

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073038.D
 Acq On : 16 May 2022 16:39
 Operator : VA/SY
 Sample : N2816-18
 Misc : 5.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS010-0006-01

Quant Time: May 17 03:29:27 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)

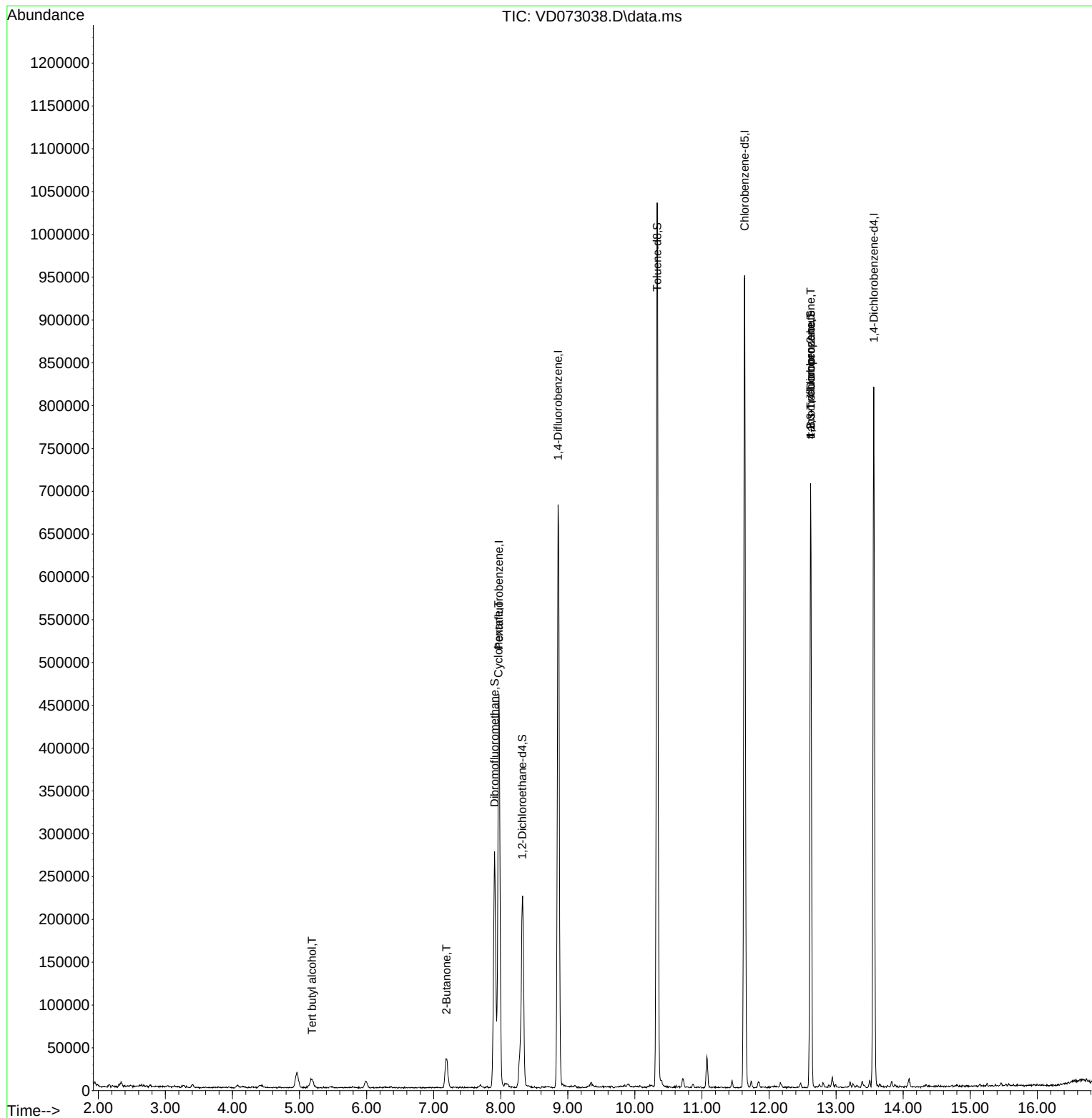
Internal Standards						
1) Pentafluorobenzene	7.973	168	328602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	578916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	551524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	208420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	176384	41.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.700%
35) Dibromofluoromethane	7.908	113	194367	47.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.620%
50) Toluene-d8	10.332	98	703773	48.255	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.520%
62) 4-Bromofluorobenzene	12.620	95	229460	42.195	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.380%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1027	Below Cal	#	49
11) Tert butyl alcohol	5.185	59	9980	27.042	ug/l #	74
16) Acetone	4.162	43	2729	Below Cal	#	47
18) Methyl Acetate	4.685	43	55	Below Cal	#	55
20) Methylene Chloride	4.962	84	13973	Below Cal		84
25) 2-Butanone	7.191	43	1830	1.472	ug/l	93
31) Cyclohexane	7.967	56	8868	1.189	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	116521	50.138	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	116521	115.296	ug/l #	7

