

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
 Data File : VD071752.D
 Acq On : 19 Jan 2022 19:01
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 20 05:00:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

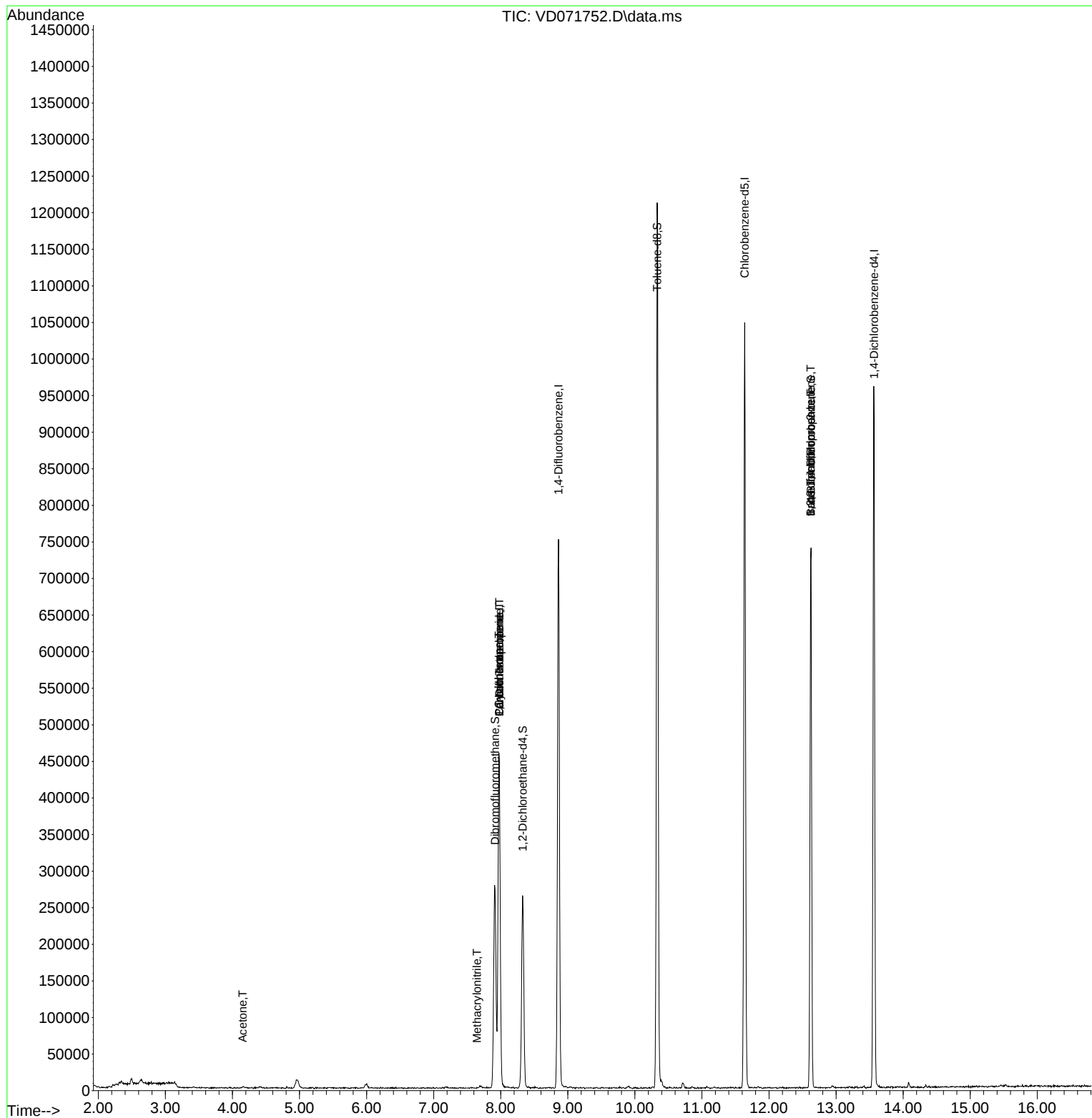
Internal Standards						
1) Pentafluorobenzene	7.979	168	314910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	591409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	543463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	226448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	216987	53.551	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.100%	
35) Dibromofluoromethane	7.914	113	197658	50.572	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.140%	
50) Toluene-d8	10.332	98	767326	52.446	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.900%	
62) 4-Bromofluorobenzene	12.626	95	228084	44.241	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.979	85	163	Below Cal	#	43
3) Chloromethane	2.215	50	323	Below Cal	#	67
5) Bromomethane	2.762	94	280	Below Cal	#	4
16) Acetone	4.150	43	2107	2.252	ug/l	91
18) Methyl Acetate	4.720	43	70	Below Cal	#	56
20) Methylene Chloride	4.962	84	8381	Below Cal	#	83
31) Cyclohexane	7.973	56	9852	2.066	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	29620	5.313	ug/l #	52
38) Carbon Tetrachloride	7.979	117	35361	6.263	ug/l #	18
41) Methacrylonitrile	7.644	41	54	1.163	ug/l #	25
71) Bromoform	12.620	173	2368	1.230	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	130816	59.785	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	130816	166.673	ug/l #	3

