

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072858.D
 Acq On : 06 May 2022 18:23
 Operator : VA/SY
 Sample : N2665-12RE
 Misc : 6.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9,6

Quant Time: May 07 00:06:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

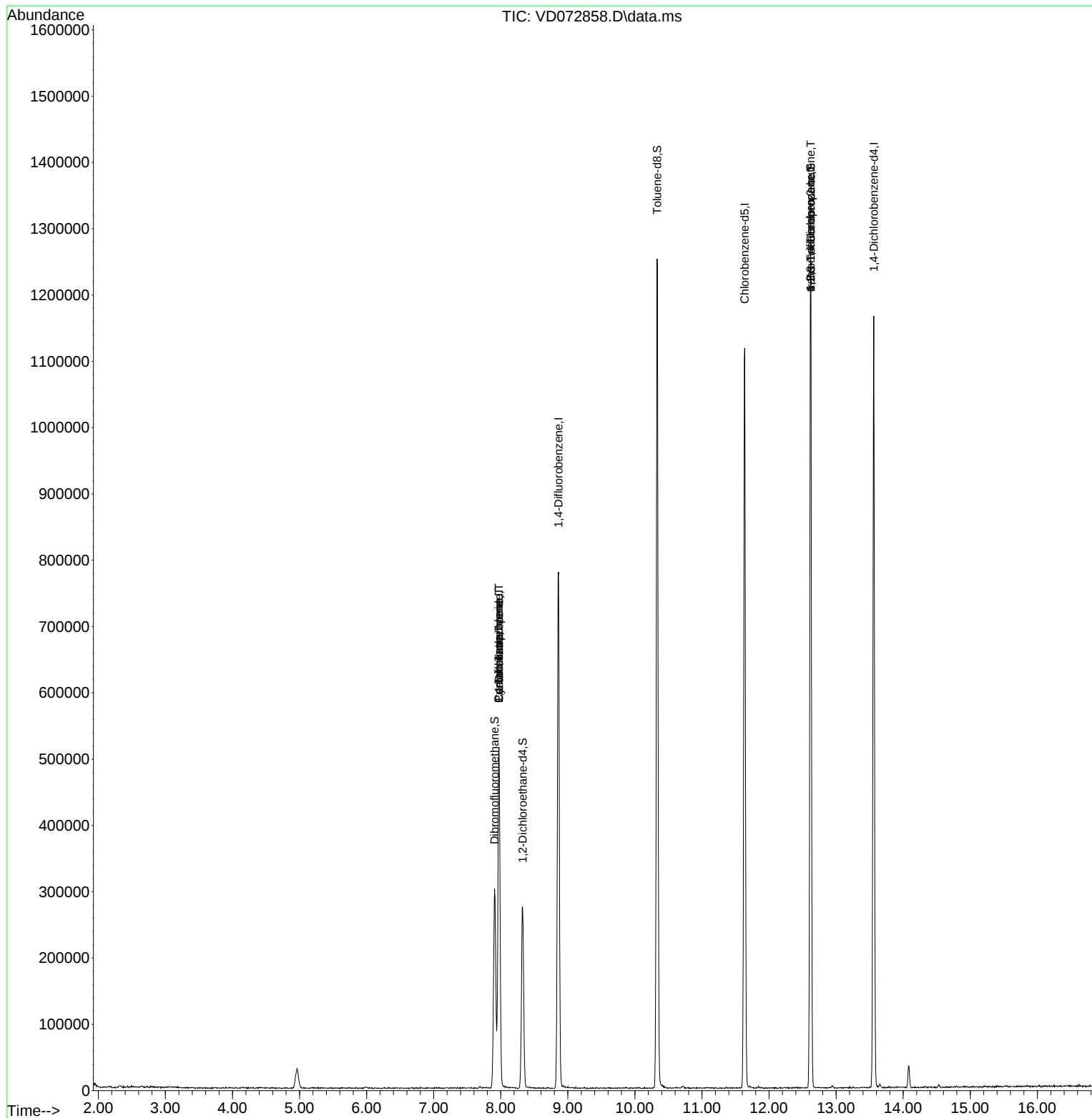
Internal Standards						
1) Pentafluorobenzene	7.973	168	363503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	659927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	641880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	291658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	219949	46.614	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.220%
35) Dibromofluoromethane	7.908	113	218508	47.146	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.300%
50) Toluene-d8	10.332	98	807547	48.573	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.140%
62) 4-Bromofluorobenzene	12.620	95	308101	49.701	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.797	94	715	Below Cal		84
16) Acetone	4.156	43	1779	Below Cal	#	86
18) Methyl Acetate	4.767	43	70	Below Cal	#	55
20) Methylene Chloride	4.962	84	22474	Below Cal		88
31) Cyclohexane	7.973	56	9660	1.171	ug/l #	10
36) 1,1-Dichloropropene	7.973	75	31632	4.197	ug/l #	51
38) Carbon Tetrachloride	7.973	117	39623	5.065	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	161568	49.680	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	161568	114.244	ug/l #	7

