

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011222\
 Data File : VD071689.D
 Acq On : 12 Jan 2022 16:33
 Operator : VA/SY
 Sample : N1106-06
 Misc : 5.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SO-0022C-01-6

Quant Time: Jan 13 05:29:34 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)

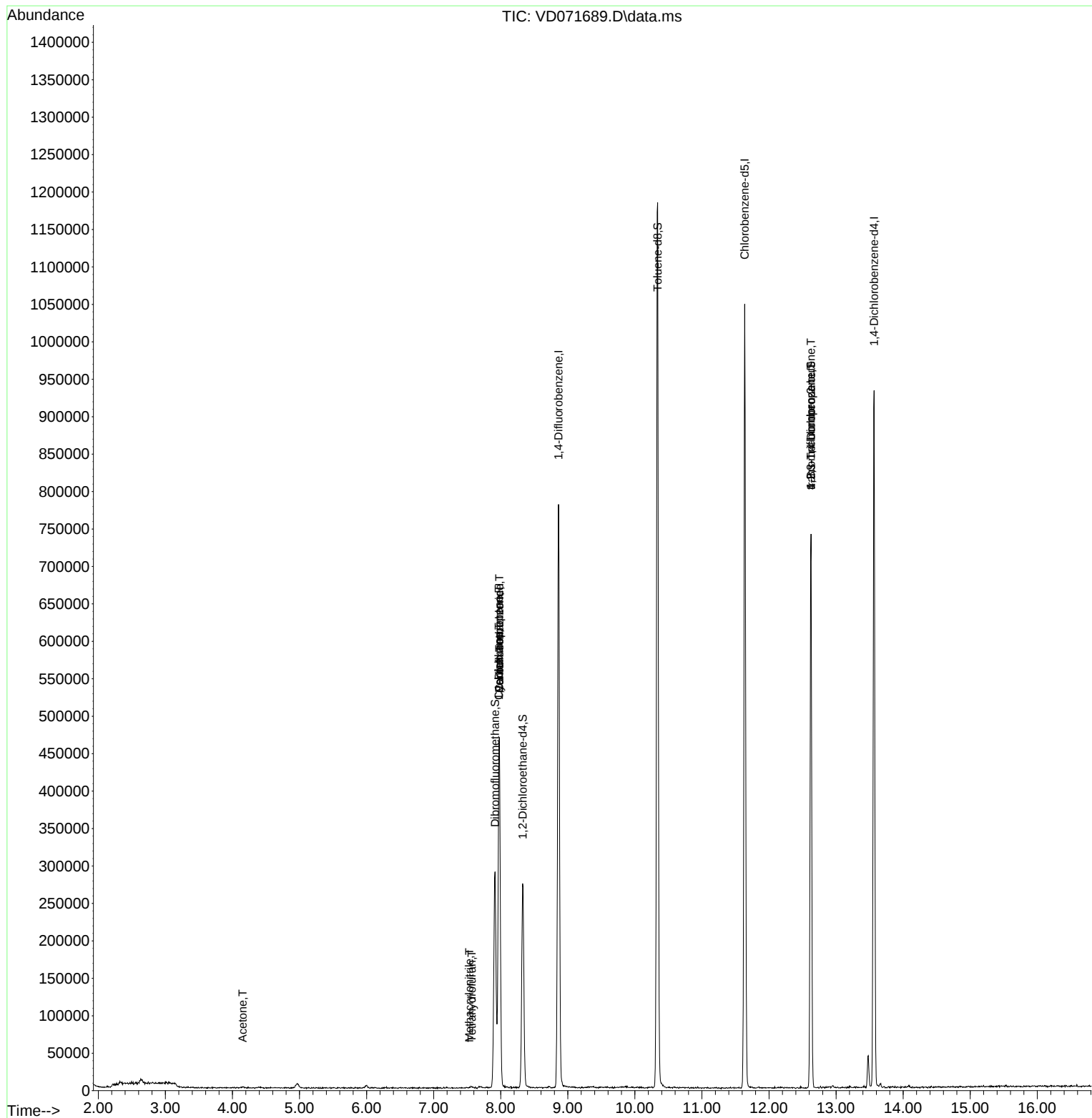
Internal Standards						
1) Pentafluorobenzene	7.979	168	319833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	600776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	537061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	225220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	216204	52.536	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.080%	
35) Dibromofluoromethane	7.914	113	199489	50.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.480%	
50) Toluene-d8	10.338	98	771771	51.928	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.860%	
62) 4-Bromofluorobenzene	12.626	95	227651	43.469	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.940%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	269	Below Cal	#	43
3) Chloromethane	2.215	50	249	Below Cal	#	53
5) Bromomethane	2.785	94	283	Below Cal		92
16) Acetone	4.150	43	1133	1.192	ug/l	93
18) Methyl Acetate	4.750	43	88	Below Cal	#	56
20) Methylene Chloride	4.968	84	4568	Below Cal	#	65
29) Tetrahydrofuran	7.567	42	914	1.415	ug/l	# 65
31) Cyclohexane	7.973	56	10094	2.081	ug/l	# 31
36) 1,1-Dichloropropene	7.973	75	31692	5.596	ug/l	# 51
38) Carbon Tetrachloride	7.979	117	35783	6.239	ug/l	# 19
41) Methacrylonitrile	7.532	41	138	1.214	ug/l	# 25
76) 1,2,3-Trichloropropane	12.626	75	132610	60.935	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	132610	169.880	ug/l	# 3