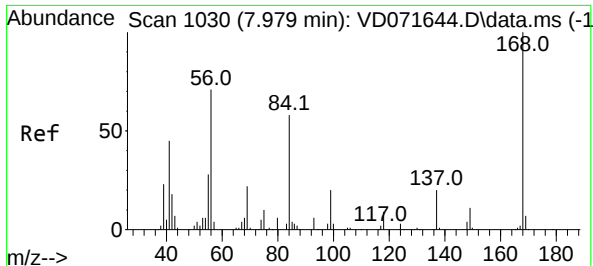
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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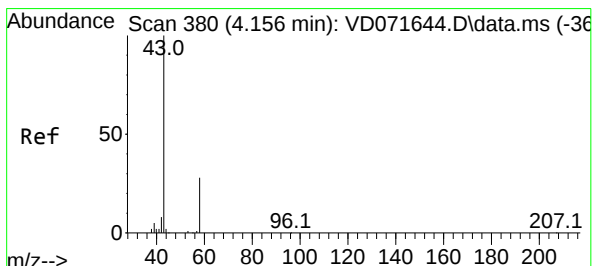
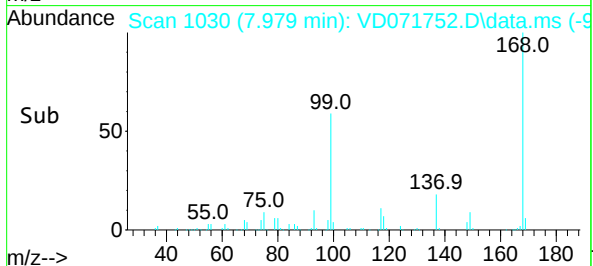
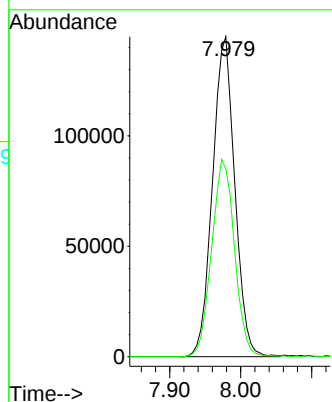
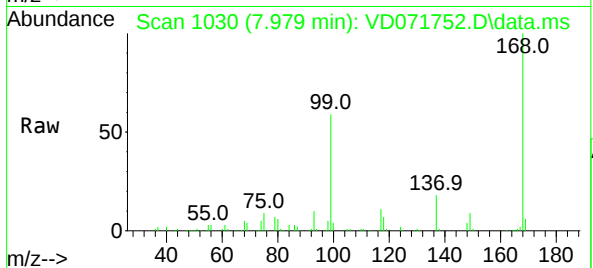




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071752.D
Acq: 19 Jan 2022 19:01

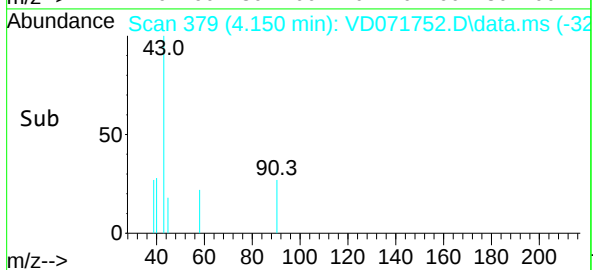
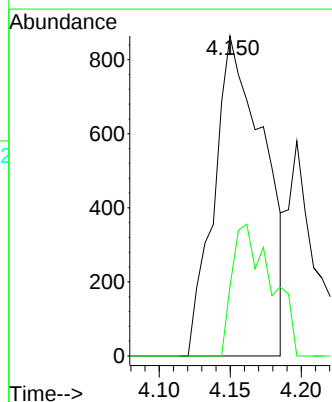
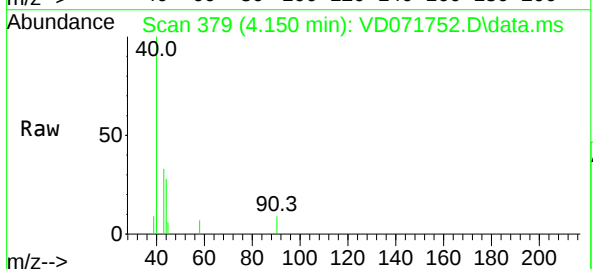
Instrument :
MSVOA_D
ClientSampleId :

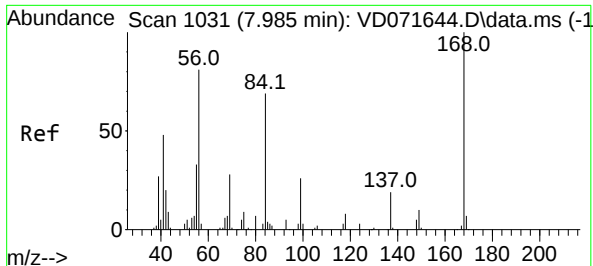
Tgt Ion:168 Resp: 314910
Ion Ratio Lower Upper
168 100
99 58.7 51.8 77.6



#16
Acetone
Concen: 2.252 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.005 min
Lab File: VD071752.D
Acq: 19 Jan 2022 19:01