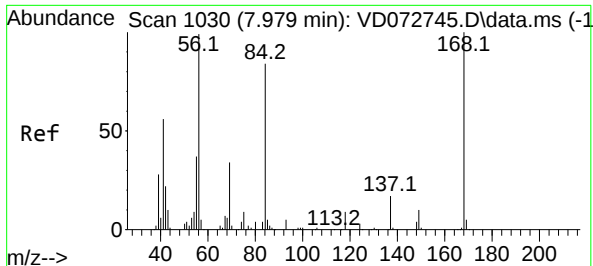
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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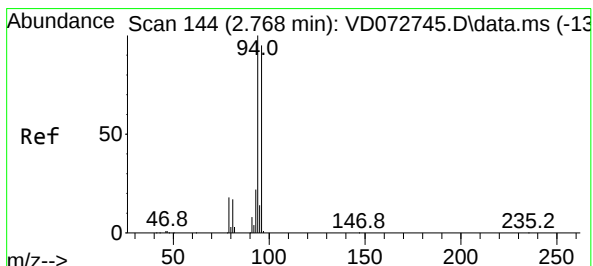
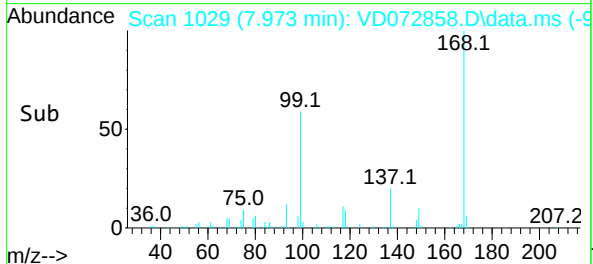
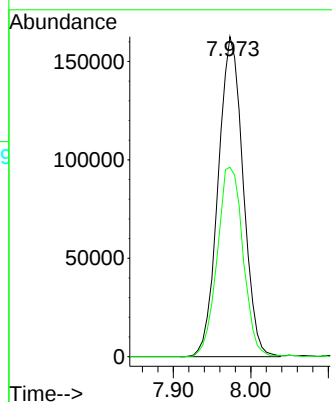
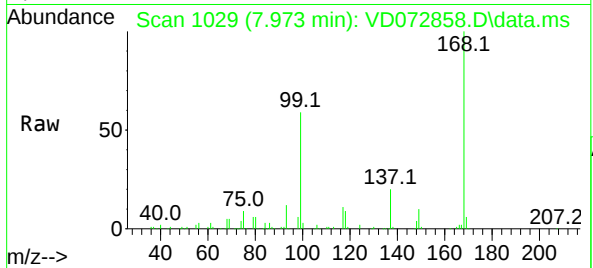




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072858.D
Acq: 06 May 2022 18:23

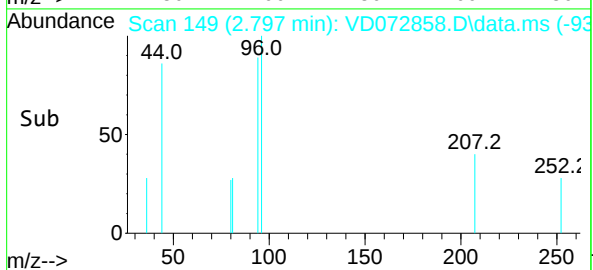
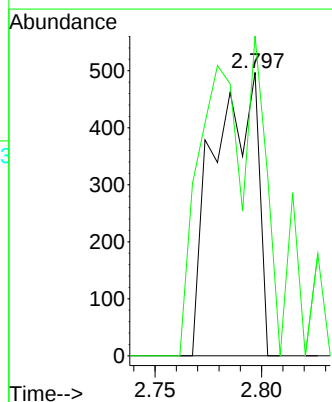
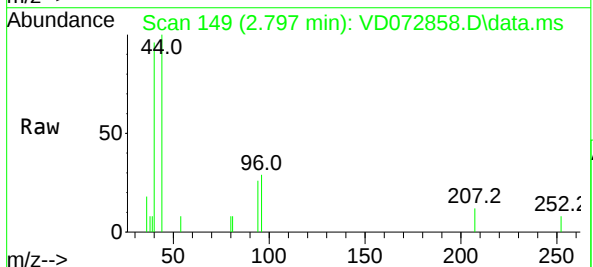
Instrument :
MSVOA_D
ClientSampleId :
SB-9,6

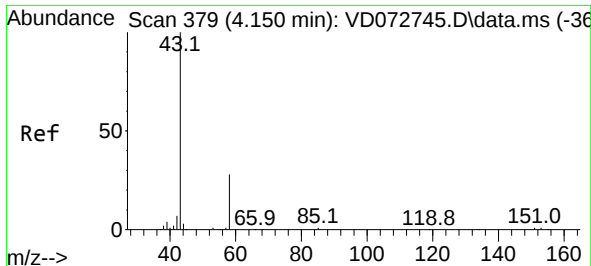
Tgt Ion:168 Resp: 363503
Ion Ratio Lower Upper
168 100
99 59.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.797 min Scan# 149
Delta R.T. 0.029 min
Lab File: VD072858.D
Acq: 06 May 2022 18:23

