

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011322\
 Data File : VD071713.D
 Acq On : 13 Jan 2022 16:45
 Operator : VA/SY
 Sample : N1097-04RE
 Misc : 4.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1D

Quant Time: Jan 14 04:06:41 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	7.973	168	143479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	258975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	252938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	114562	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	134997	73.123	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.240%	
35) Dibromofluoromethane	7.909	113	96662	56.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.960%	
50) Toluene-d8	10.332	98	337235	52.638	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.280%	
62) 4-Bromofluorobenzene	12.620	95	115336	51.089	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.180%	

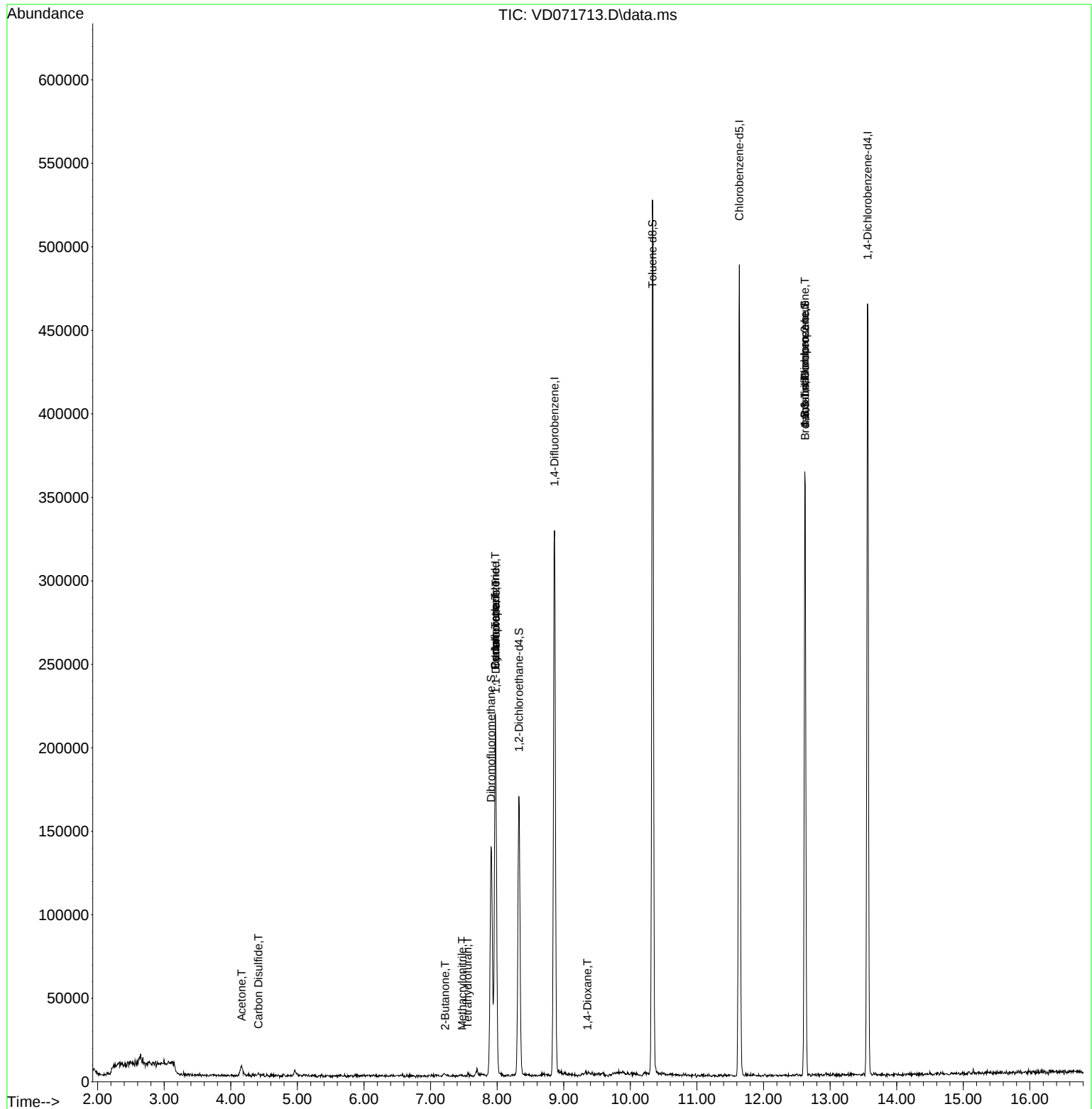
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.232	85	66	Below Cal	#	43
3) Chloromethane	2.215	50	300	Below Cal	#	43
5) Bromomethane	2.762	94	450	Below Cal		96
16) Acetone	4.162	43	10688	25.075	ug/l	95
17) Carbon Disulfide	4.415	76	2190	1.148	ug/l	# 74
18) Methyl Acetate	4.720	43	68	Below Cal	#	56
20) Methylene Chloride	4.962	84	1390	Below Cal	#	57
25) 2-Butanone	7.220	43	2651	5.264	ug/l	100
29) Tetrahydrofuran	7.556	42	342	1.181	ug/l	# 56
31) Cyclohexane	7.973	56	4923	2.235	ug/l	# 38
36) 1,1-Dichloropropene	7.979	75	13259	5.431	ug/l	# 44
38) Carbon Tetrachloride	7.973	117	17465	7.064	ug/l	# 19
41) Methacrylonitrile	7.473	41	64	1.220	ug/l	# 27
49) 1,4-Dioxane	9.355	88	56	6.001	ug/l	# 18
71) Bromoform	12.626	173	1563	1.744	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	64914	58.640	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	64914	163.482	ug/l	# 3

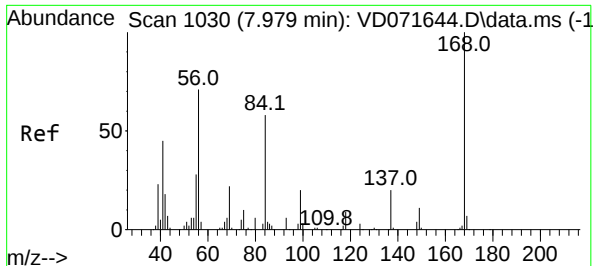
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 14 04:06:41 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