Tgt Ion: 43 Resp: 2107
Ion Ratio Lower Upper
43 100
58 21.8 21.0 31.6





#31

Cyclohexane

Concen: 2.066 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.017 min

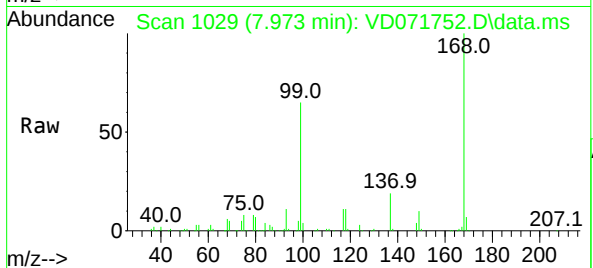
Lab File: VD071752.D

Acq: 19 Jan 2022 19:01

Instrument :

MSVOA_D

ClientSampleId :



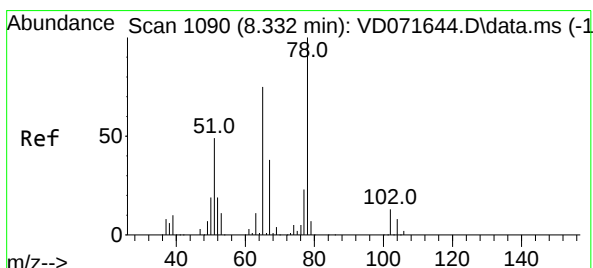
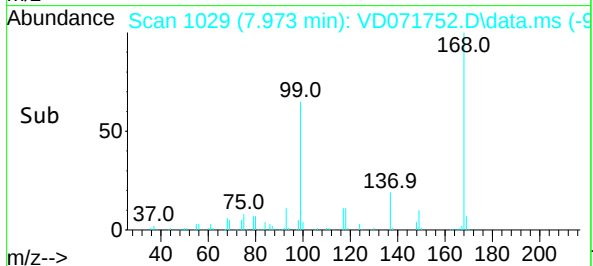
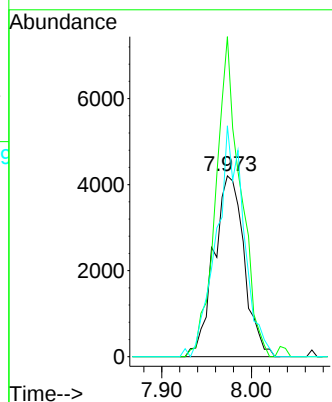
Tgt Ion: 56 Resp: 9852

Ion Ratio Lower Upper

56 100

69 176.9 21.7 32.5#

84 127.7 65.7 98.5#



#33

1,2-Dichloroethane-d4

Concen: 53.551 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071752.D

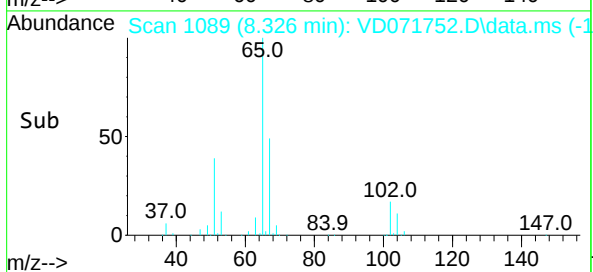
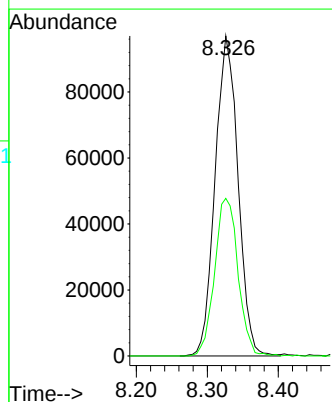
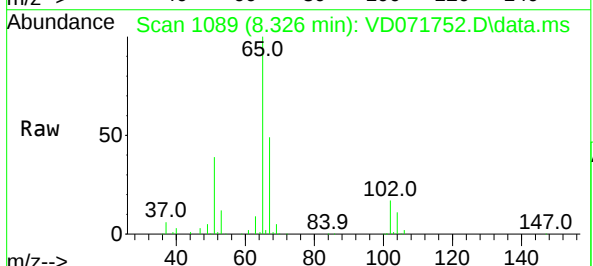
Acq: 19 Jan 2022 19:01

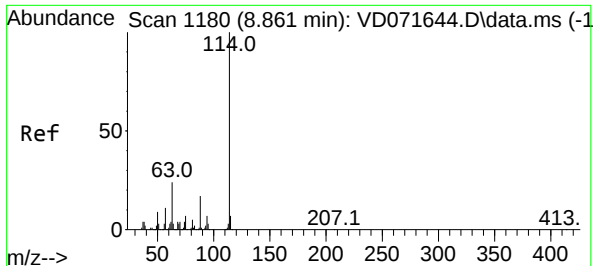
Tgt Ion: 65 Resp: 216987

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071752.D

Acq: 19 Jan 2022 19:01

Instrument :

MSVOA_D

ClientSampleId :