Tgt Ion: 94 Resp: 715
Ion Ratio Lower Upper
94 100
96 112.9 77.6 116.4

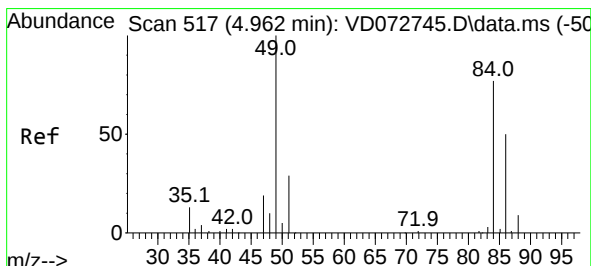
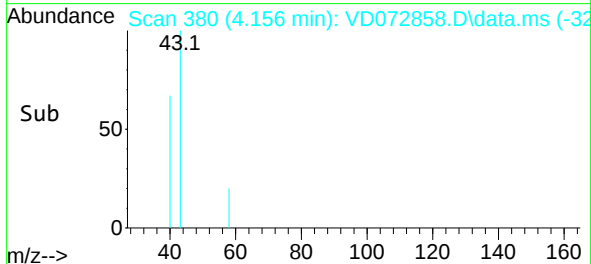
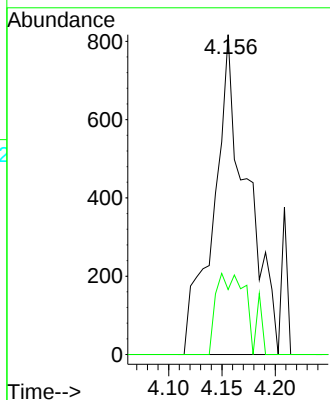
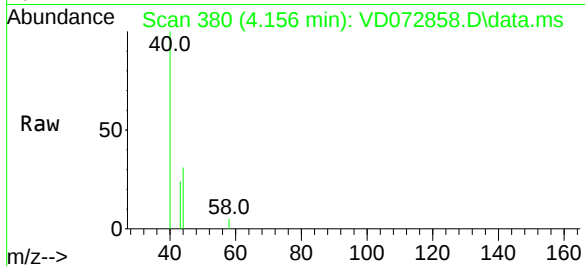




#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD072858.D
Acq: 06 May 2022 18:23

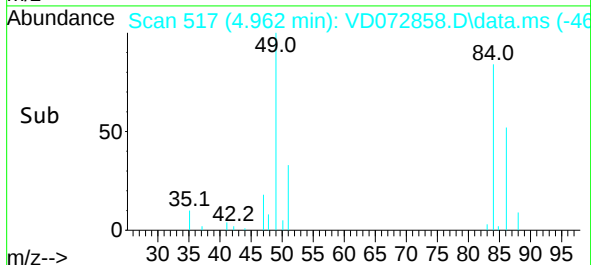
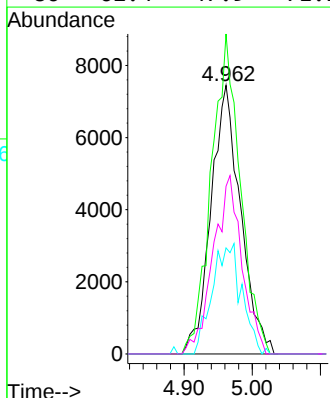
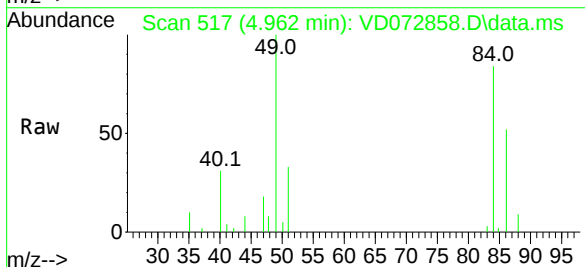
Instrument :
MSVOA_D
ClientSampleId :
SB-9,6

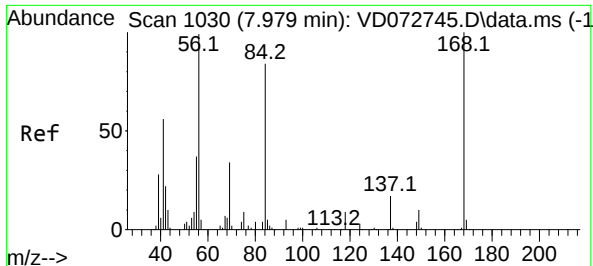
Tgt Ion: 43 Resp: 1779
Ion Ratio Lower Upper
43 100
58 20.3 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072858.D
Acq: 06 May 2022 18:23

Tgt Ion: 84 Resp: 22474
Ion Ratio Lower Upper
84 100
49 119.1 112.8 169.2
51 39.5 32.6 48.8
86 62.4 47.9 71.9





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072858.D

Acq: 06 May 2022 18:23

Instrument :

MSVOA_D

ClientSampleId :

