

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020822\
 Data File : VD071925.D
 Acq On : 08 Feb 2022 18:40
 Operator : VA/SY
 Sample : N1436-01
 Misc : 6.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 289

Quant Time: Feb 09 04:01:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

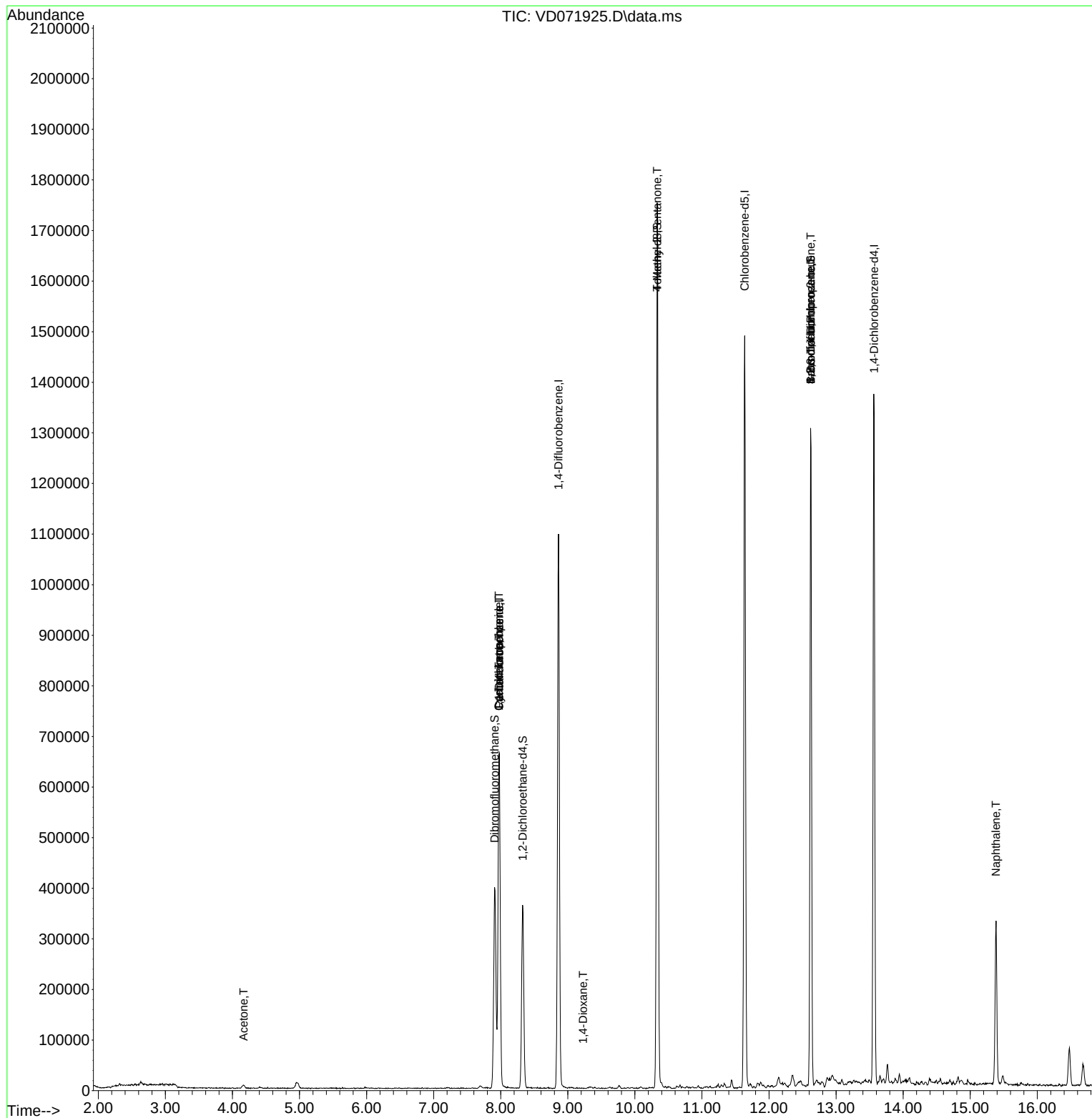
Internal Standards						
1) Pentafluorobenzene	7.979	168	448953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	846453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	794432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	333198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	297581	52.441	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.880%	
35) Dibromofluoromethane	7.909	113	277419	49.860	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.720%	
50) Toluene-d8	10.332	98	1100530	52.962	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.920%	
62) 4-Bromofluorobenzene	12.620	95	368355	50.762	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	74	Below Cal	#	74
16) Acetone	4.168	43	11037	7.105	ug/l	94
20) Methylene Chloride	4.962	84	9200	Below Cal		93
31) Cyclohexane	7.973	56	14204	1.311	ug/l	# 50
36) 1,1-Dichloropropene	7.973	75	44146	4.623	ug/l	# 52
38) Carbon Tetrachloride	7.973	117	51216	5.423	ug/l	# 17
49) 1,4-Dioxane	9.226	88	58	1.460	ug/l	# 21
51) 4-Methyl-2-Pentanone	10.332	43	6229	1.492	ug/l	# 1
71) Bromoform	12.620	173	4589	1.406	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	207532	59.101	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	207532	145.315	ug/l	# 7
95) Naphthalene	15.385	128	262762	23.495	ug/l	99

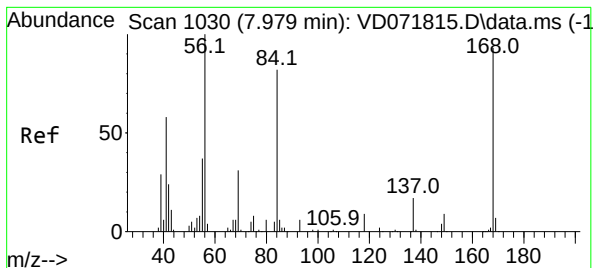
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 09 04:01:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

Instrument :

MSVOA_D

ClientSampleId :

