

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080922\
 Data File : VD073993.D
 Acq On : 09 Aug 2022 13:17
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Aug 10 01:06:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 01:05:43 2022
 Response via : Initial Calibration

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

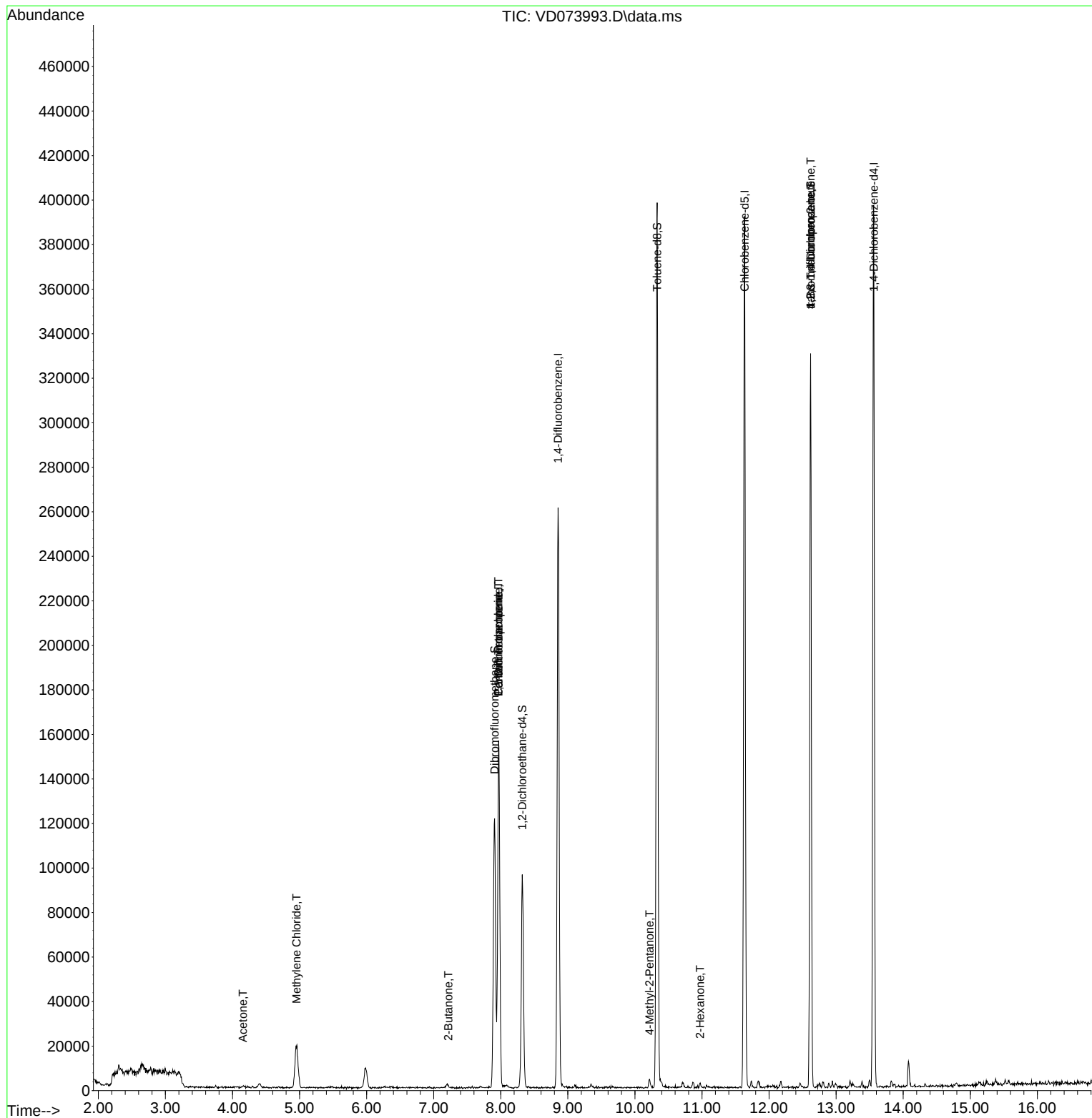
Internal Standards						
1) Pentafluorobenzene	7.967	168	110522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	228039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	230153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	104951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	74589	76.122	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 152.240%	
35) Dibromofluoromethane	7.908	113	85198	61.160	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.320%	
50) Toluene-d8	10.332	98	277450	67.424	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 134.840%	
62) 4-Bromofluorobenzene	12.620	95	99718	56.384	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	431	Below Cal		97
3) Chloromethane	2.203	50	1134	Below Cal	#	77
5) Bromomethane	2.773	94	1226	Below Cal	#	27
16) Acetone	4.156	43	635	3.108	ug/l #	62
17) Carbon Disulfide	4.391	76	4002	Below Cal	#	73
18) Methyl Acetate	4.550	43	53	Below Cal	#	49
20) Methylene Chloride	4.956	84	15562	6.549	ug/l	96
25) 2-Butanone	7.220	43	588	1.898	ug/l #	46
31) Cyclohexane	7.973	56	3096	Below Cal	#	63
36) 1,1-Dichloropropene	7.967	75	9152	4.668	ug/l #	48
38) Carbon Tetrachloride	7.967	117	11557	5.007	ug/l #	18
51) 4-Methyl-2-Pentanone	10.220	43	2278	2.738	ug/l	91
59) 2-Hexanone	10.973	43	1327	2.353	ug/l	95
76) 1,2,3-Trichloropropane	12.620	75	54798	68.887	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	54798	148.057	ug/l #	13

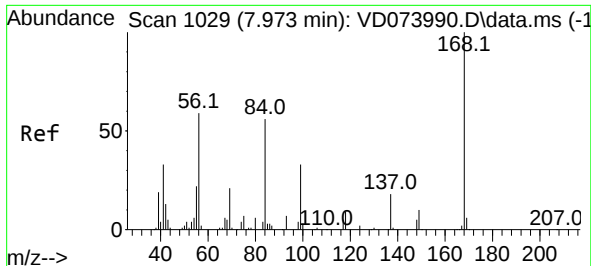
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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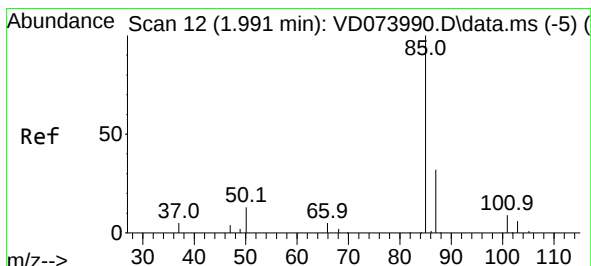
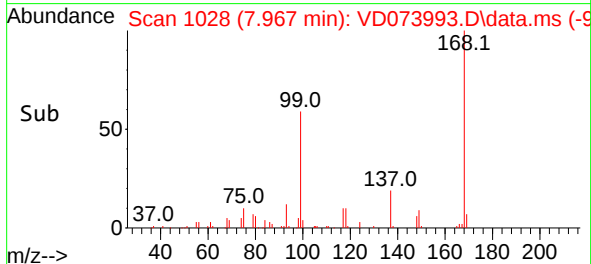
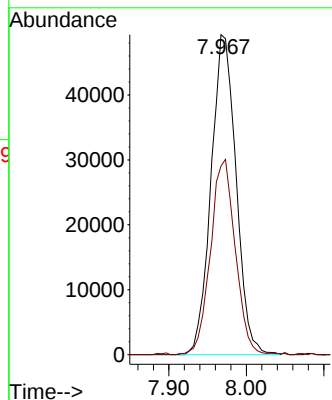
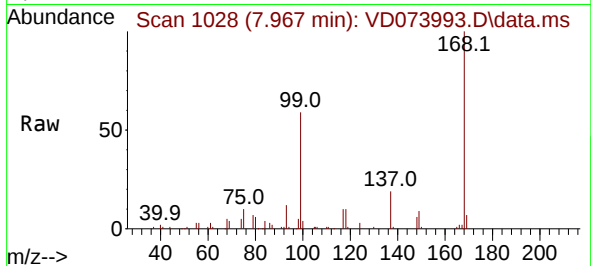




