

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072765.D
 Acq On : 03 May 2022 13:32
 Operator : VA/SY
 Sample : N2609-10RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-4

Quant Time: May 03 16:50:53 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)

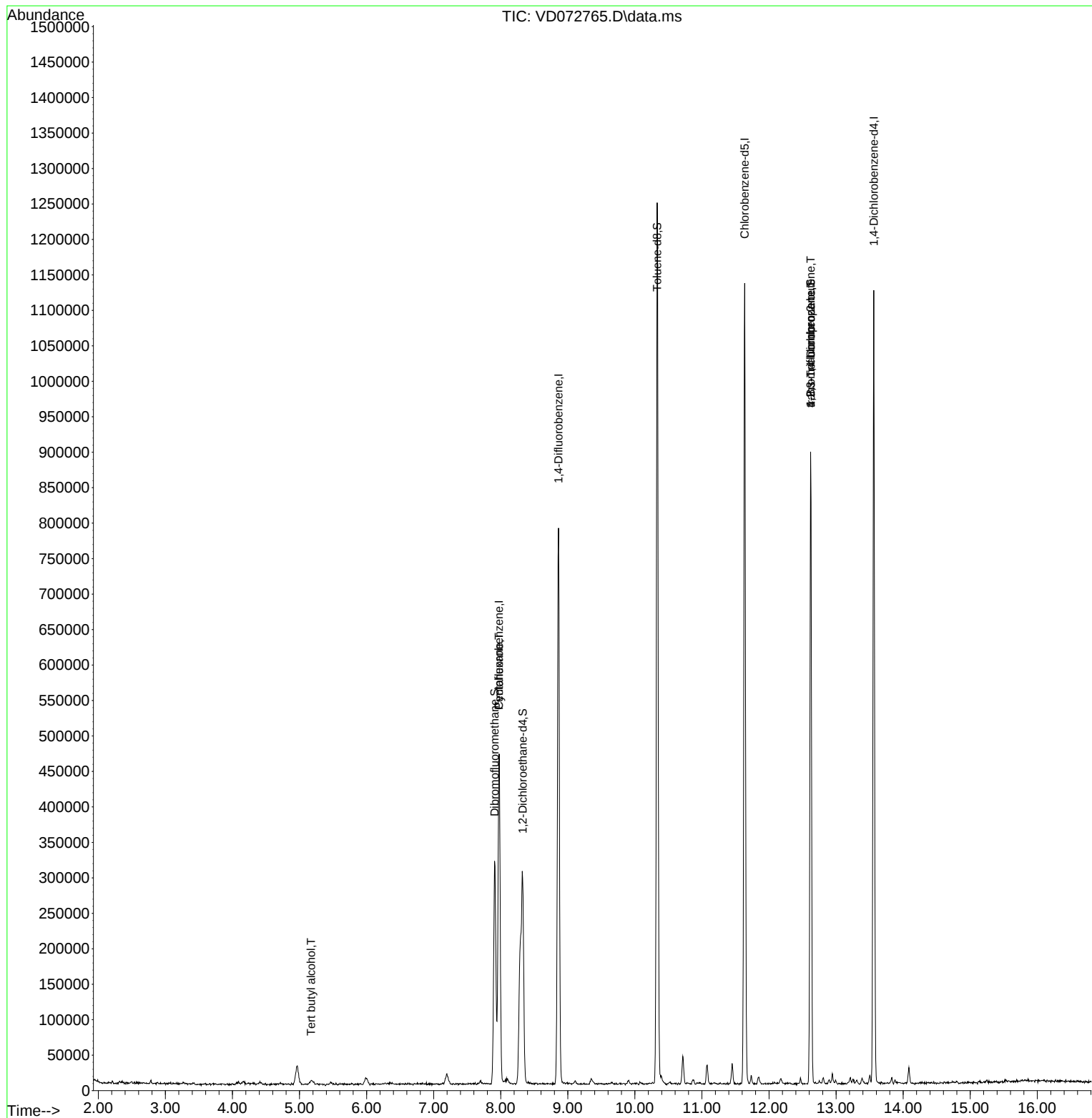
Internal Standards						
1) Pentafluorobenzene	7.973	168	331658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	667004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	638940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	276394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	218648	50.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.580%
35) Dibromofluoromethane	7.909	113	223909	47.798	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.600%
50) Toluene-d8	10.332	98	818623	48.717	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.440%
62) 4-Bromofluorobenzene	12.620	95	278230	44.406	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.820%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1795	Below Cal	#	71
11) Tert butyl alcohol	5.173	59	5345	14.349	ug/l #	74
16) Acetone	4.168	43	5956	Below Cal	#	73
18) Methyl Acetate	4.703	43	72	Below Cal	#	55
20) Methylene Chloride	4.962	84	19563	Below Cal	#	77
31) Cyclohexane	7.973	56	9436	1.254	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	147924	47.997	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	147924	110.372	ug/l #	7