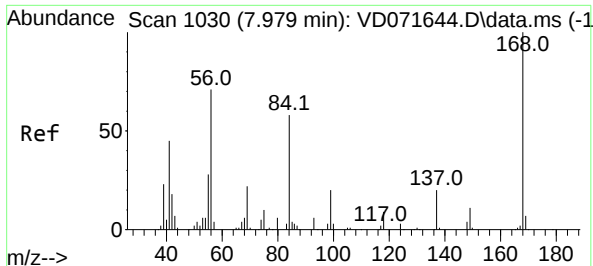
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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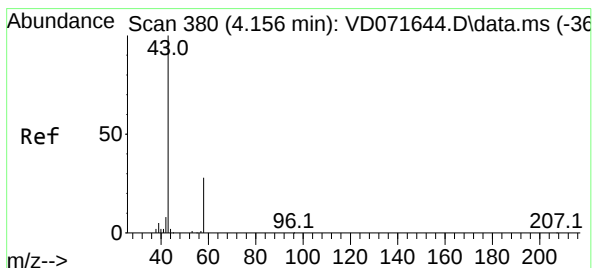
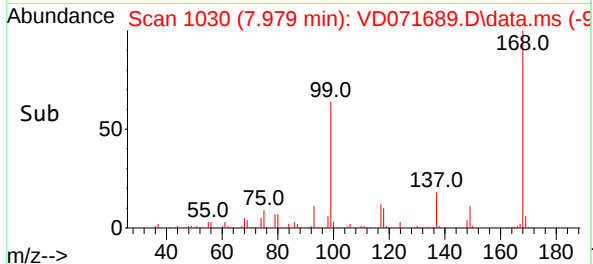
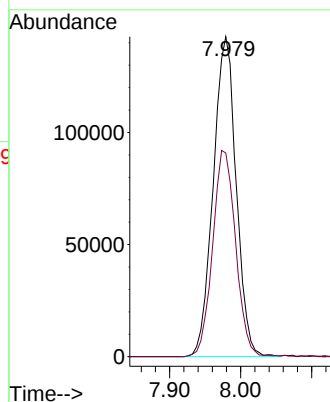
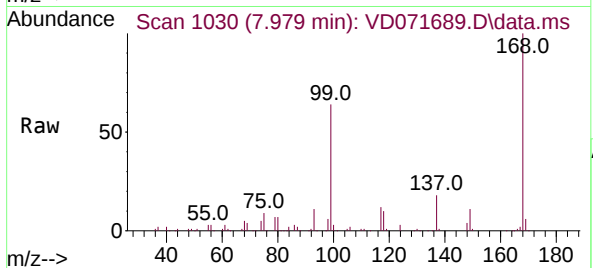




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

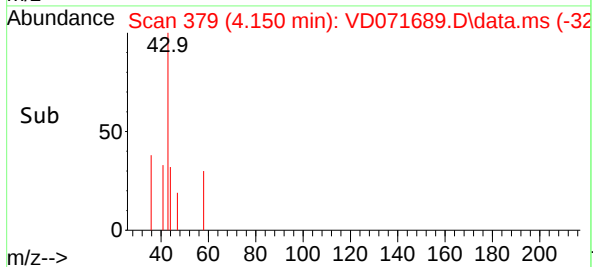
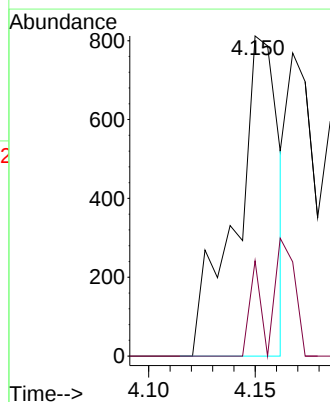
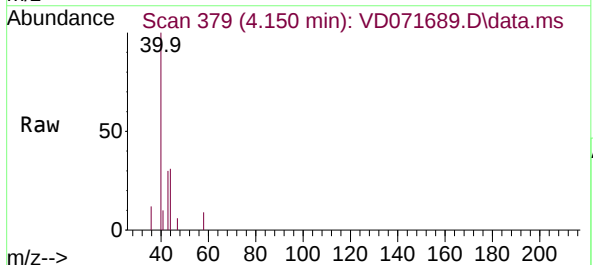
Instrument :
MSVOA_D
ClientSampleId :
SO-0022C-01-6