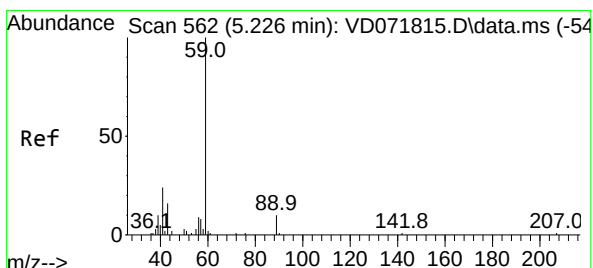
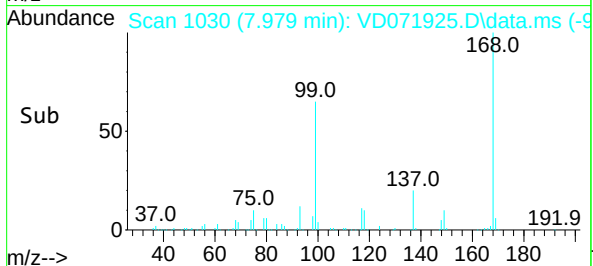
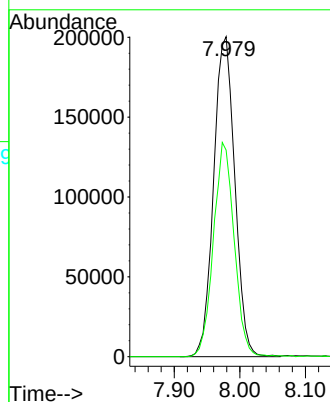
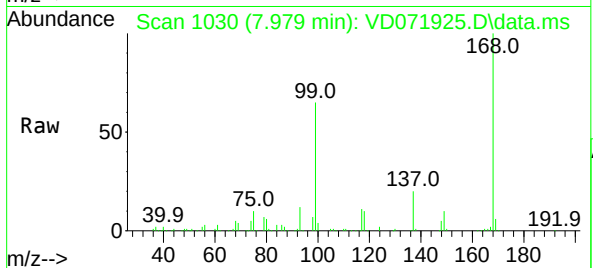
289

Tgt Ion:168 Resp: 448953

Ion Ratio Lower Upper

168 100

99 64.6 49.8 74.6



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.220 min Scan# 561

Delta R.T. 0.000 min

Lab File: VD071925.D

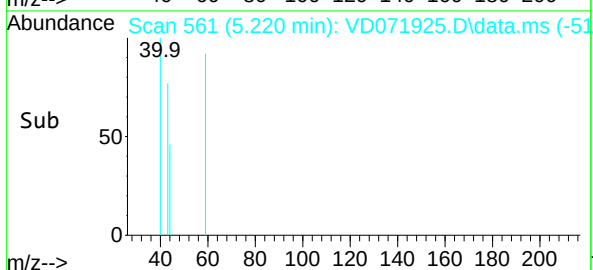
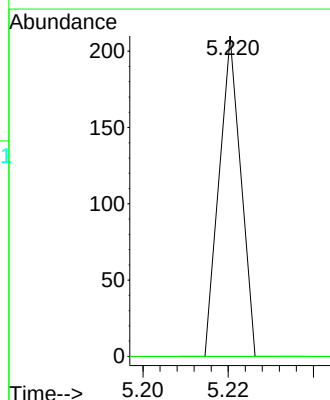
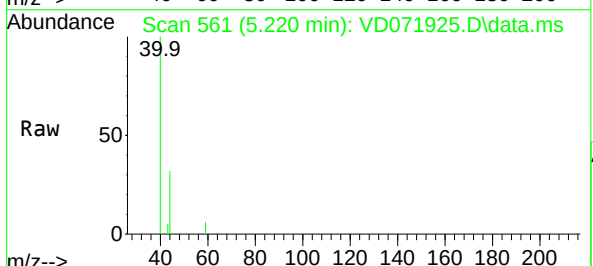
Acq: 08 Feb 2022 18:40

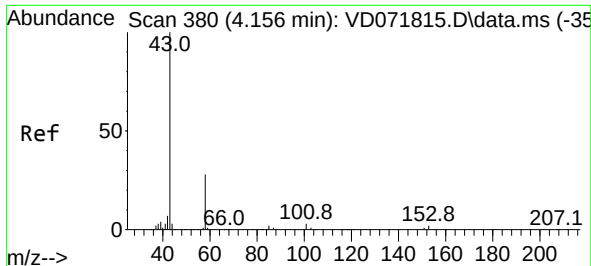
Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#

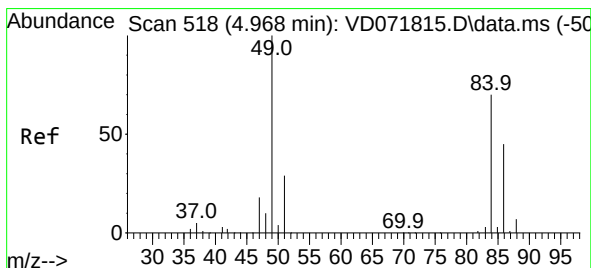
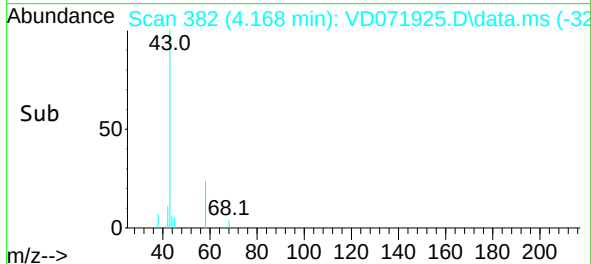
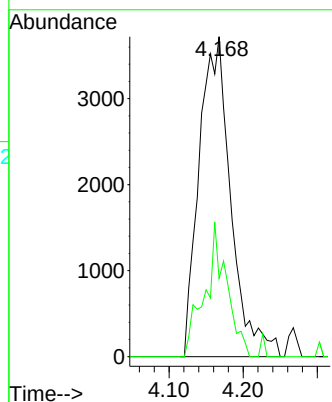
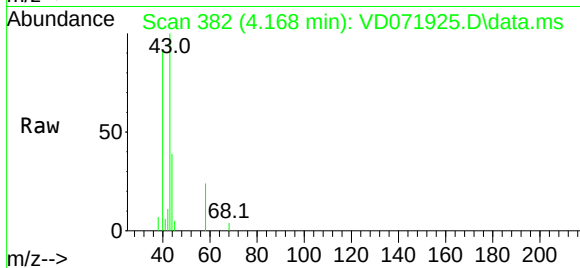