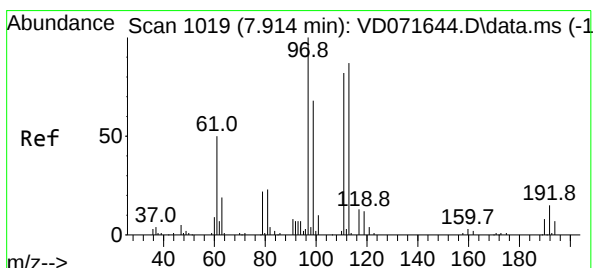
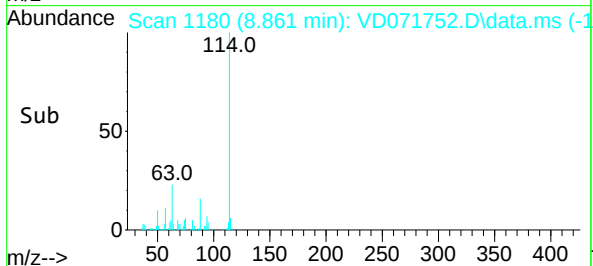
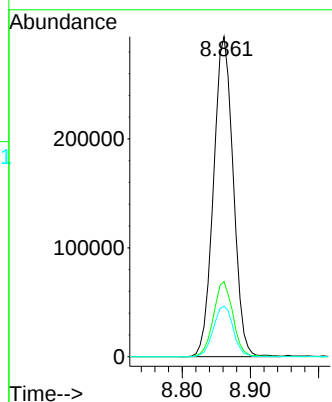
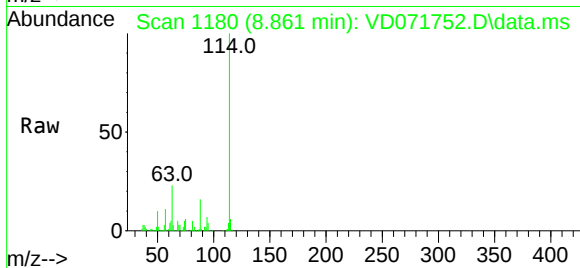
Tgt Ion:114 Resp: 591409

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.2

88 15.8 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.572 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071752.D

Acq: 19 Jan 2022 19:01

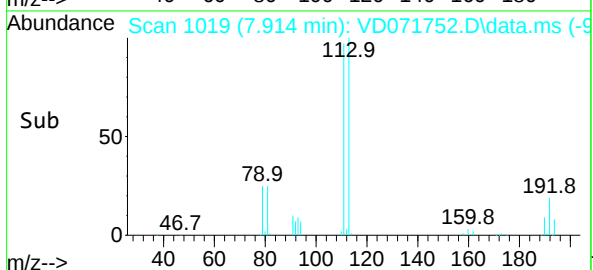
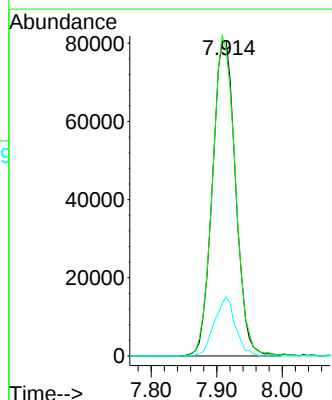
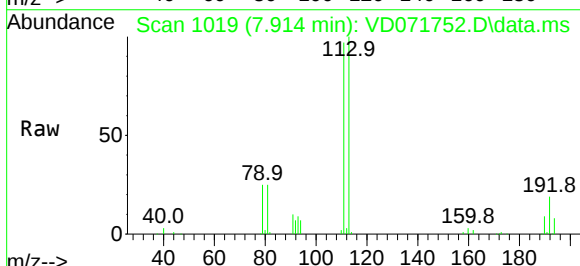
Tgt Ion:113 Resp: 197658

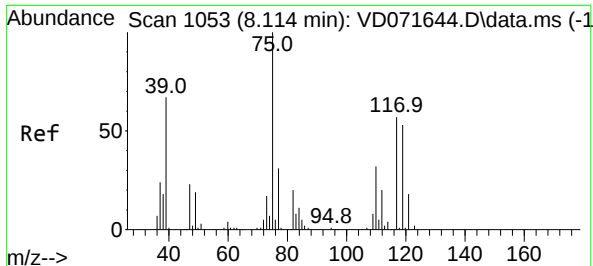
Ion Ratio Lower Upper

113 100

111 100.2 82.2 123.4

192 16.9 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.313 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071752.D