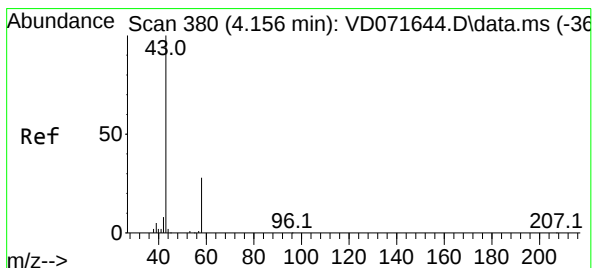
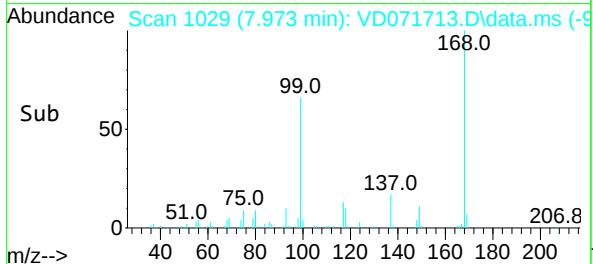
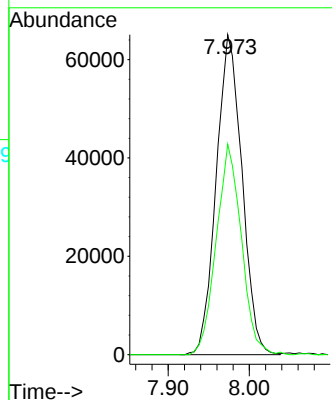
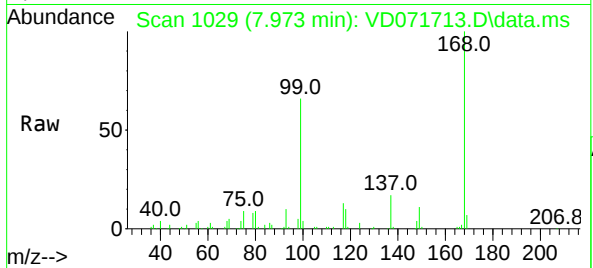




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

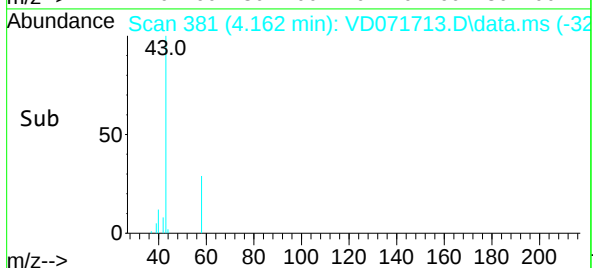
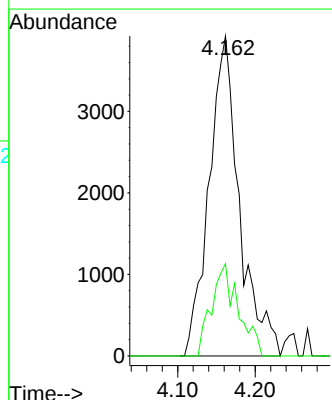
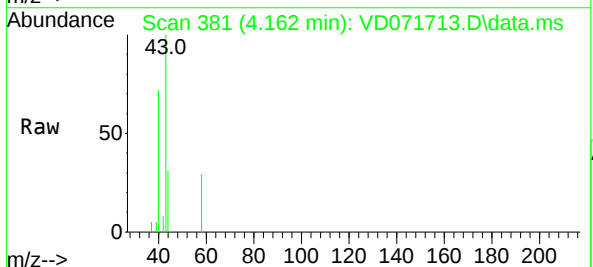
Instrument :
MSVOA_D
ClientSampleId :
TP-1D

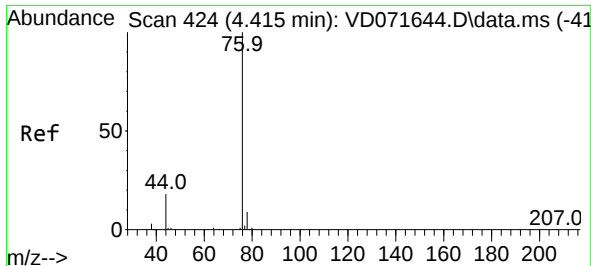
Tgt Ion:168 Resp: 143479
Ion Ratio Lower Upper
168 100
99 65.8 51.8 77.6



#16
Acetone
Concen: 25.075 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.007 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

Tgt Ion: 43 Resp: 10688
Ion Ratio Lower Upper
43 100
58 28.8 21.0 31.6

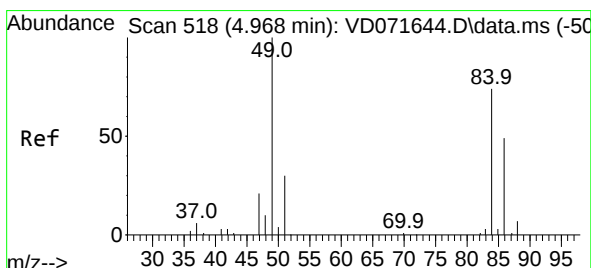
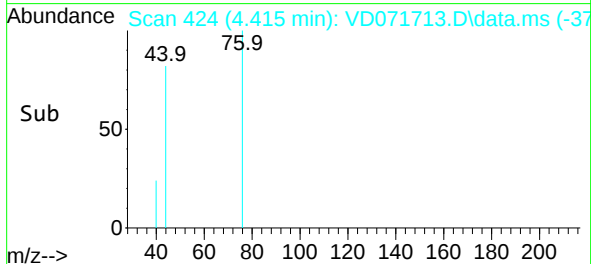
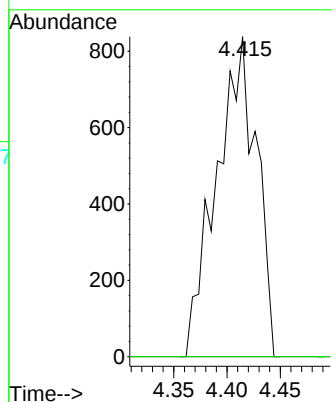
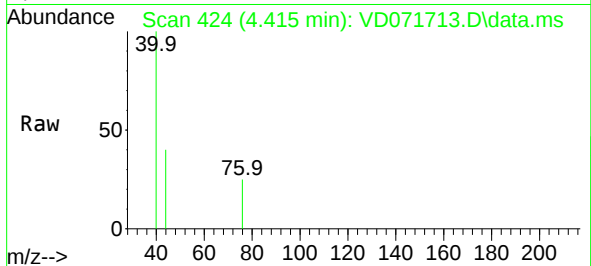




#17
Carbon Disulfide
Concen: 1.148 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

