

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073570.D
 Acq On : 14 Jun 2022 15:32
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

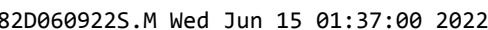
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

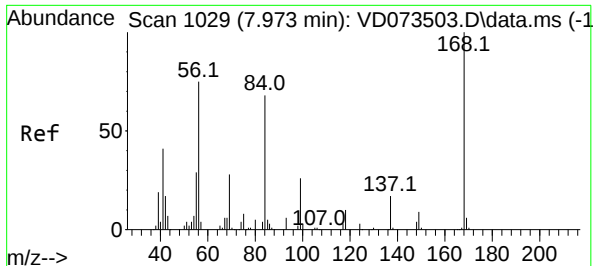
Quant Time: Jun 15 01:36:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	229458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	429363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	578973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	324527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	116784	47.427	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.860%
35) Dibromofluoromethane	7.908	113	137607	49.840	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.680%
50) Toluene-d8	10.332	98	589501	56.472	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.940%
62) 4-Bromofluorobenzene	12.620	95	300630	79.330	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	158.660%#
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	401	4.303	ug/l #	55
11) Tert butyl alcohol	5.173	59	14059	Below Cal	#	74
15) Acrylonitrile	5.473	53	555	1.047	ug/l #	17
16) Acetone	4.156	43	2168	5.000	ug/l	96
18) Methyl Acetate	4.950	43	4396	4.867	ug/l #	55
20) Methylene Chloride	4.962	84	21044	4.792	ug/l	86
25) 2-Butanone	7.197	43	2298	3.602	ug/l #	52
31) Cyclohexane	7.967	56	7003	1.688	ug/l #	17
36) 1,1-Dichloropropene	7.973	75	18477	4.456	ug/l #	54
37) Ethyl Acetate	7.197	43	2298	1.372	ug/l #	1
38) Carbon Tetrachloride	7.967	117	25057	5.776	ug/l #	19
39) Methylcyclohexane	9.350	83	27812	5.755	ug/l	98
43) Isopropyl Acetate	8.450	43	4733	1.469	ug/l #	54
51) 4-Methyl-2-Pentanone	10.226	43	2055	1.260	ug/l #	39
55) 1,1,2-Trichloroethane	10.761	97	11277	4.697	ug/l #	19
59) 2-Hexanone	10.944	43	12045	10.785	ug/l #	28
74) N-amyl acetate	12.261	43	6479	1.295	ug/l #	67
76) 1,2,3-Trichloropropane	12.620	75	150160	47.630	ug/l #	100
77) Bromobenzene	12.932	156	10508	1.913	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	150160	111.795	ug/l #	7
95) Naphthalene	15.396	128	597	4.250	ug/l #	77

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

Quant Time: Jun 15 01:36:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration

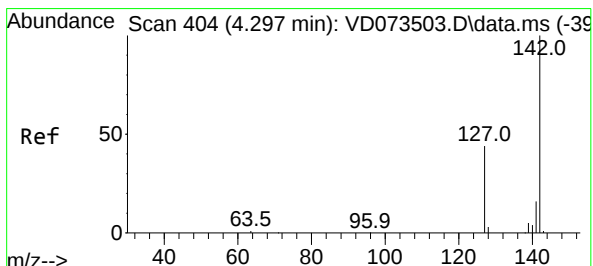
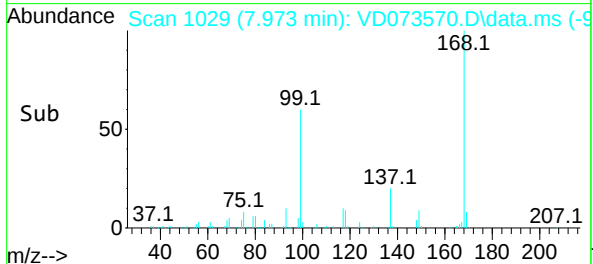
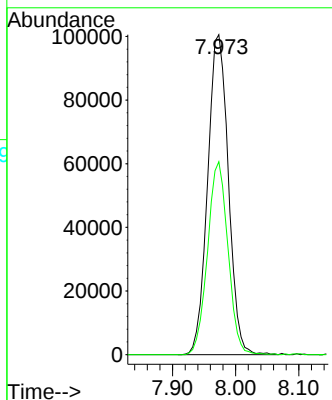
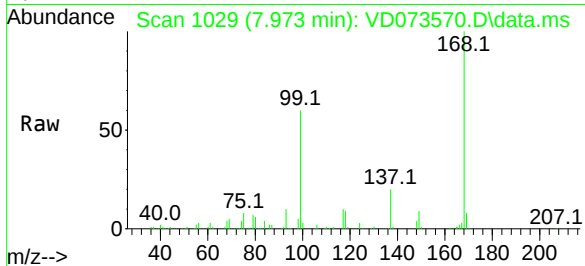




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

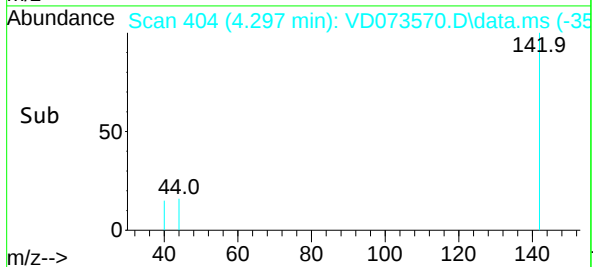
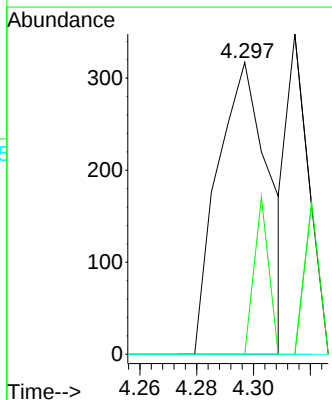
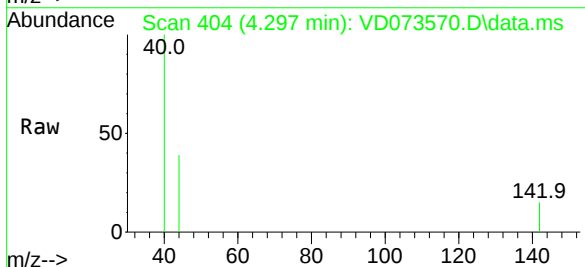
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

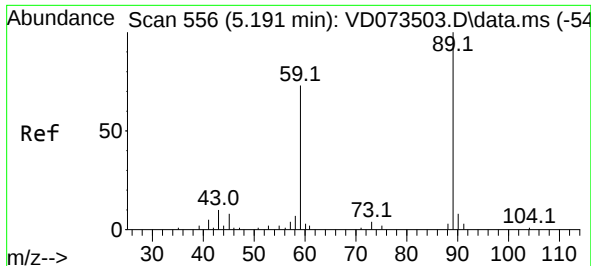
Tgt Ion:168 Resp: 229458
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#10
Methyl Iodide
Concen: 4.303 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion:142 Resp: 401
Ion Ratio Lower Upper
142 100
127 15.0 37.3 55.9#
141 0.0 11.7 17.5#

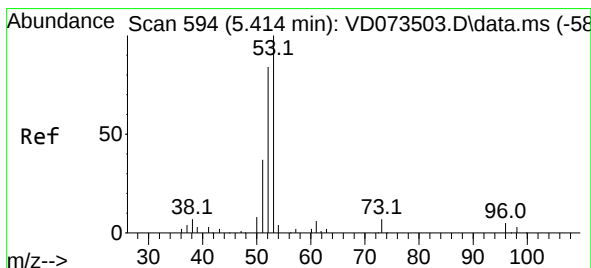
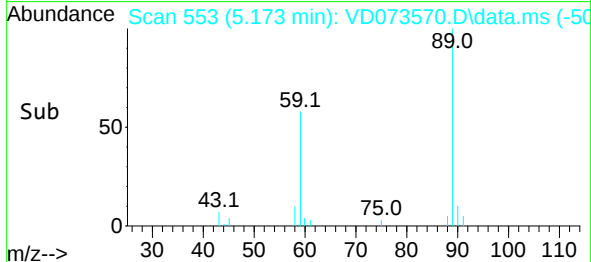
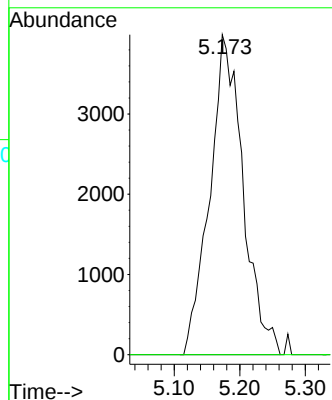
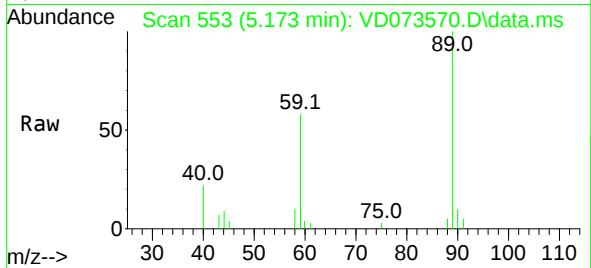