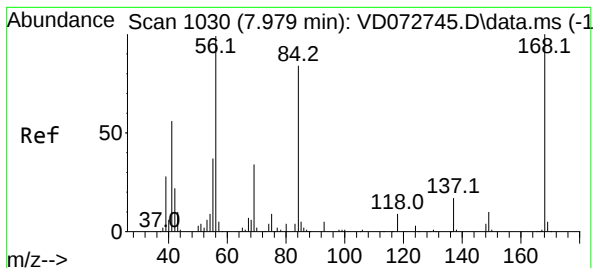
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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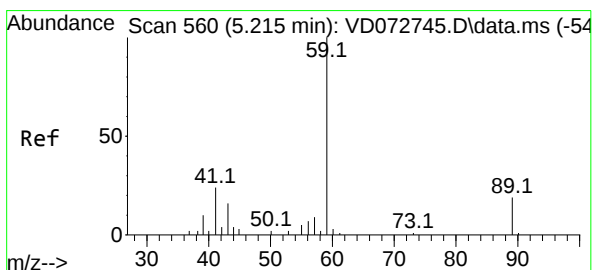
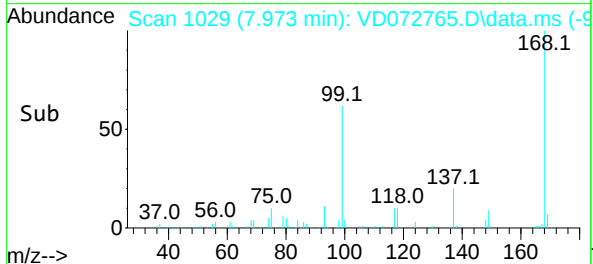
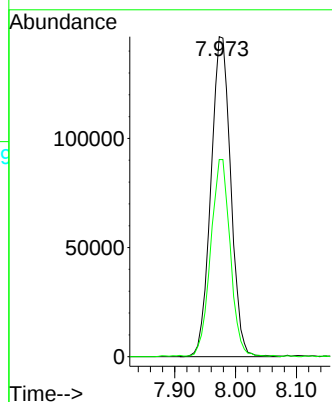
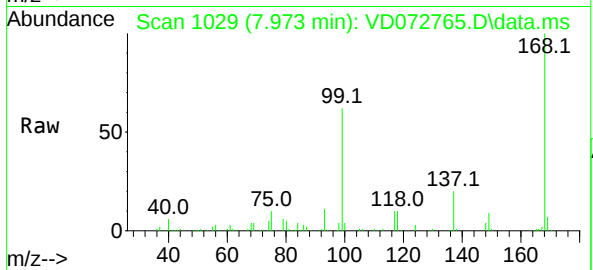




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

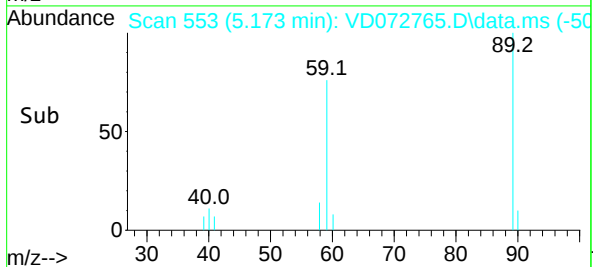
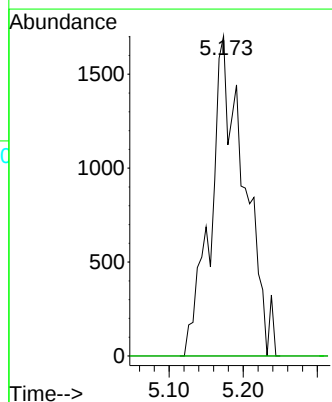
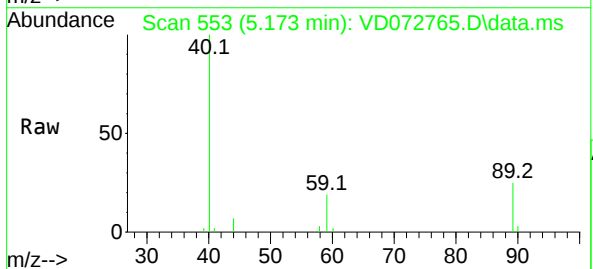
Instrument :
MSVOA_D
ClientSampleId :
WC-4