#16
Acetone
Concen: 7.105 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

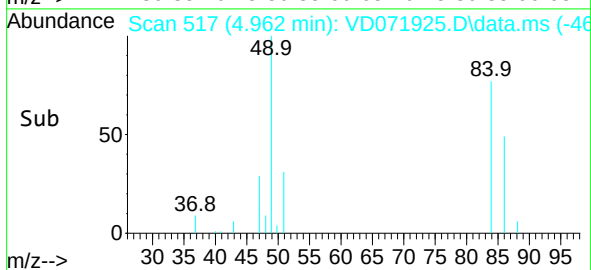
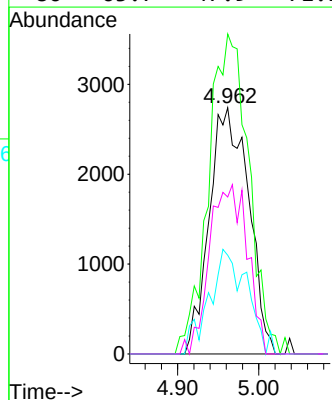
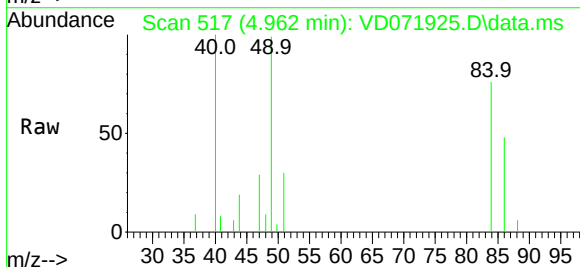
Instrument :
MSVOA_D
ClientSampleId :
289

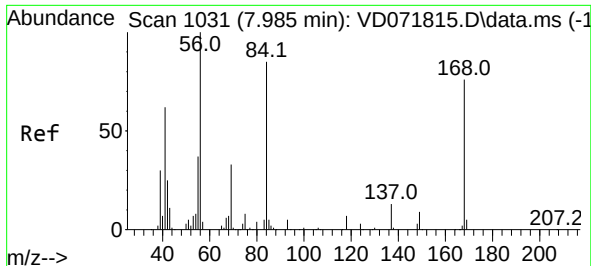
Tgt Ion: 43 Resp: 11037
Ion Ratio Lower Upper
43 100
58 24.5 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

Tgt Ion: 84 Resp: 9200
Ion Ratio Lower Upper
84 100
49 129.9 112.8 169.2
51 40.1 32.6 48.8
86 63.7 47.9 71.9

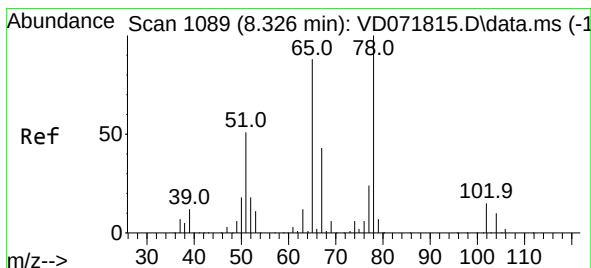
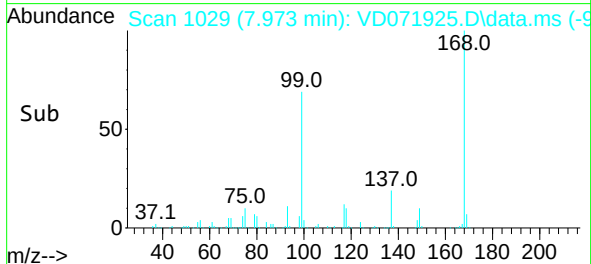
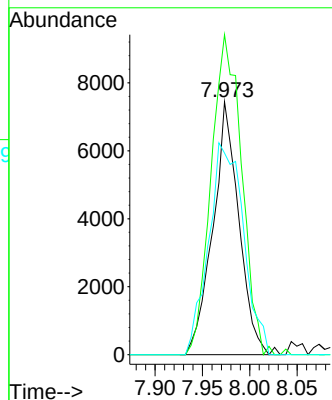
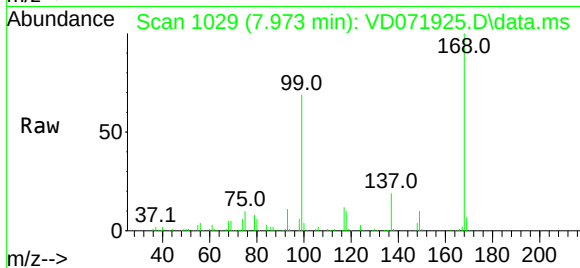




#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

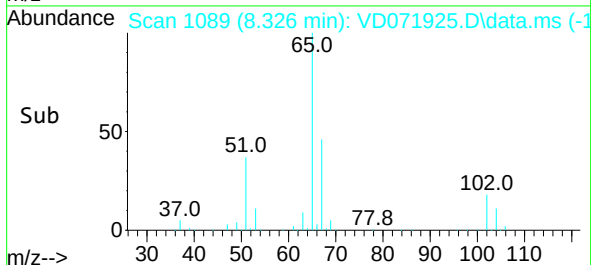
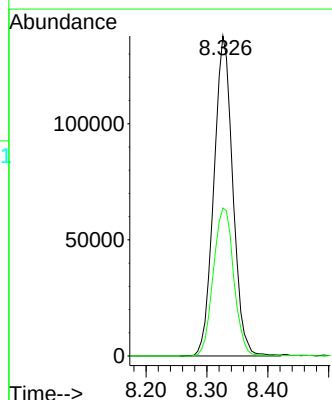
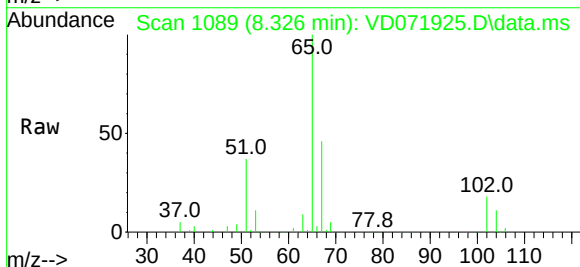
Instrument :
MSVOA_D
ClientSampleId :
289