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 511
Delta R.T. -0.018 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

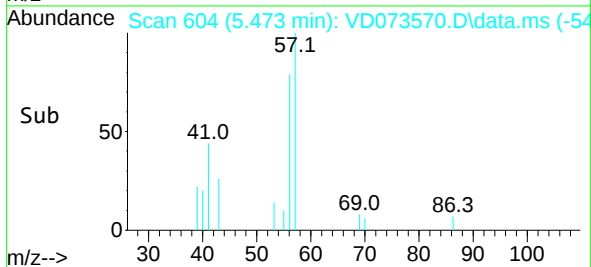
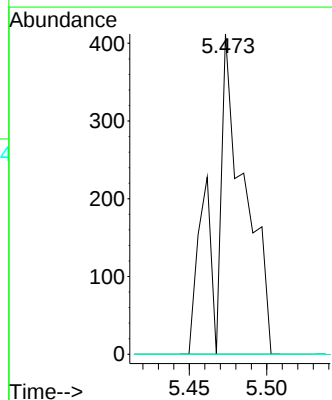
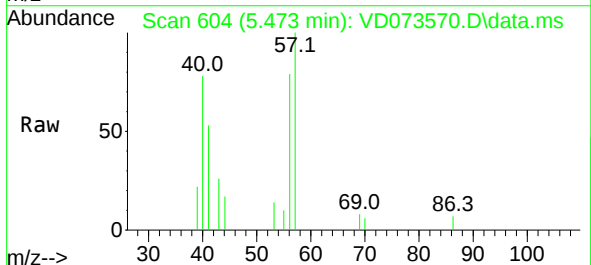
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

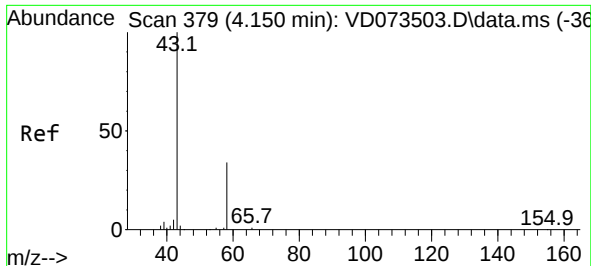
Tgt Ion: 59 Resp: 14059
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#15
Acrylonitrile
Concen: 1.047 ug/l
RT: 5.473 min Scan# 604
Delta R.T. 0.059 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion: 53 Resp: 555
Ion Ratio Lower Upper
53 100
52 0.0 67.2 100.8#
51 0.0 30.3 45.5#

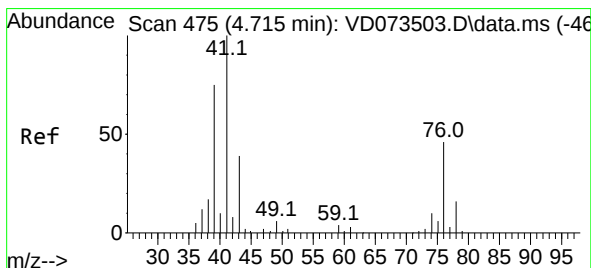
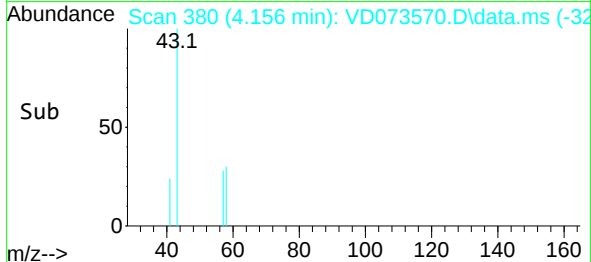
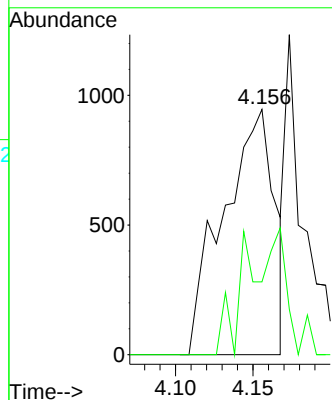
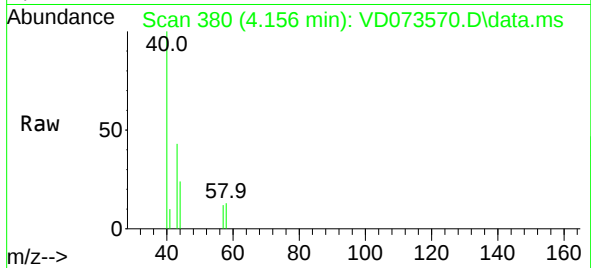




#16
Acetone
Concen: 5.000 ug/l
RT: 4.156 min Scan# 311
Delta R.T. 0.006 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

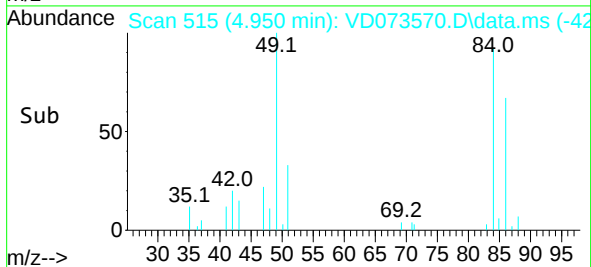
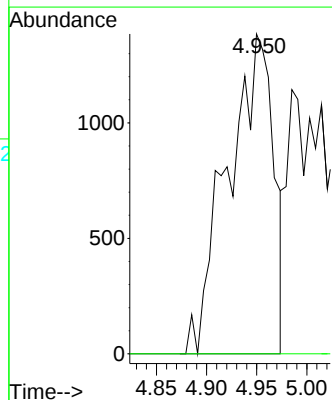
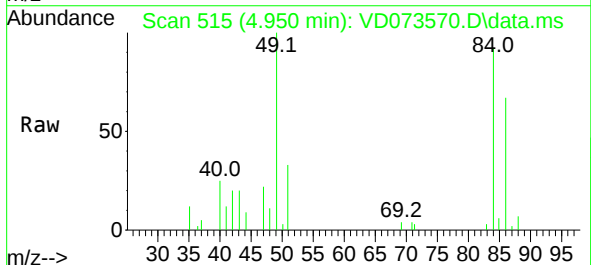
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

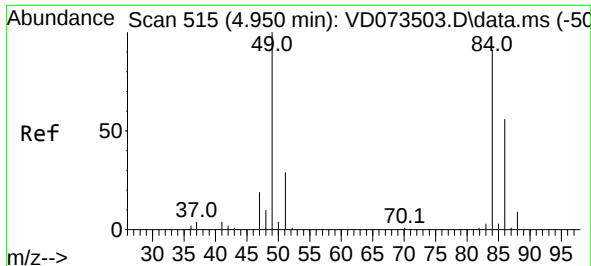
Tgt Ion: 43 Resp: 2168
Ion Ratio Lower Upper
43 100
58 29.7 22.1 33.1



#18
Methyl Acetate
Concen: 4.867 ug/l
RT: 4.950 min Scan# 515
Delta R.T. 0.235 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion: 43 Resp: 4396
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