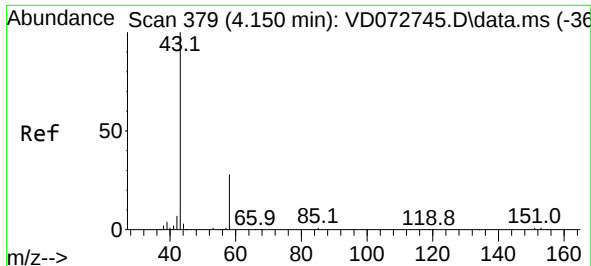
Tgt Ion:168 Resp: 331658
Ion Ratio Lower Upper
168 100
99 61.6 49.8 74.6



#11
Tert butyl alcohol
Concen: 14.349 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.042 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

Tgt Ion: 59 Resp: 5345
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

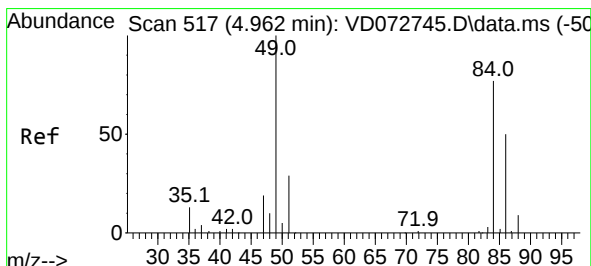
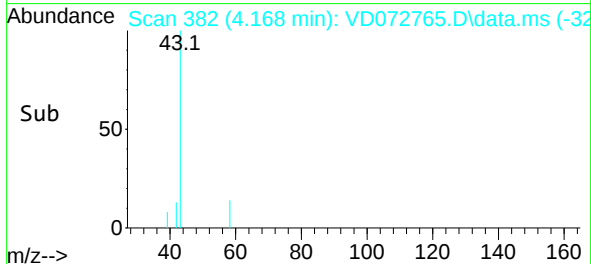
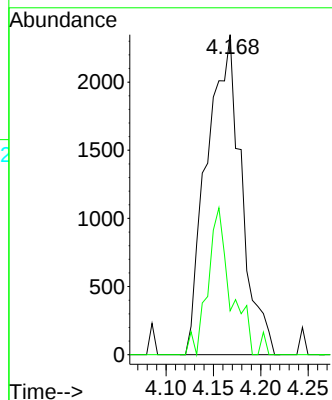
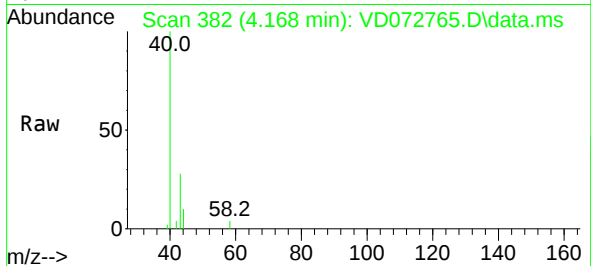




#16
Acetone
Concen: Below Cal
RT: 4.168 min Scan# 382
Delta R.T. 0.018 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

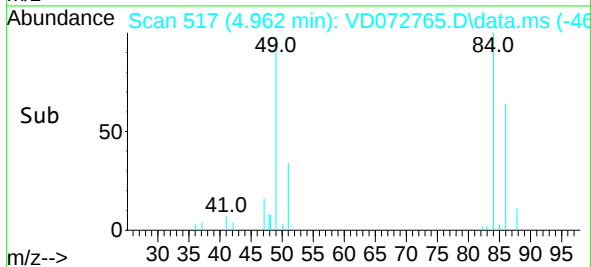
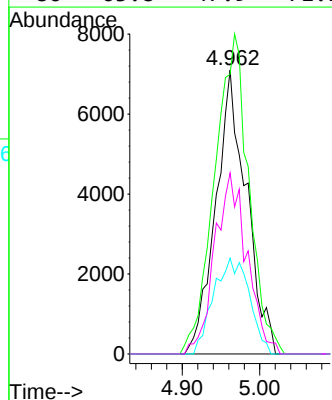
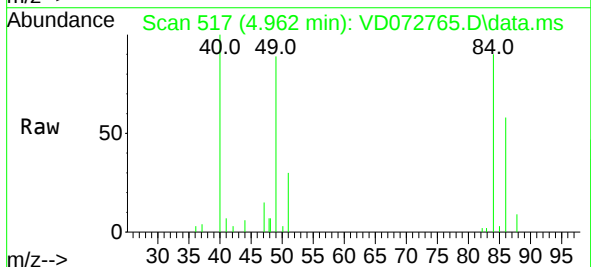
Instrument :
MSVOA_D
ClientSampleId :
WC-4

