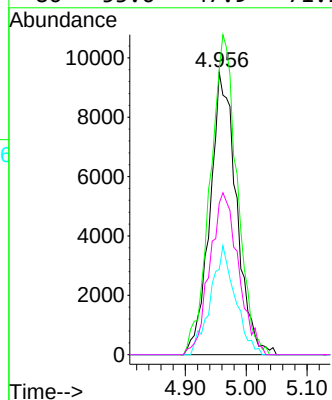
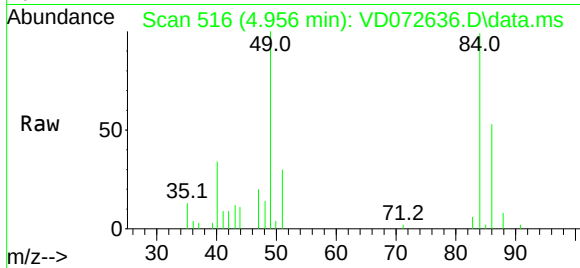




#20
Methylene Chloride
Concen: 3.760 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

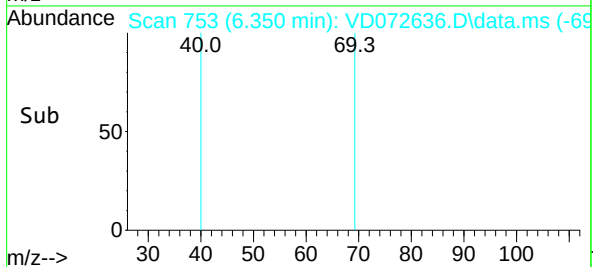
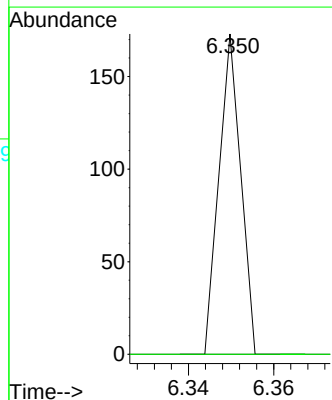
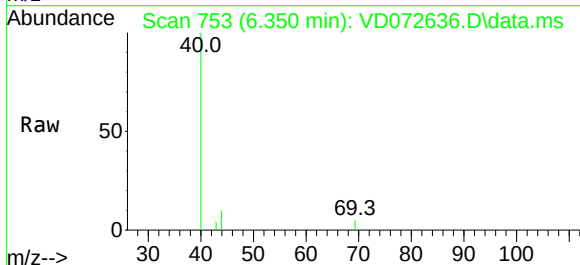
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

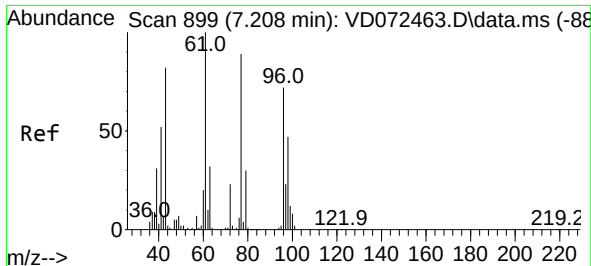
Tgt Ion:	84	Resp:	28671
Ion	Ratio	Lower	Upper
84	100		
49	100.7	112.8	169.2#
51	30.2	32.6	48.8#
86	53.6	47.9	71.9



#23
Vinyl Acetate
Concen: 6.294 ug/l
RT: 6.350 min Scan# 753
Delta R.T. 0.047 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion:	43	Resp:	61
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#

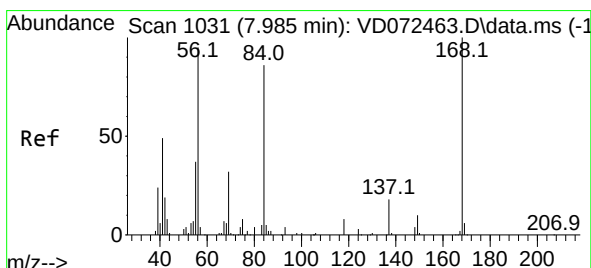
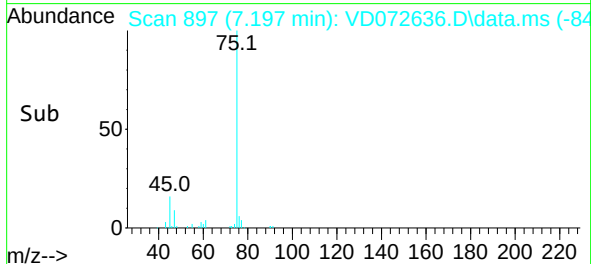
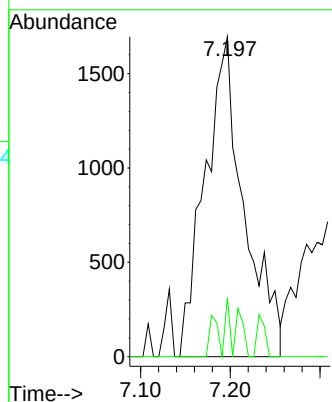
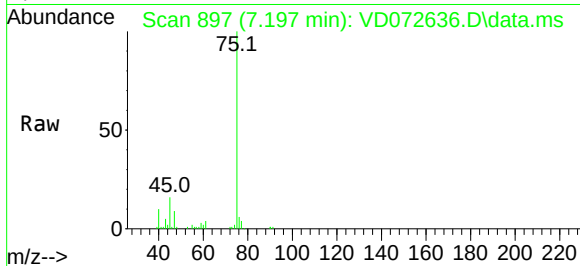




#25
2-Butanone
Concen: 2.900 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.012 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