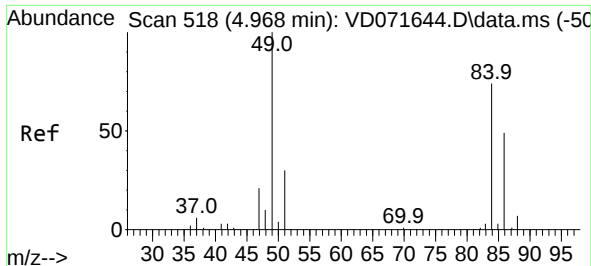
Tgt Ion:168 Resp: 319833
Ion Ratio Lower Upper
168 100
99 63.7 51.8 77.6



#16
Acetone
Concen: 1.192 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.005 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
58 29.8 21.0 31.6

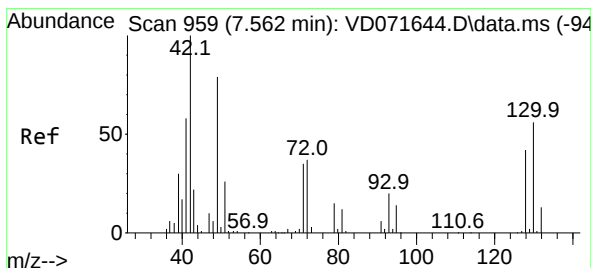
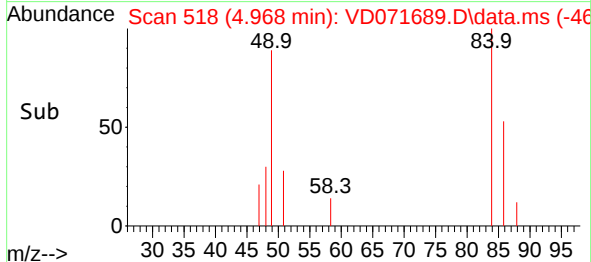
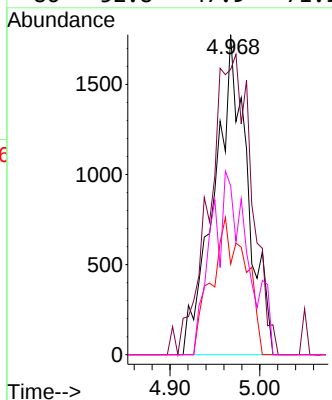
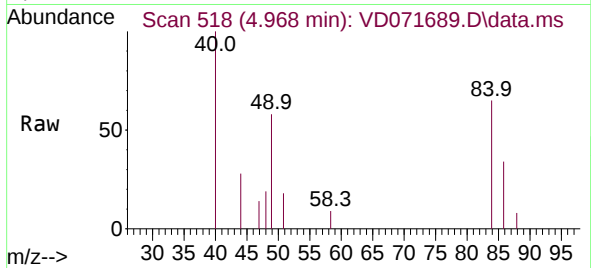




#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.001 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