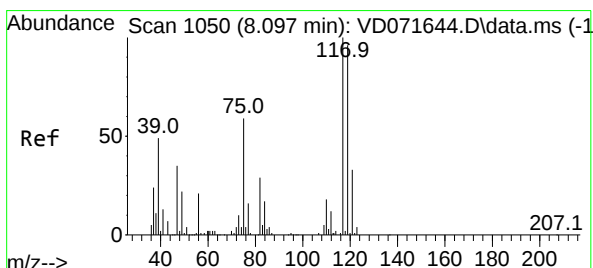
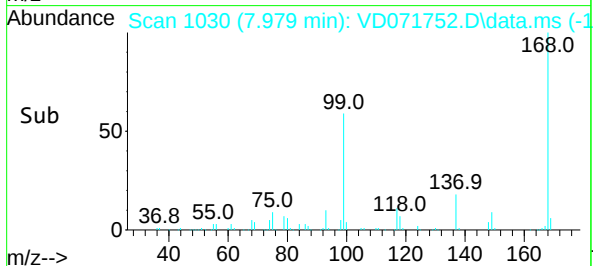
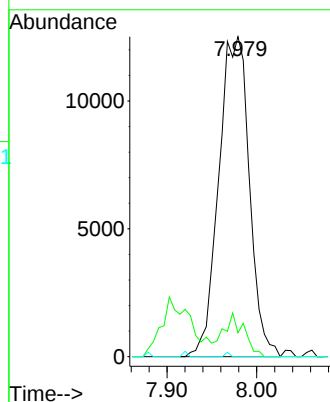
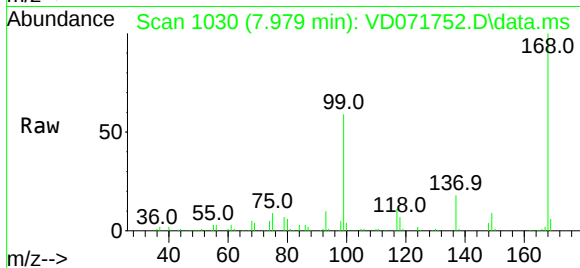
Acq: 19 Jan 2022 19:01

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 29620
Ion Ratio	Lower Upper
75	100
110	9.3 16.0 48.0#
77	0.2 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.263 ug/l

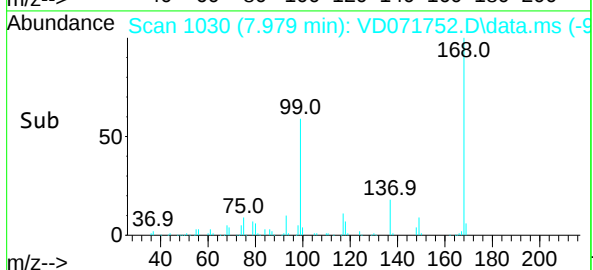
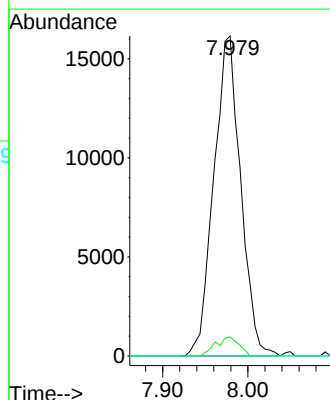
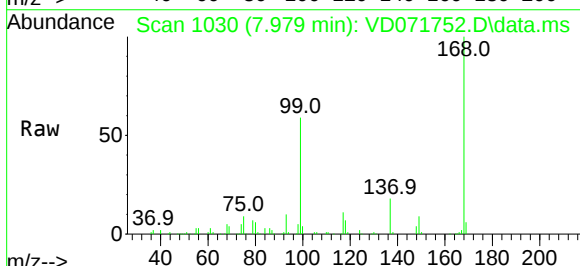
RT: 7.979 min Scan# 1030

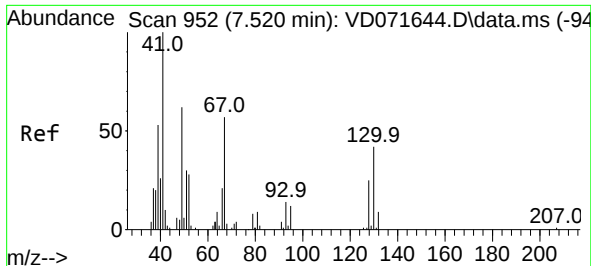
Delta R.T. -0.117 min

Lab File: VD071752.D

Acq: 19 Jan 2022 19:01

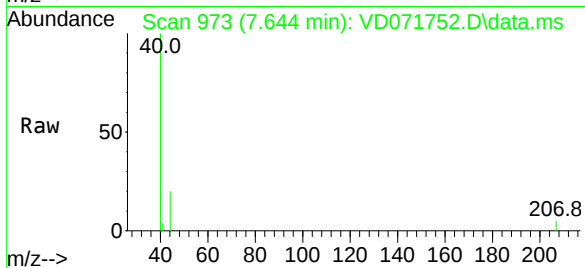
Tgt Ion: 117	Resp: 35361
Ion Ratio	Lower Upper
117	100
119	5.9 73.4 110.2#
121	0.0 23.9 35.9#



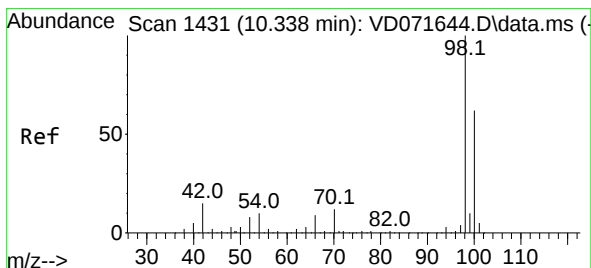
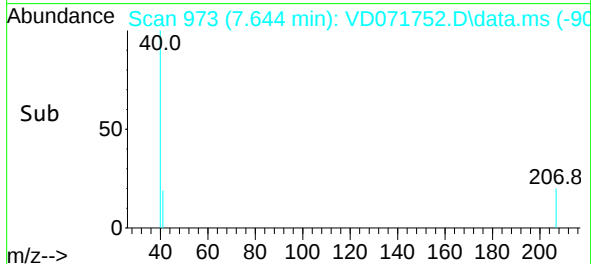
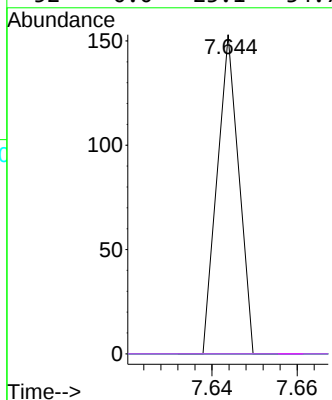