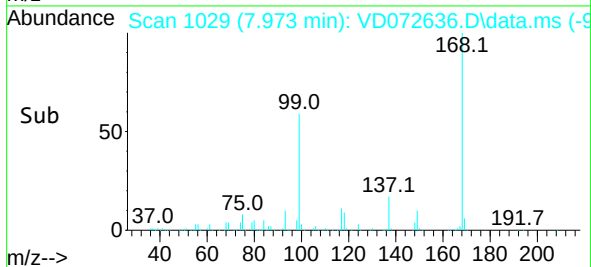
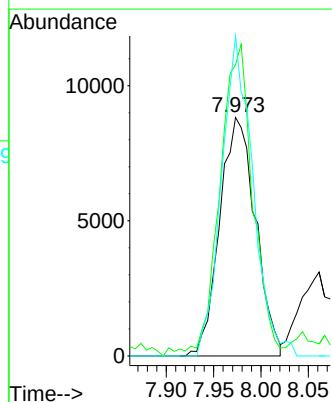
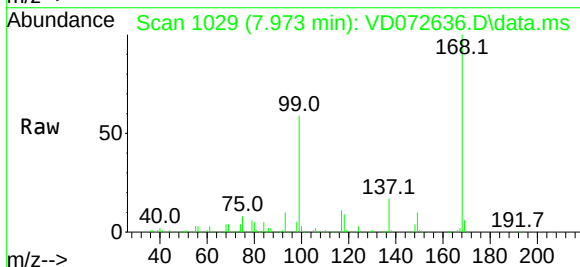
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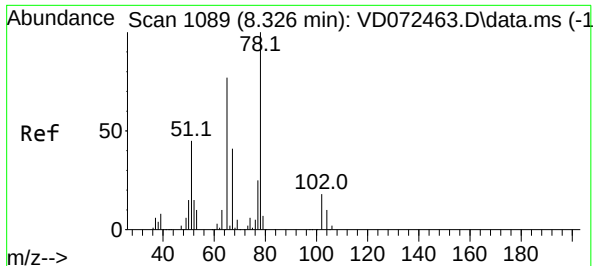
Tgt Ion: 43 Resp: 5138
Ion Ratio Lower Upper
43 100
72 18.4 18.6 27.8#



#31
Cyclohexane
Concen: 2.579 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion: 56 Resp: 23166
Ion Ratio Lower Upper
56 100
69 119.1 25.4 38.2#
84 134.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 41.649 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD072636.D

Acq: 19 Apr 2022 20:36

Instrument :

MSVOA_D

ClientSampleId :

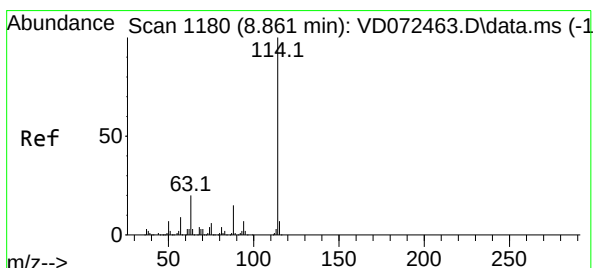
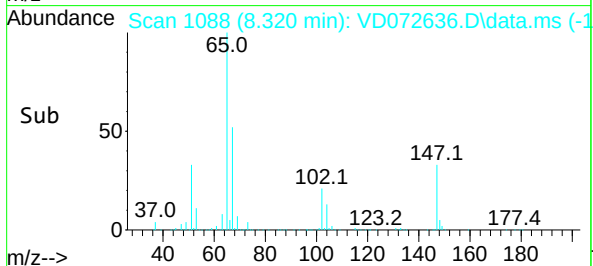
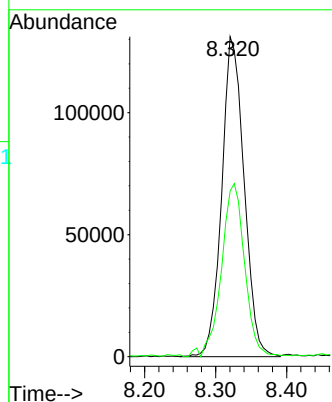
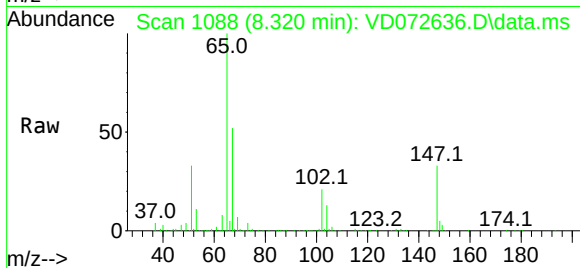
VIBLK

Tgt Ion: 65 Resp: 286112

Ion Ratio Lower Upper

65 100

67 56.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072636.D

Acq: 19 Apr 2022 20:36

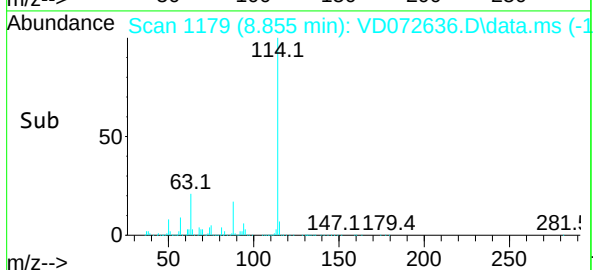
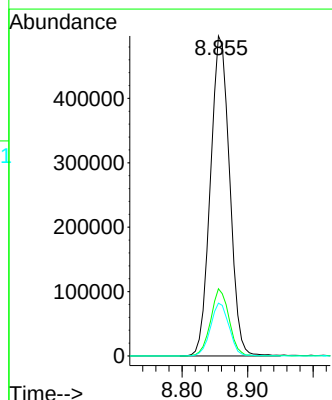
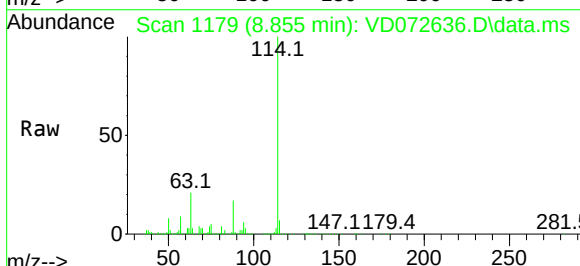
Tgt Ion: 114 Resp: 1010656

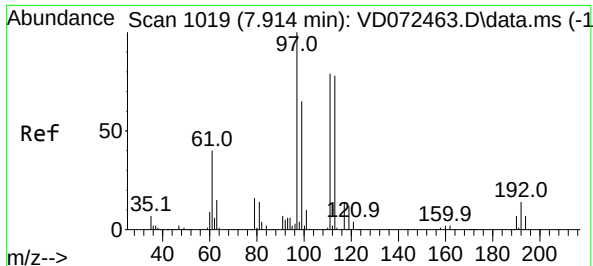
Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 16.5 0.0 33.2