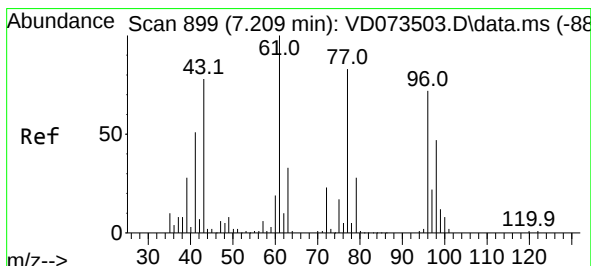
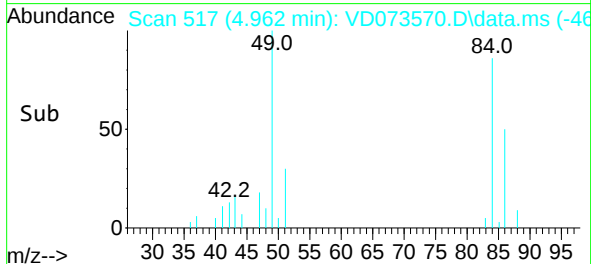
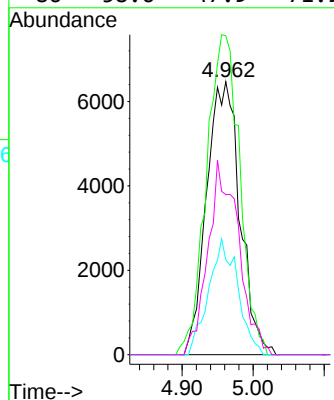
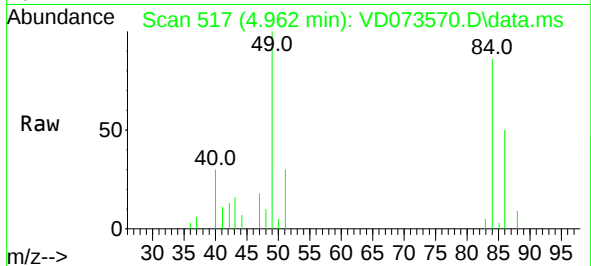




#20
Methylene Chloride
Concen: 4.792 ug/l
RT: 4.962 min Scan# 515
Delta R.T. 0.012 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

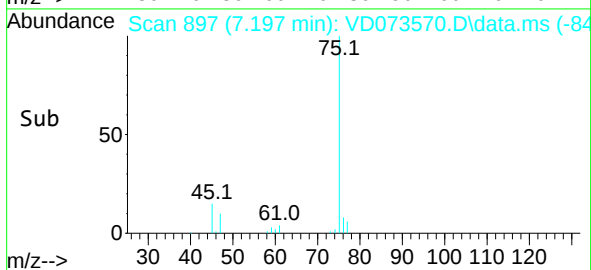
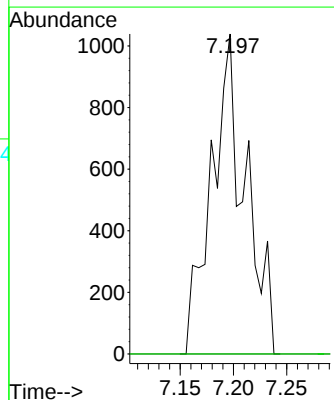
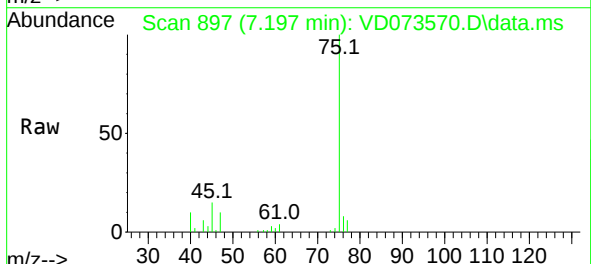
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

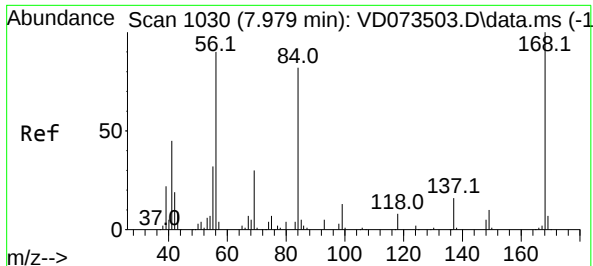
Tgt Ion:	84	Resp:	21044
Ion	Ratio	Lower	Upper
84	100		
49	116.8	112.8	169.2
51	34.7	32.6	48.8
86	58.6	47.9	71.9



#25
2-Butanone
Concen: 3.602 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion:	43	Resp:	2298
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

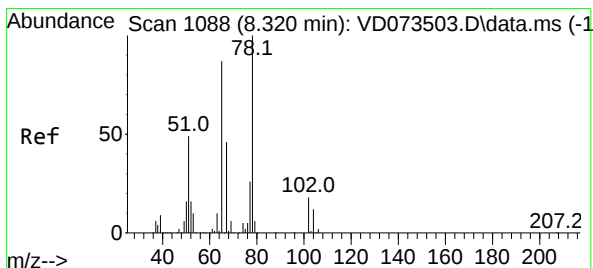
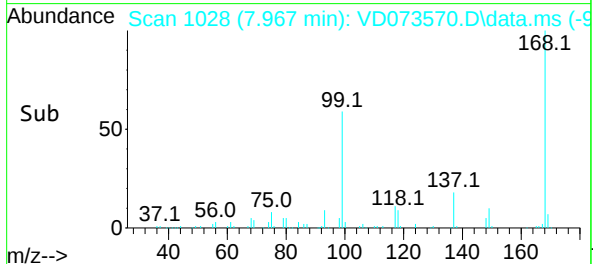
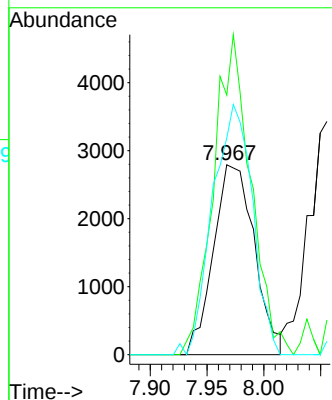
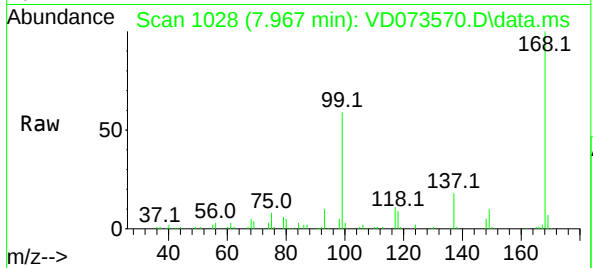




#31
Cyclohexane
Concen: 1.688 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

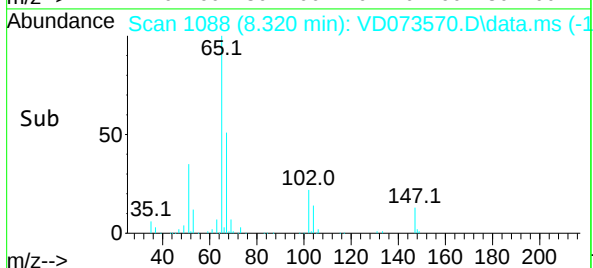
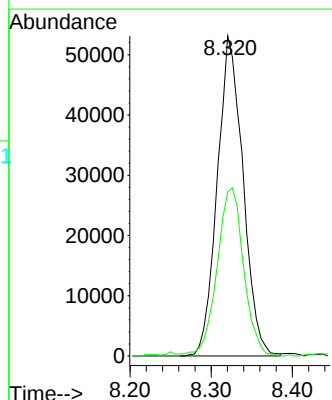
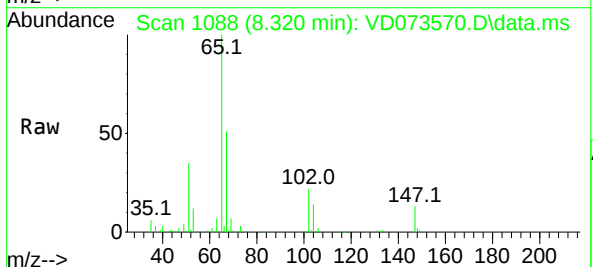
Instrument :
MSVOA_D
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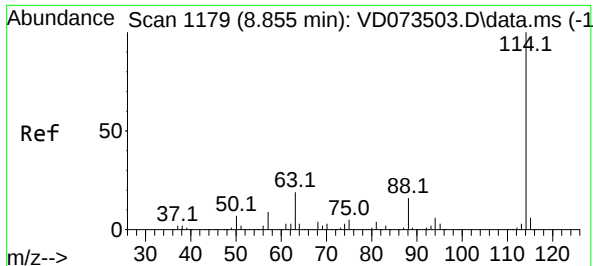
Tgt Ion: 56 Resp: 7003
Ion Ratio Lower Upper
56 100
69 136.7 25.4 38.2#
84 114.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 47.427 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion: 65 Resp: 116784
Ion Ratio Lower Upper
65 100
67 54.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073570.D