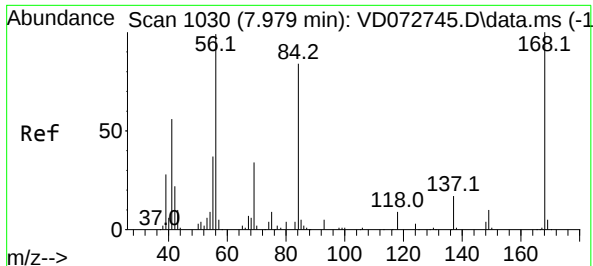
Tgt Ion: 43 Resp: 5956
Ion Ratio Lower Upper
43 100
58 13.7 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

Tgt Ion: 84 Resp: 19563
Ion Ratio Lower Upper
84 100
49 98.5 112.8 169.2#
51 33.7 32.6 48.8
86 63.8 47.9 71.9





#31

Cyclohexane

Concen: 1.254 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072765.D

Acq: 03 May 2022 13:32

Instrument :

MSVOA_D

ClientSampleId :

WC-4

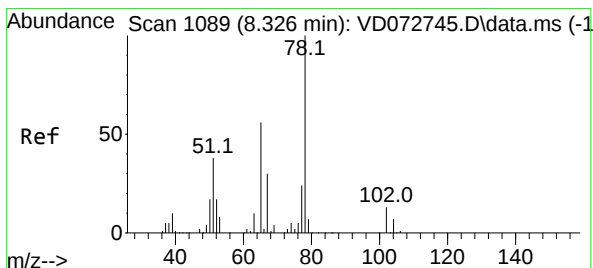
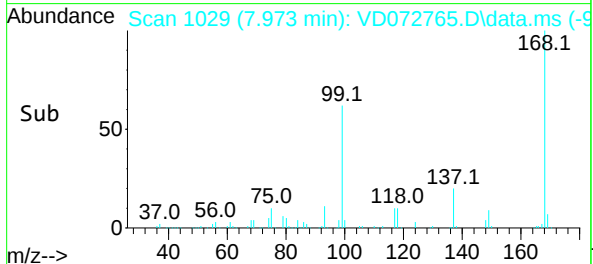
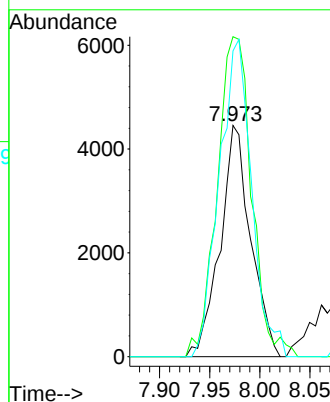
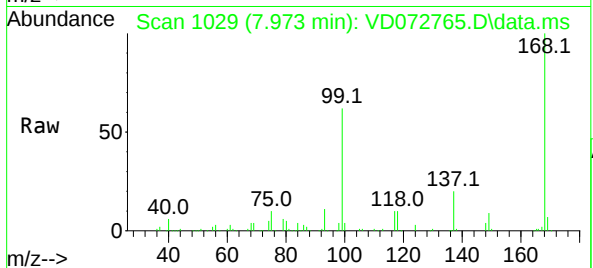
Tgt Ion: 56 Resp: 9436

Ion Ratio Lower Upper

56 100

69 138.4 25.4 38.2#

84 132.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 50.787 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072765.D