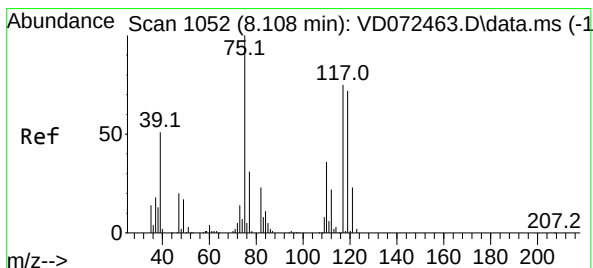
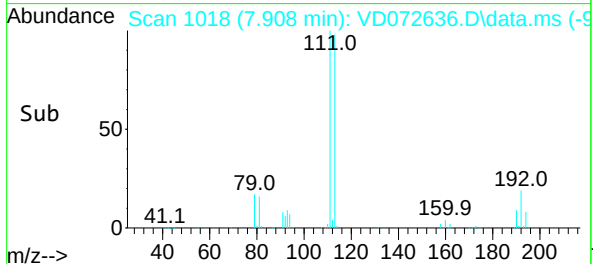
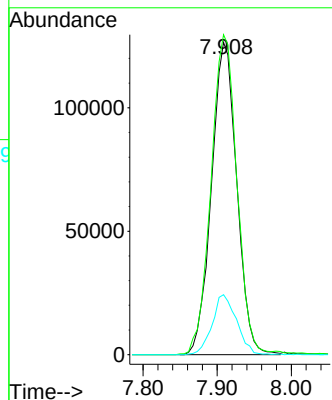
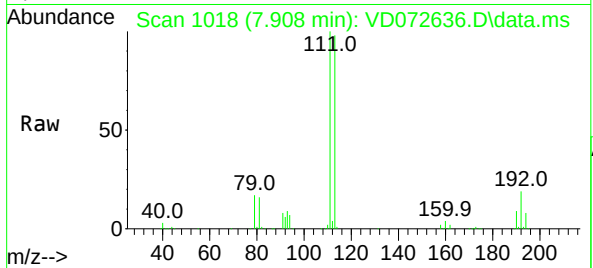




#35
Dibromofluoromethane
Concen: 38.223 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

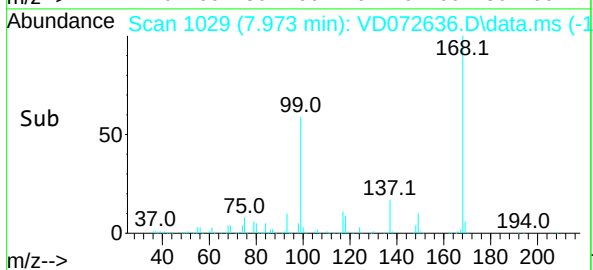
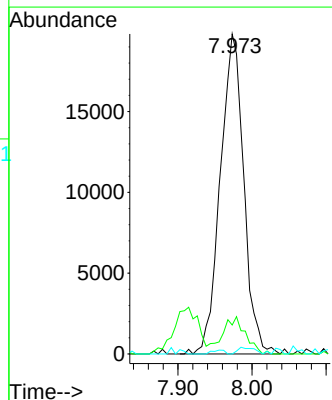
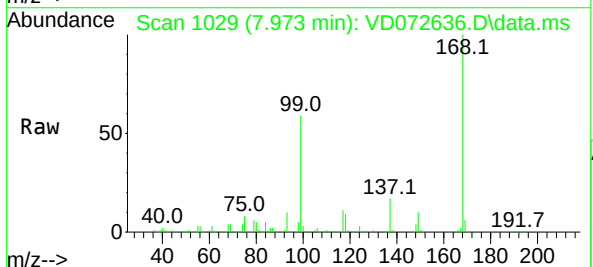
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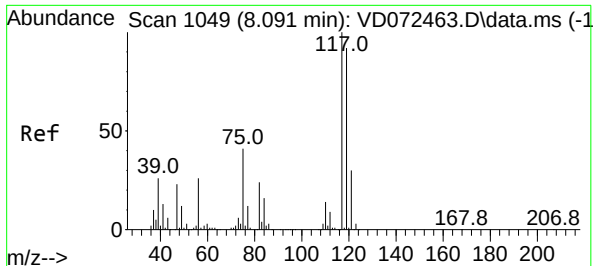
Tgt Ion:113 Resp: 300209
Ion Ratio Lower Upper
113 100
111 105.4 83.8 125.6
192 18.6 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.360 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion: 75 Resp: 43497
Ion Ratio Lower Upper
75 100
110 11.0 16.4 49.1#
77 1.4 24.2 36.2#

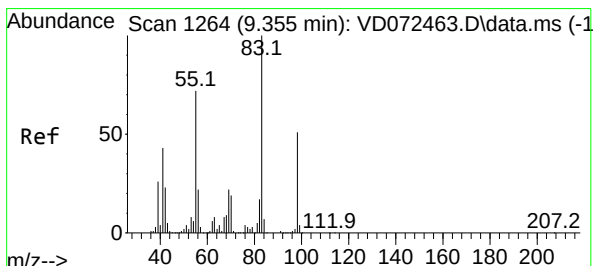
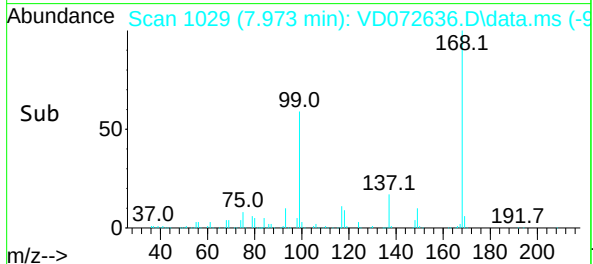
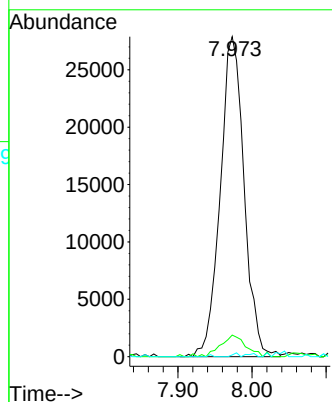
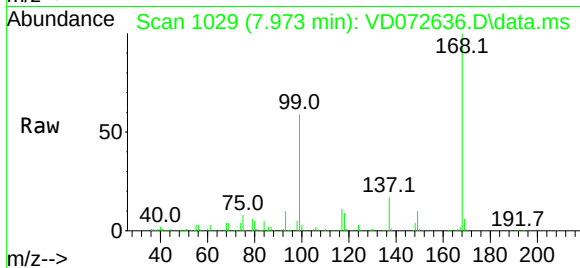