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

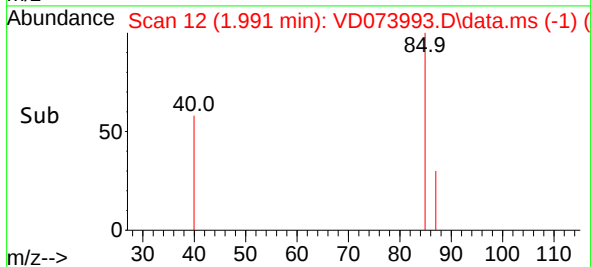
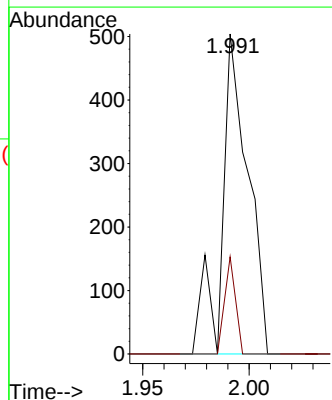
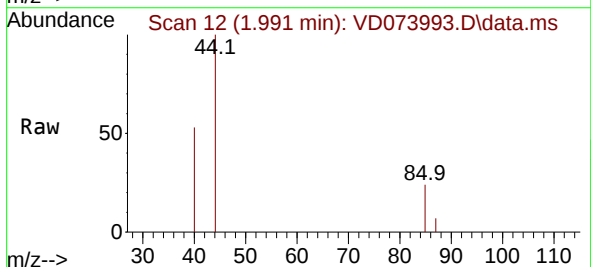
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

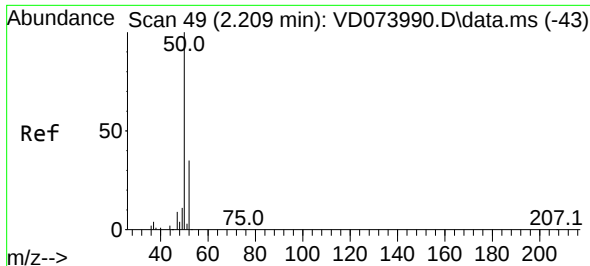
Tgt Ion:168 Resp: 110522
Ion Ratio Lower Upper
168 100
99 58.6 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Tgt Ion: 85 Resp: 431
Ion Ratio Lower Upper
85 100
87 30.4 16.0 47.9

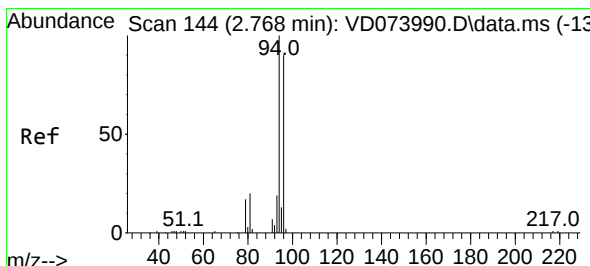
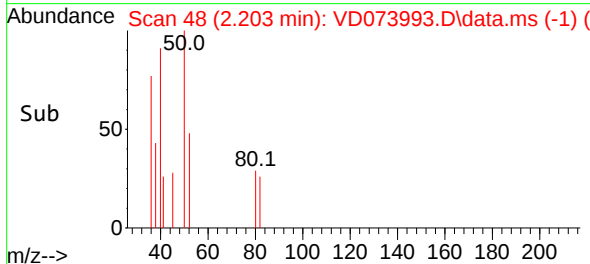
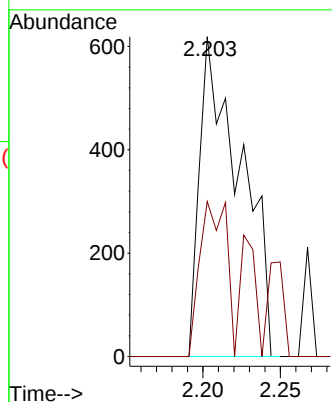
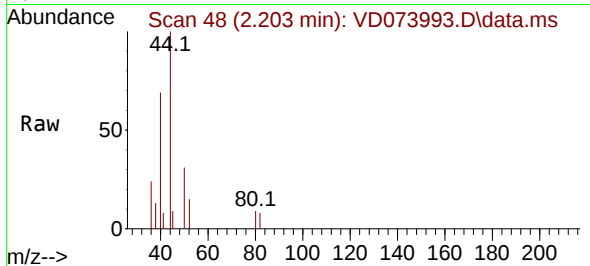




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

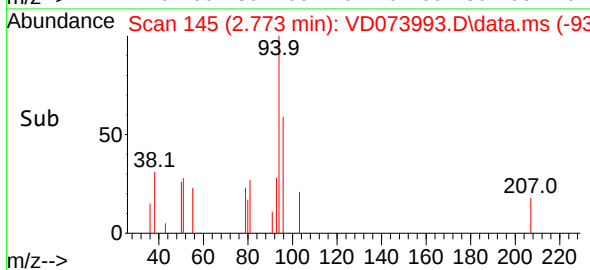
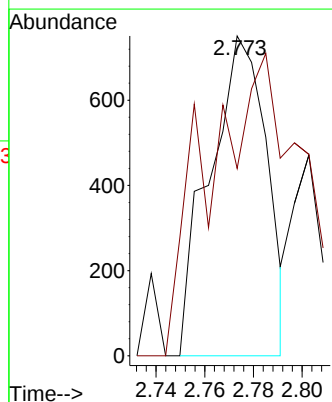
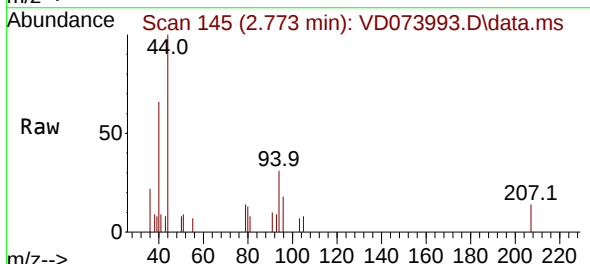
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