Acq: 14 Jun 2022 15:32

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

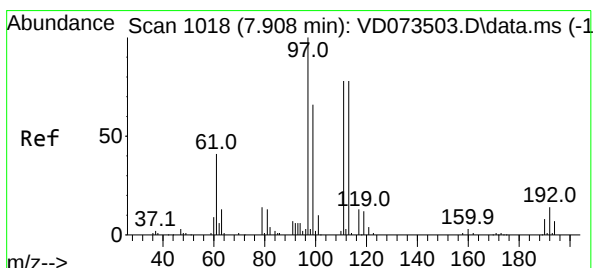
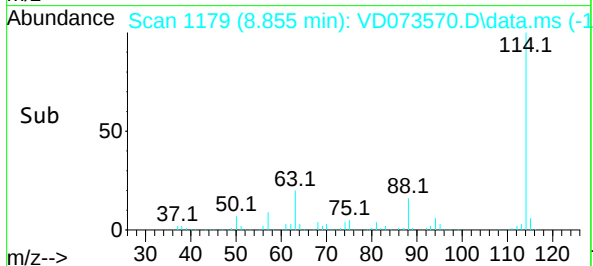
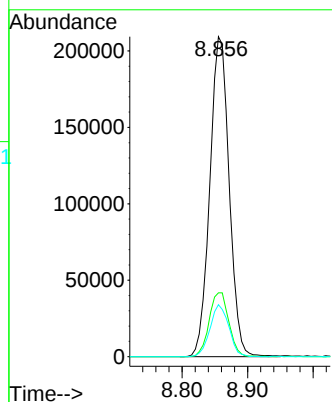
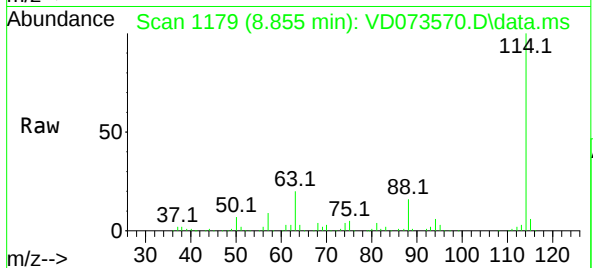
Tgt Ion:114 Resp: 429363

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.840 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073570.D

Acq: 14 Jun 2022 15:32

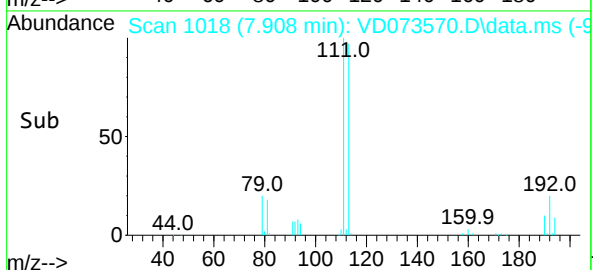
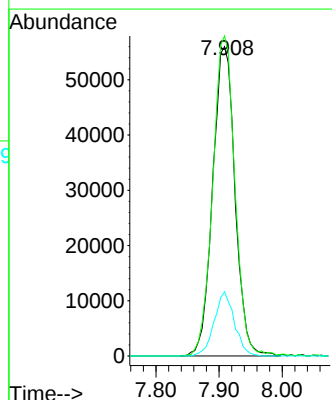
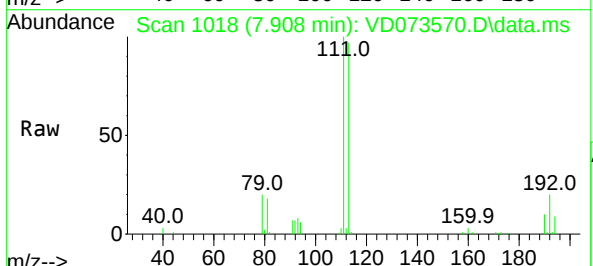
Tgt Ion:113 Resp: 137607

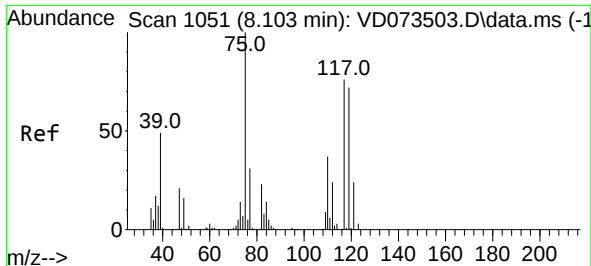
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.456 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.130 min

Lab File: VD073570.D

Acq: 14 Jun 2022 15:32

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

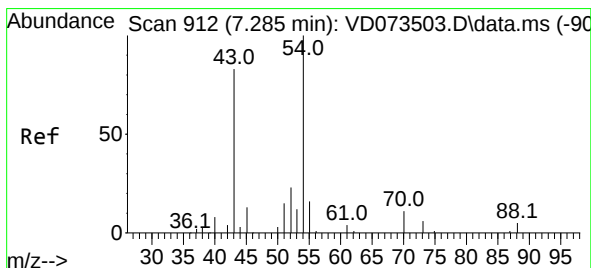
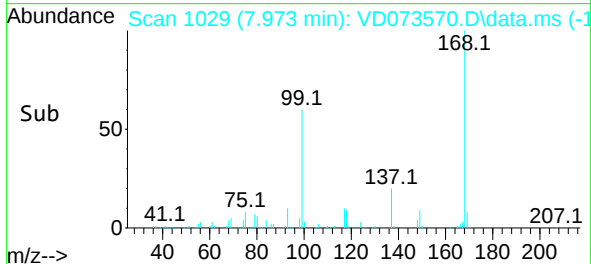
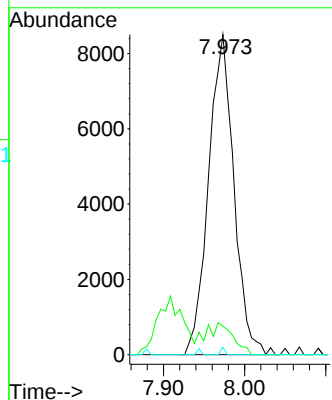
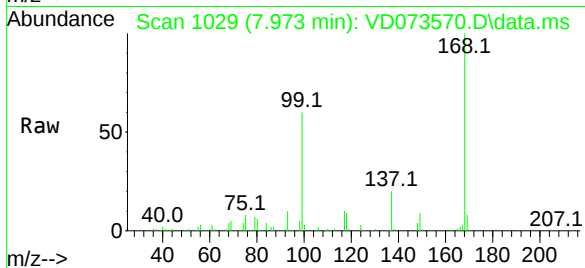
Tgt Ion: 75 Resp: 18477

Ion Ratio Lower Upper

75 100

110 10.9 16.4 49.1#

77 0.4 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.372 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.088 min

Lab File: VD073570.D

Acq: 14 Jun 2022 15:32

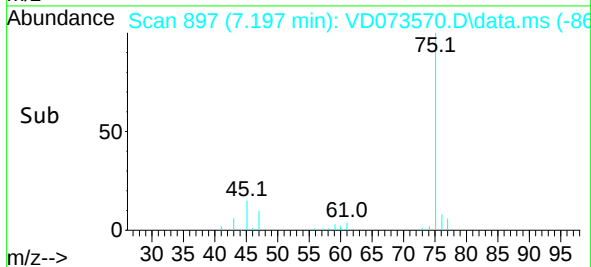
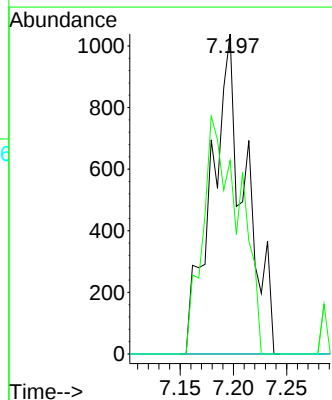
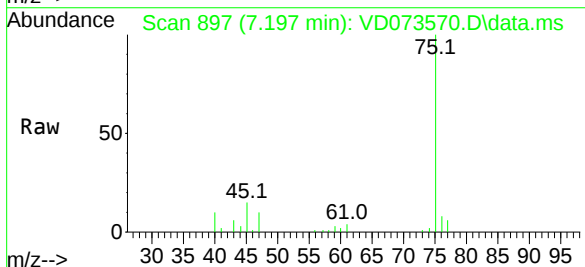
Tgt Ion: 43 Resp: 2298