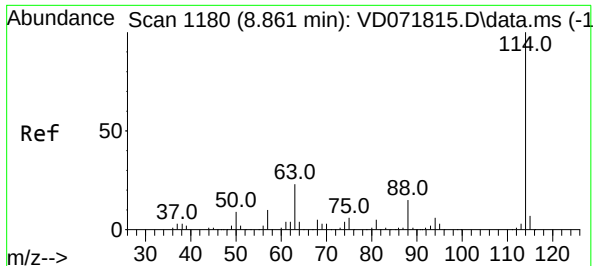
Tgt Ion: 56 Resp: 14204
Ion Ratio Lower Upper
56 100
69 126.5 25.4 38.2#
84 79.7 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 52.441 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

Tgt Ion: 65 Resp: 297581
Ion Ratio Lower Upper
65 100
67 49.7 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: VD071925.D

Acq: 08 Feb 2022 18:40

Instrument :

MSVOA_D

ClientSampleId :

289

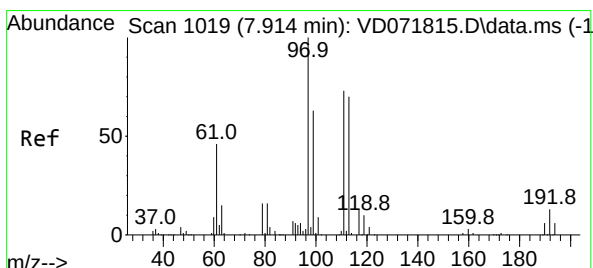
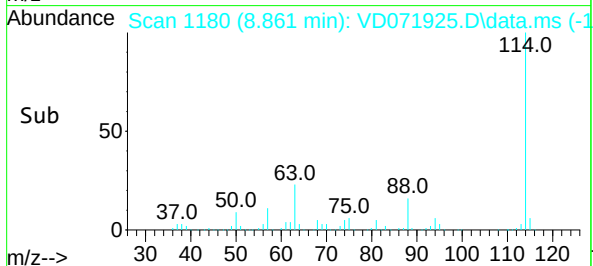
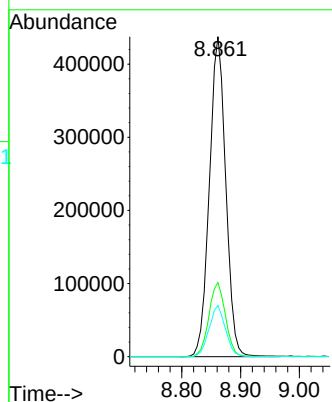
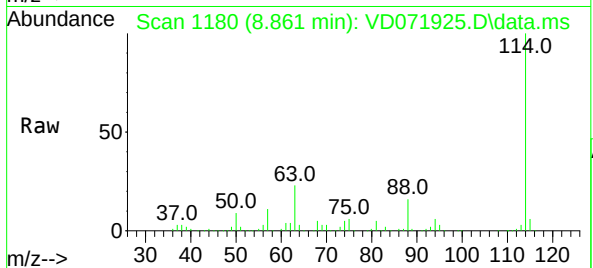
Tgt Ion:114 Resp: 846453

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.6

88 16.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.860 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

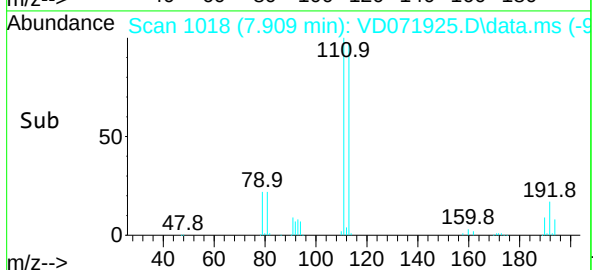
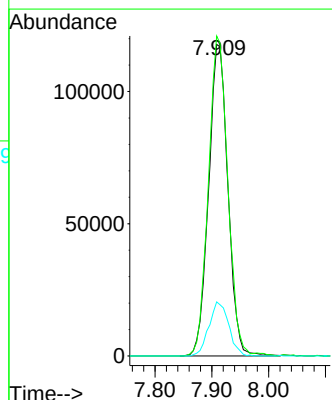
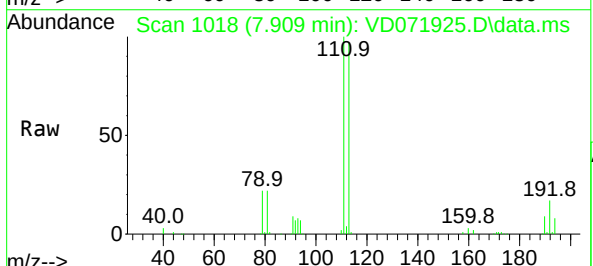
Tgt Ion:113 Resp: 277419

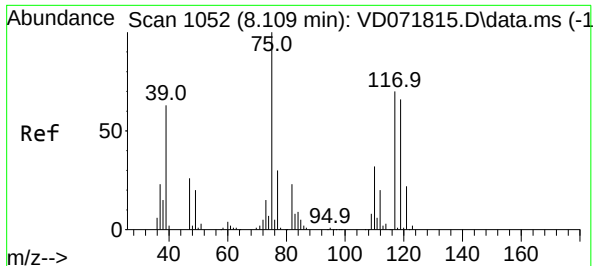
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