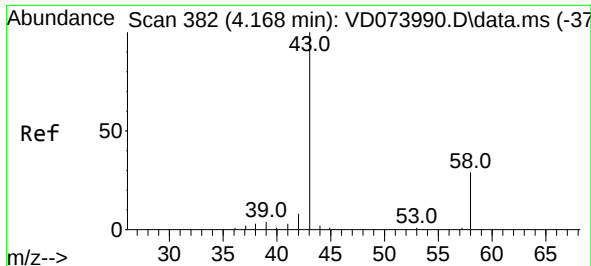
Tgt Ion: 50 Resp: 1134
Ion Ratio Lower Upper
50 100
52 48.5 28.1 42.1#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Tgt Ion: 94 Resp: 1226
Ion Ratio Lower Upper
94 100
96 21.6 72.0 108.0#

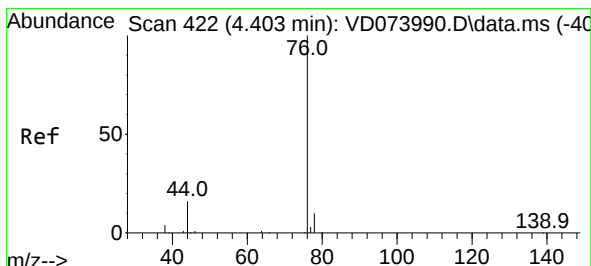
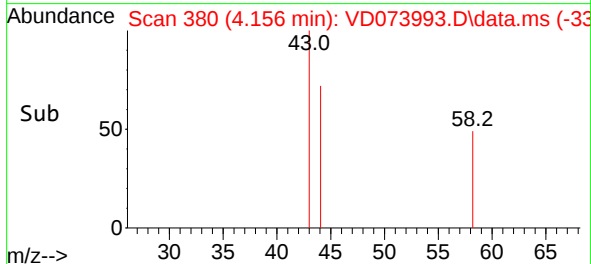
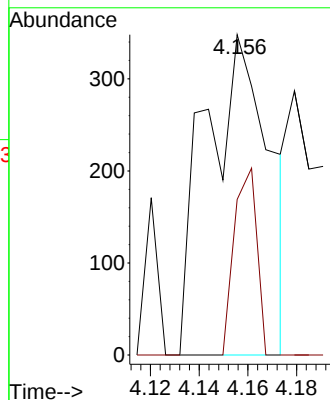
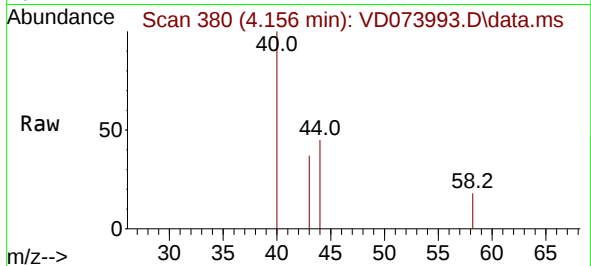




#16
Acetone
Concen: 3.108 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

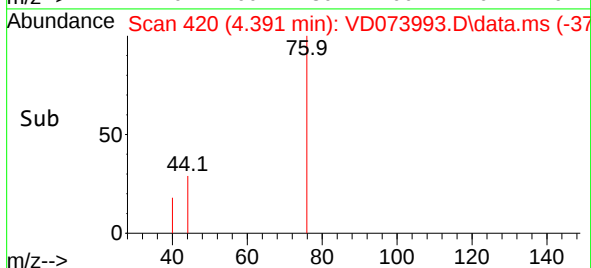
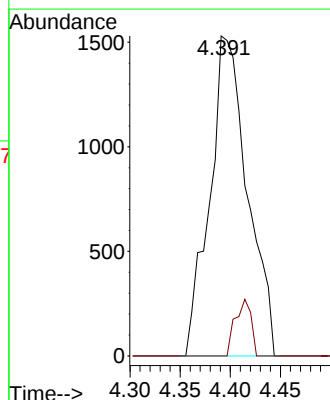
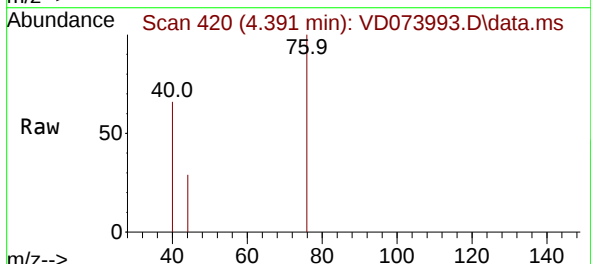
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

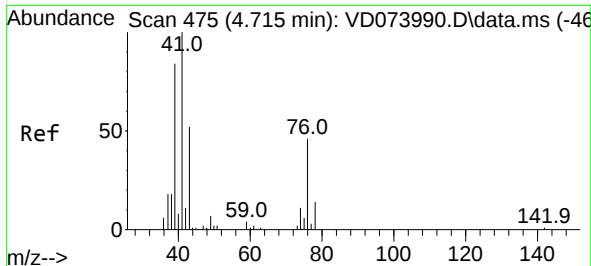
Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
58 48.6 22.8 34.2#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.391 min Scan# 420
Delta R.T. -0.012 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Tgt Ion: 76 Resp: 4002
Ion Ratio Lower Upper
76 100
78 0.0 7.9 11.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.550 min Scan# 447

Delta R.T. -0.165 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

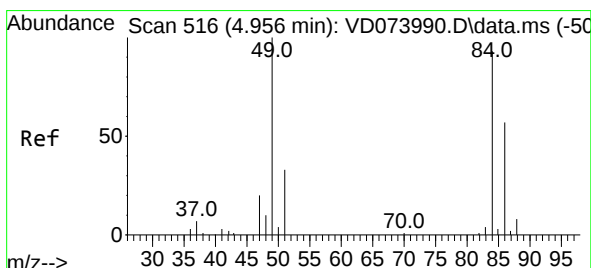
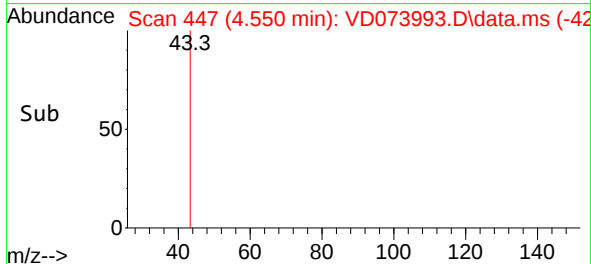
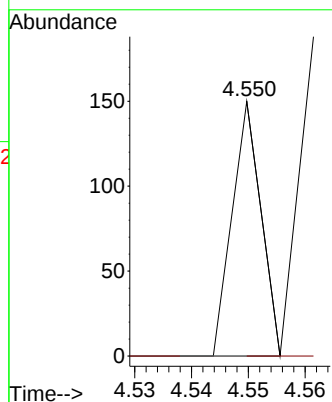
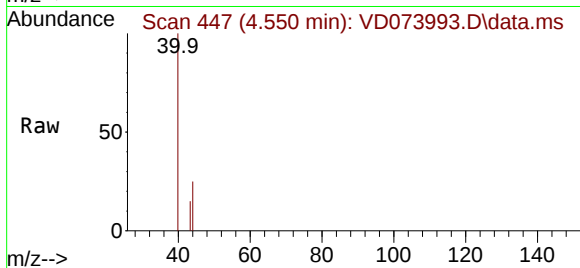
VIBLK

Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

74 0.0 21.0 31.4#



#20

Methylene Chloride

Concen: 6.549 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.000 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

Tgt Ion: 84 Resp: 15562

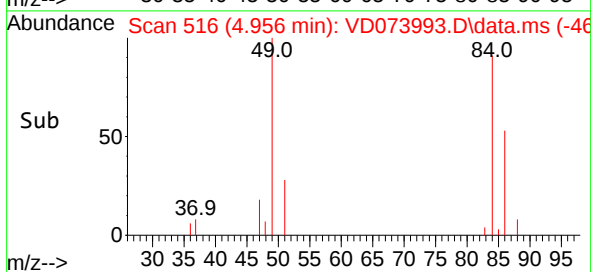
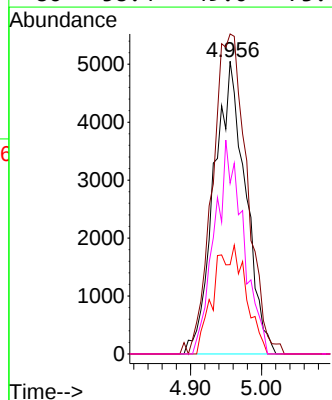
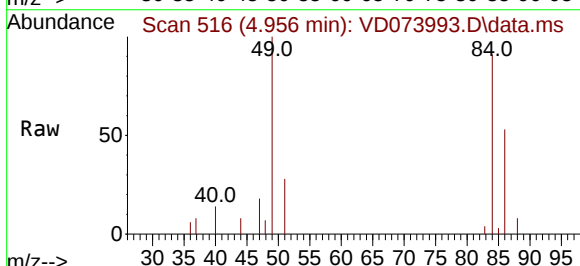
Ion Ratio Lower Upper

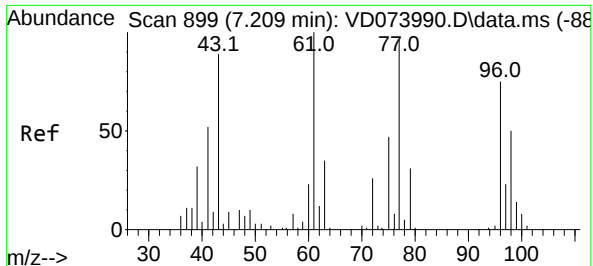
84 100

49 109.4 85.8 128.6

51 30.5 28.0 42.0

86 58.4 49.0 73.4

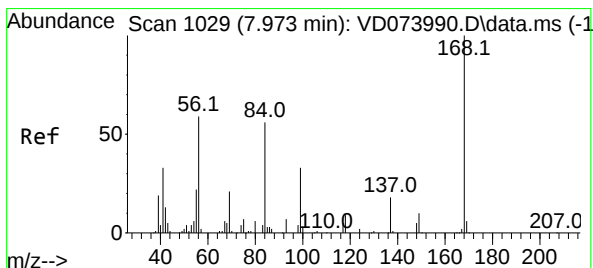
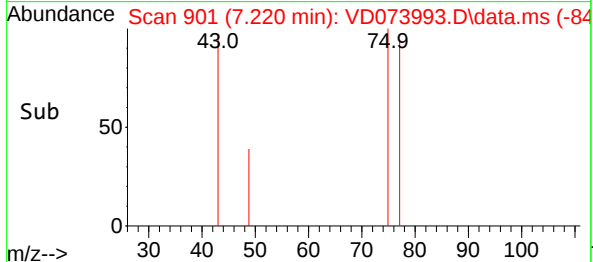
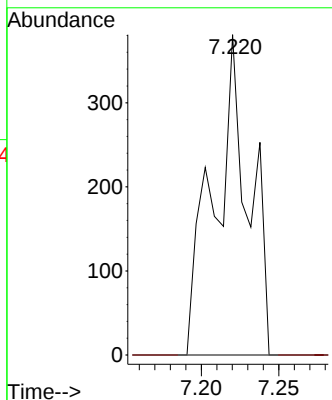
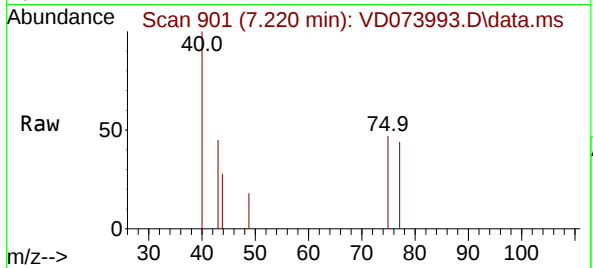




#25
2-Butanone
Concen: 1.898 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

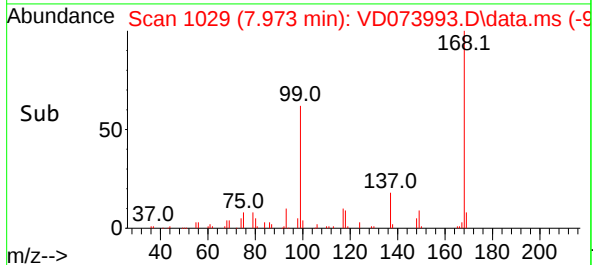
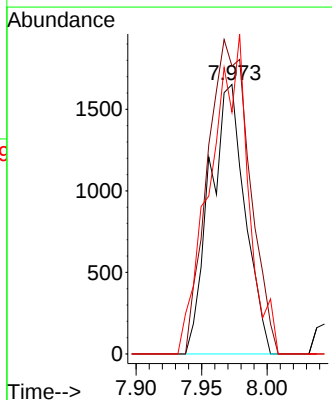
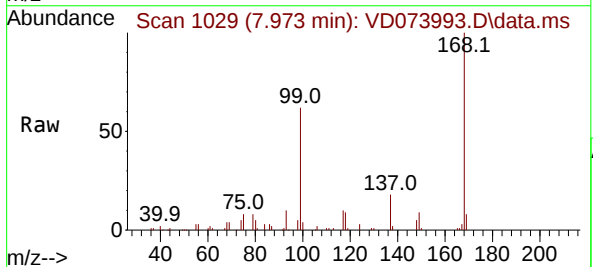
Instrument :
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VIBLK