SB-9,6

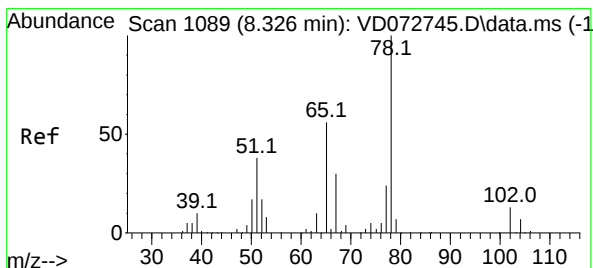
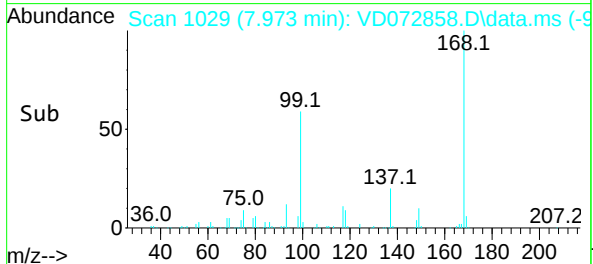
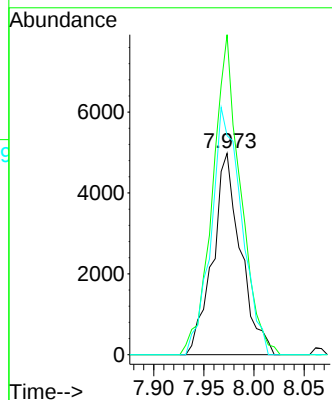
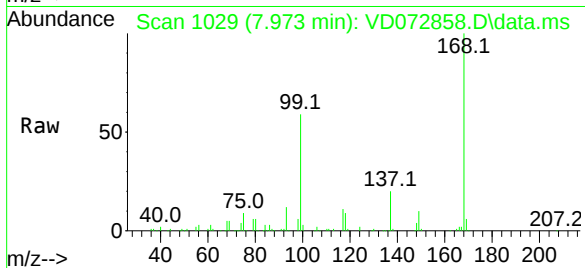
Tgt Ion: 56 Resp: 9660

Ion Ratio Lower Upper

56 100

69 158.9 25.4 38.2#

84 108.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 46.614 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072858.D

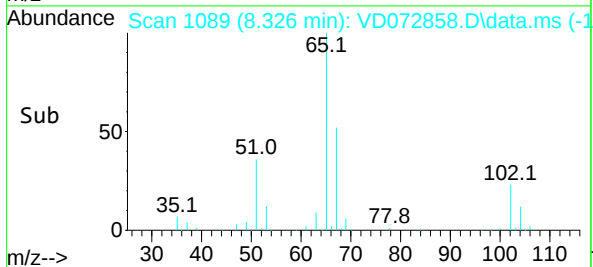
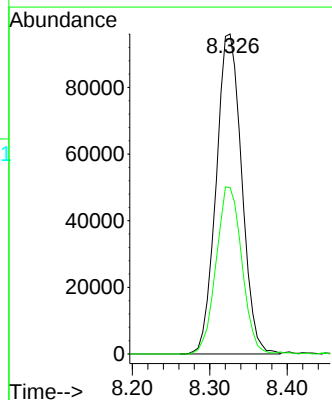
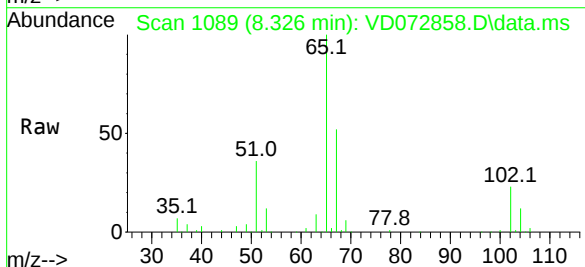
Acq: 06 May 2022 18:23

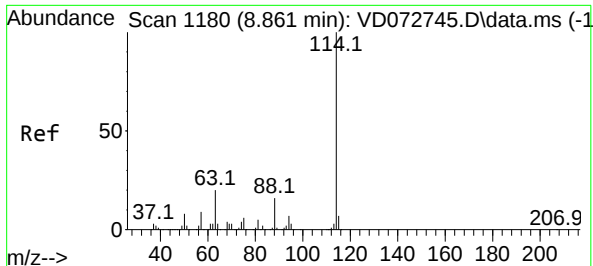
Tgt Ion: 65 Resp: 219949

Ion Ratio Lower Upper

65 100

67 52.6 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: VD072858.D

Acq: 06 May 2022 18:23

Instrument :

MSVOA_D

ClientSampleId :