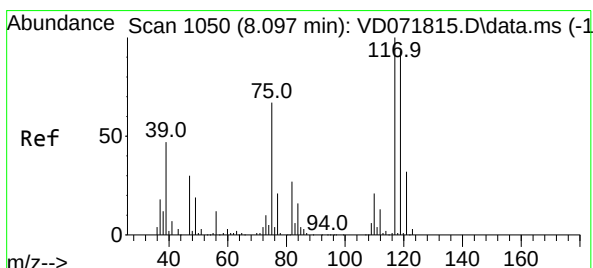
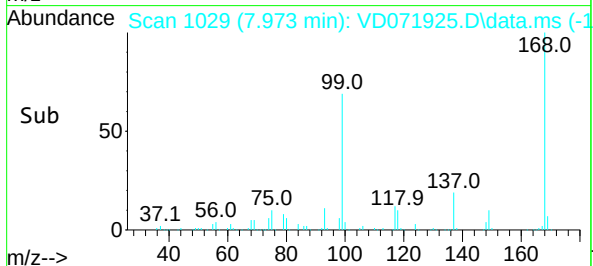
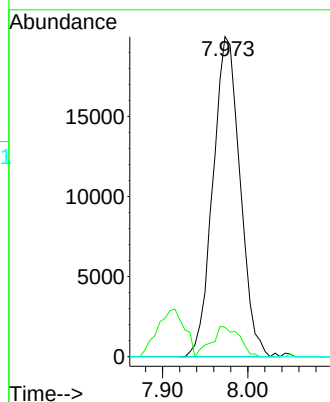
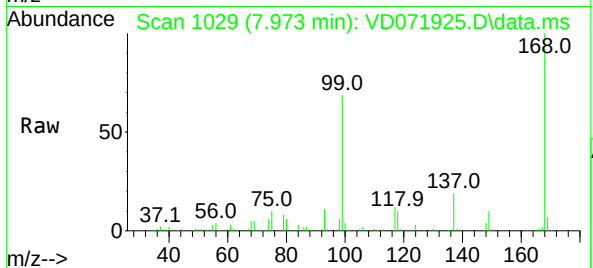
Instrument :

MSVOA_D

ClientSampleId :

289

Tgt Ion: 75 Resp: 44146
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.4 49.1#
 77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.423 ug/l

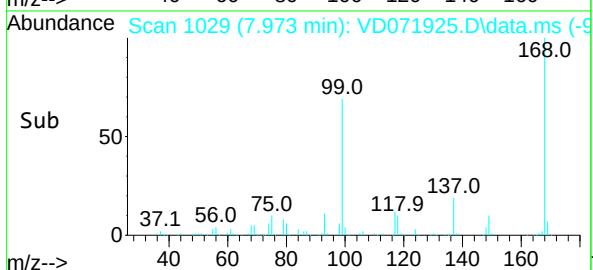
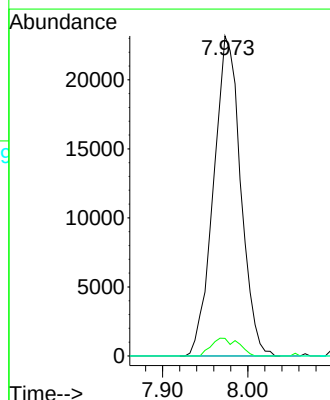
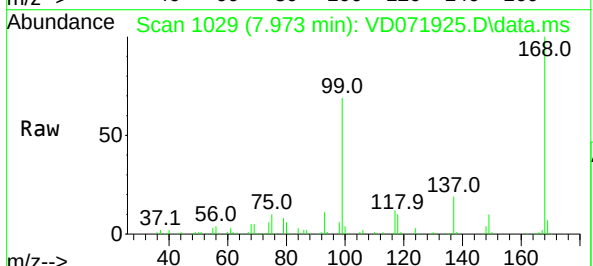
RT: 7.973 min Scan# 1029

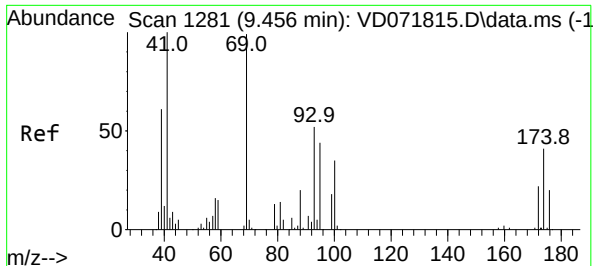
Delta R.T. -0.123 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

Tgt Ion: 117 Resp: 51216
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.8 113.6#
 121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 1.460 ug/l

RT: 9.226 min Scan# 11

Delta R.T. -0.235 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

Instrument :

MSVOA_D

ClientSampleId :

289

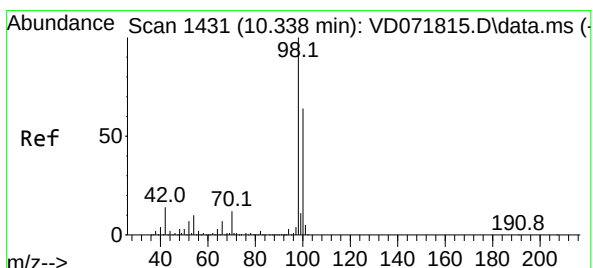
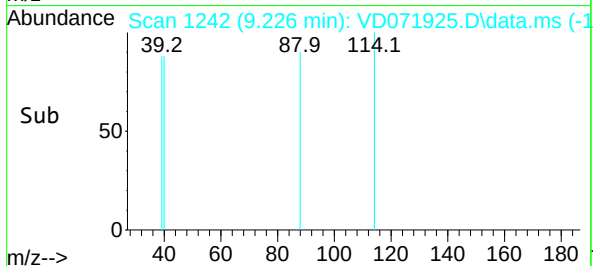
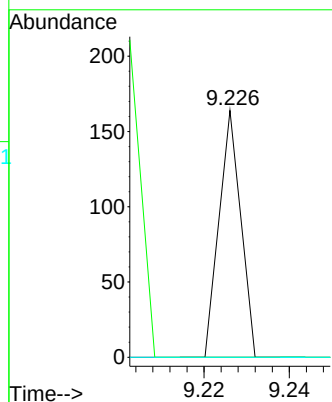
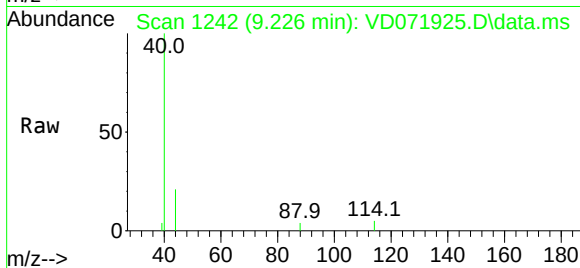
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 52.962 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071925.D