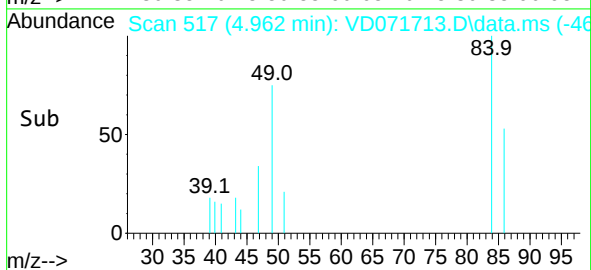
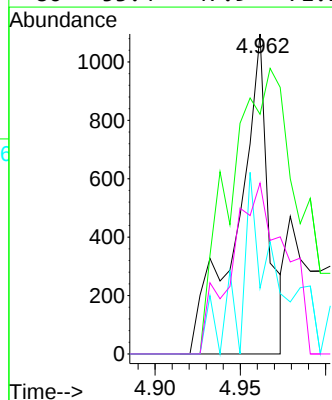
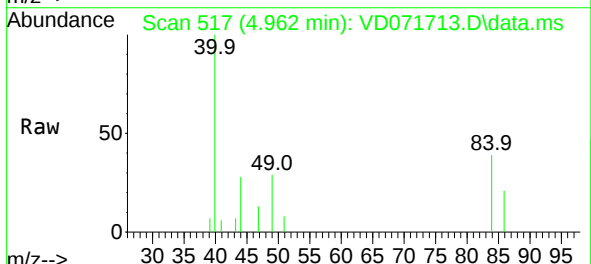
Instrument :
MSVOA_D
ClientSampleId :
TP-1D

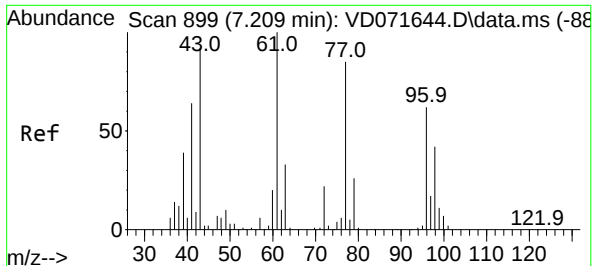
Tgt Ion: 76 Resp: 2190
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

Tgt Ion: 84 Resp: 1390
Ion Ratio Lower Upper
84 100
49 74.9 118.6 178.0#
51 20.5 37.8 56.6#
86 53.4 47.9 71.9





#25

2-Butanone

Concen: 5.264 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.012 min

Lab File: VD071713.D

Acq: 13 Jan 2022 16:45

Instrument :

MSVOA_D

ClientSampleId :

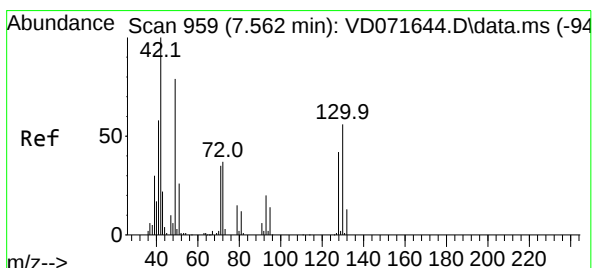
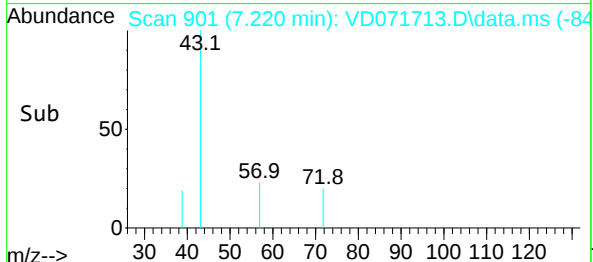
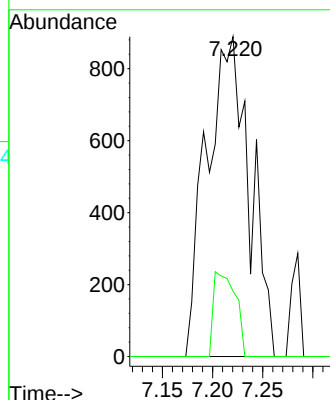
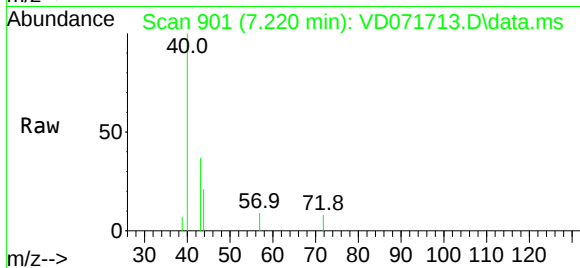
TP-1D

Tgt Ion: 43 Resp: 2651

Ion Ratio Lower Upper

43 100

72 20.5 16.4 24.6



#29

Tetrahydrofuran

Concen: 1.181 ug/l

RT: 7.556 min Scan# 958

Delta R.T. -0.005 min

Lab File: VD071713.D

Acq: 13 Jan 2022 16:45

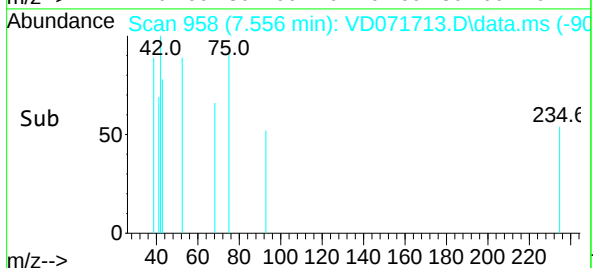
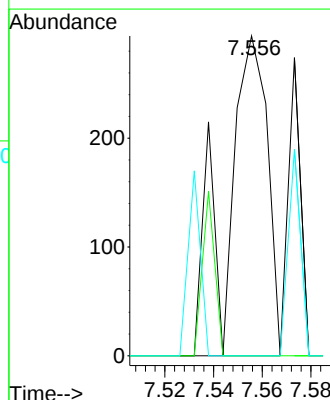
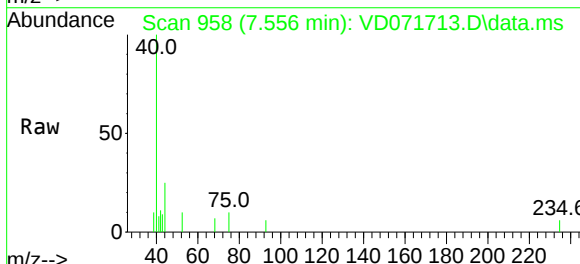
Tgt Ion: 42 Resp: 342