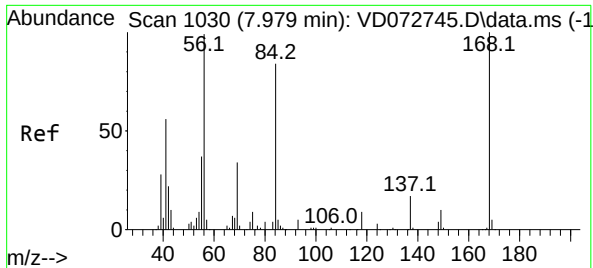
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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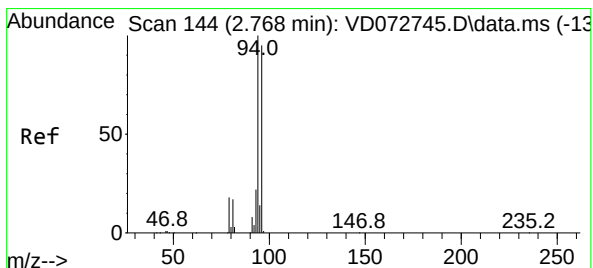
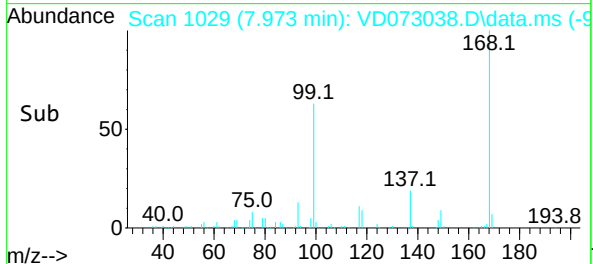
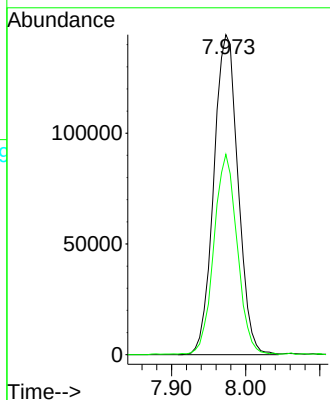
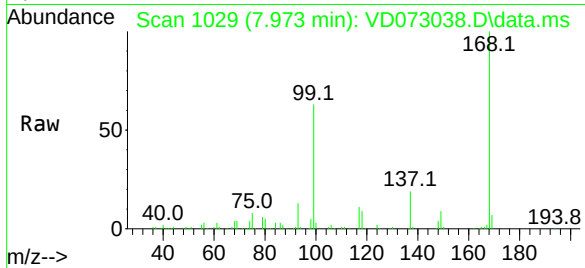




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073038.D
Acq: 16 May 2022 16:39

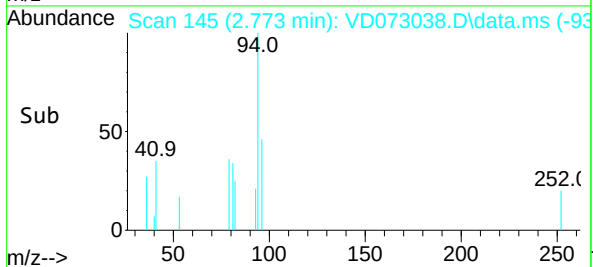
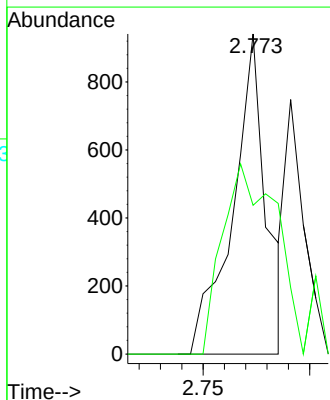
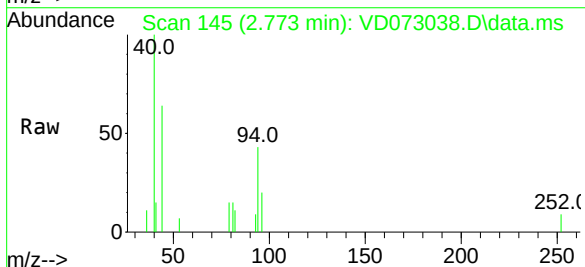
Instrument :
MSVOA_D
ClientSampleId :
P007-SS010-0006-01

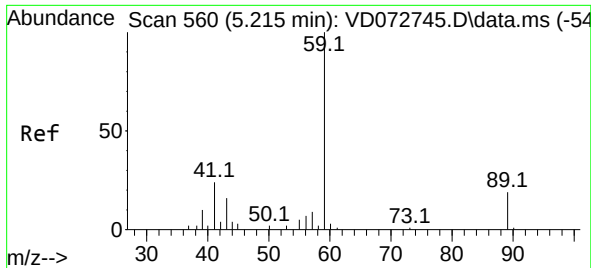
Tgt Ion:168 Resp: 328602
Ion Ratio Lower Upper
168 100
99 62.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073038.D
Acq: 16 May 2022 16:39