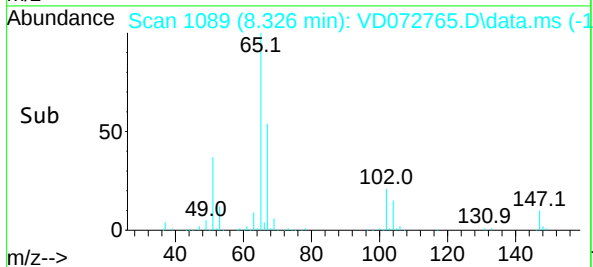
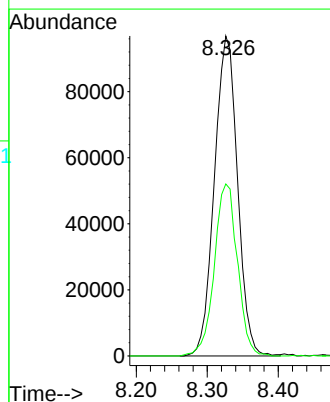
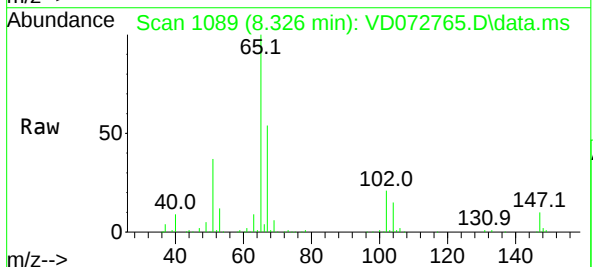
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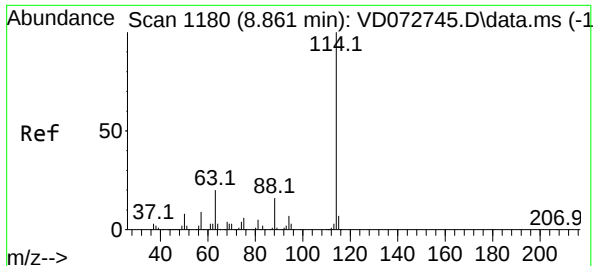
Tgt Ion: 65 Resp: 218648

Ion Ratio Lower Upper

65 100

67 53.8 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: VD072765.D

Acq: 03 May 2022 13:32

Instrument :

MSVOA_D

ClientSampleId :

WC-4

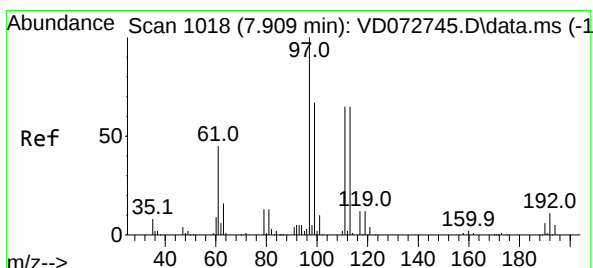
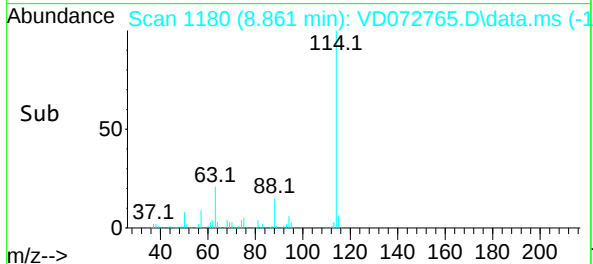
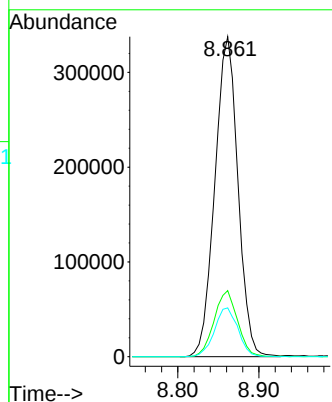
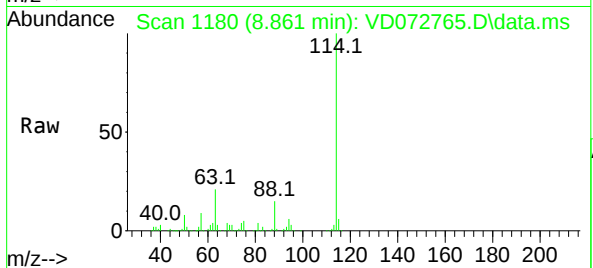
Tgt Ion:114 Resp: 667004

Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.798 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072765.D