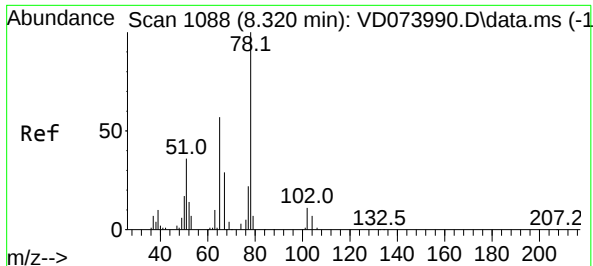
Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Tgt Ion: 56 Resp: 3096
Ion Ratio Lower Upper
56 100
69 106.8 27.9 41.9#
84 89.7 75.8 113.6





#33

1,2-Dichloroethane-d4

Concen: 76.122 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

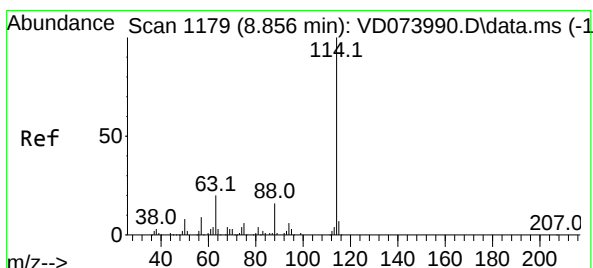
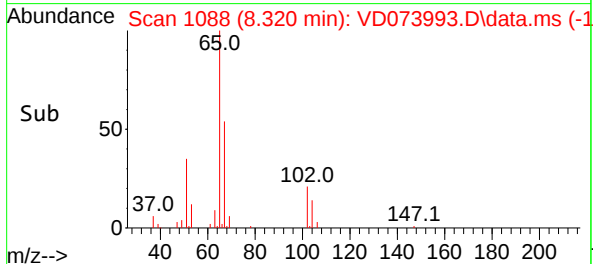
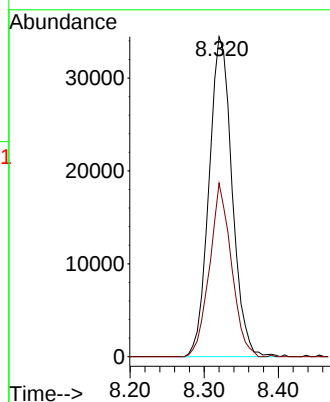
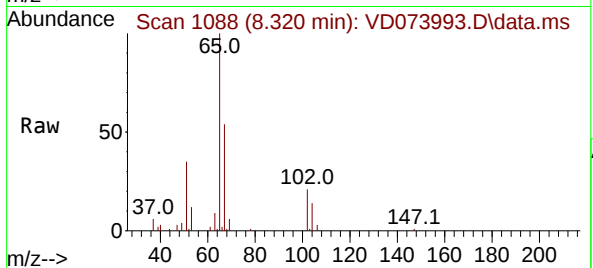
VIBLK

Tgt Ion: 65 Resp: 74589

Ion Ratio Lower Upper

65 100

67 51.3 0.0 113.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.001 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

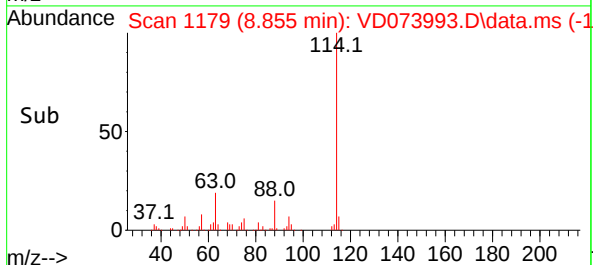
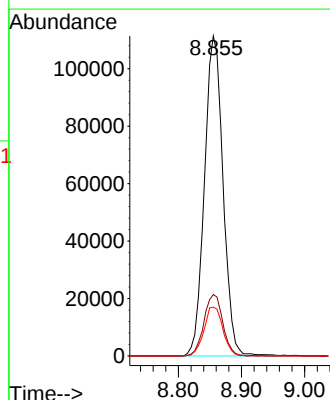
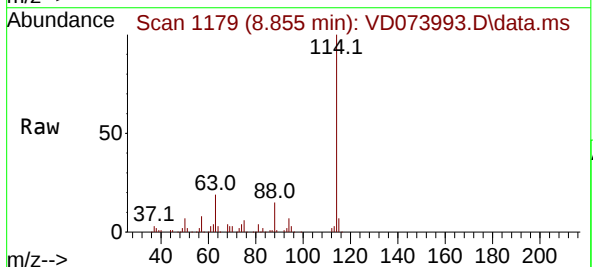
Tgt Ion: 114 Resp: 228039

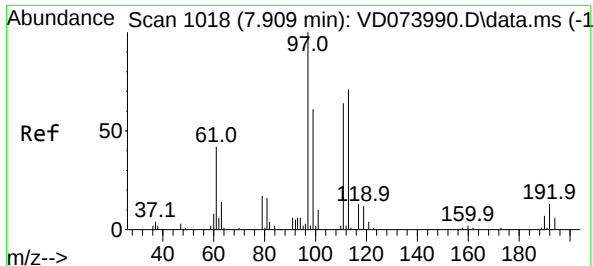
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.0

88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 61.160 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

Instrument :

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ClientSampleId :

VIBLK

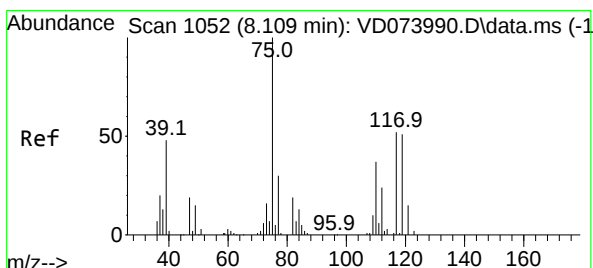
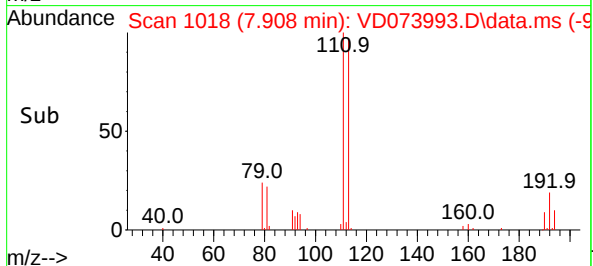
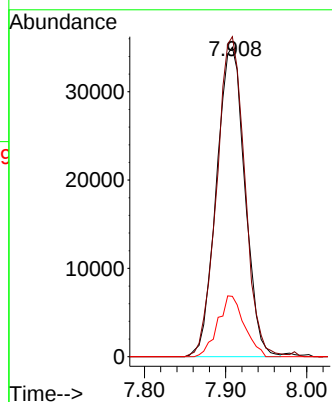
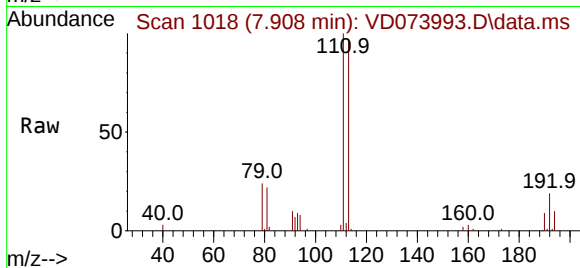
Tgt Ion:113 Resp: 85198