Tgt Ion: 94 Resp: 1027
Ion Ratio Lower Upper
94 100
96 46.4 77.6 116.4#

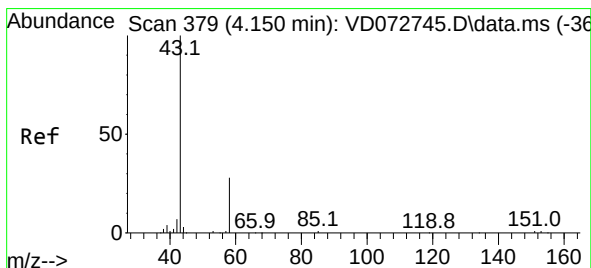
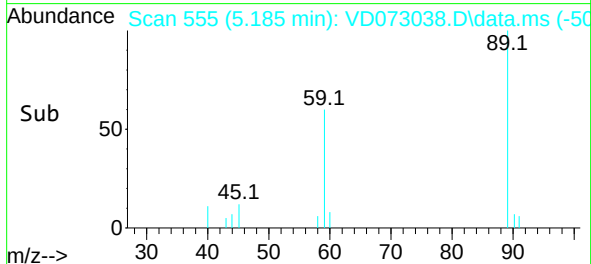
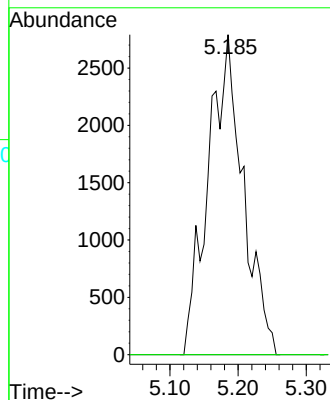
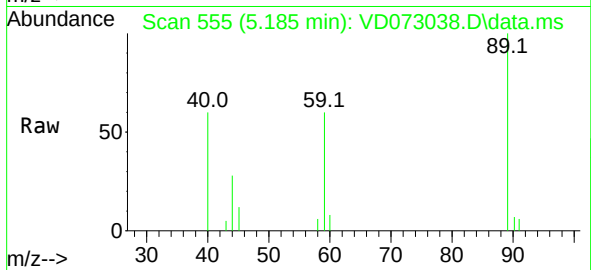




#11
Tert butyl alcohol
Concen: 27.042 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073038.D
Acq: 16 May 2022 16:39

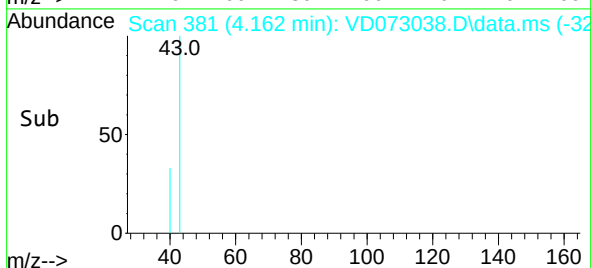
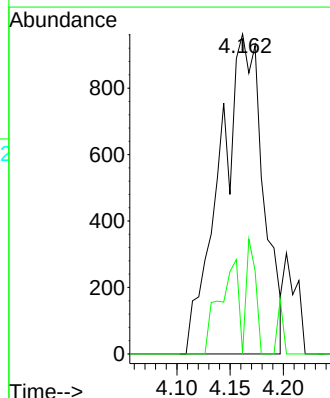
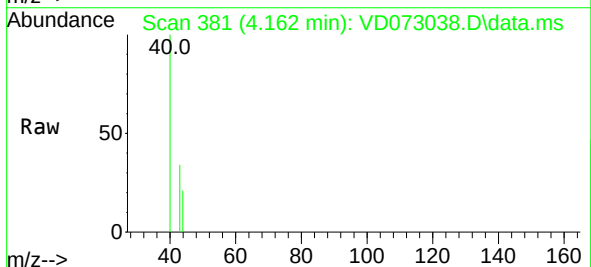
Instrument :
MSVOA_D
ClientSampleId :
P007-SS010-0006-01

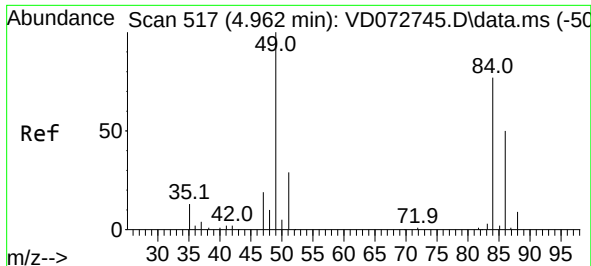
Tgt Ion: 59 Resp: 9980
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073038.D
Acq: 16 May 2022 16:39