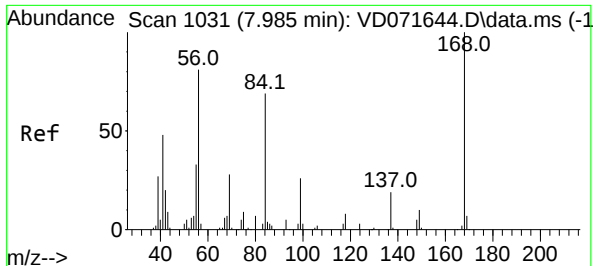
Ion Ratio Lower Upper

42 100

72 0.0 29.6 44.4#

71 19.6 27.3 40.9#

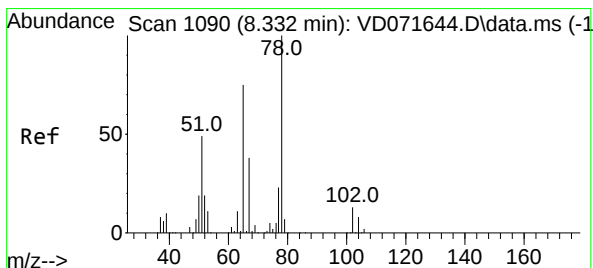
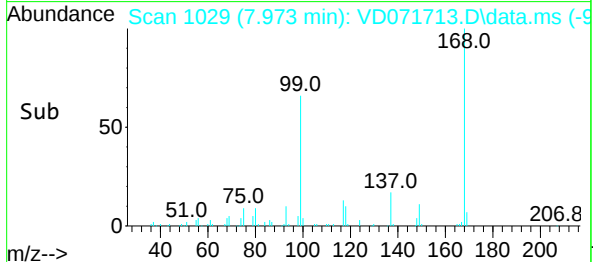
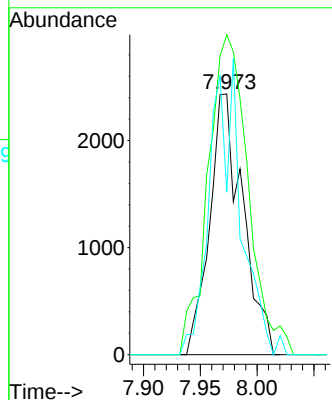
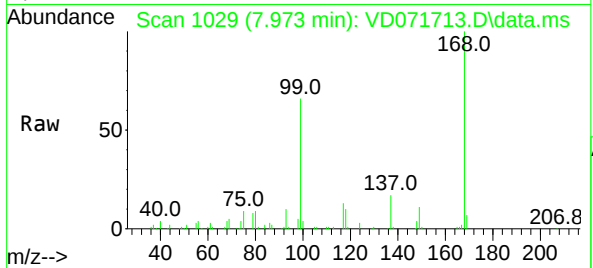




#31
Cyclohexane
Concen: 2.235 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.017 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

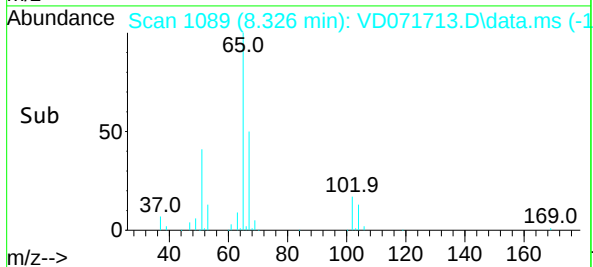
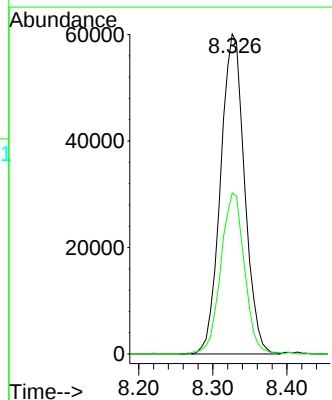
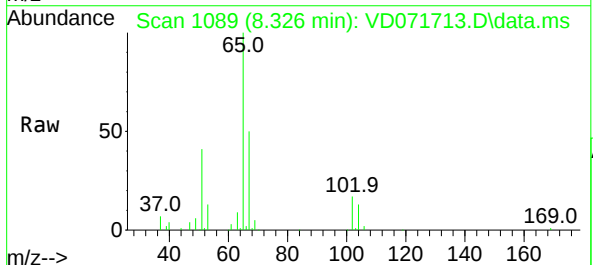
Instrument :
MSVOA_D
ClientSampleId :
TP-1D

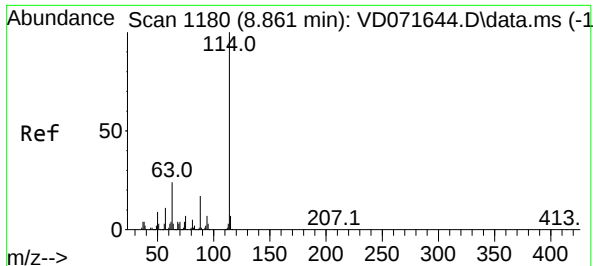
Tgt Ion: 56 Resp: 4923
Ion Ratio Lower Upper
56 100
69 122.8 21.7 32.5#
84 62.3 65.7 98.5#



#33
1,2-Dichloroethane-d4
Concen: 73.123 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

Tgt Ion: 65 Resp: 134997
Ion Ratio Lower Upper
65 100
67 49.6 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: VD071713.D

Acq: 13 Jan 2022 16:45

Instrument :

MSVOA_D

ClientSampleId :

TP-1D

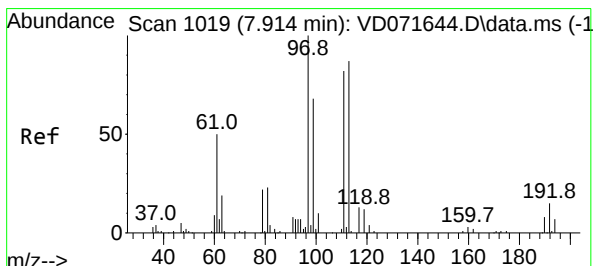
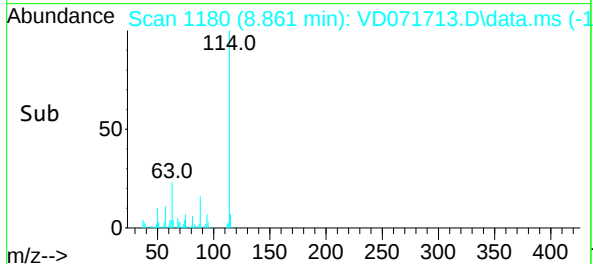
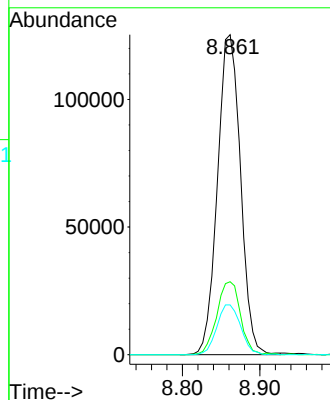
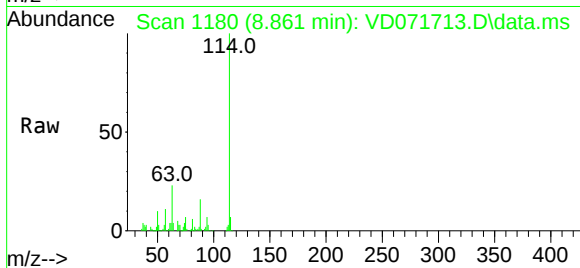
Tgt Ion:114 Resp: 258975