SB-9,6

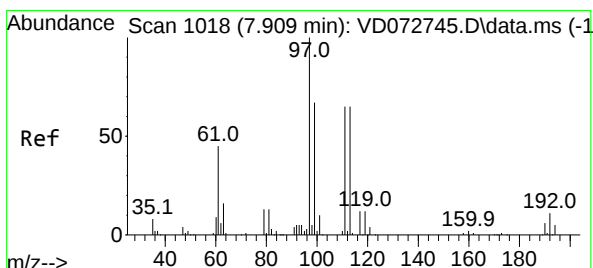
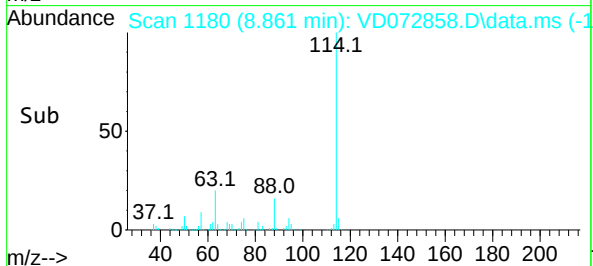
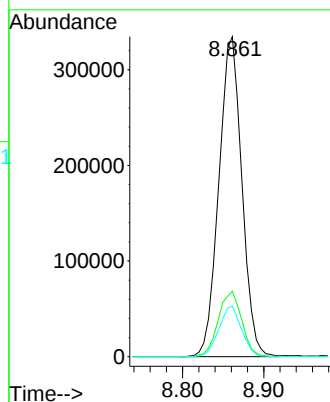
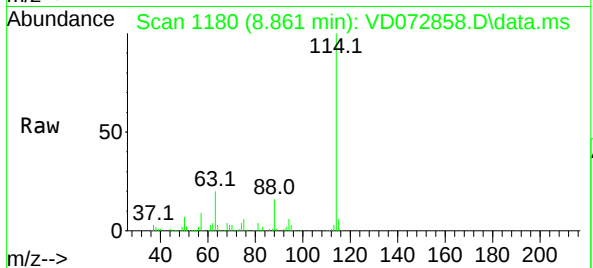
Tgt Ion:114 Resp: 659927

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.146 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072858.D

Acq: 06 May 2022 18:23

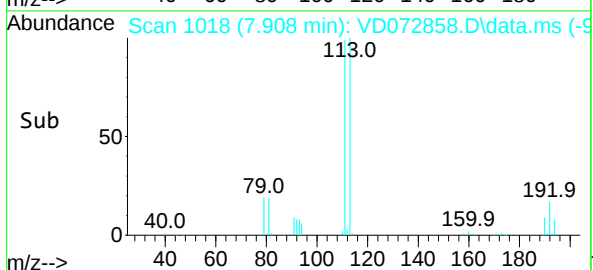
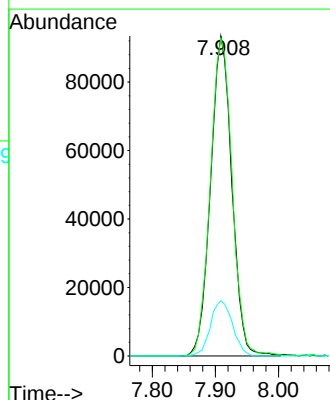
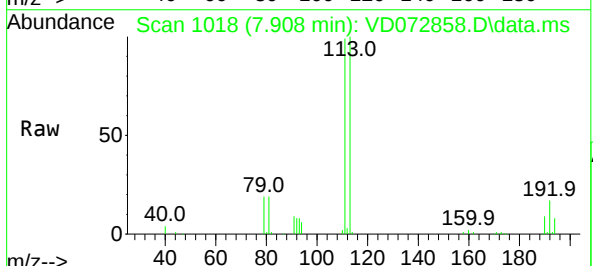
Tgt Ion:113 Resp: 218508

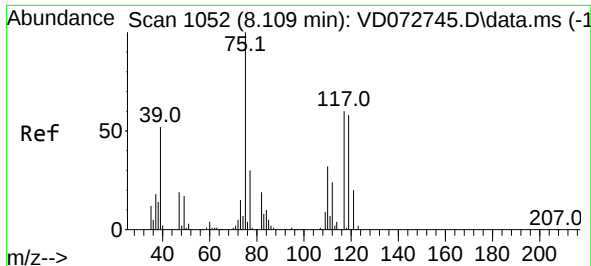
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.197 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072858.D

Acq: 06 May 2022 18:23

Instrument :

MSVOA_D

ClientSampleId :