Tgt Ion: 43 Resp: 2729
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



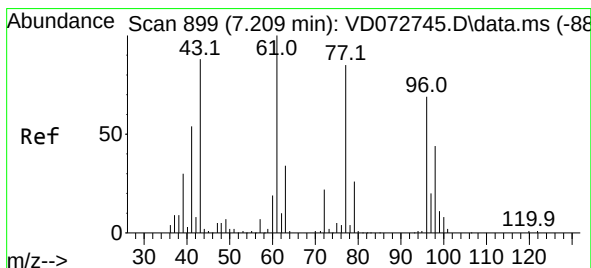
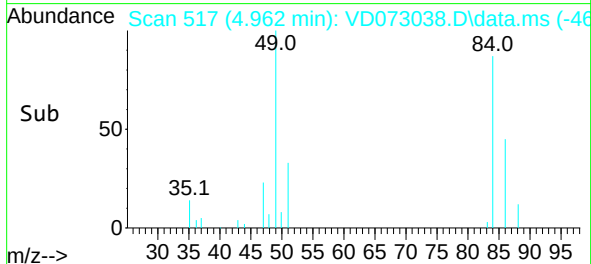
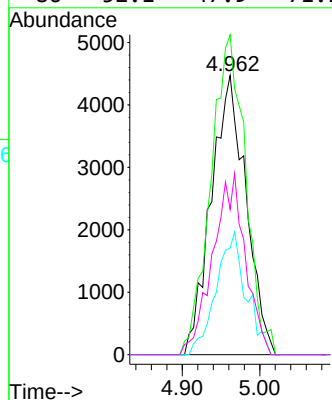
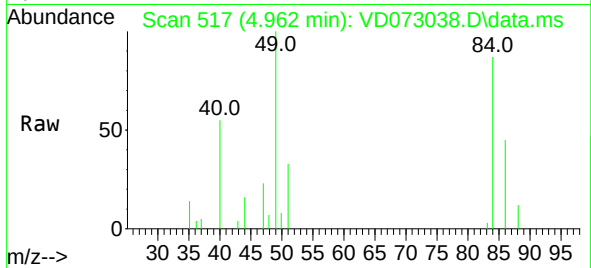


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073038.D
Acq: 16 May 2022 16:39

Instrument :
MSVOA_D
ClientSampleId :
P007-SS010-0006-01

Tgt Ion: 84 Resp: 13973

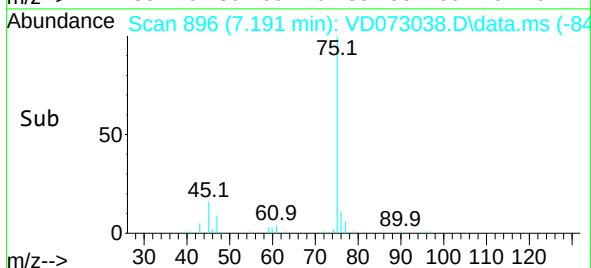
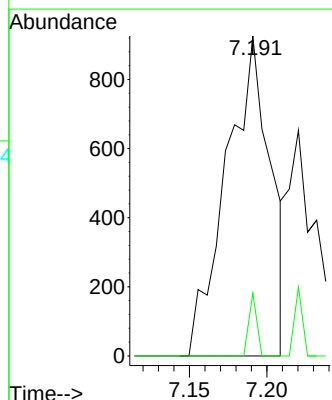
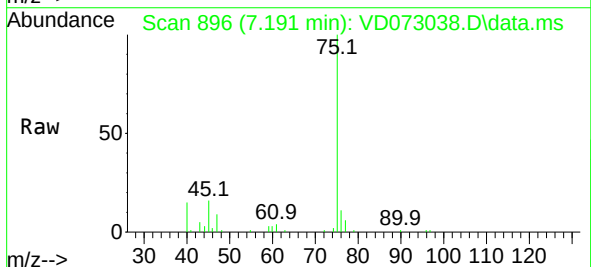
Ion	Ratio	Lower	Upper
84	100		
49	114.6	112.8	169.2
51	38.2	32.6	48.8
86	52.1	47.9	71.9

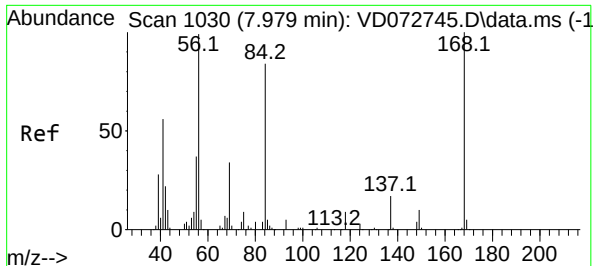


#25
2-Butanone
Concen: 1.472 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD073038.D
Acq: 16 May 2022 16:39

Tgt Ion: 43 Resp: 1830

Ion	Ratio	Lower	Upper
43	100		
72	19.7	18.6	27.8





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073038.D

Acq: 16 May 2022 16:39

Instrument :

MSVOA_D

ClientSampleId :