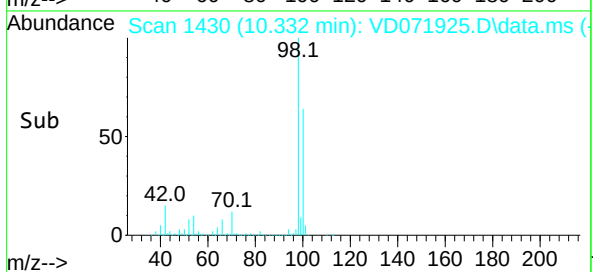
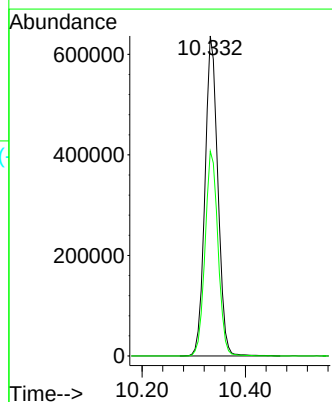
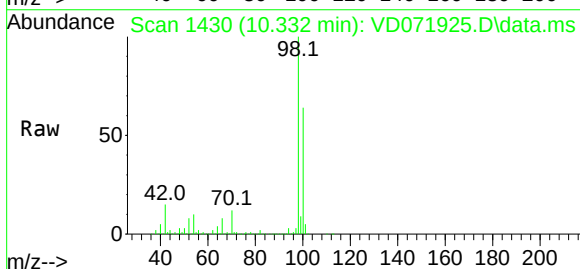
Acq: 08 Feb 2022 18:40

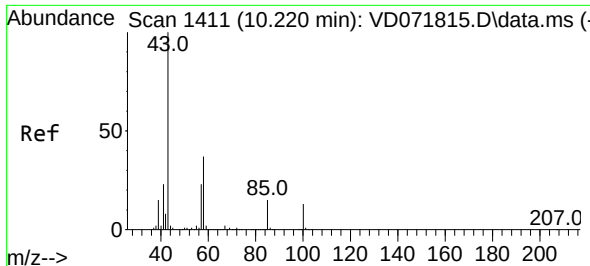
Tgt Ion: 98 Resp: 1100530

Ion Ratio Lower Upper

98 100

100 64.4 52.4 78.6

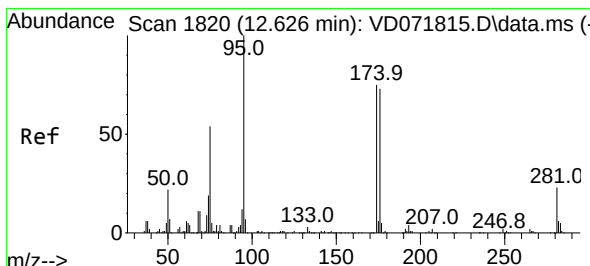
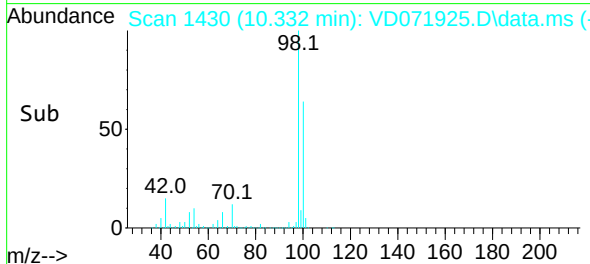
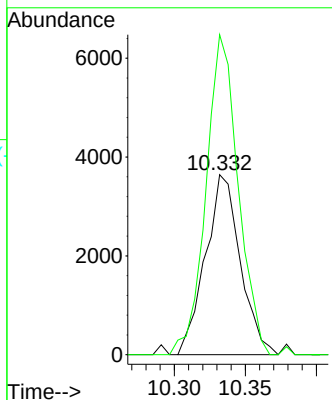
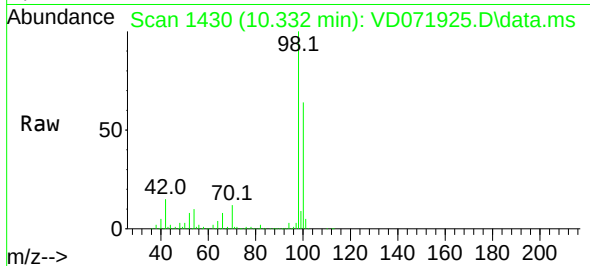




#51
4-Methyl-2-Pentanone
Concen: 1.492 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

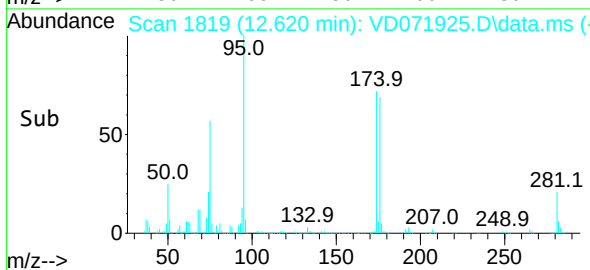
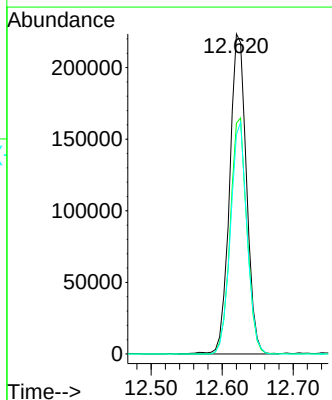
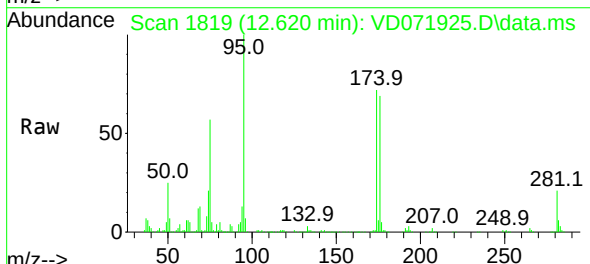
Instrument :
MSVOA_D
ClientSampleId :
289