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.2

88 15.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 56.478 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD071713.D

Acq: 13 Jan 2022 16:45

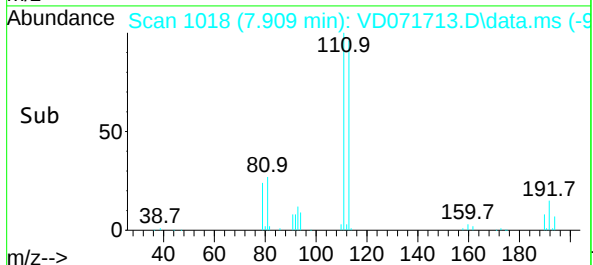
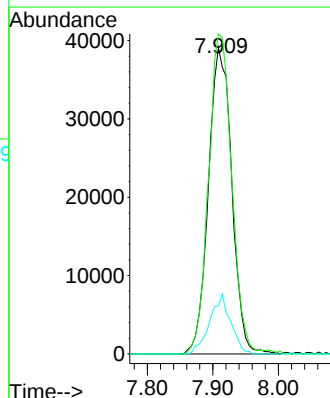
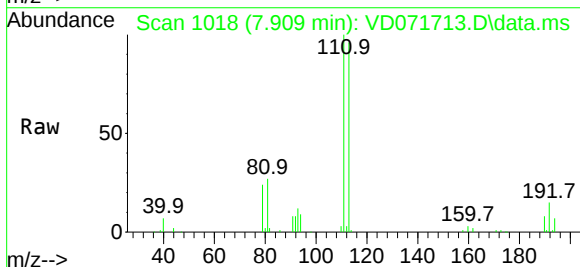
Tgt Ion:113 Resp: 96662

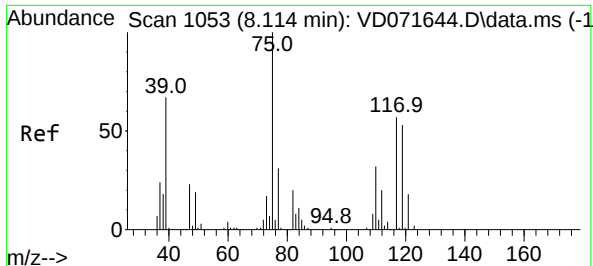
Ion Ratio Lower Upper

113 100

111 104.7 82.2 123.4

192 17.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.431 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071713.D

Acq: 13 Jan 2022 16:45

Instrument :

MSVOA_D

ClientSampleId :

TP-1D

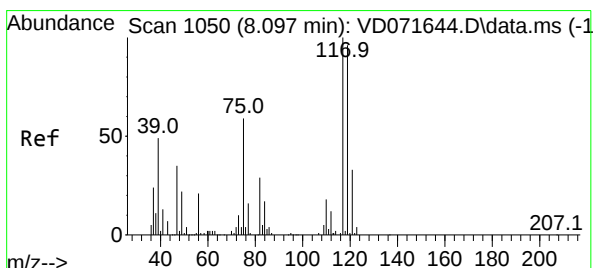
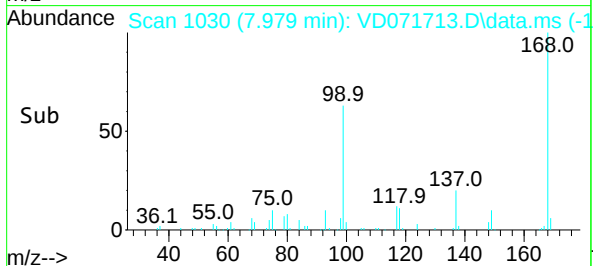
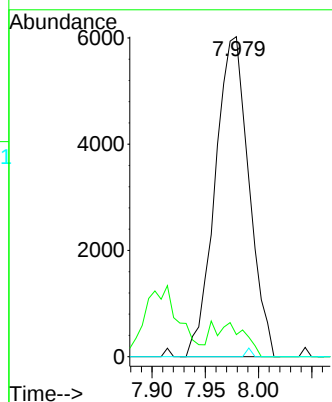
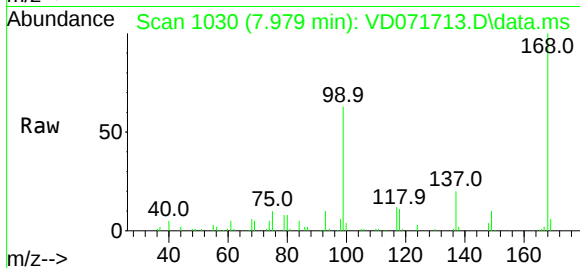
Tgt Ion: 75 Resp: 13259

Ion Ratio Lower Upper

75 100

110 0.0 16.0 48.0#

77 0.4 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 7.064 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.123 min

Lab File: VD071713.D

Acq: 13 Jan 2022 16:45

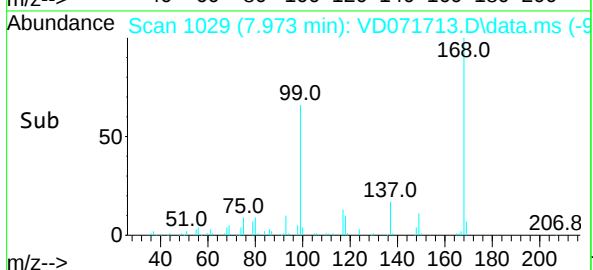
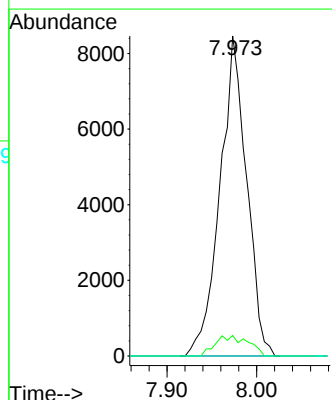
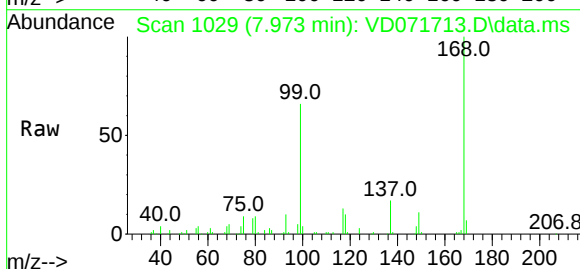
Tgt Ion: 117 Resp: 17465