P007-SS010-0006-01

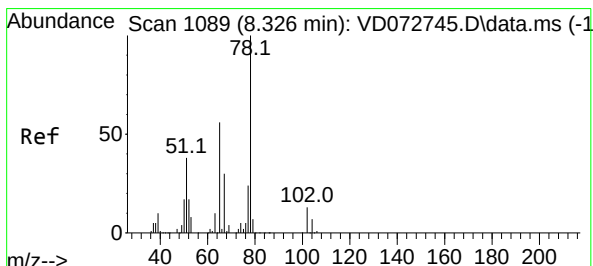
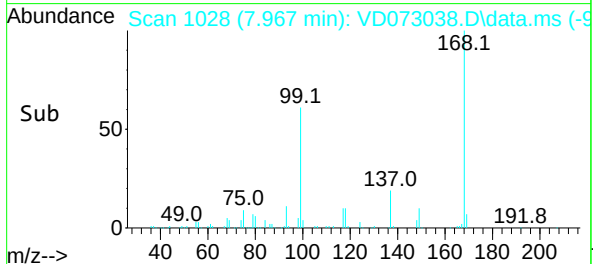
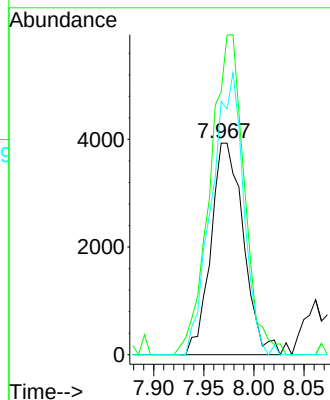
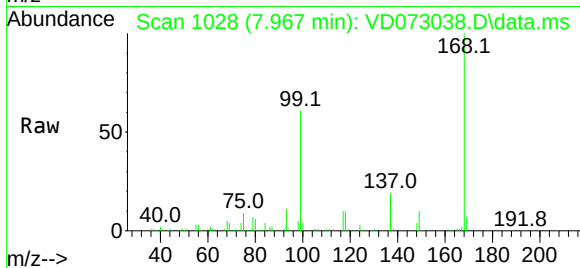
Tgt Ion: 56 Resp: 8868

Ion Ratio Lower Upper

56 100

69 120.4 25.4 38.2#

84 119.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 41.351 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073038.D

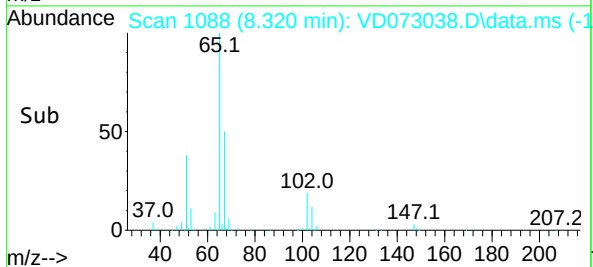
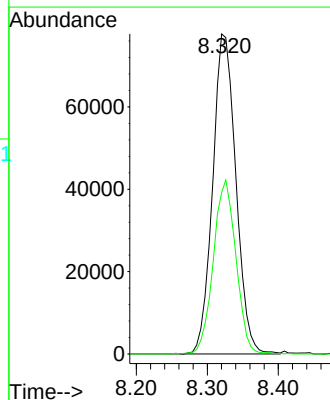
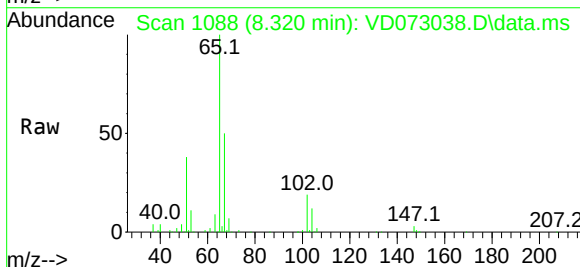
Acq: 16 May 2022 16:39

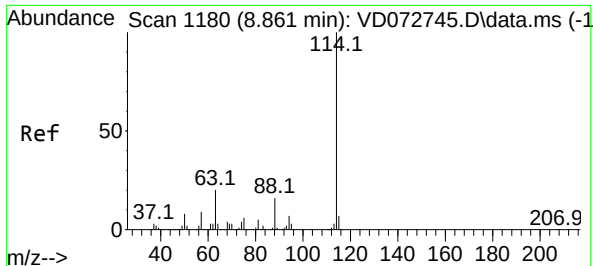
Tgt Ion: 65 Resp: 176384

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073038.D

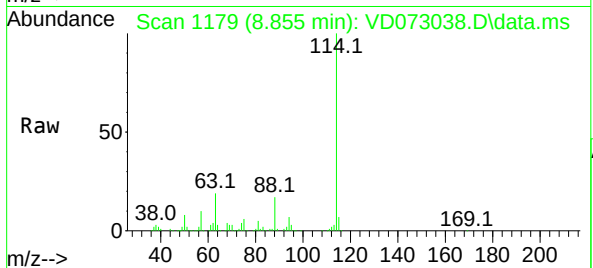
Acq: 16 May 2022 16:39

Instrument :

MSVOA_D

ClientSampleId :