Ion Ratio Lower Upper

113 100

111 102.0 80.0 120.0

192 18.3 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.668 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

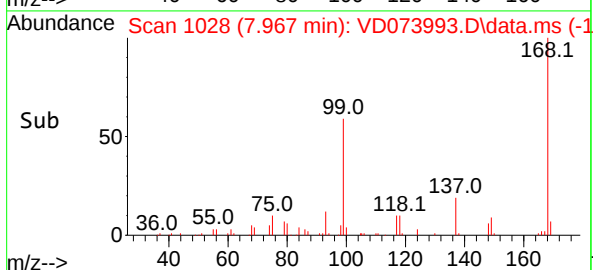
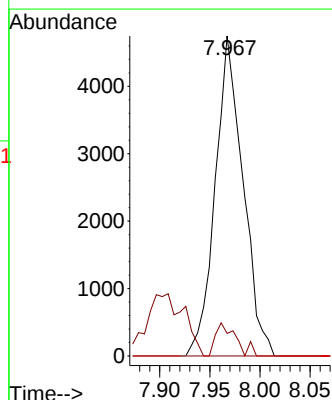
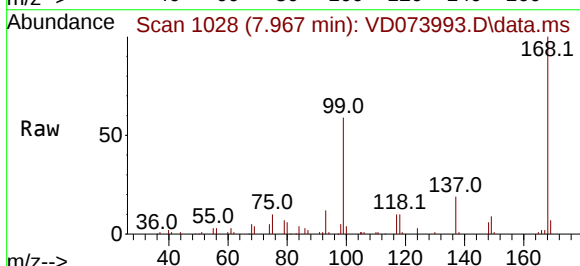
Tgt Ion: 75 Resp: 9152

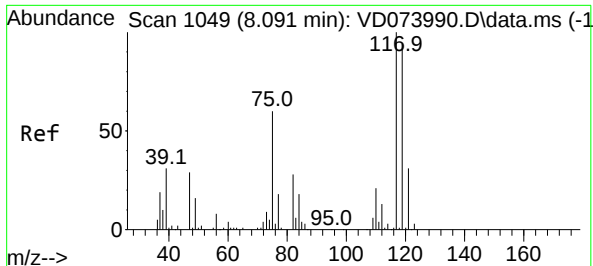
Ion Ratio Lower Upper

75 100

110 7.5 18.4 55.4#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.007 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

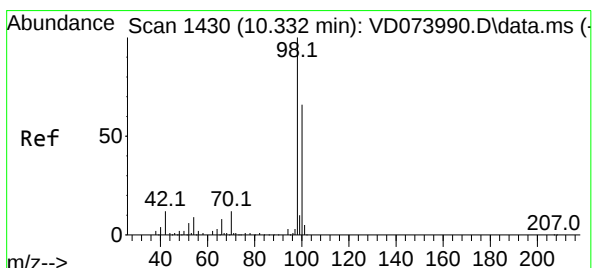
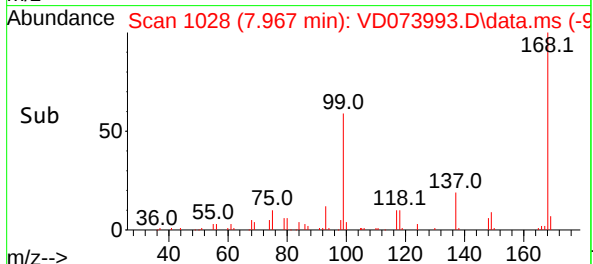
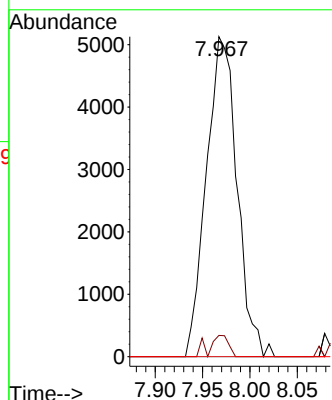
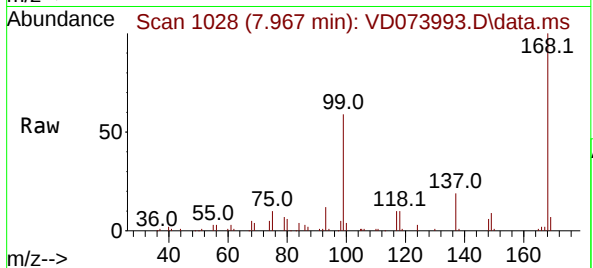
Tgt Ion:117 Resp: 11557

Ion Ratio Lower Upper

117 100

119 6.6 75.4 113.2#

121 0.0 25.2 37.8#



#50

Toluene-d8

Concen: 67.424 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073993.D

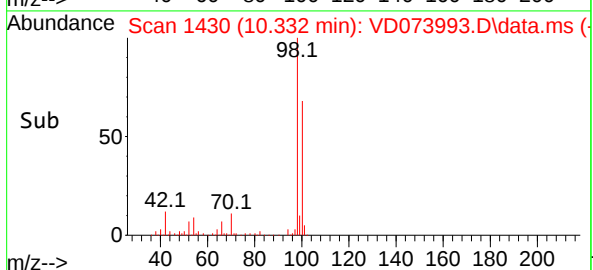
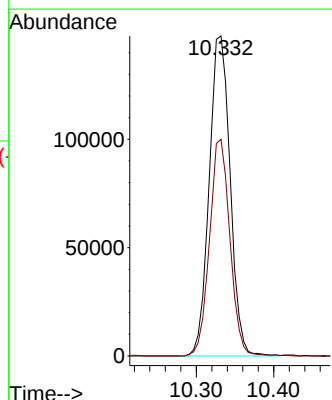
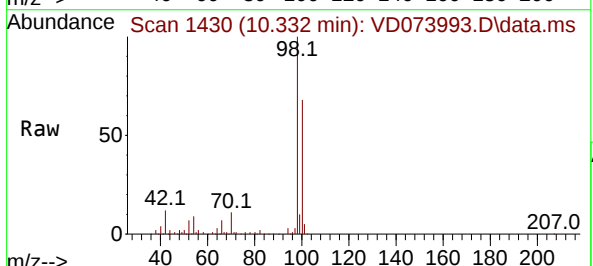
Acq: 09 Aug 2022 13:17