SB-9,6

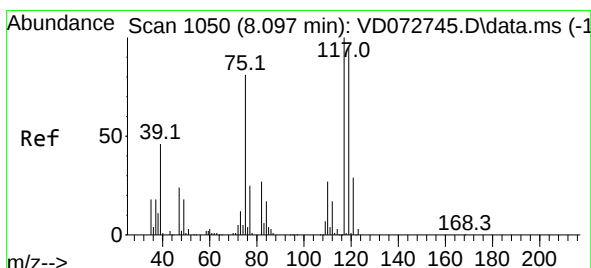
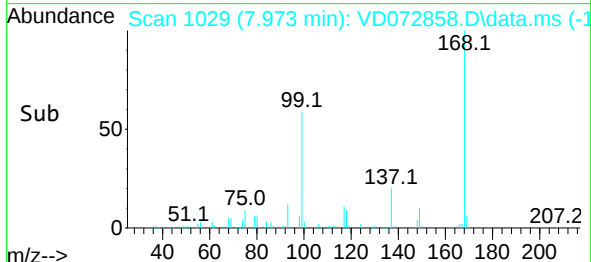
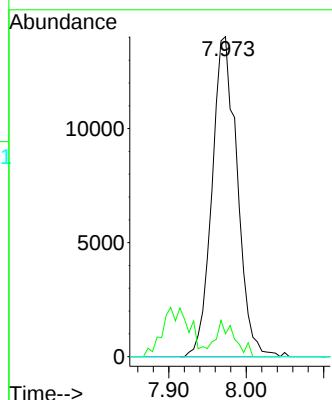
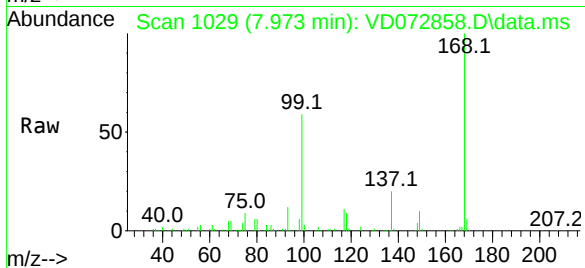
Tgt Ion: 75 Resp: 31632

Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.065 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD072858.D

Acq: 06 May 2022 18:23

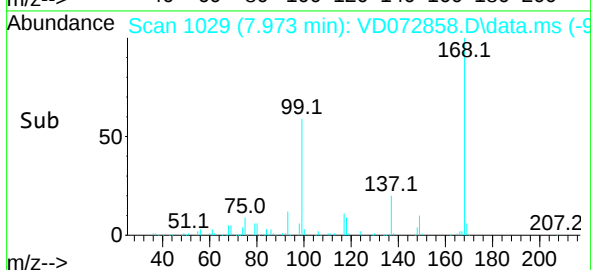
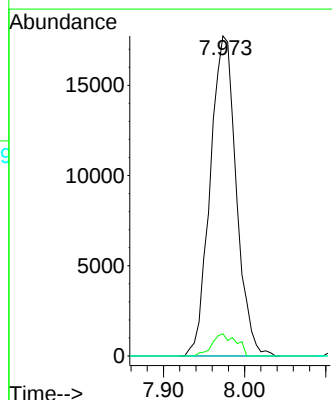
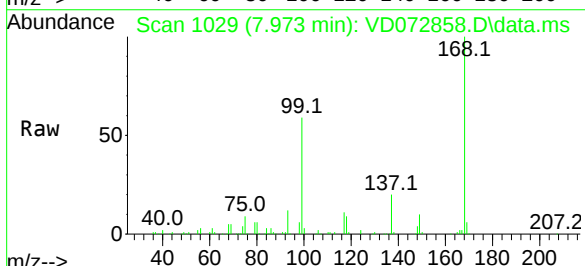
Tgt Ion: 117 Resp: 39623

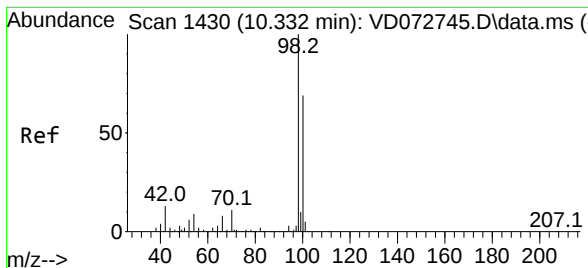
Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.6#

121 0.0 24.5 36.7#

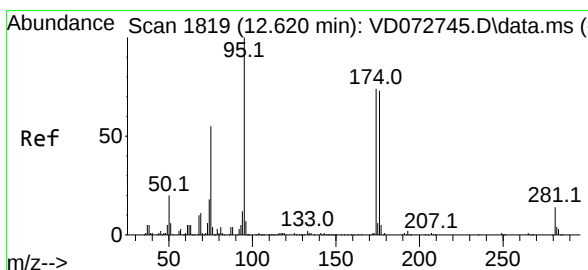
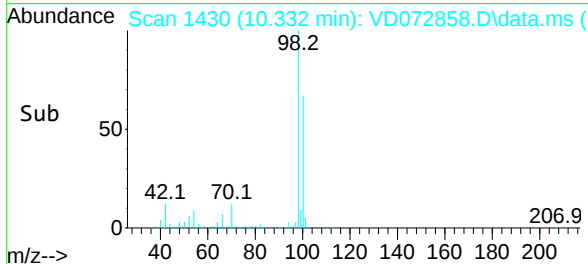
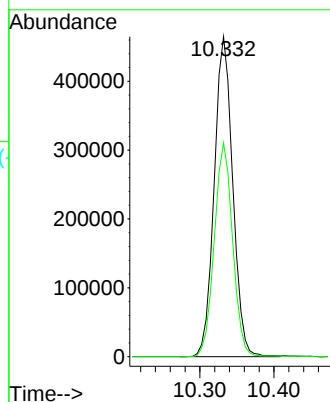
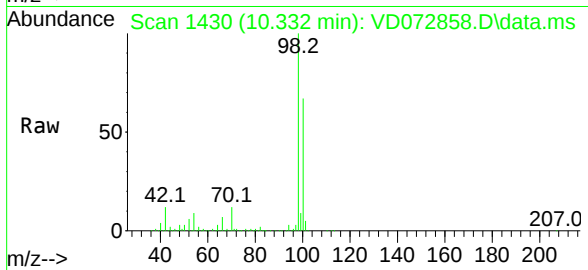