#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

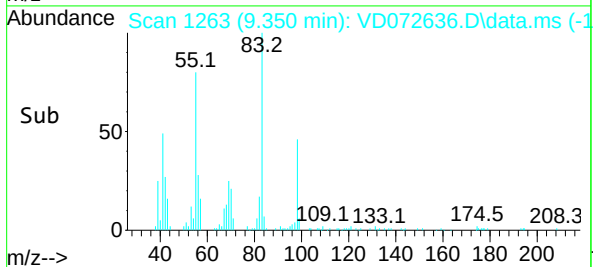
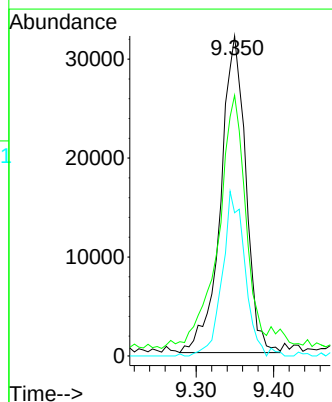
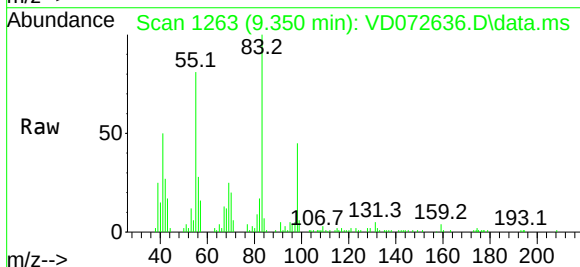
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

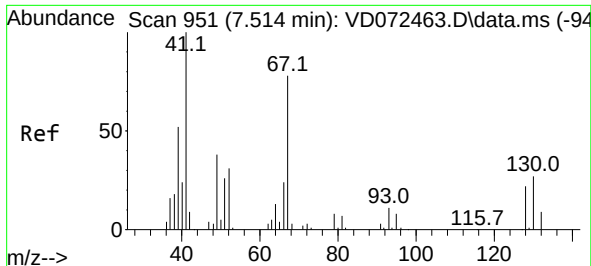
Tgt Ion:117 Resp: 62335
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.6#
121 0.6 24.5 36.7#



#39
Methylcyclohexane
Concen: 8.720 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion: 83 Resp: 72478
Ion Ratio Lower Upper
83 100
55 77.8 63.2 94.8
98 44.6 38.2 57.4

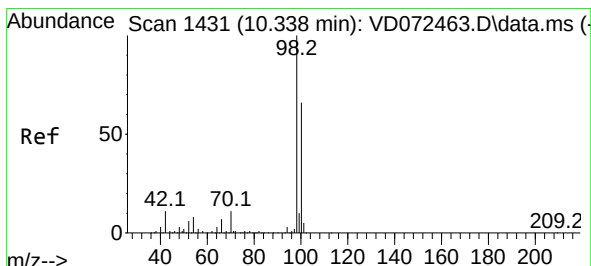
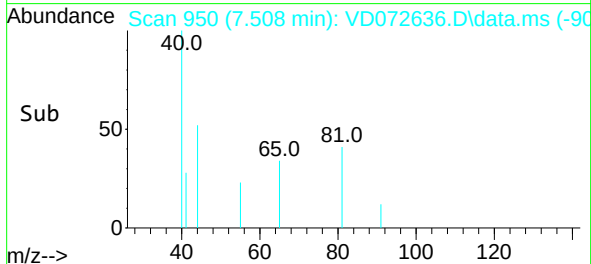
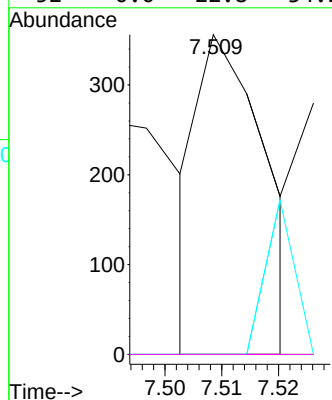
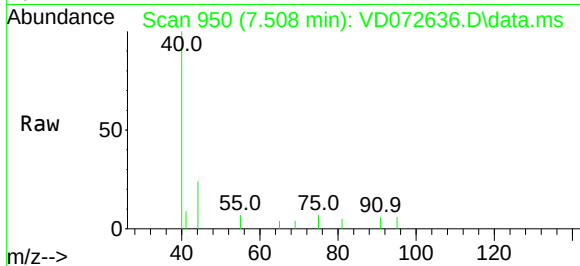




#41
Methacrylonitrile
Concen: 1.773 ug/l
RT: 7.508 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

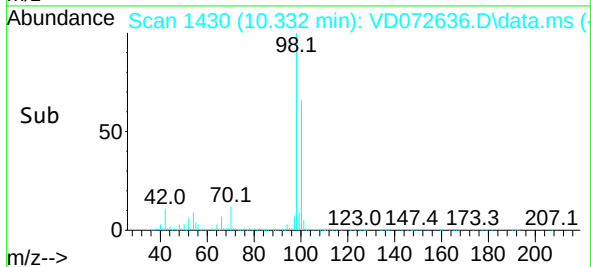
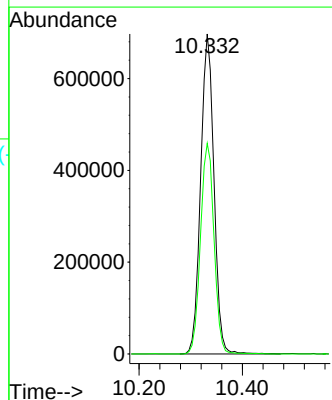
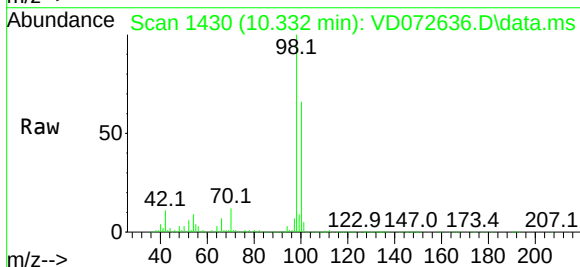
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