#41
Methacrylonitrile
Concen: 1.163 ug/l
RT: 7.644 min Scan# 91
Delta R.T. 0.124 min
Lab File: VD071752.D
Acq: 19 Jan 2022 19:01

Instrument :
MSVOA_D
ClientSampleId :

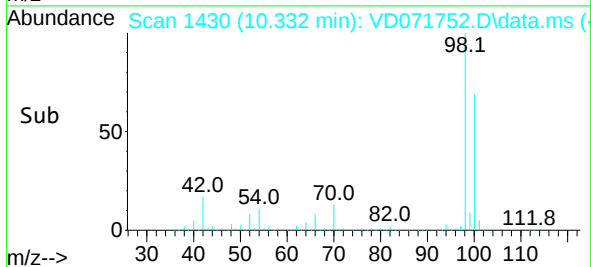
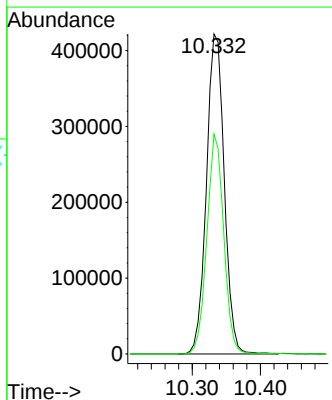
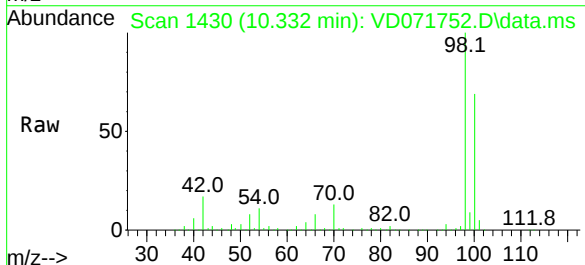


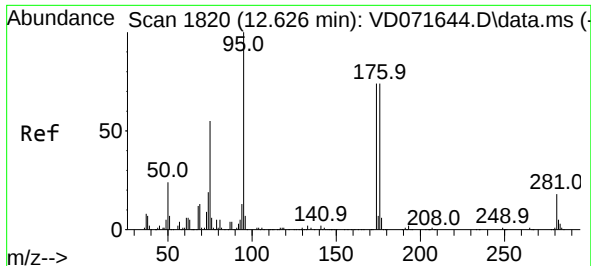
Tgt Ion: 41 Resp: 54
Ion Ratio Lower Upper
41 100
39 0.0 46.9 70.3#
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#



#50
Toluene-d8
Concen: 52.446 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.005 min
Lab File: VD071752.D
Acq: 19 Jan 2022 19:01

Tgt Ion: 98 Resp: 767326
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

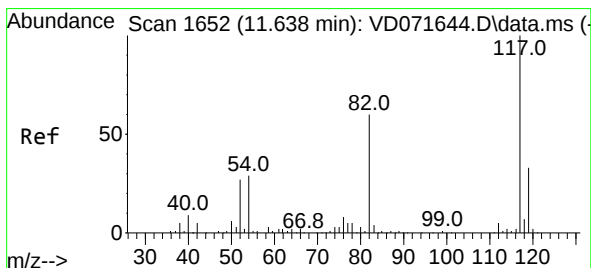
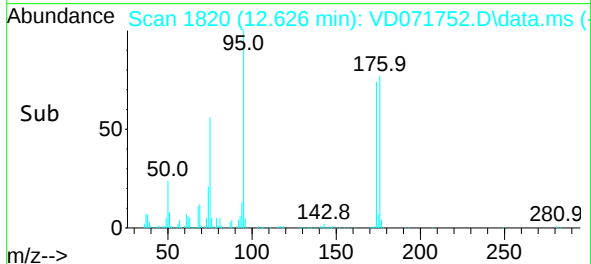
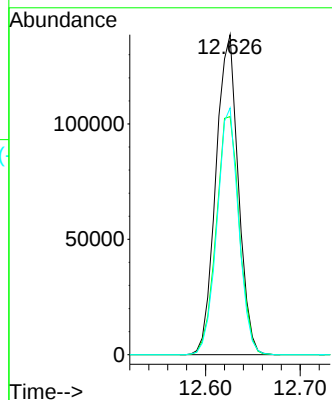
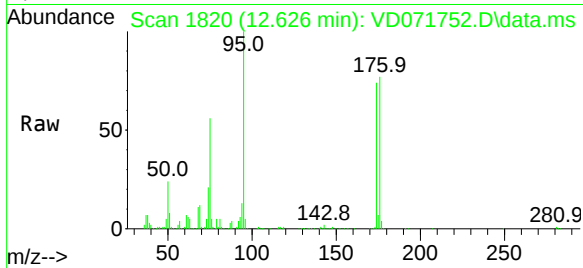