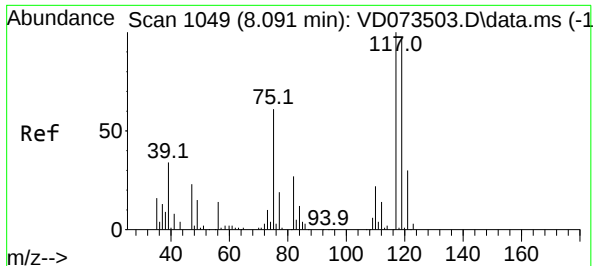
Ion Ratio Lower Upper

43 100

61 80.1 9.8 14.8#

70 0.0 6.9 10.3#

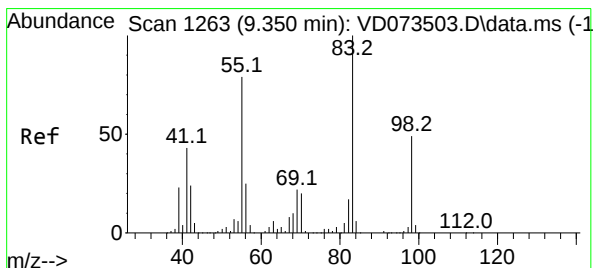
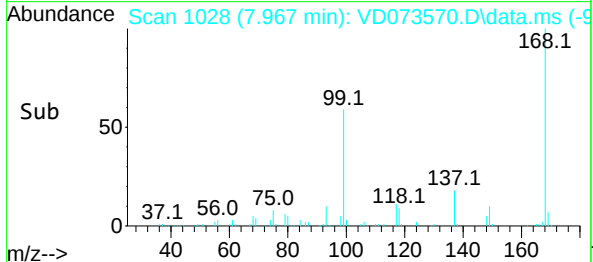
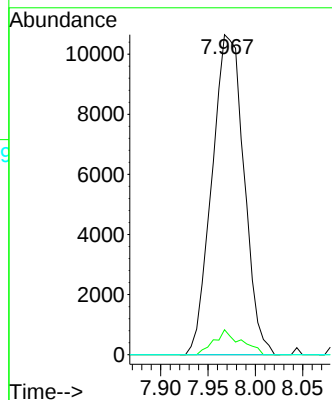
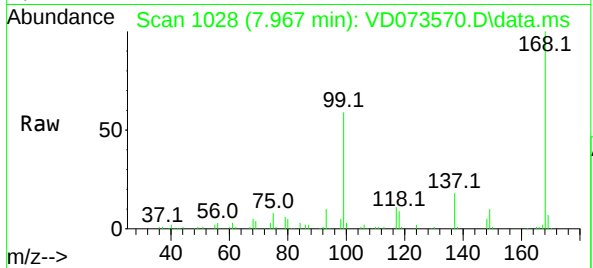




#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

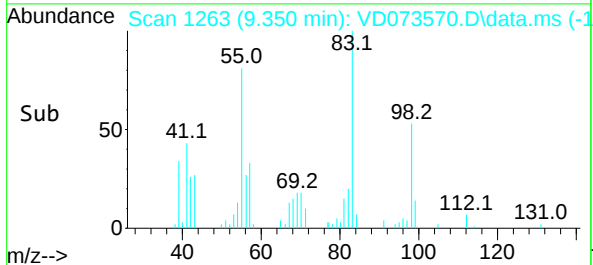
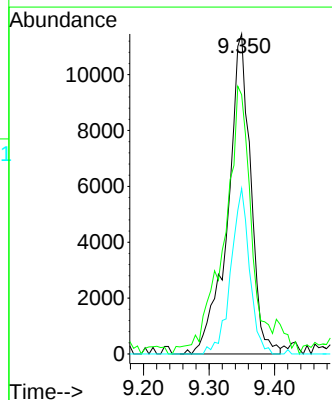
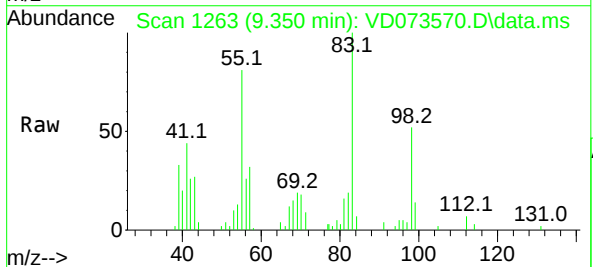
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

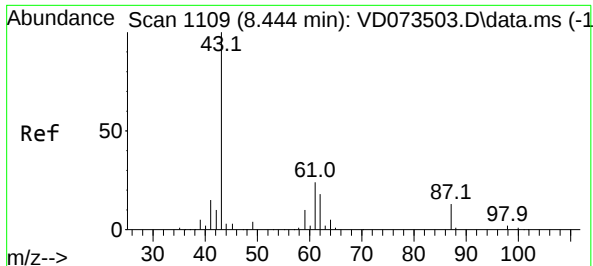
Tgt Ion:117 Resp: 25057
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 5.755 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion: 83 Resp: 27812
Ion Ratio Lower Upper
83 100
55 78.8 63.2 94.8
98 51.7 38.2 57.4

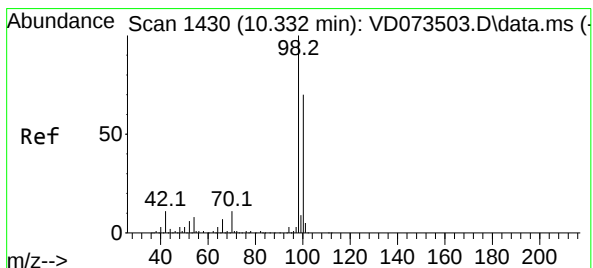
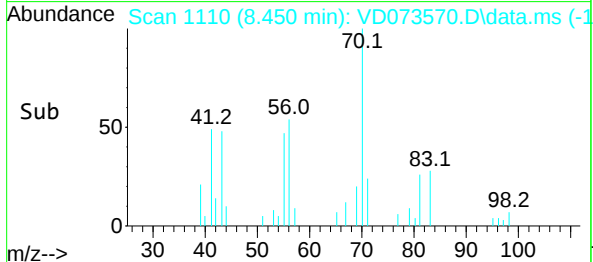
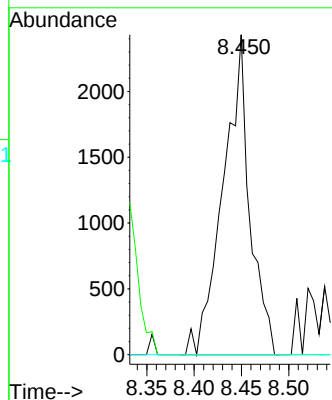
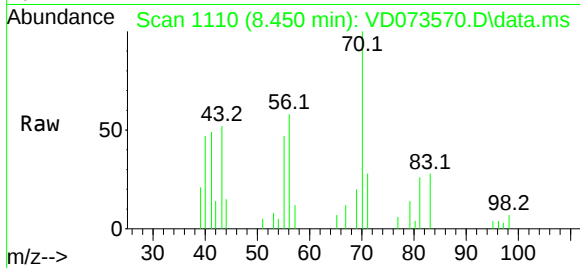




#43
Isopropyl Acetate
Concen: 1.469 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