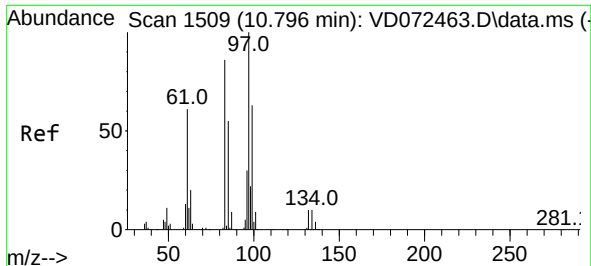
Tgt Ion: 41	Resp: 290
Ion Ratio	Lower Upper
41	100
39	0.0 44.6 67.0#
67	21.0 48.2 72.4#
52	0.0 22.8 34.2#



#50
Toluene-d8
Concen: 45.549 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion: 98	Resp: 1243570
Ion Ratio	Lower Upper
98	100
100	67.0 52.4 78.6

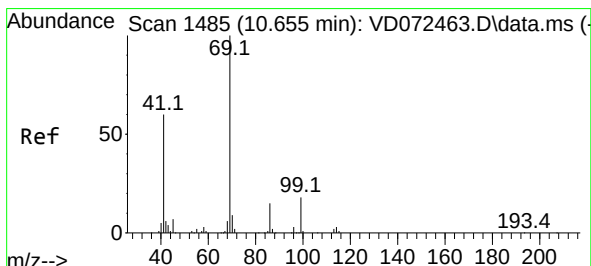
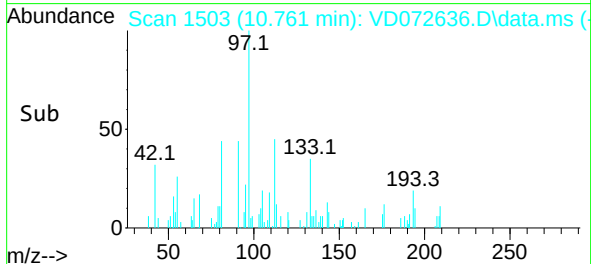
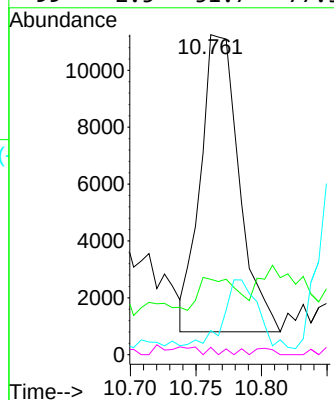
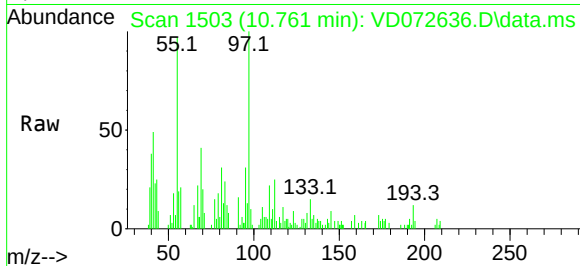




#55
1,1,2-Trichloroethane
Concen: 3.539 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.035 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

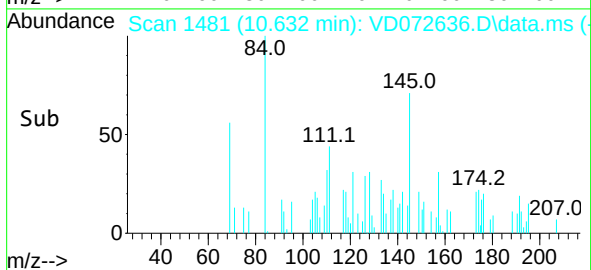
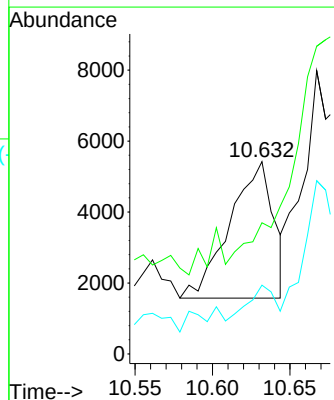
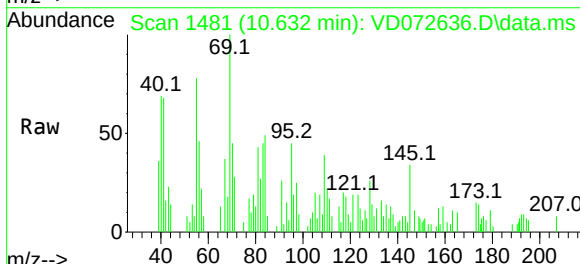
Instrument : MSVOA_D
ClientSampleId : VIBLK

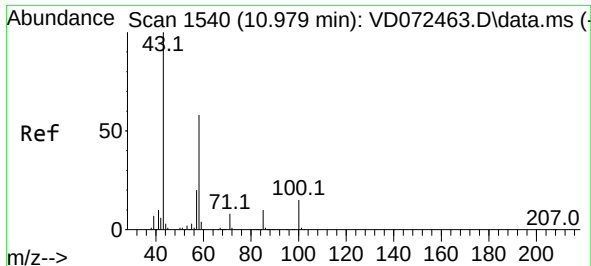
Tgt Ion: 97	Resp: 21479
Ion Ratio	Lower Upper
97 100	
83 9.4	69.0 103.4#
85 5.1	42.6 63.8#
99 2.5	51.7 77.5#



#56
Ethyl methacrylate
Concen: 2.182 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion: 69	Resp: 7580
Ion Ratio	Lower Upper
69 100	
41 0.0	63.0 94.6#
39 22.0	33.8 50.8#