#62
4-Bromofluorobenzene
Concen: 44.241 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071752.D
Acq: 19 Jan 2022 19:01

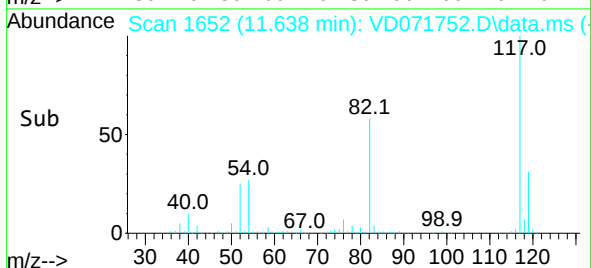
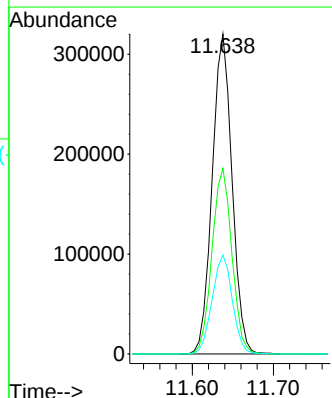
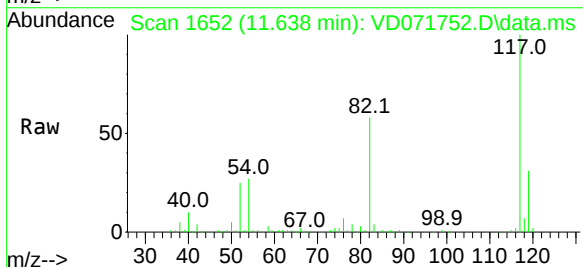
Instrument :
MSVOA_D
ClientSampleId :

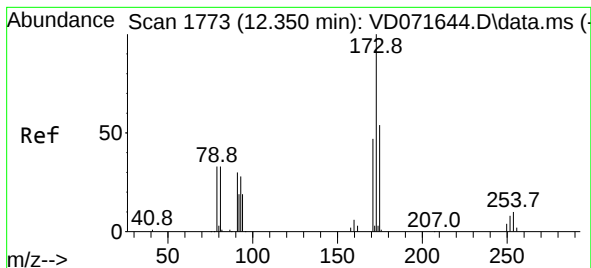
Tgt Ion: 95 Resp: 228084
Ion Ratio Lower Upper
95 100
174 76.6 0.0 150.0
176 74.4 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071752.D
Acq: 19 Jan 2022 19:01

Tgt Ion: 117 Resp: 543463
Ion Ratio Lower Upper
117 100
82 58.0 46.9 70.3
119 30.9 26.6 39.8





#71

Bromoform

Concen: 1.230 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.265 min

Lab File: VD071752.D

Acq: 19 Jan 2022 19:01

Instrument :

MSVOA_D

ClientSampleId :

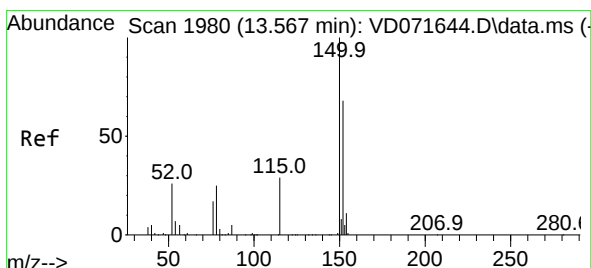
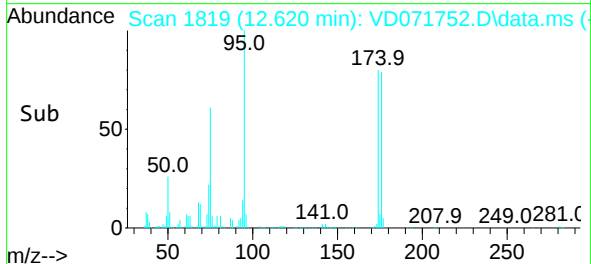
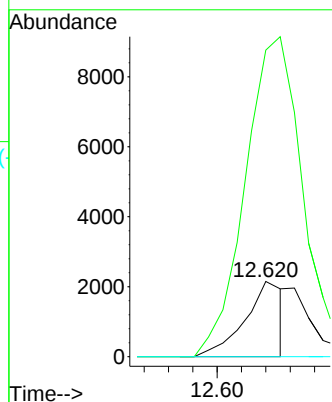
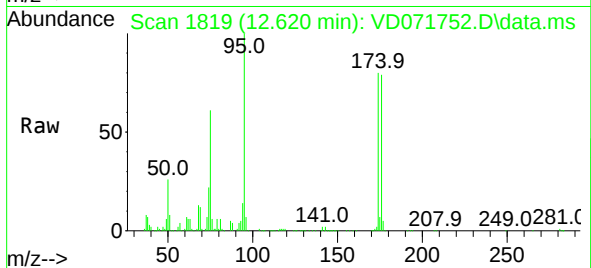
Tgt Ion:173 Resp: 2368