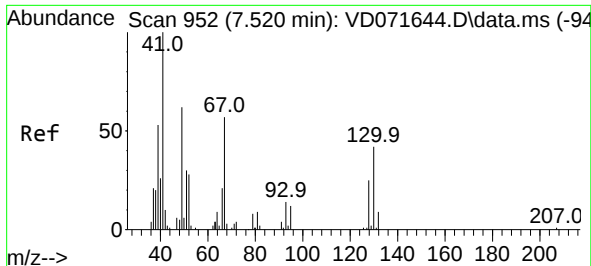
Ion Ratio Lower Upper

117 100

119 6.4 73.4 110.2#

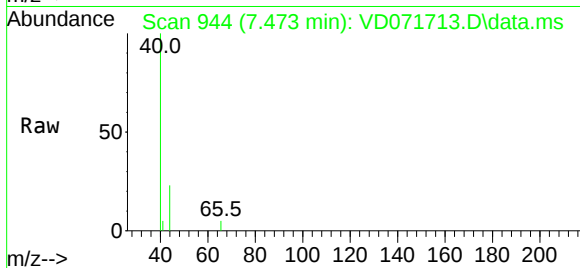
121 0.0 23.9 35.9#



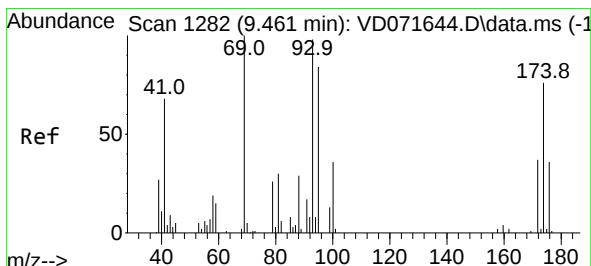
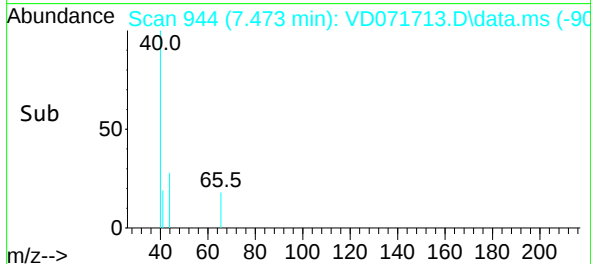
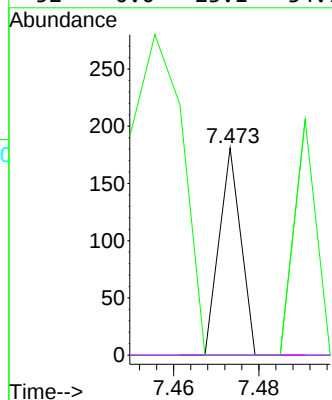


#41
Methacrylonitrile
Concen: 1.220 ug/l
RT: 7.473 min Scan# 94
Delta R.T. -0.047 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

Instrument :
MSVOA_D
ClientSampleId :
TP-1D

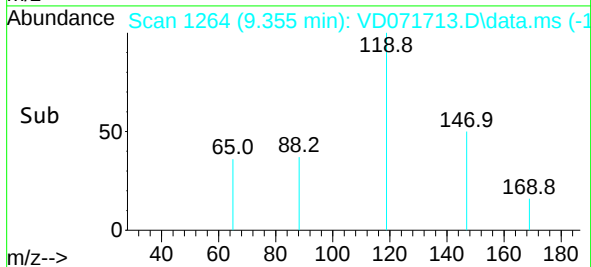
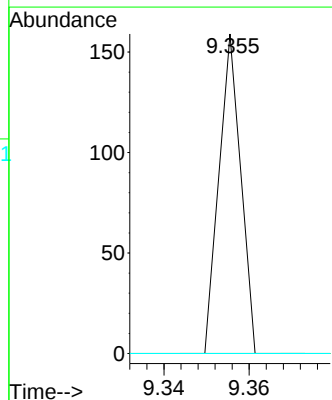
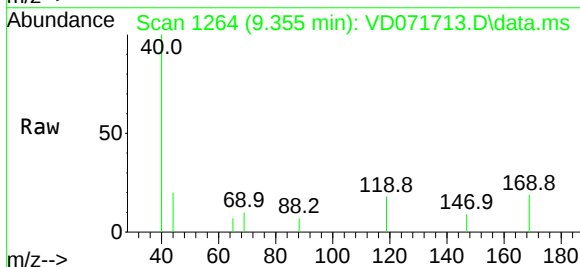


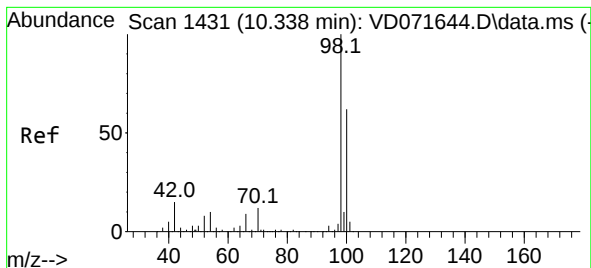
Tgt Ion: 41	Resp: 64
Ion Ratio	Lower Upper
41 100	
39 114.1	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#49
1,4-Dioxane
Concen: 6.001 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. -0.100 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

Tgt Ion: 88	Resp: 56
Ion Ratio	Lower Upper
88 100	
43 0.0	34.6 52.0#
58 0.0	62.0 93.0#





#50

Toluene-d8

Concen: 52.638 ug/l

RT: 10.332 min Scan# 1431

Delta R.T. -0.005 min

Lab File: VD071713.D

Acq: 13 Jan 2022 16:45

Instrument :

MSVOA_D

ClientSampleId :