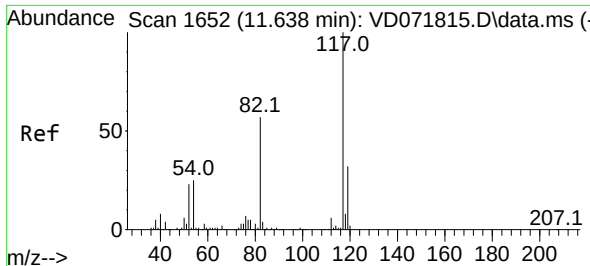
Tgt Ion: 43 Resp: 6229
Ion Ratio Lower Upper
43 100
58 163.6 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 50.762 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

Tgt Ion: 95 Resp: 368355
Ion Ratio Lower Upper
95 100
174 72.6 0.0 152.8
176 70.8 0.0 145.4

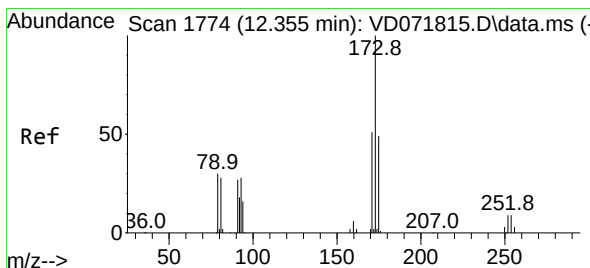
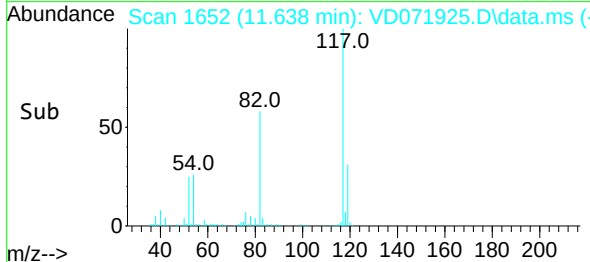
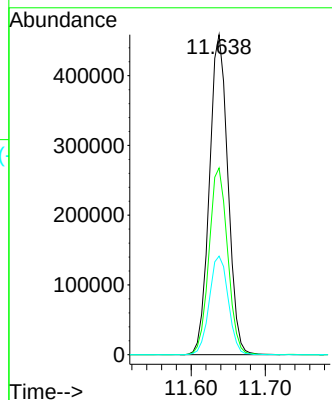
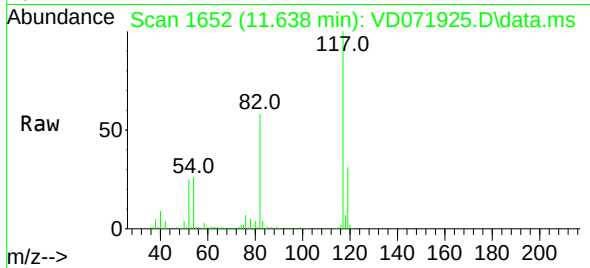




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

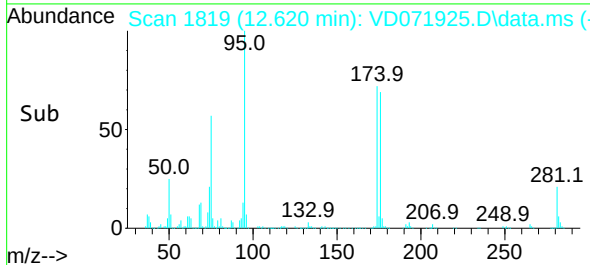
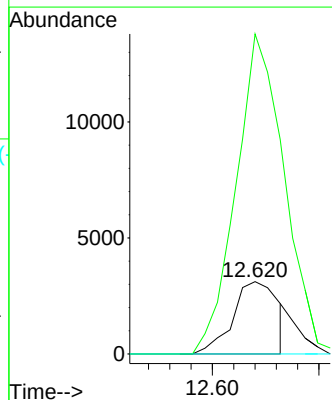
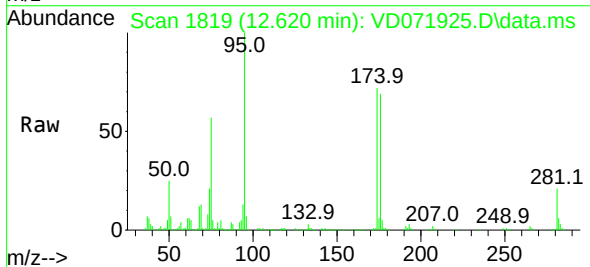
Instrument :
MSVOA_D
ClientSampleId :
289

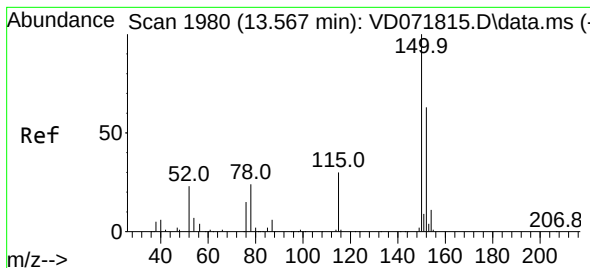
Tgt Ion:117 Resp: 794432
Ion Ratio Lower Upper
117 100
82 58.3 45.3 67.9
119 30.8 26.6 40.0



#71
Bromoform
Concen: 1.406 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

Tgt Ion:173 Resp: 4589
Ion Ratio Lower Upper
173 100
175 408.7 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.000 min

Lab File: VD071925.D

Acq: 08 Feb 2022 18:40

Instrument :

MSVOA_D

ClientSampleId :