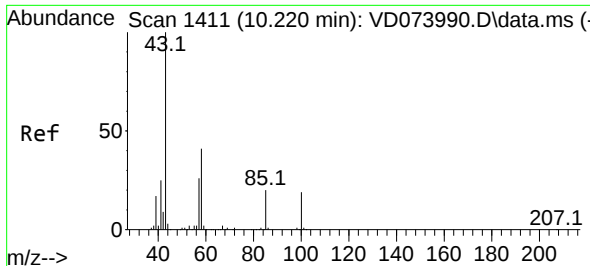
Tgt Ion: 98 Resp: 277450

Ion Ratio Lower Upper

98 100

100 66.0 51.3 76.9

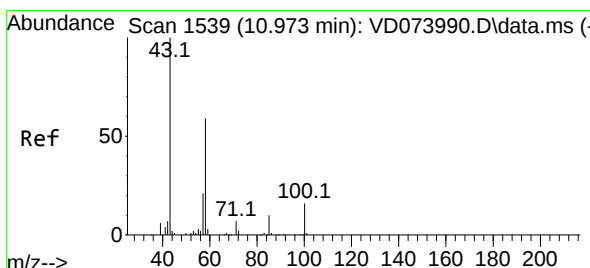
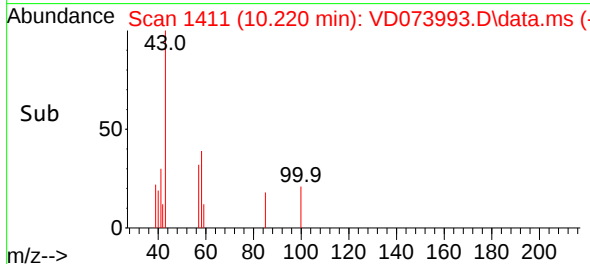
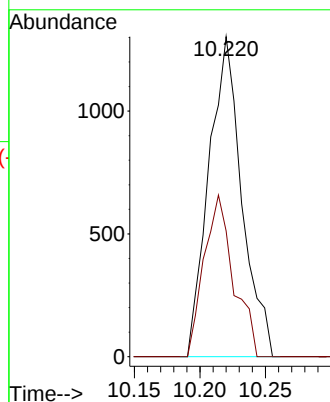
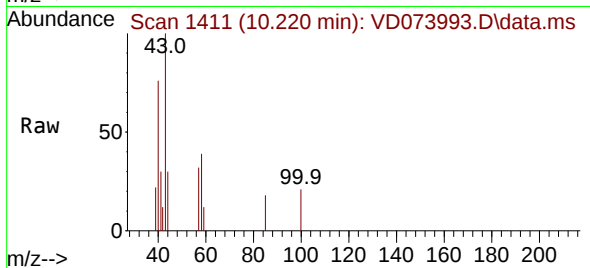




#51
4-Methyl-2-Pentanone
Concen: 2.738 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

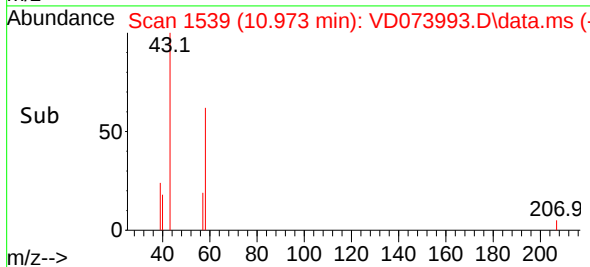
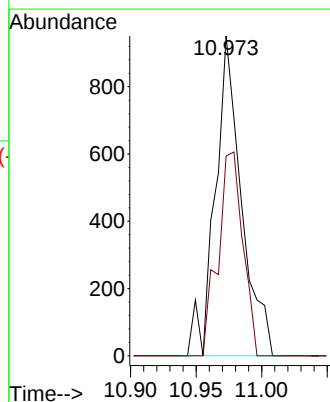
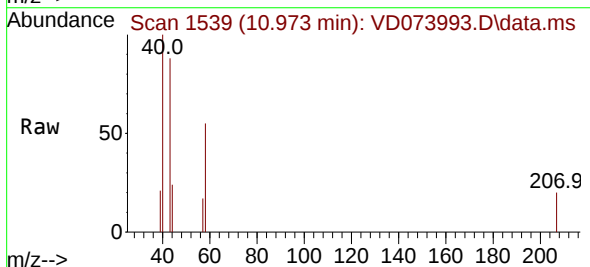
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

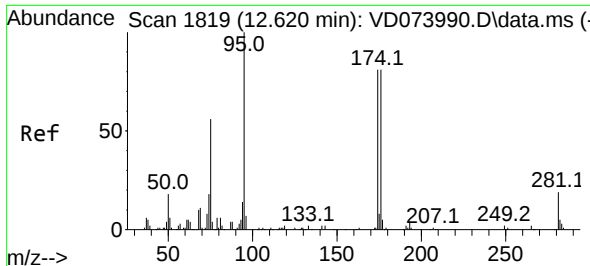
Tgt Ion: 43 Resp: 2278
Ion Ratio Lower Upper
43 100
58 45.3 31.7 47.5



#59
2-Hexanone
Concen: 2.353 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Tgt Ion: 43 Resp: 1327
Ion Ratio Lower Upper
43 100
58 60.0 28.2 84.6

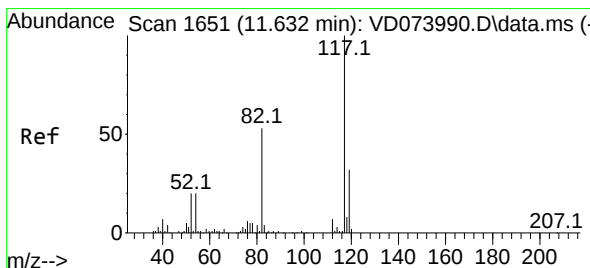
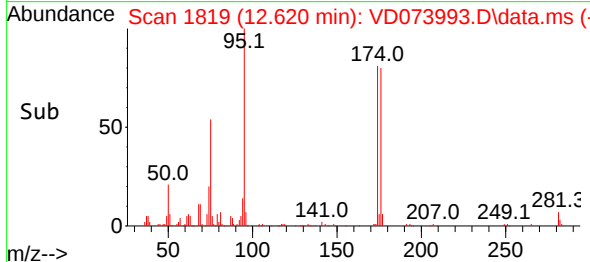
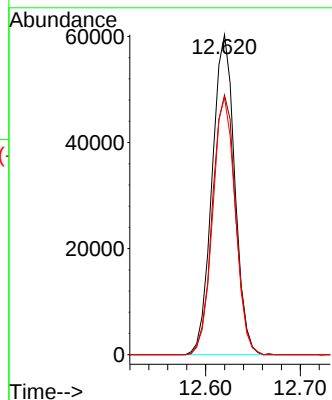
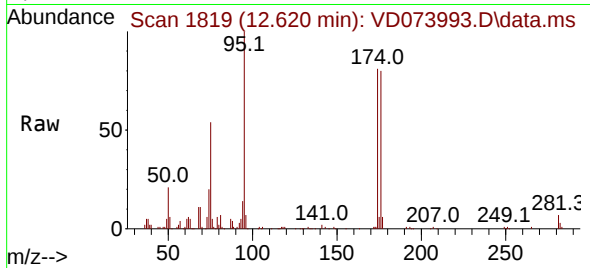




#62
4-Bromofluorobenzene
Concen: 56.384 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