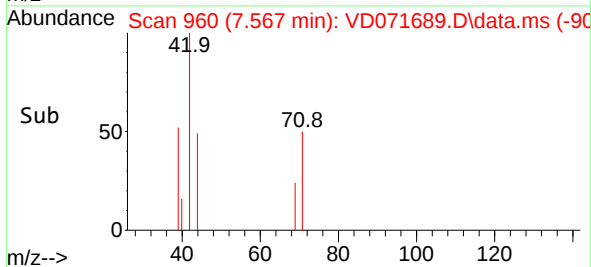
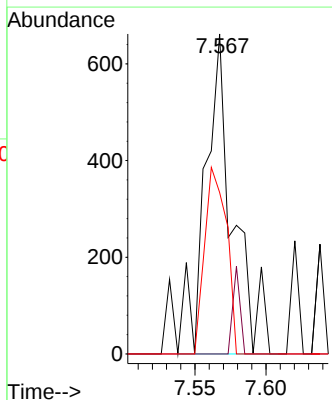
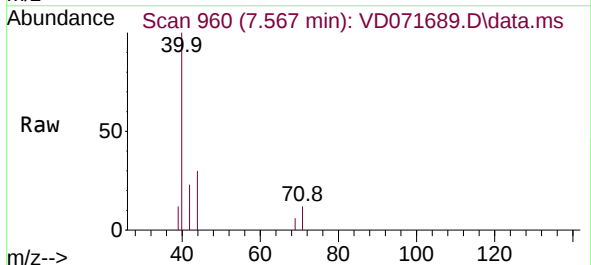
Instrument :
MSVOA_D
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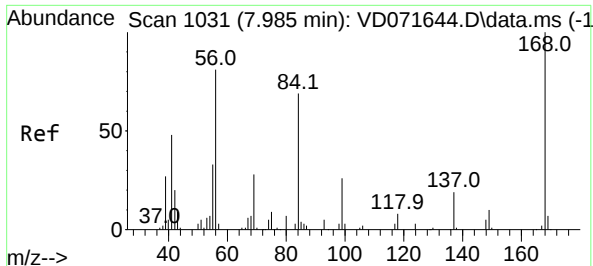
Tgt Ion:	84	Resp:	4568
Ion	Ratio	Lower	Upper
84	100		
49	89.1	118.6	178.0#
51	28.3	37.8	56.6#
86	52.8	47.9	71.9



#29
Tetrahydrofuran
Concen: 1.415 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

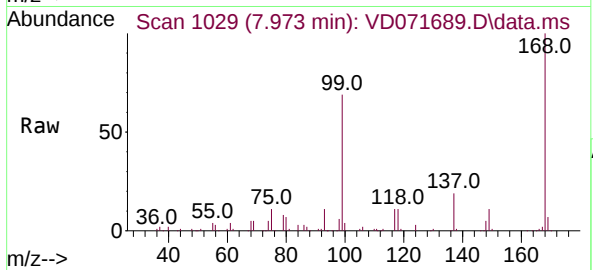
Tgt Ion:	42	Resp:	914
Ion	Ratio	Lower	Upper
42	100		
72	7.0	29.6	44.4#
71	45.2	27.3	40.9#



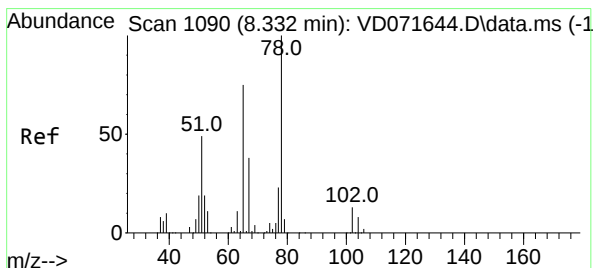
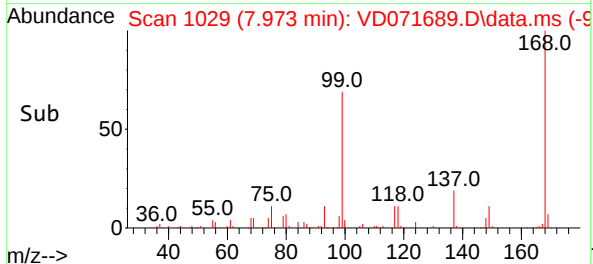
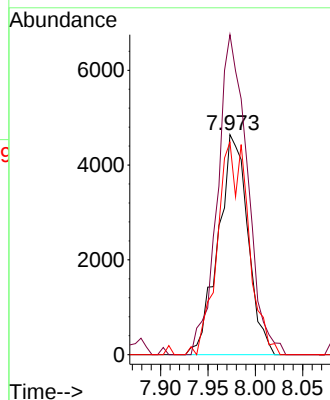


#31
Cyclohexane
Concen: 2.081 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.017 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