P007-SS010-0006-01



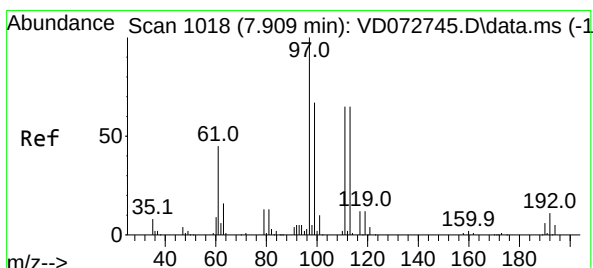
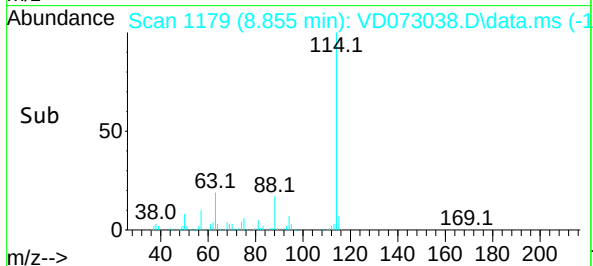
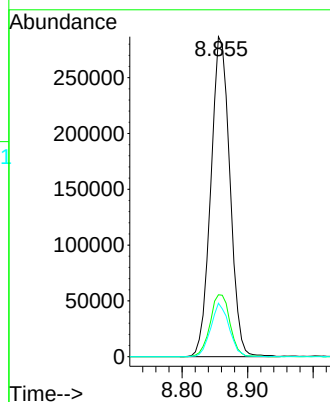
Tgt Ion:114 Resp: 578916

Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 16.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.805 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073038.D

Acq: 16 May 2022 16:39

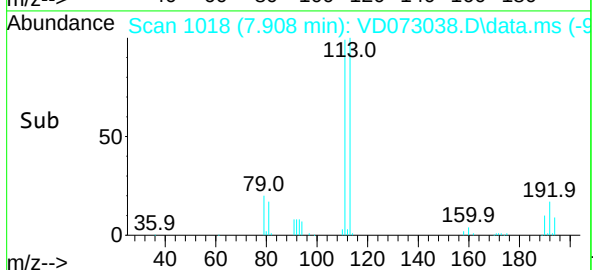
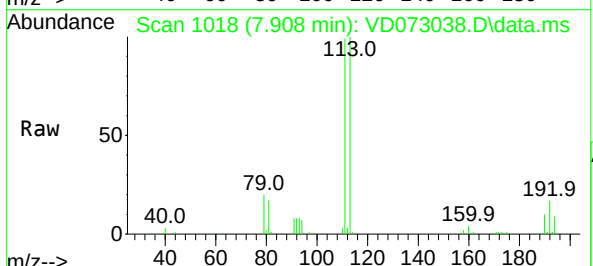
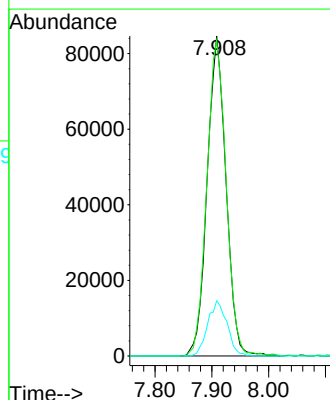
Tgt Ion:113 Resp: 194367

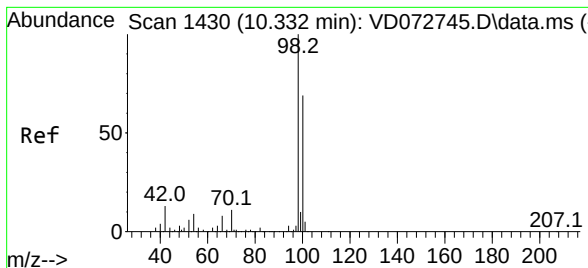
Ion Ratio Lower Upper

113 100

111 101.4 83.8 125.6

192 17.7 14.6 21.8





#50

Toluene-d8

Concen: 48.255 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073038.D

Acq: 16 May 2022 16:39

Instrument :

MSVOA_D

ClientSampleId :

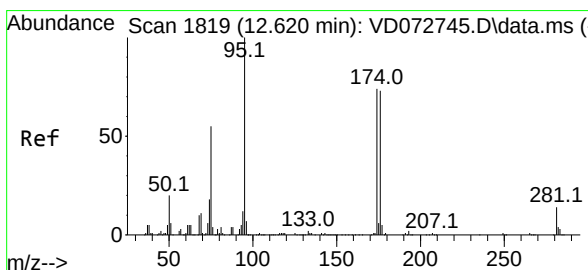
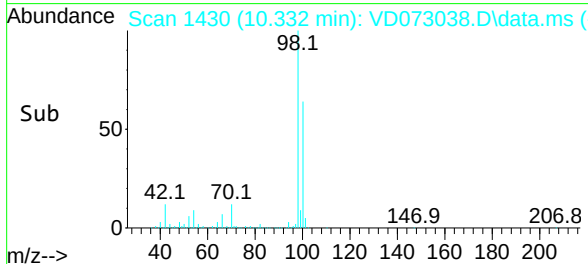
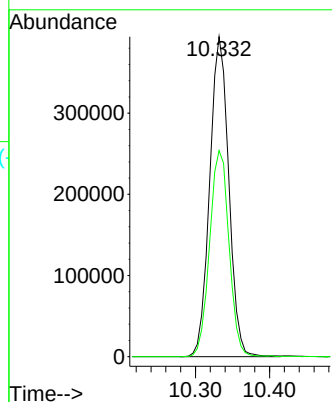
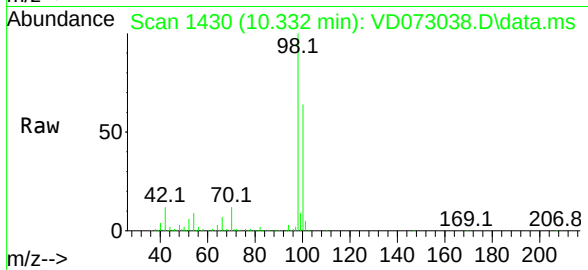
P007-SS010-0006-01