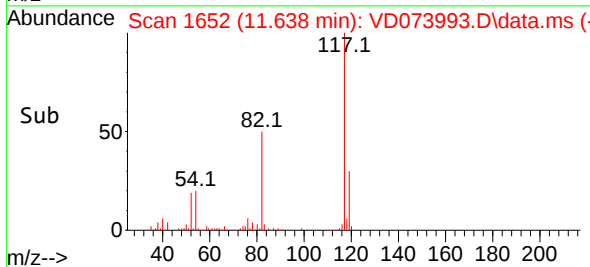
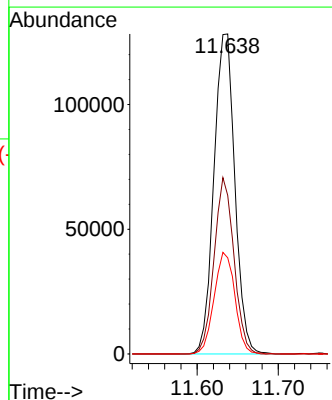
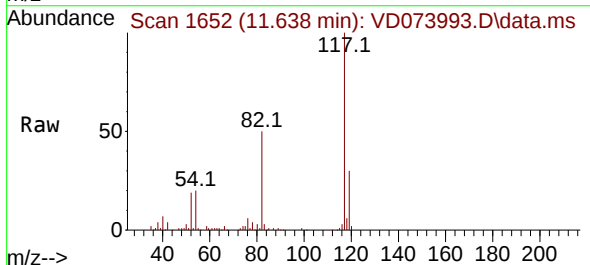
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

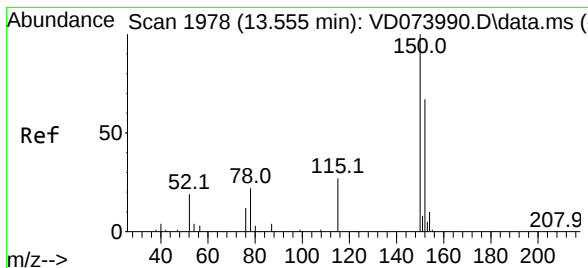
Tgt Ion:	95	Resp:	99718
Ion Ratio	Lower	Upper	
95	100		
174	83.2	0.0	162.6
176	80.3	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073993.D
Acq: 09 Aug 2022 13:17

Tgt Ion:	117	Resp:	230153
Ion Ratio	Lower	Upper	
117	100		
82	49.5	42.7	64.1
119	30.0	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. 0.006 min

Lab File: VD073993.D

Acq: 09 Aug 2022 13:17

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

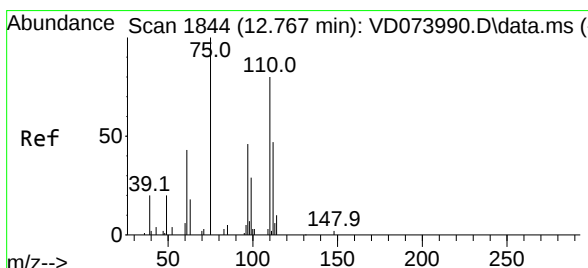
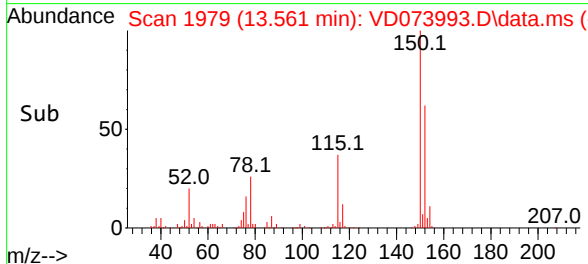
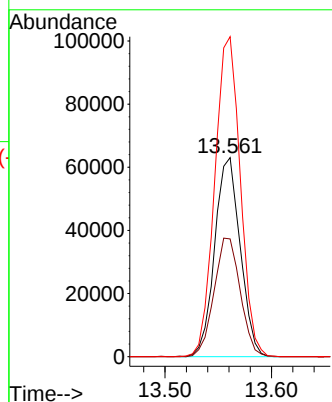
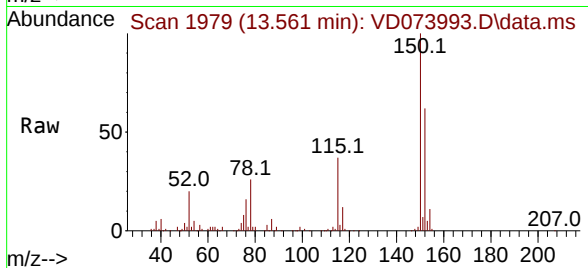
Tgt Ion:152 Resp: 104951

Ion Ratio Lower Upper

152 100

115 61.2 29.9 89.8

150 160.9 0.0 342.8



#76

1,2,3-Trichloropropane

Concen: 68.887 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073993.D

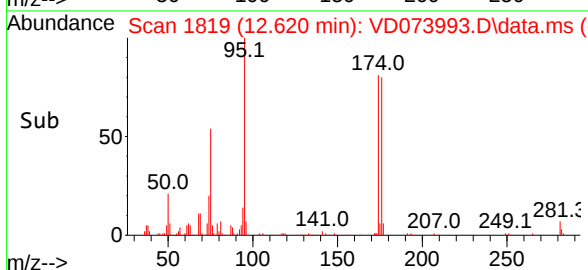
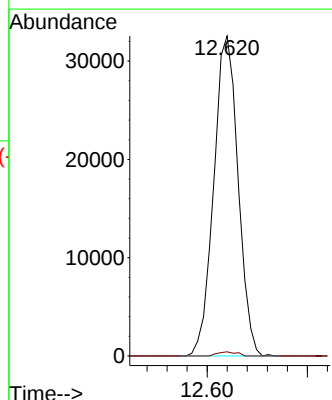
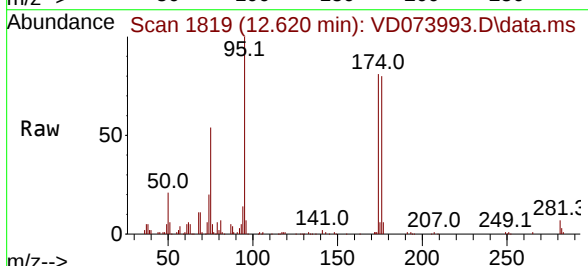
Acq: 09 Aug 2022 13:17

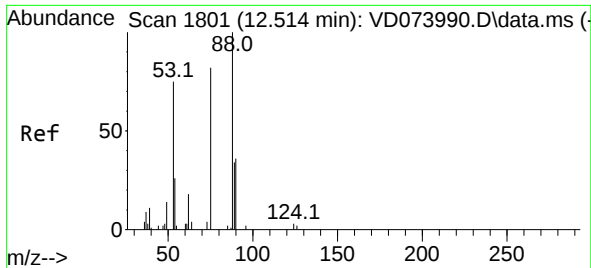
Tgt Ion: 75 Resp: 54798

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.057 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073993.D
 Acq: 09 Aug 2022 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 54798
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.2 38.3 57.5#