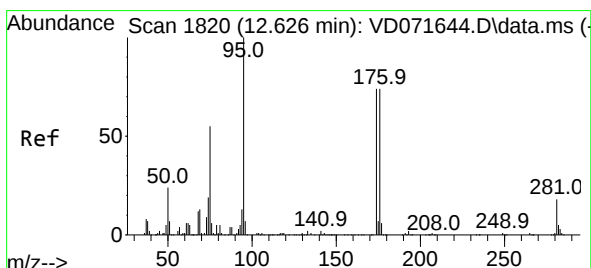
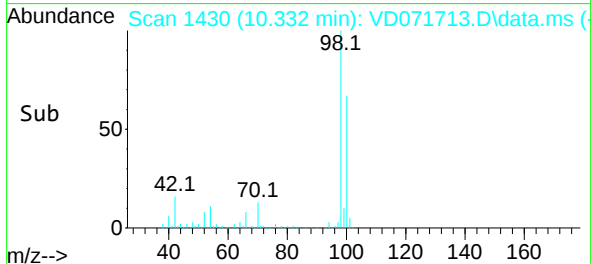
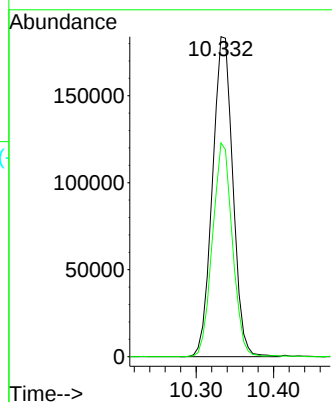
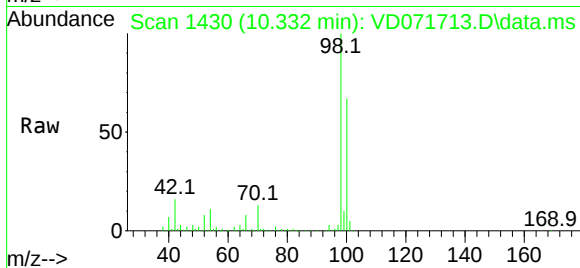
TP-1D

Tgt Ion: 98 Resp: 337235

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 51.089 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD071713.D

Acq: 13 Jan 2022 16:45

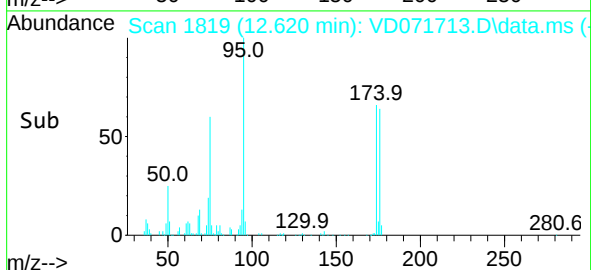
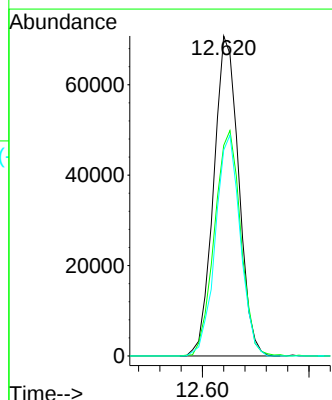
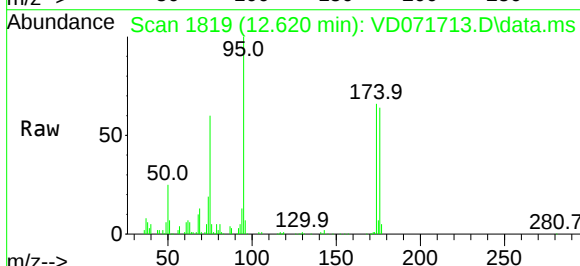
Tgt Ion: 95 Resp: 115336

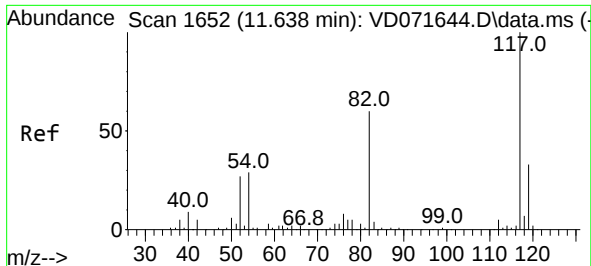
Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.0

176 68.5 0.0 146.4

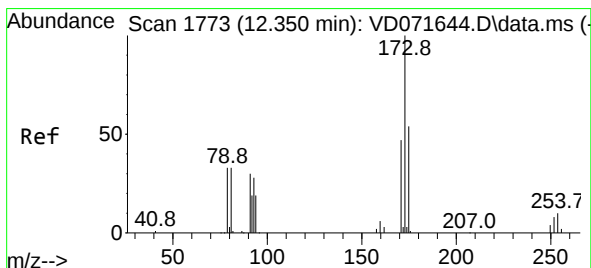
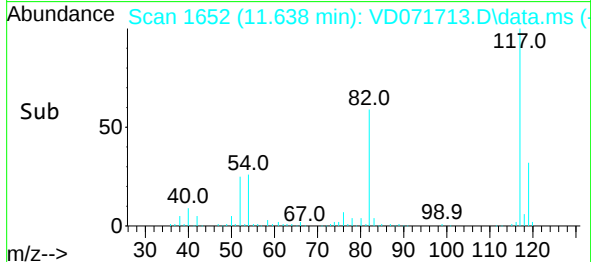
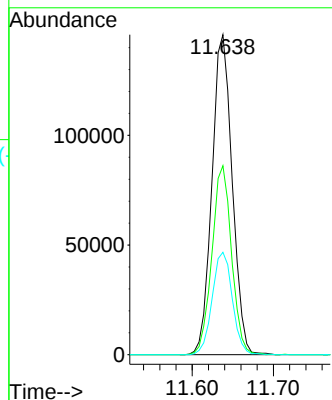
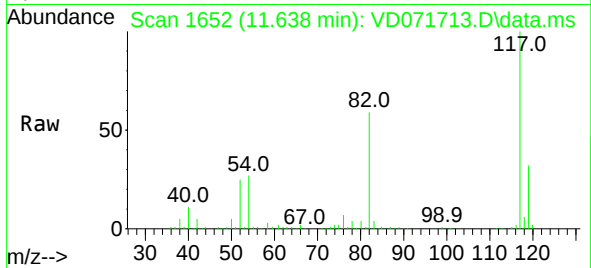