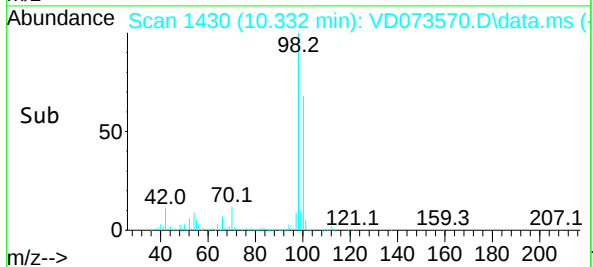
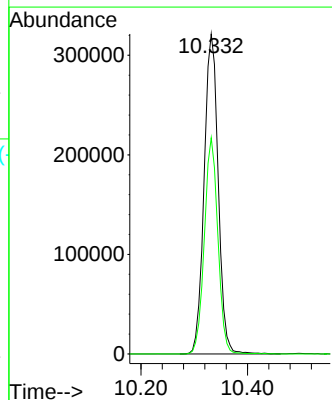
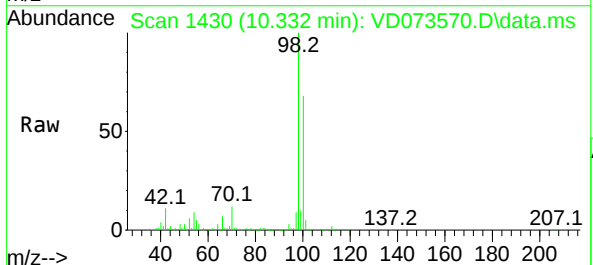
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

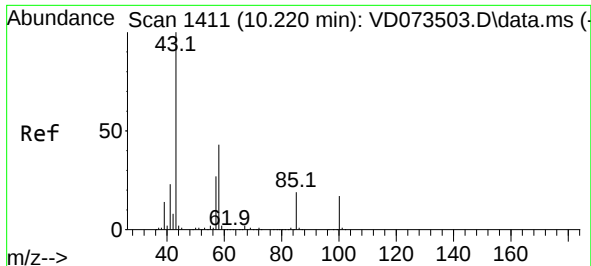
Tgt Ion: 43 Resp: 4733
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 8.7 13.1#



#50
Toluene-d8
Concen: 56.472 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion: 98 Resp: 589501
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6

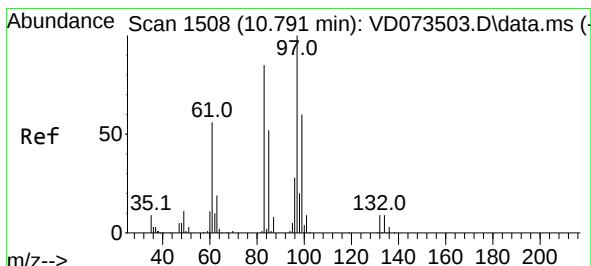
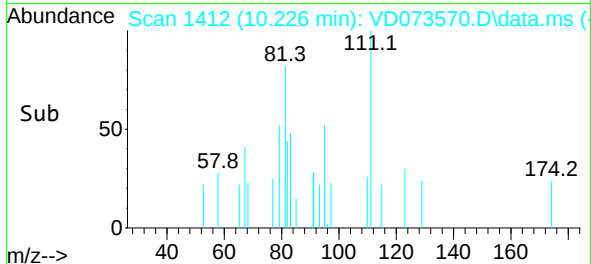
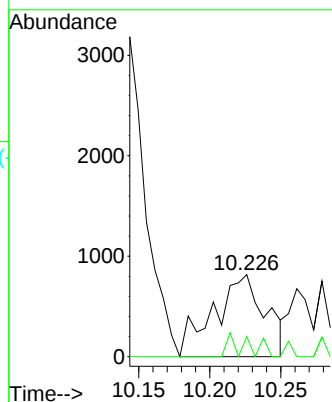
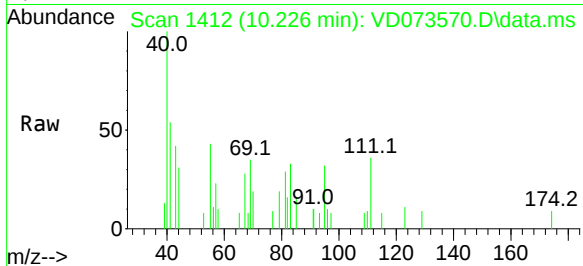




#51
4-Methyl-2-Pentanone
Concen: 1.260 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

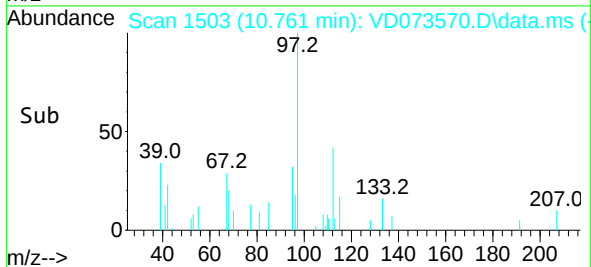
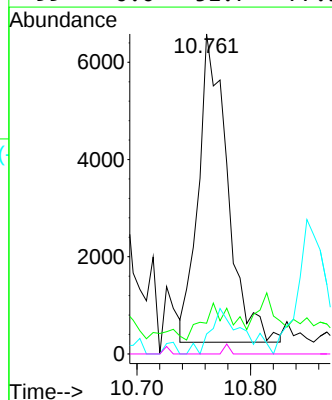
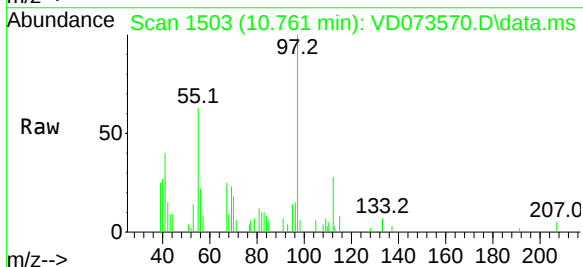
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

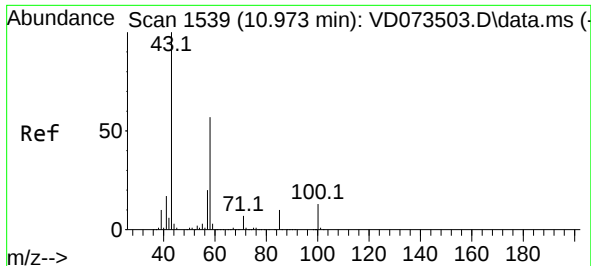
Tgt Ion: 43 Resp: 2055
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#55
1,1,2-Trichloroethane
Concen: 4.697 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.030 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion: 97 Resp: 11277
Ion Ratio Lower Upper
97 100
83 4.3 69.0 103.4#
85 6.6 42.6 63.8#
99 0.0 51.7 77.5#

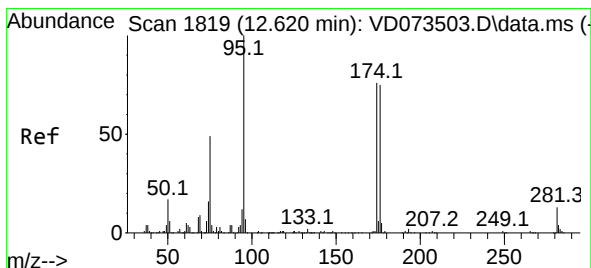
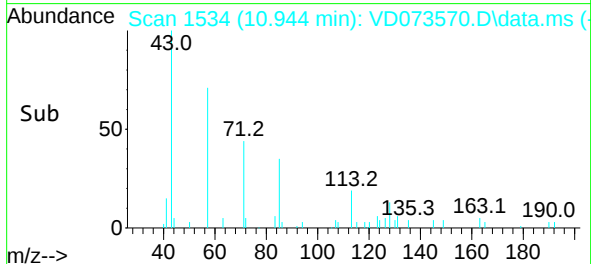
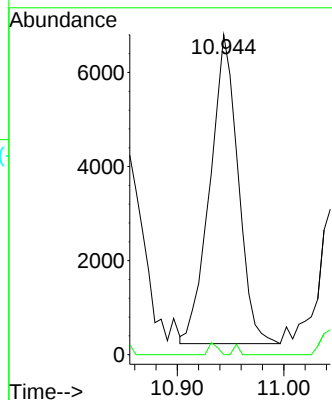
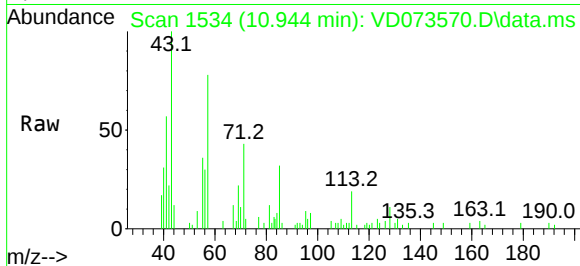