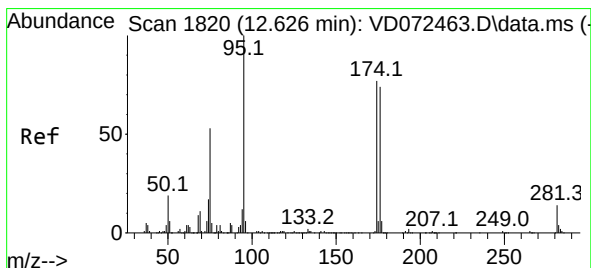
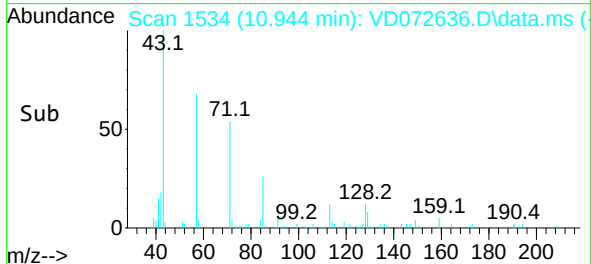
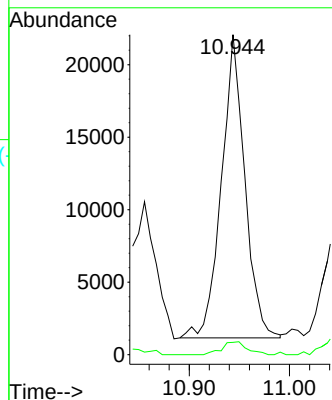
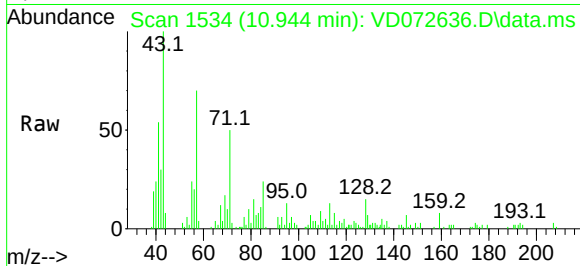




#59
2-Hexanone
Concen: 11.641 ug/l
RT: 10.944 min Scan# 11
Delta R.T. -0.035 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

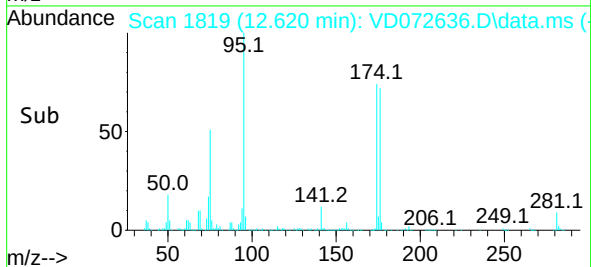
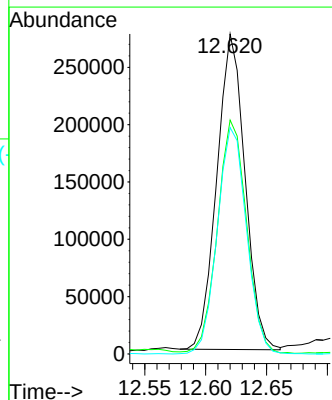
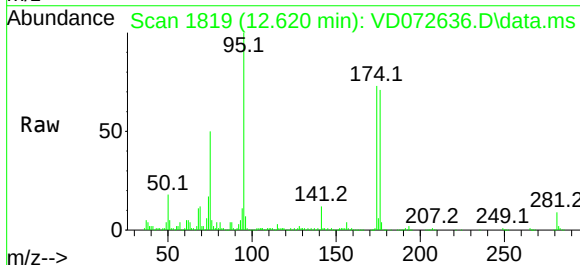
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

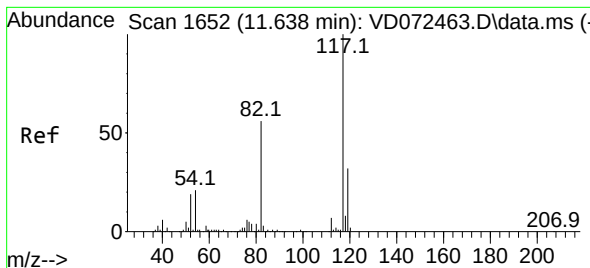
Tgt Ion: 43 Resp: 33909
Ion Ratio Lower Upper
43 100
58 4.6 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 41.589 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion: 95 Resp: 443444
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 74.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD072636.D

Acq: 19 Apr 2022 20:36

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

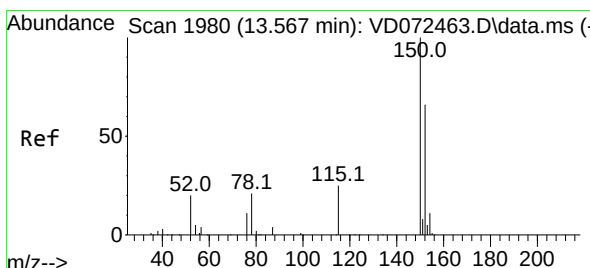
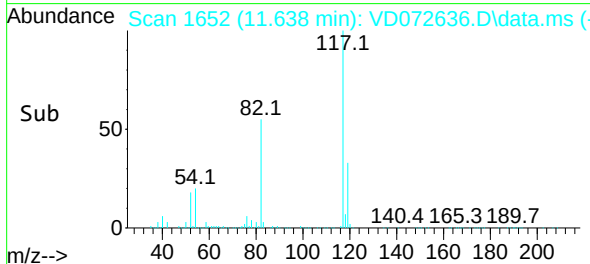
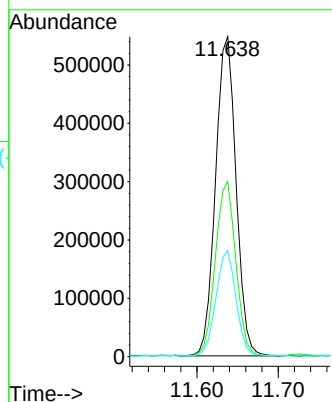
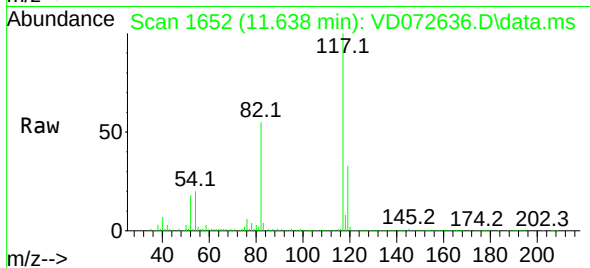
Tgt Ion:117 Resp: 961081