Ion Ratio Lower Upper

173 100

175 544.4 24.4 73.2#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. -0.000 min

Lab File: VD071752.D

Acq: 19 Jan 2022 19:01

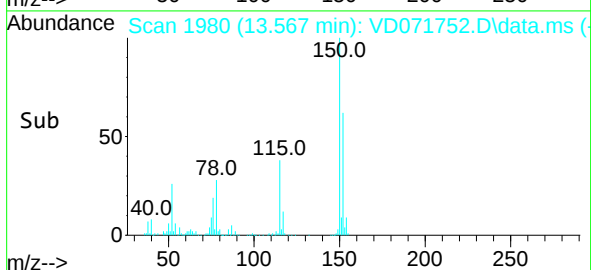
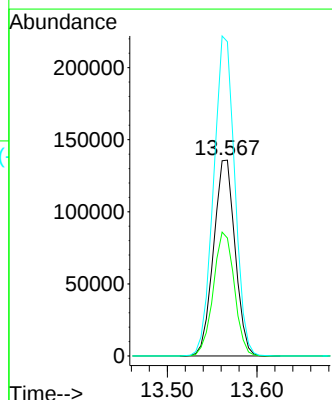
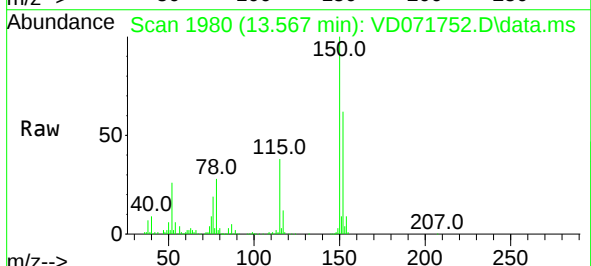
Tgt Ion:152 Resp: 226448

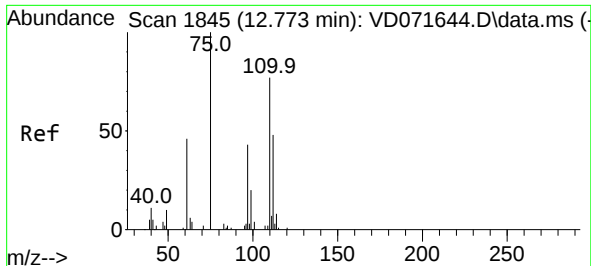
Ion Ratio Lower Upper

152 100

115 61.9 31.5 94.5

150 160.6 0.0 348.0

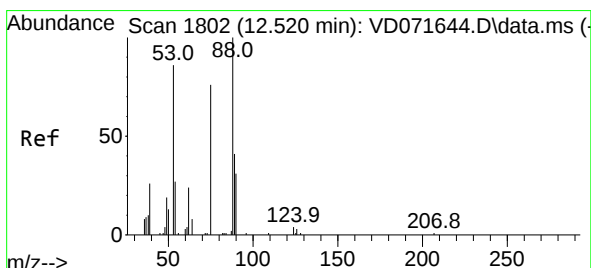
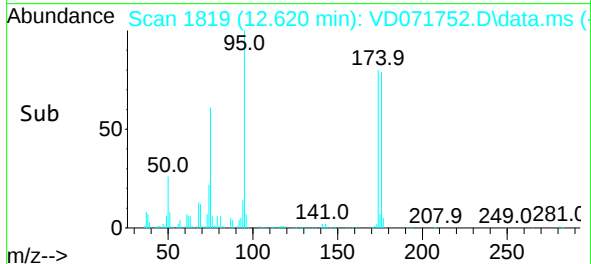
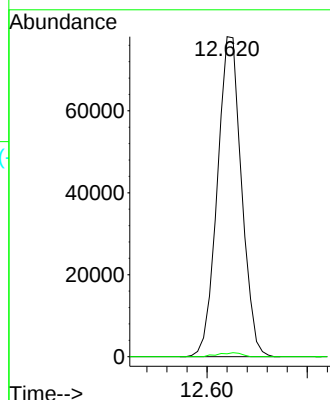
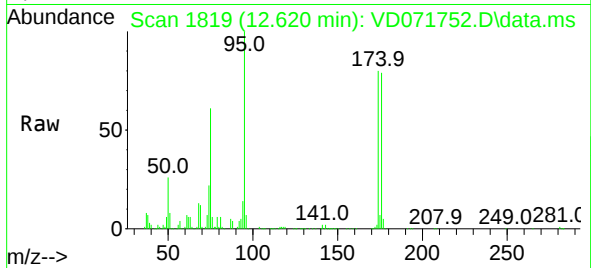




#76
1,2,3-Trichloropropane
Concen: 59.785 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071752.D
Acq: 19 Jan 2022 19:01

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 130816
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 166.673 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071752.D
Acq: 19 Jan 2022 19:01

Tgt Ion: 75 Resp: 130816
Ion Ratio Lower Upper
75 100
53 0.2 95.4 143.0#
89 0.0 37.2 55.8#