#59
2-Hexanone
Concen: 10.785 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

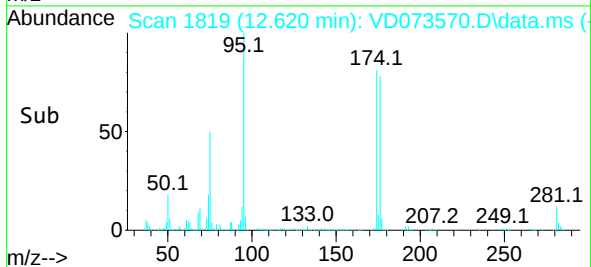
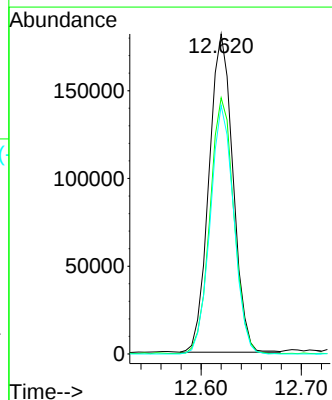
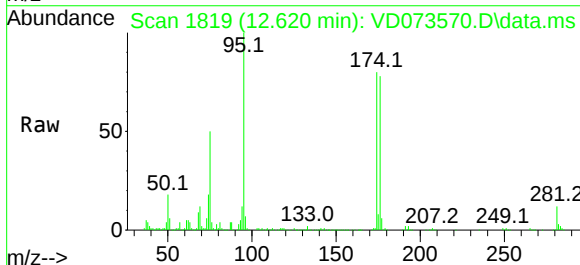
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

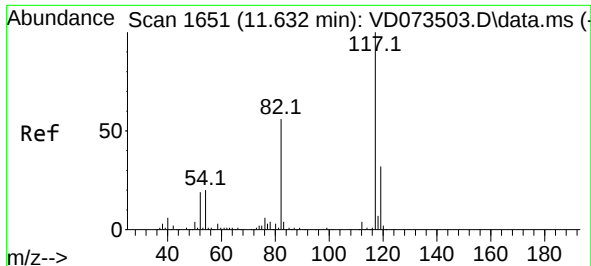
Tgt Ion: 43 Resp: 12045
Ion Ratio Lower Upper
43 100
58 0.7 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 79.330 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion: 95 Resp: 300630
Ion Ratio Lower Upper
95 100
174 80.0 0.0 152.8
176 76.5 0.0 145.4

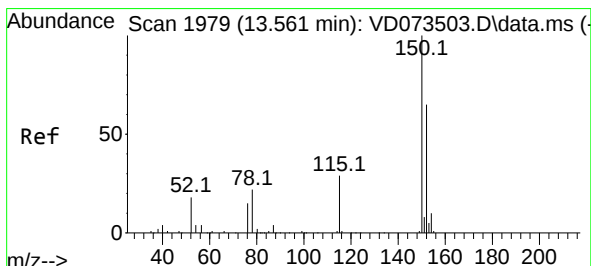
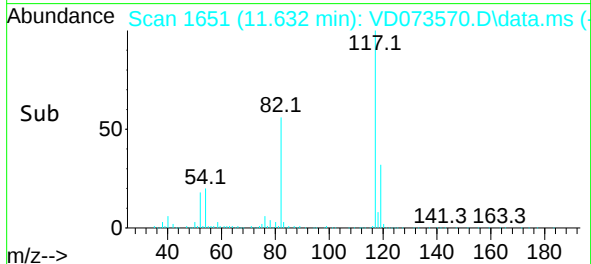
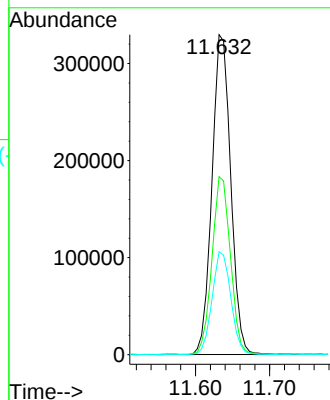
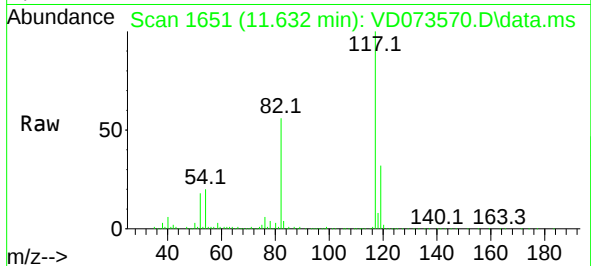




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

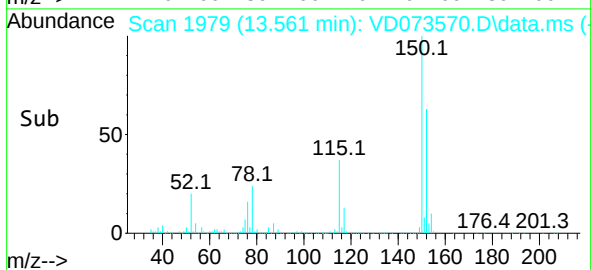
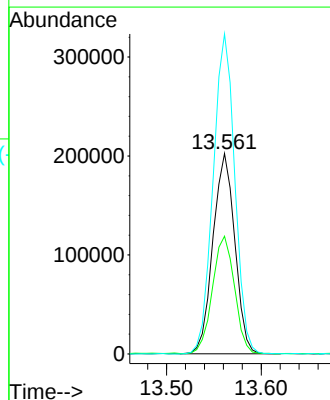
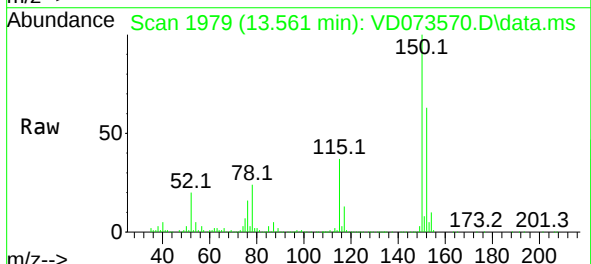
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

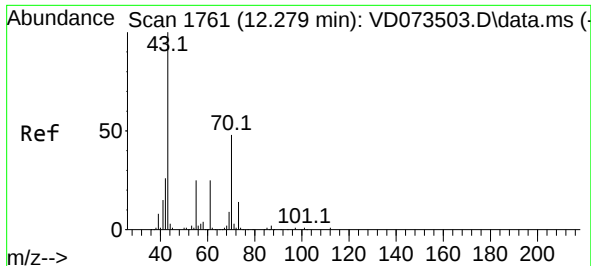
Tgt Ion:117 Resp: 578973
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 32.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion:152 Resp: 324527
Ion Ratio Lower Upper
152 100
115 59.1 31.3 93.8
150 158.5 0.0 348.6

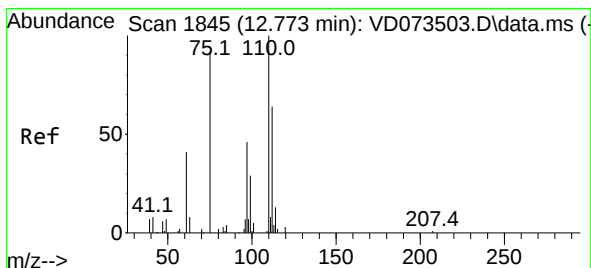
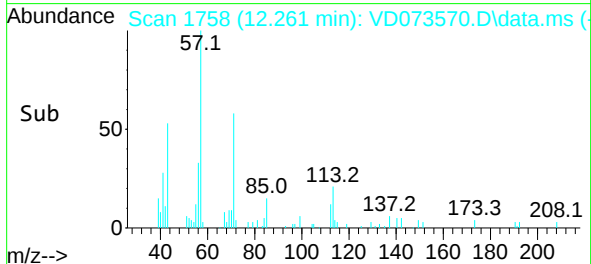
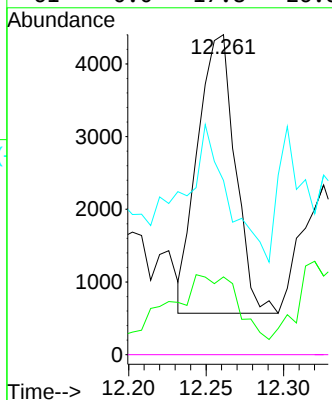
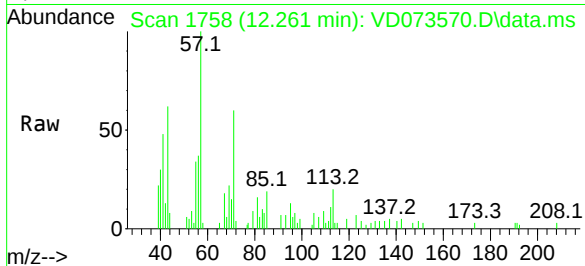