Tgt Ion: 98 Resp: 703773

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 42.195 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073038.D

Acq: 16 May 2022 16:39

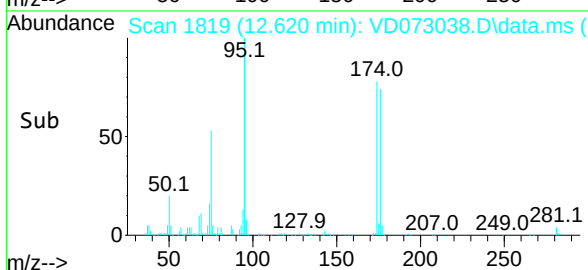
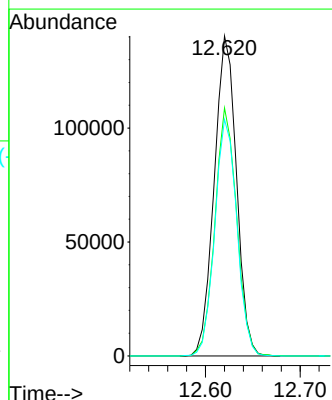
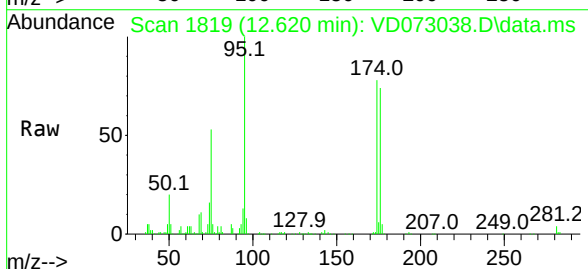
Tgt Ion: 95 Resp: 229460

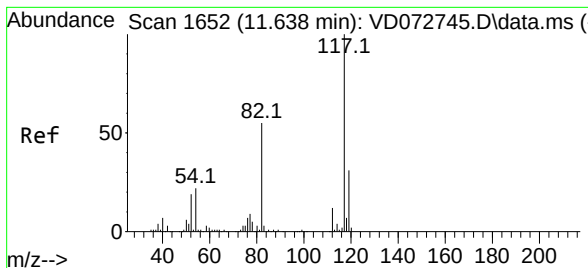
Ion Ratio Lower Upper

95 100

174 76.0 0.0 152.8

176 73.3 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: VD073038.D

Acq: 16 May 2022 16:39

Instrument :

MSVOA_D

ClientSampleId :

P007-SS010-0006-01

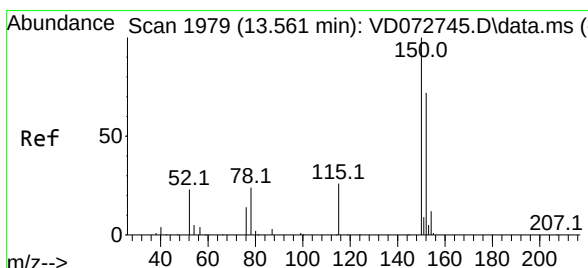
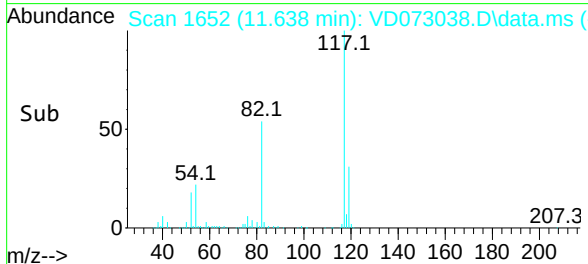
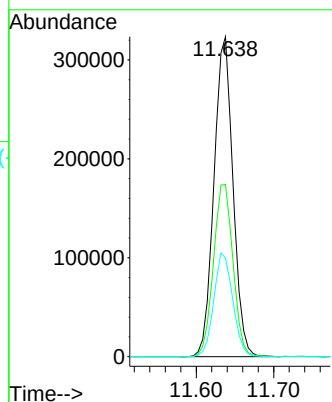
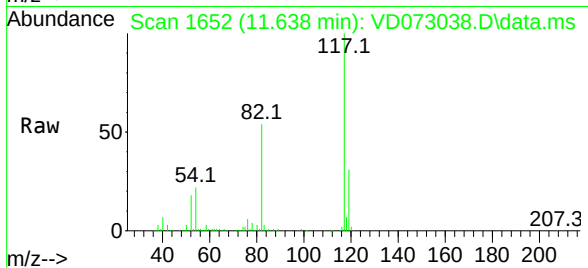
Tgt Ion:117 Resp: 551524