#50
Toluene-d8
Concen: 48.573 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072858.D
Acq: 06 May 2022 18:23

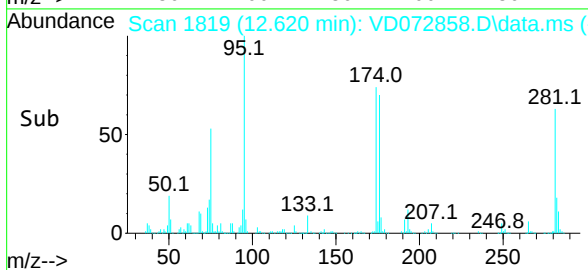
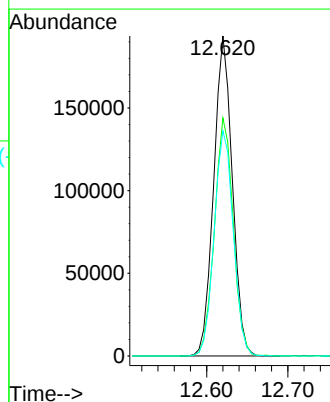
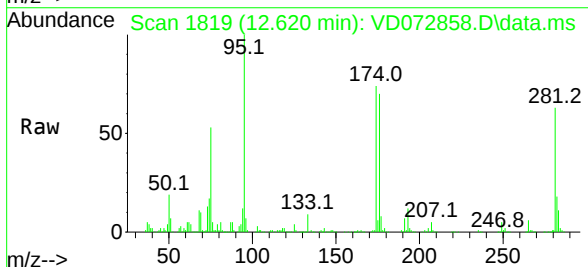
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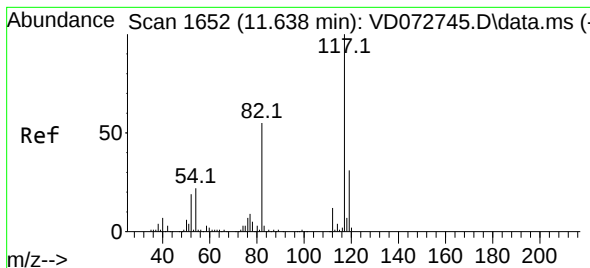
Tgt Ion: 98 Resp: 807547
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.701 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072858.D
Acq: 06 May 2022 18:23

Tgt Ion: 95 Resp: 308101
Ion Ratio Lower Upper
95 100
174 75.2 0.0 152.8
176 72.4 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: VD072858.D

Acq: 06 May 2022 18:23

Instrument :

MSVOA_D

ClientSampleId :

SB-9,6

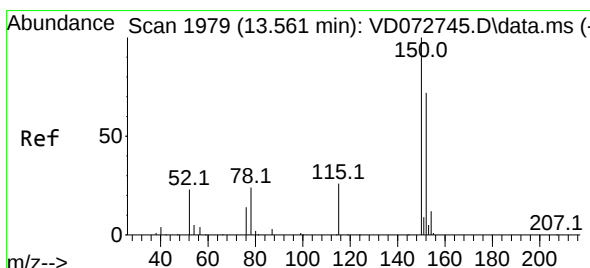
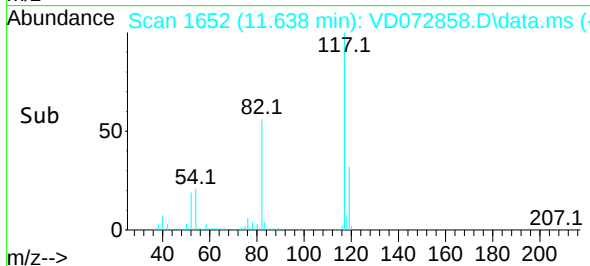
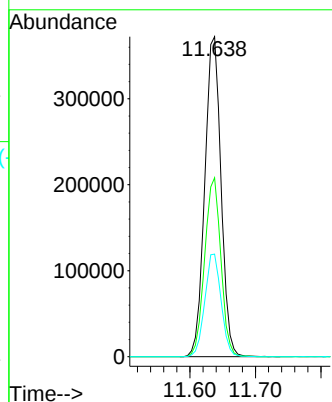
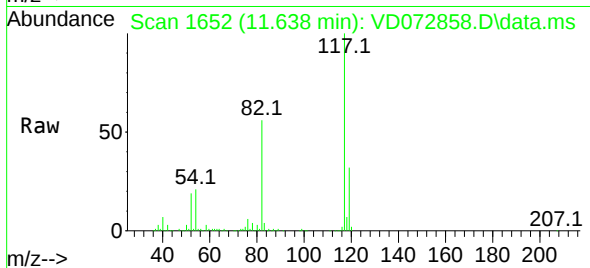
Tgt Ion:117 Resp: 641880