Acq: 03 May 2022 13:32

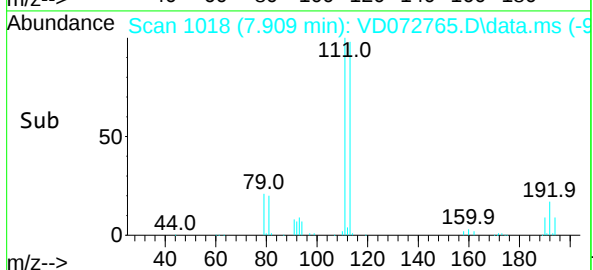
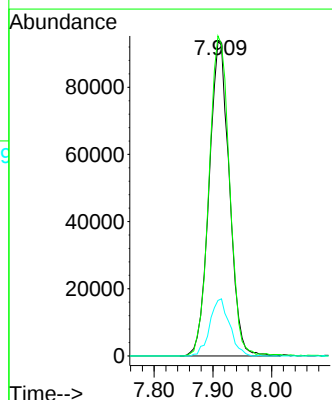
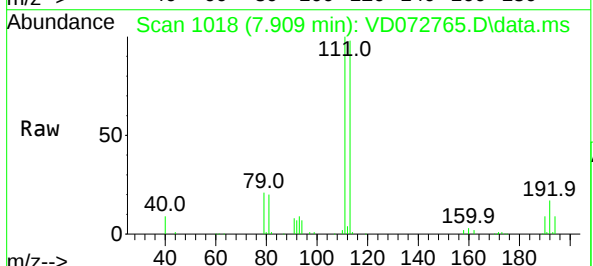
Tgt Ion:113 Resp: 223909

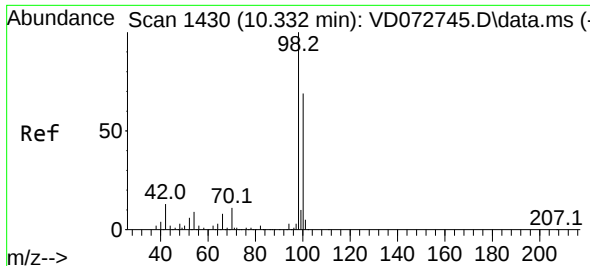
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 17.7 14.6 21.8

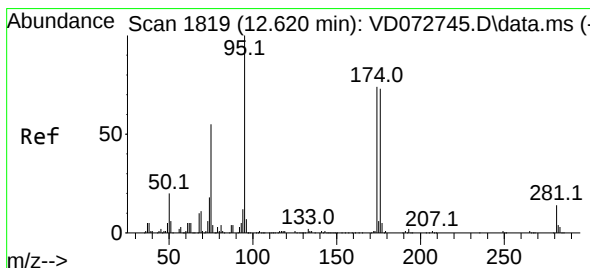
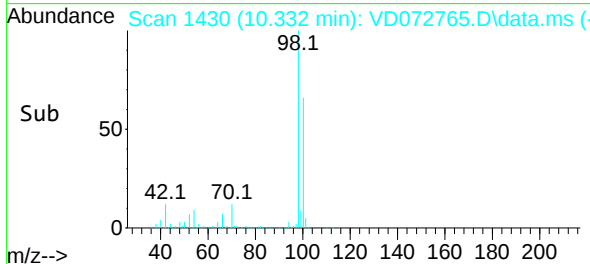
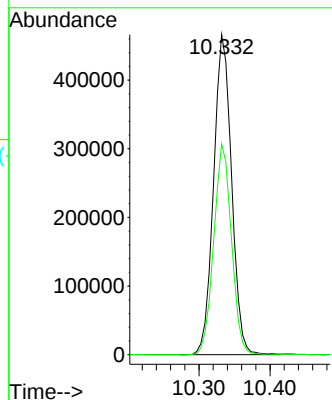
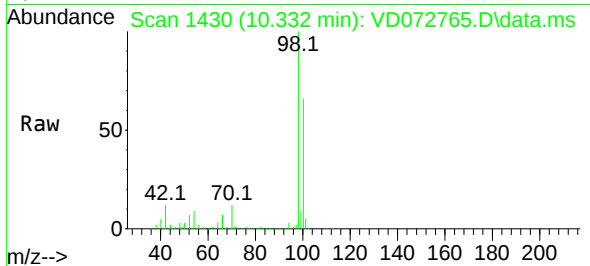




#50
Toluene-d8
Concen: 48.717 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