Ion Ratio Lower Upper

117 100

82 53.8 45.3 67.9

119 30.8 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: VD073038.D

Acq: 16 May 2022 16:39

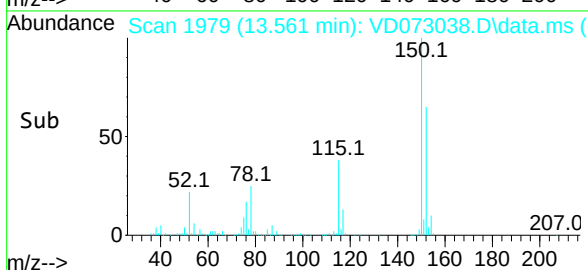
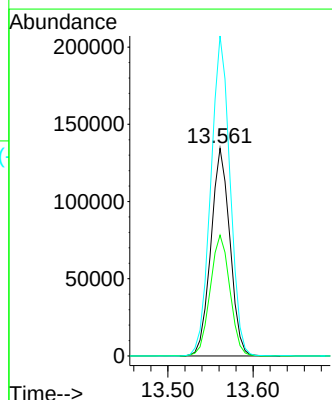
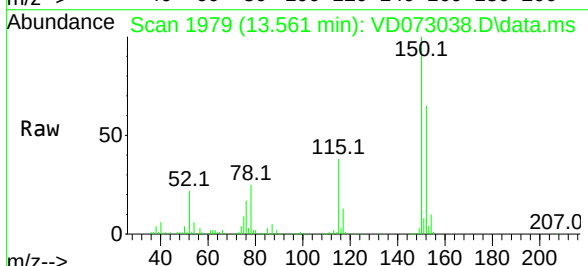
Tgt Ion:152 Resp: 208420

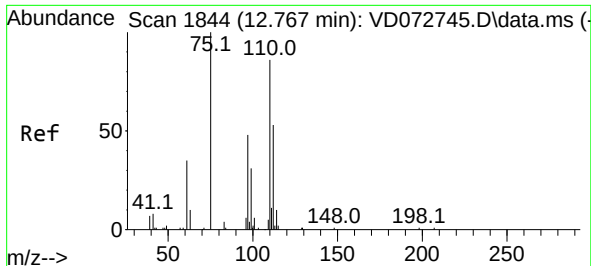
Ion Ratio Lower Upper

152 100

115 60.0 31.3 93.8

150 156.0 0.0 348.6

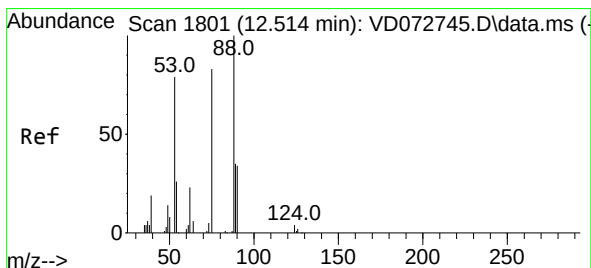
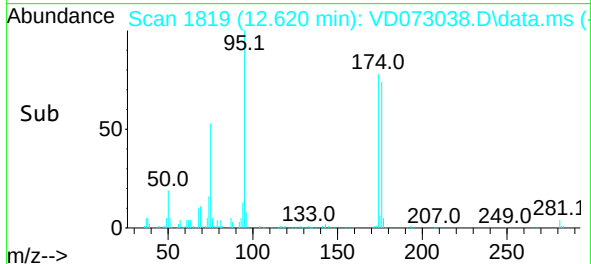
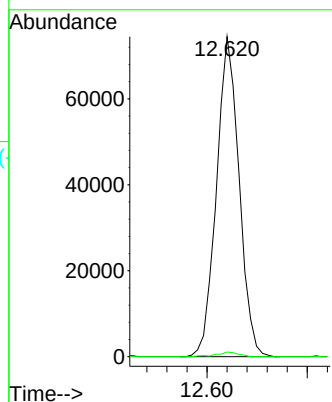
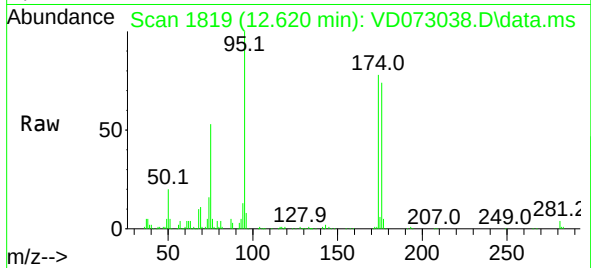




#76
1,2,3-Trichloropropane
Concen: 50.138 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073038.D
Acq: 16 May 2022 16:39

Instrument :
MSVOA_D
ClientSampleId :
P007-SS010-0006-01

Tgt Ion: 75 Resp: 116521
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.296 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073038.D
Acq: 16 May 2022 16:39

Tgt Ion: 75 Resp: 116521
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#