Ion Ratio Lower Upper

117 100

82 55.9 45.3 67.9

119 32.0 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD072858.D

Acq: 06 May 2022 18:23

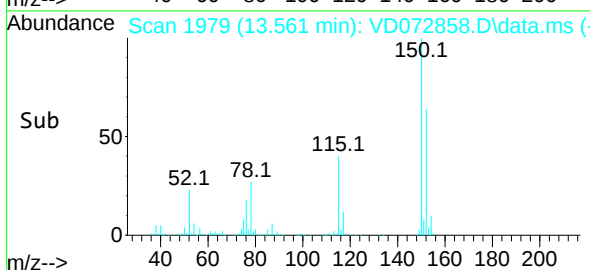
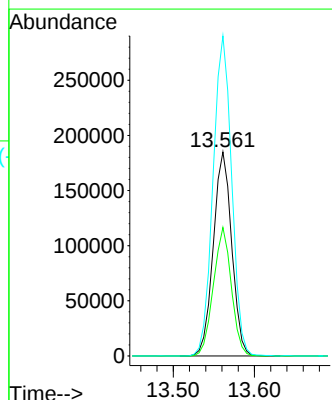
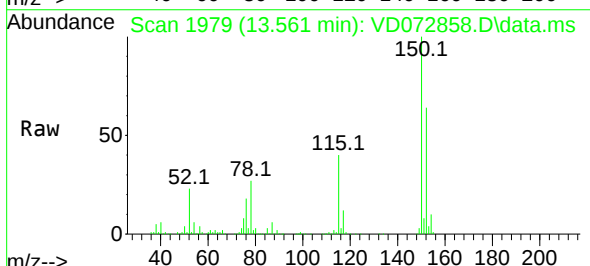
Tgt Ion:152 Resp: 291658

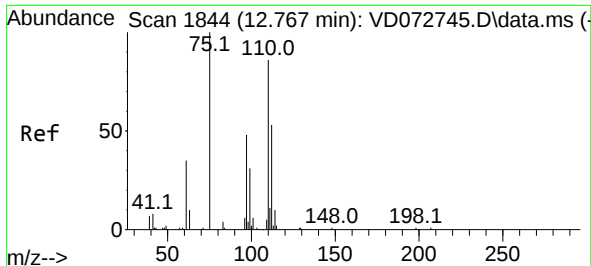
Ion Ratio Lower Upper

152 100

115 61.3 31.3 93.8

150 158.4 0.0 348.6

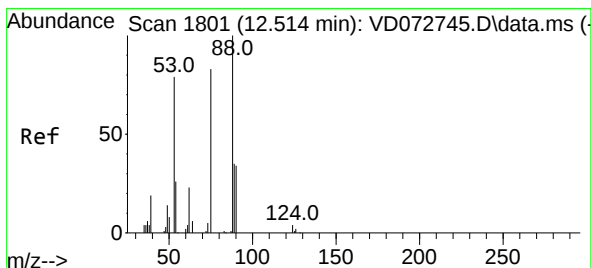
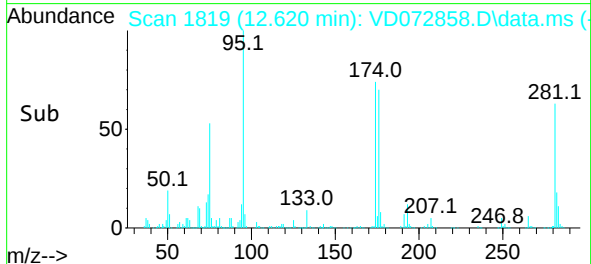
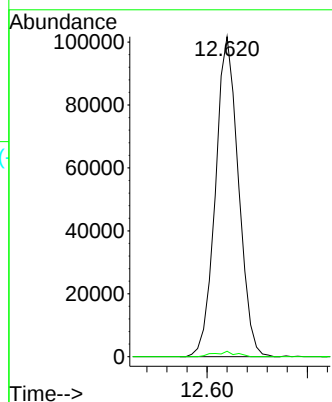
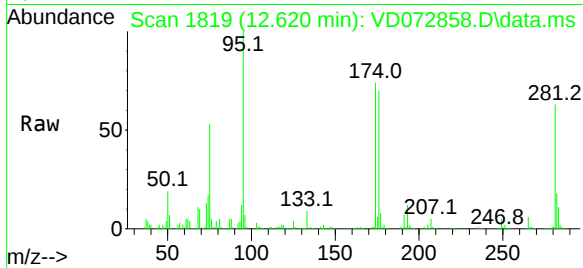




#76
1,2,3-Trichloropropane
Concen: 49.680 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072858.D
Acq: 06 May 2022 18:23

Instrument :
MSVOA_D
ClientSampleId :
SB-9,6

Tgt Ion: 75 Resp: 161568
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.244 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072858.D
Acq: 06 May 2022 18:23

Tgt Ion: 75 Resp: 161568
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