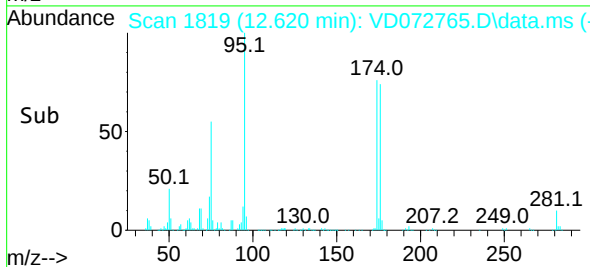
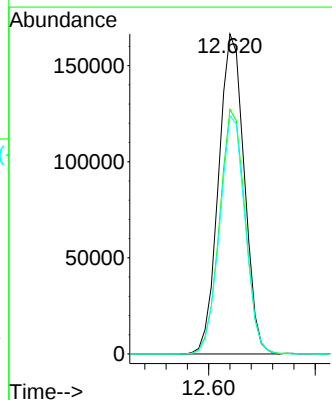
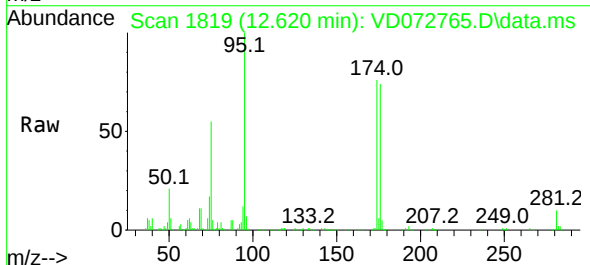
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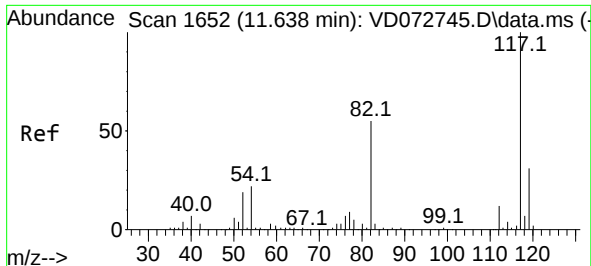
Tgt Ion: 98 Resp: 818623
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 44.406 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

Tgt Ion: 95 Resp: 278230
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 73.8 0.0 145.4

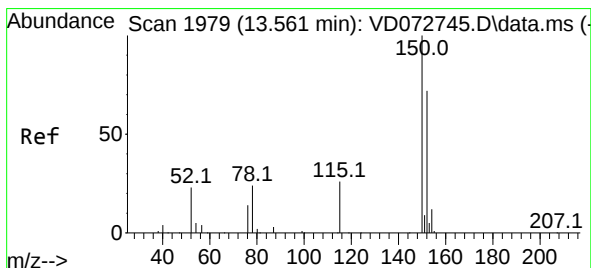
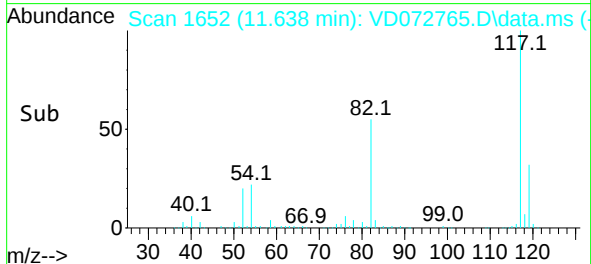
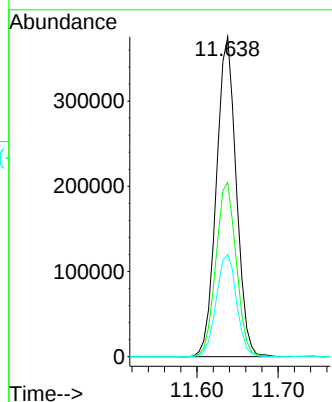
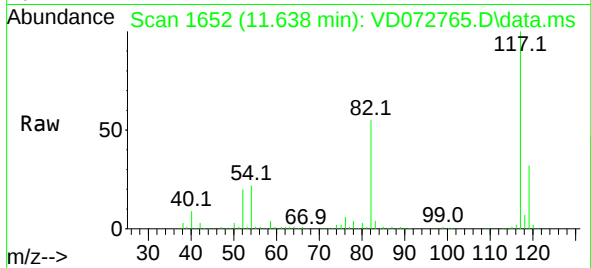