#74
N-amy1 acetate
Concen: 1.295 ug/l
RT: 12.261 min Scan# 1819
Delta R.T. -0.018 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

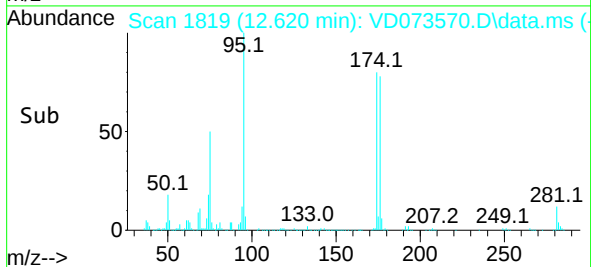
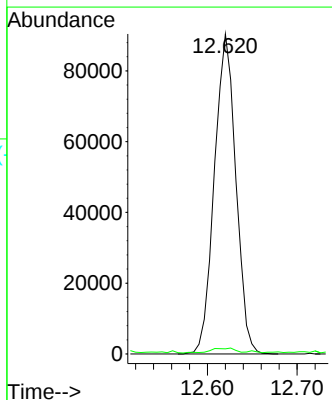
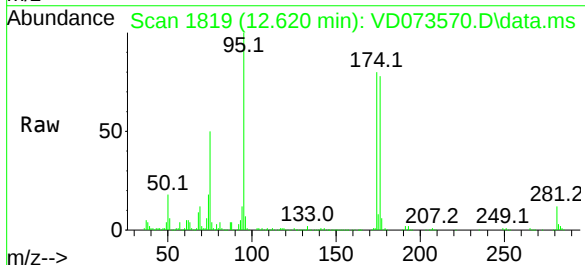
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

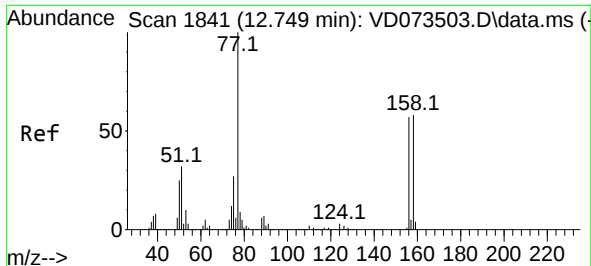
Tgt Ion: 43	Resp: 6479
Ion Ratio	Lower Upper
43 100	
70 40.4	31.3 46.9
55 59.4	20.0 30.0#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 47.630 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion: 75	Resp: 150160
Ion Ratio	Lower Upper
75 100	
77 1.8	0.0 0.0#

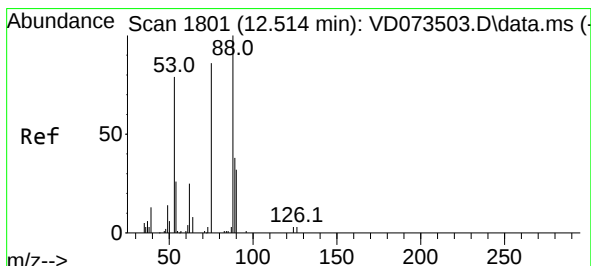
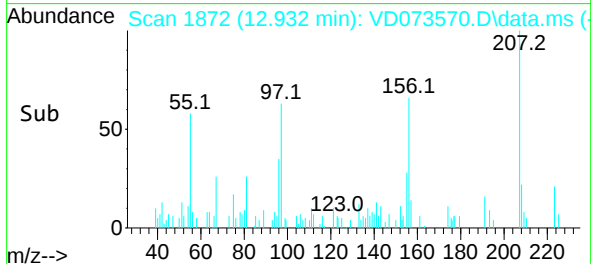
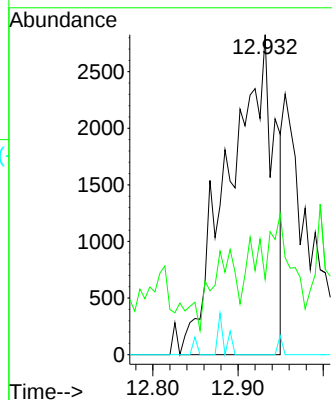
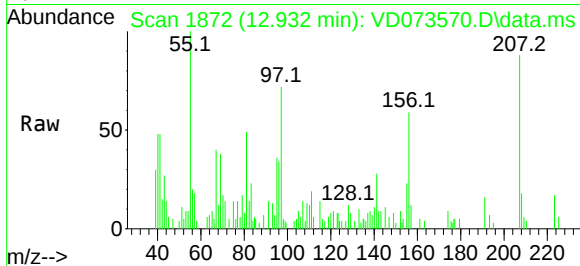




#77
Bromobenzene
Concen: 1.913 ug/l
RT: 12.932 min Scan# 1819
Delta R.T. 0.183 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

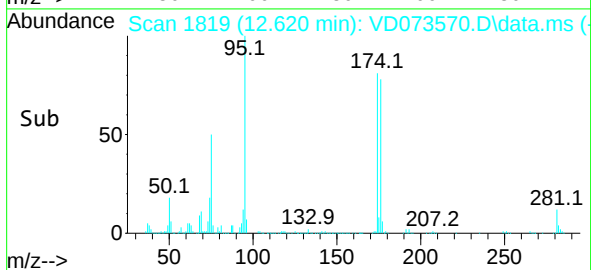
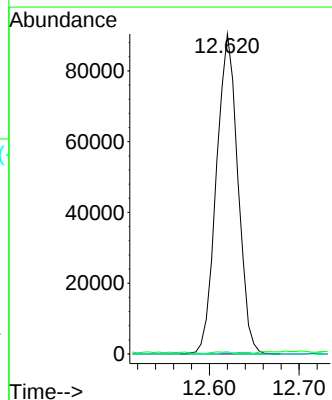
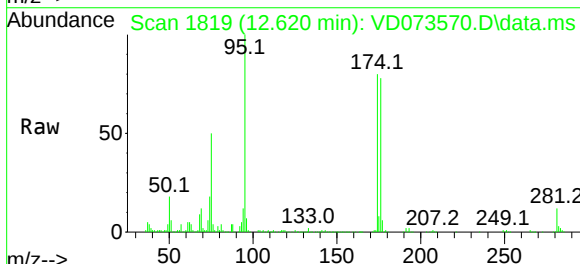
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

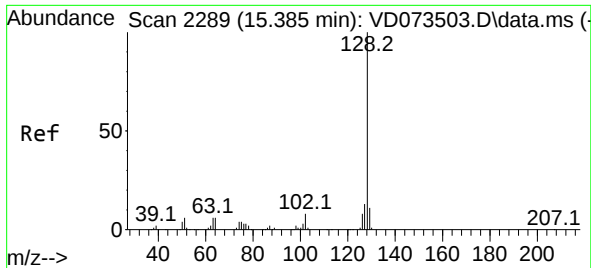
Tgt Ion:156 Resp: 10508
Ion Ratio Lower Upper
156 100
77 13.3 102.8 308.3#
158 0.6 48.7 146.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.795 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Tgt Ion: 75 Resp: 150160
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.3 33.9 50.9#





#95
Naphthalene
Concen: 4.250 ug/l
RT: 15.396 min Scan# 21
Delta R.T. 0.011 min
Lab File: VD073570.D
Acq: 14 Jun 2022 15:32

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 597
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 14.7 8.4 12.6#