289

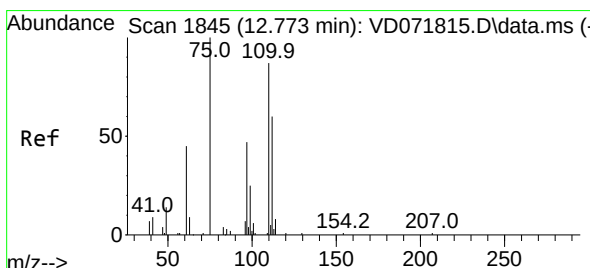
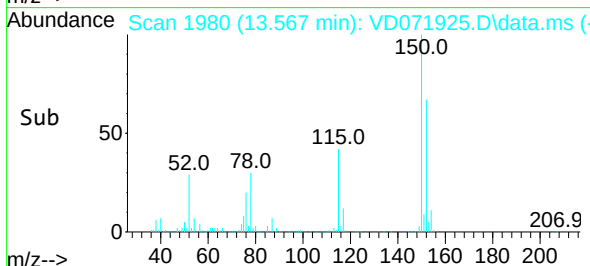
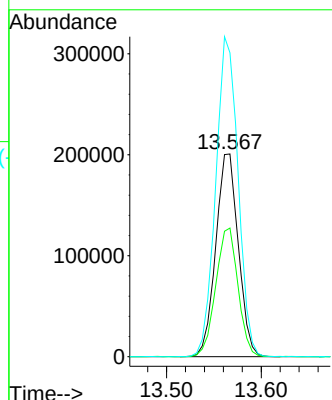
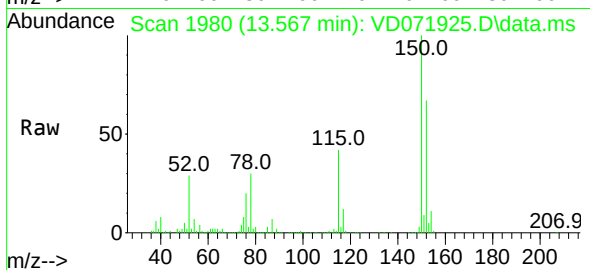
Tgt Ion:152 Resp: 333198

Ion Ratio Lower Upper

152 100

115 62.5 31.3 93.8

150 156.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 59.101 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD071925.D

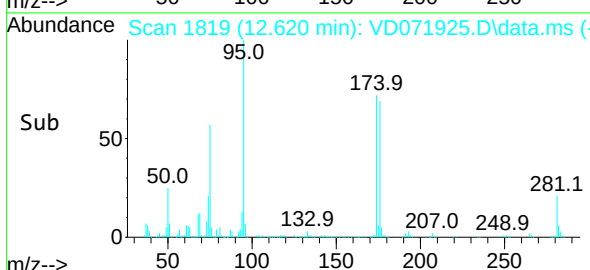
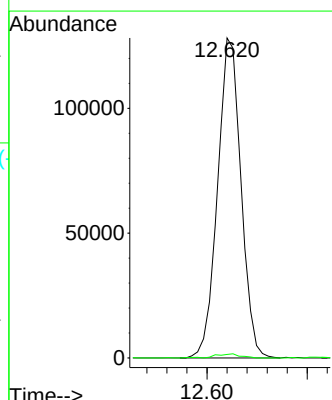
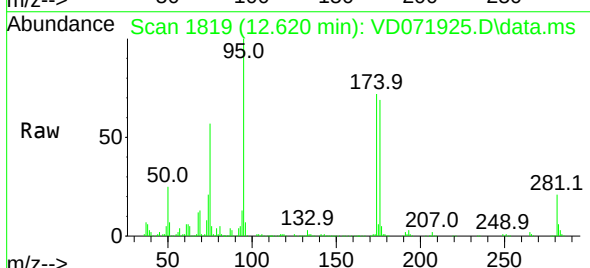
Acq: 08 Feb 2022 18:40

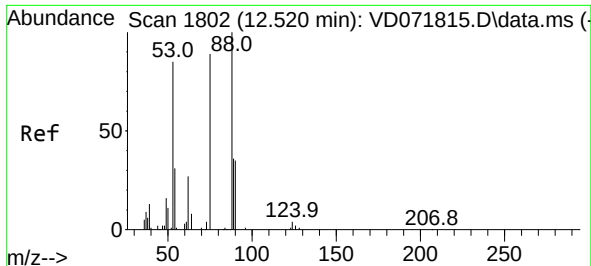
Tgt Ion: 75 Resp: 207532

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

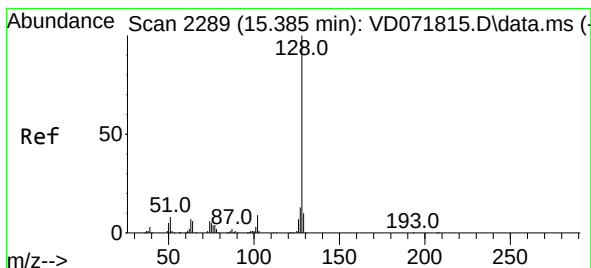
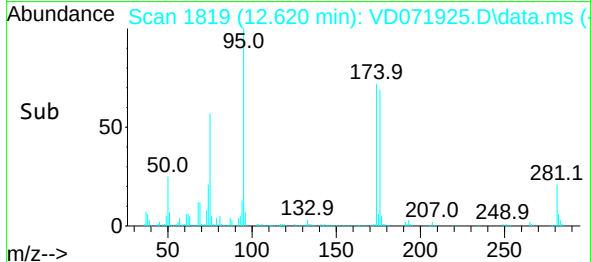
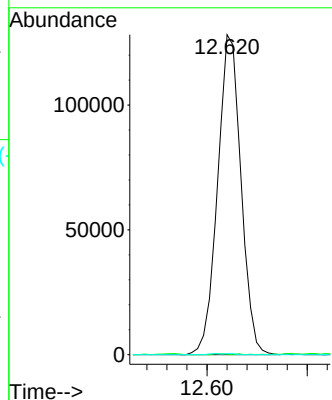
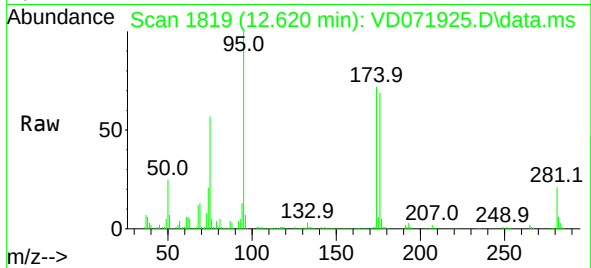




#81
trans-1,4-Dichloro-2-butene
Concen: 145.315 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

Instrument :
MSVOA_D
ClientSampleId :
289

Tgt Ion: 75 Resp: 207532
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 23.495 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD071925.D
Acq: 08 Feb 2022 18:40

Tgt Ion: 128 Resp: 262762
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.7 8.4 12.6