Ion Ratio Lower Upper

117 100

82 54.6 45.3 67.9

119 33.0 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.006 min

Lab File: VD072636.D

Acq: 19 Apr 2022 20:36

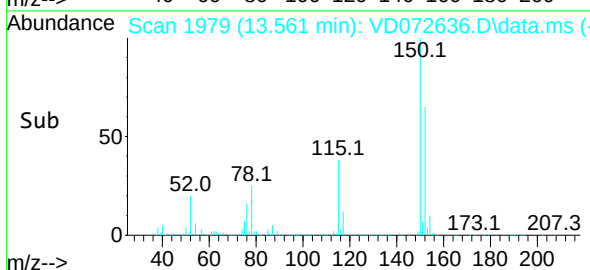
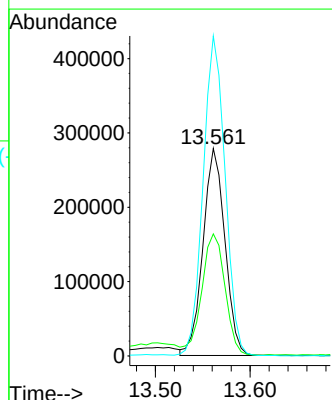
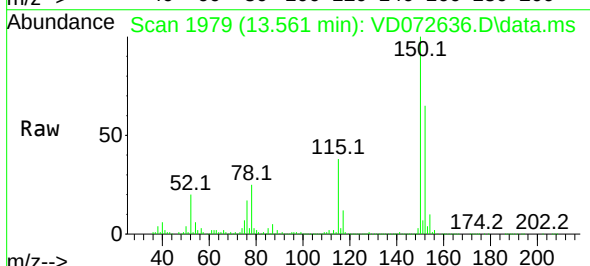
Tgt Ion:152 Resp: 447877

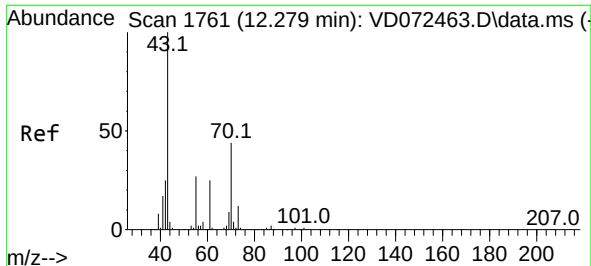
Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.8

150 155.1 0.0 348.6



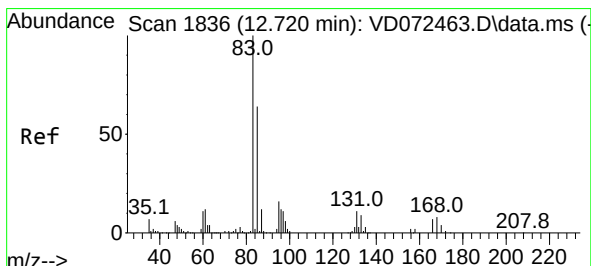
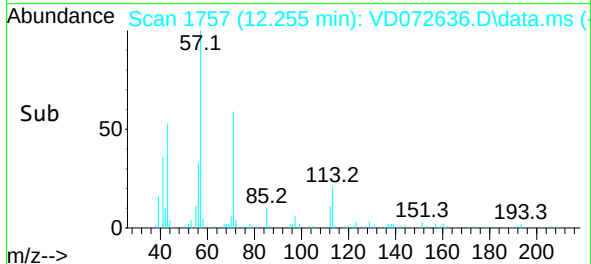
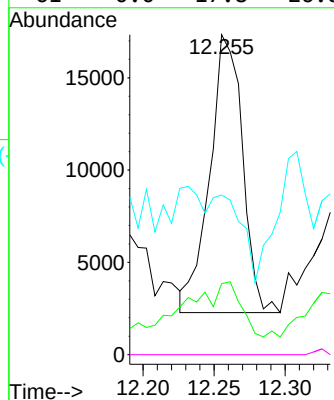
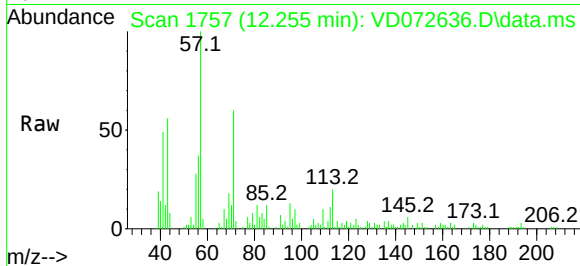


#74
N-amy1 acetate
Concen: 3.175 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 24096

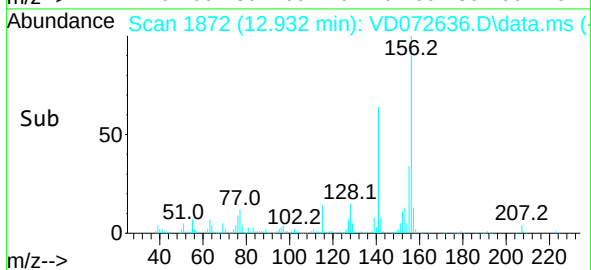
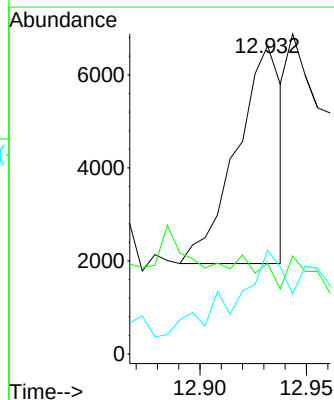
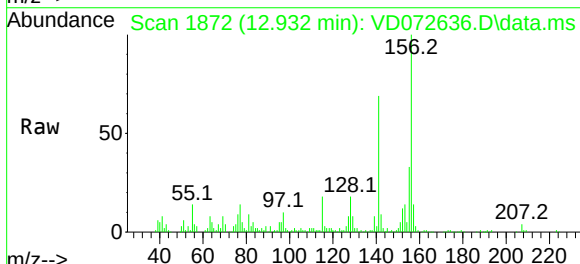
Ion	Ratio	Lower	Upper
43	100		
70	31.9	31.3	46.9
55	0.0	20.0	30.0#
61	0.0	17.8	26.8#