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

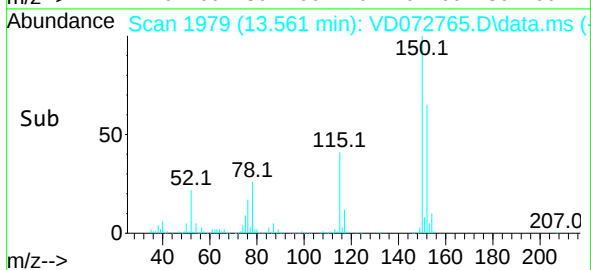
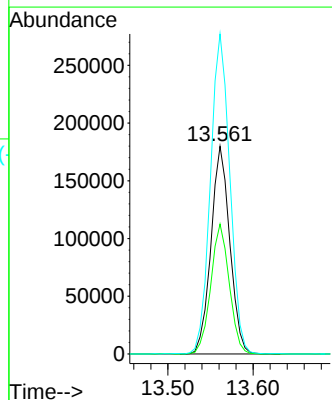
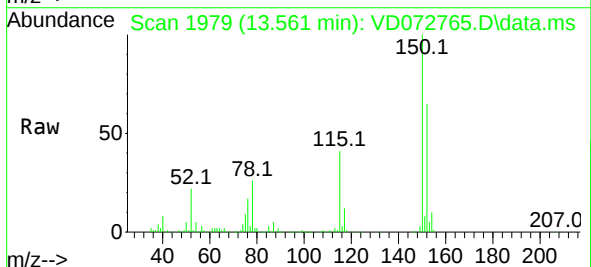
Instrument :
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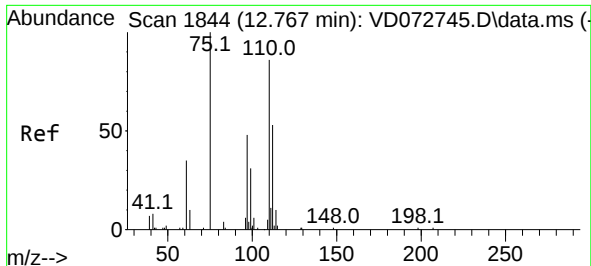
Tgt Ion:117 Resp: 638940
Ion Ratio Lower Upper
117 100
82 54.5 45.3 67.9
119 31.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

Tgt Ion:152 Resp: 276394
Ion Ratio Lower Upper
152 100
115 61.3 31.3 93.8
150 158.6 0.0 348.6

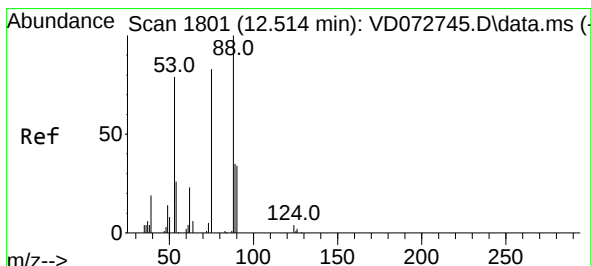
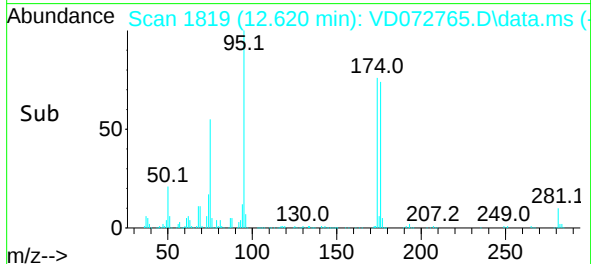
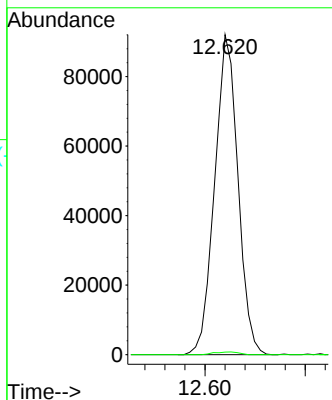
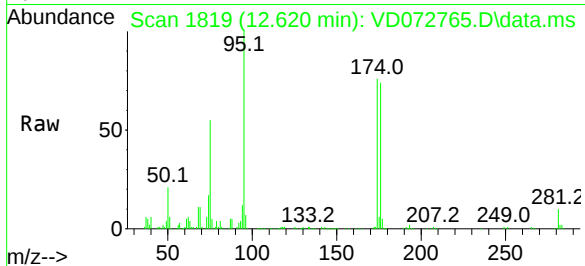




#76
1,2,3-Trichloropropane
Concen: 47.997 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

Instrument :
MSVOA_D
ClientSampleId :
WC-4

Tgt Ion: 75 Resp: 147924
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.372 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072765.D
Acq: 03 May 2022 13:32

Tgt Ion: 75 Resp: 147924
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#