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

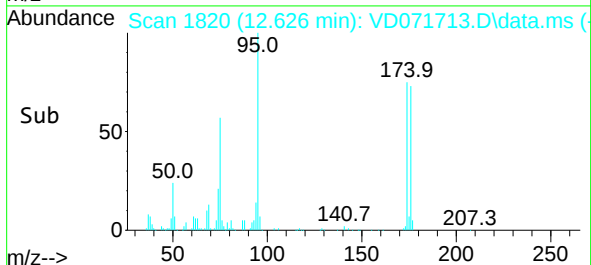
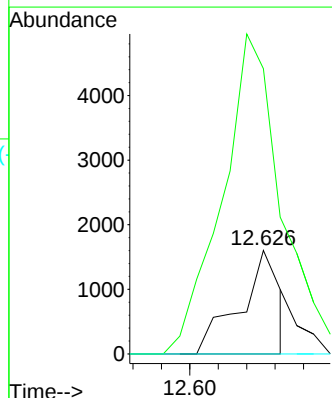
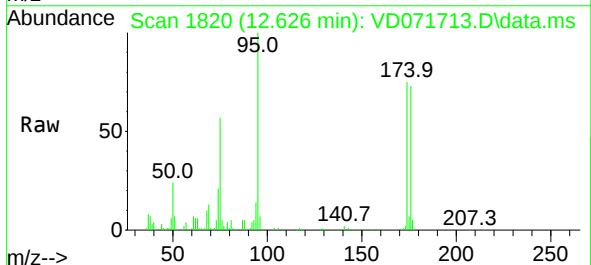
Instrument :
MSVOA_D
ClientSampleId :
TP-1D

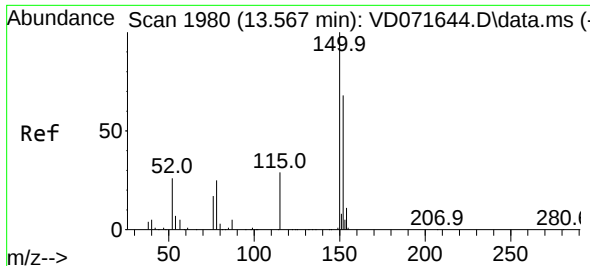
Tgt Ion:117 Resp: 252938
Ion Ratio Lower Upper
117 100
82 59.0 46.9 70.3
119 32.0 26.6 39.8



#71
Bromoform
Concen: 1.744 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071713.D
Acq: 13 Jan 2022 16:45

Tgt Ion:173 Resp: 1563
Ion Ratio Lower Upper
173 100
175 397.8 24.4 73.2#
254 0.0 0.1 0.1#

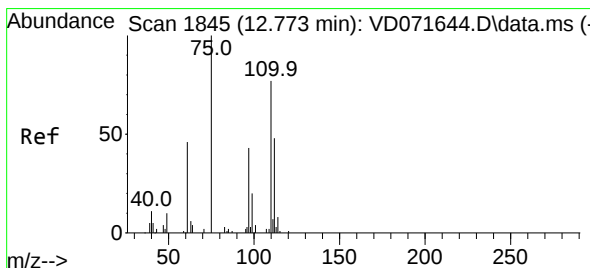
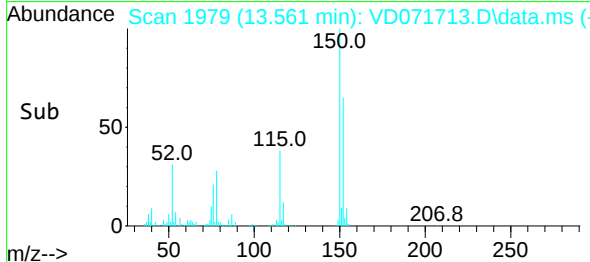
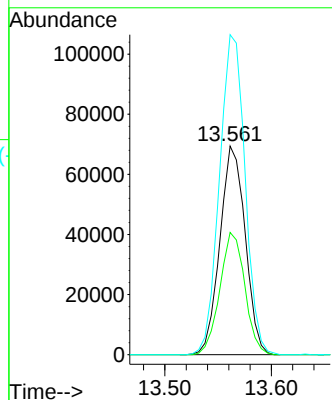
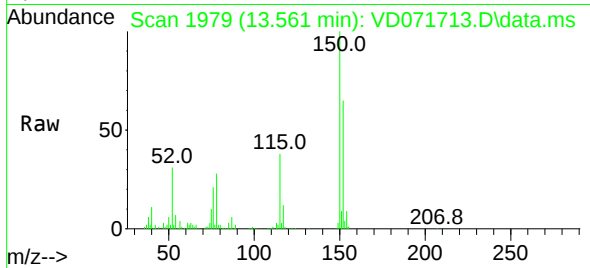




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD071713.D
 Acq: 13 Jan 2022 16:45

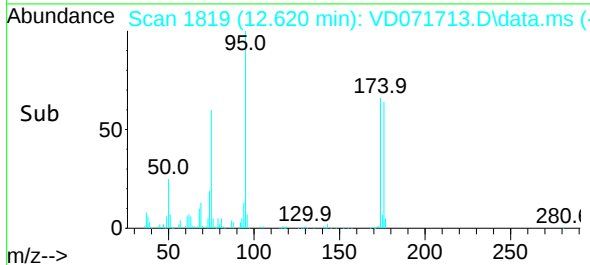
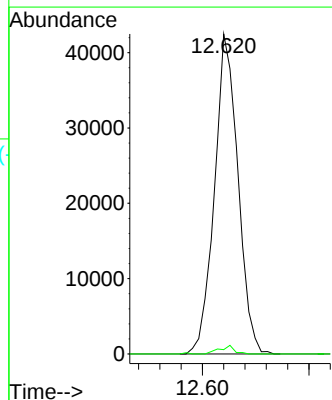
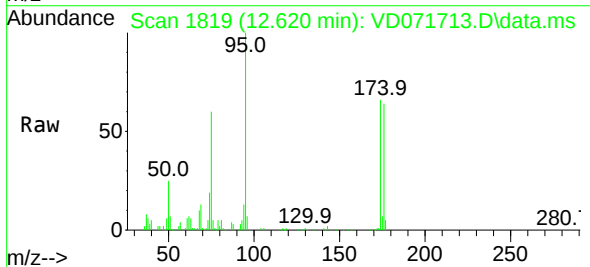
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1D

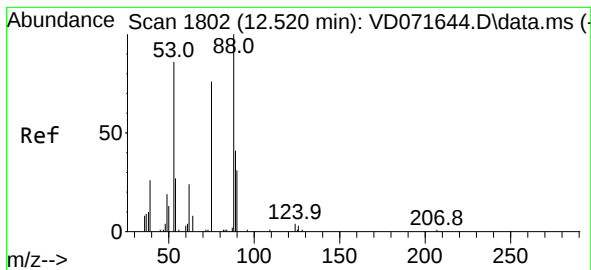
Tgt Ion:152 Resp: 114562
 Ion Ratio Lower Upper
 152 100
 115 57.7 31.5 94.5
 150 155.2 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 58.640 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD071713.D
 Acq: 13 Jan 2022 16:45

Tgt Ion: 75 Resp: 64914
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.482 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071713.D
 Acq: 13 Jan 2022 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1D

Tgt Ion: 75 Resp: 64914
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.4 143.0#
 89 0.0 37.2 55.8#