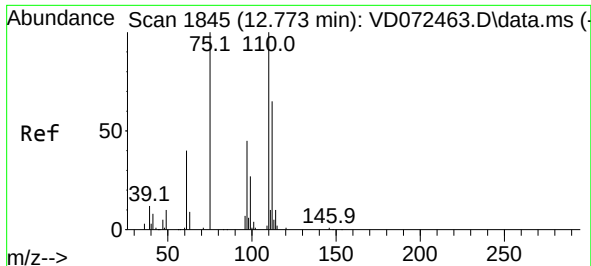


#75
1,1,2,2-Tetrachloroethane
Concen: 1.004 ug/l
RT: 12.932 min Scan# 1872
Delta R.T. 0.212 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion: 83 Resp: 6879

Ion	Ratio	Lower	Upper
83	100		
131	9.0	5.0	14.9
85	46.3	32.6	98.0

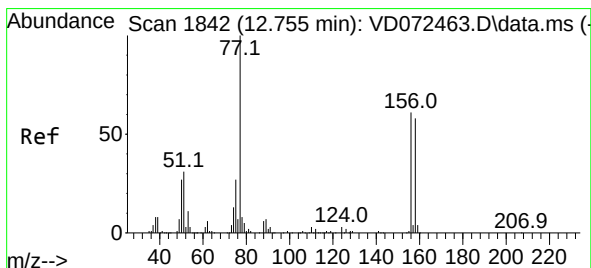
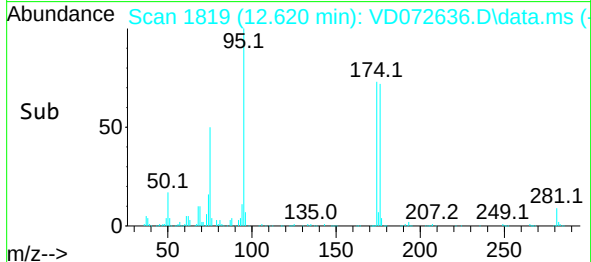
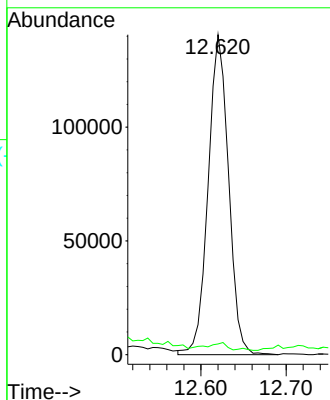
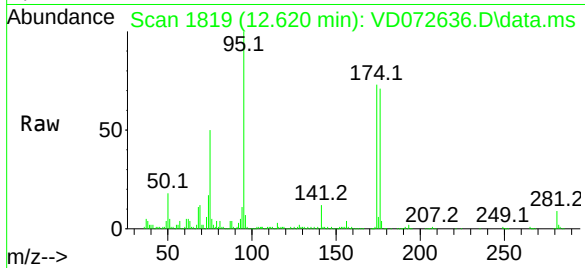




#76
1,2,3-Trichloropropane
Concen: 47.948 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

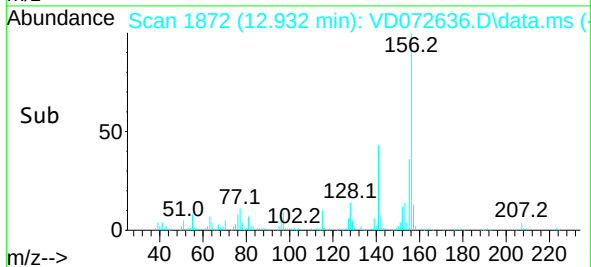
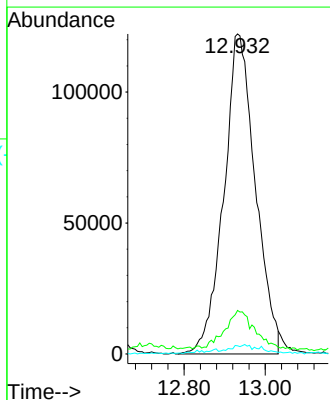
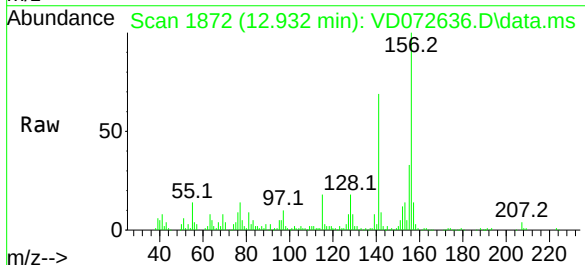
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

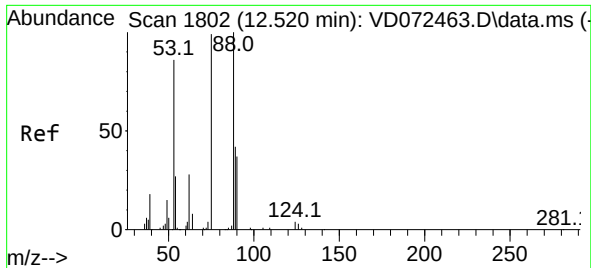
Tgt Ion: 75 Resp: 234220
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#77
Bromobenzene
Concen: 81.297 ug/l
RT: 12.932 min Scan# 1872
Delta R.T. 0.177 min
Lab File: VD072636.D
Acq: 19 Apr 2022 20:36

Tgt Ion:156 Resp: 659100
Ion Ratio Lower Upper
156 100
77 10.6 102.8 308.3#
158 0.5 48.7 146.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.867 ug/l
 RT: 12.502 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VD072636.D
 Acq: 19 Apr 2022 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 9688
 Ion Ratio Lower Upper
 75 100
 53 13.0 86.5 129.7#
 89 136.3 33.9 50.9#