Instrument :
MSVOA_D
ClientSampleId :
SO-0022C-01-6

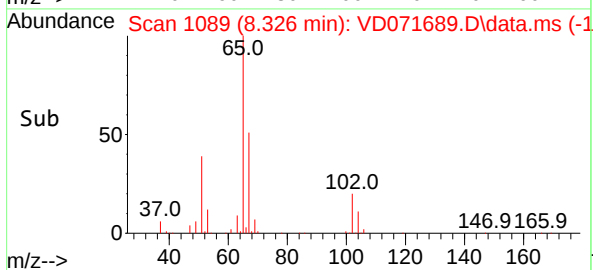
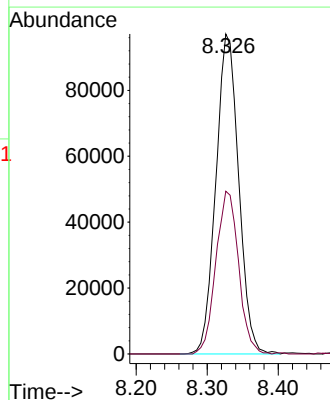
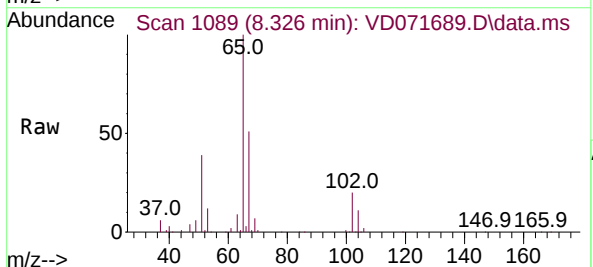


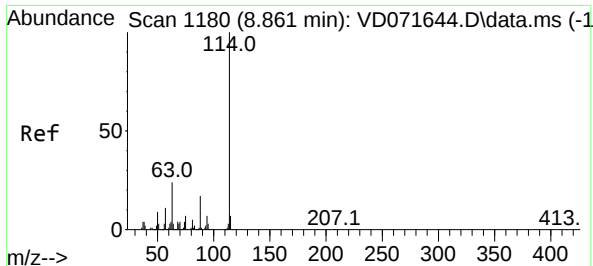
Tgt Ion: 56 Resp: 10094
Ion Ratio Lower Upper
56 100
69 145.5 21.7 32.5#
84 96.6 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 52.536 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

Tgt Ion: 65 Resp: 216204
Ion Ratio Lower Upper
65 100
67 50.5 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: VD071689.D

Acq: 12 Jan 2022 16:33

Instrument :

MSVOA_D

ClientSampleId :

SO-0022C-01-6

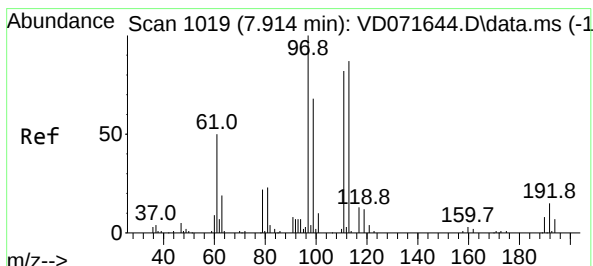
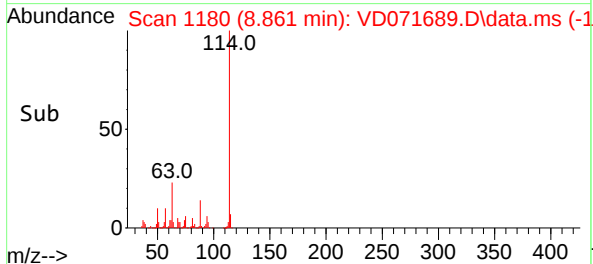
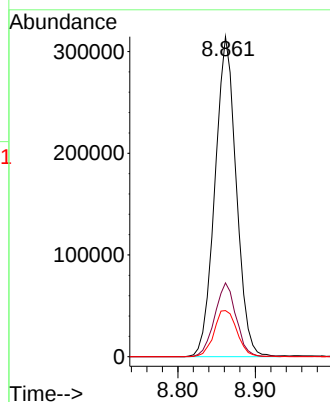
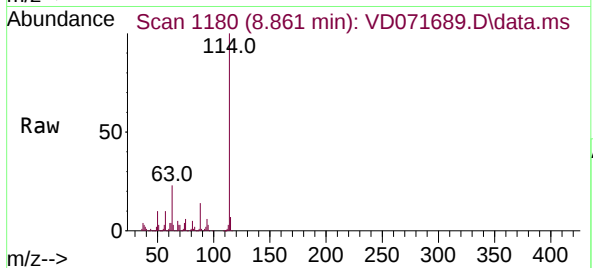
Tgt Ion:114 Resp: 600776

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.2

88 14.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.244 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071689.D

Acq: 12 Jan 2022 16:33

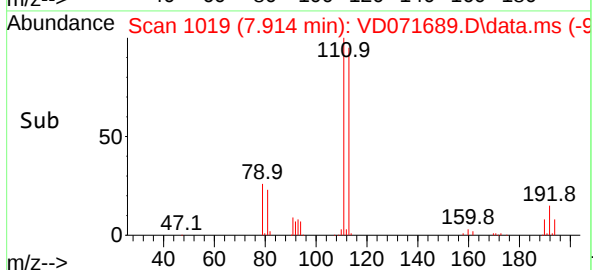
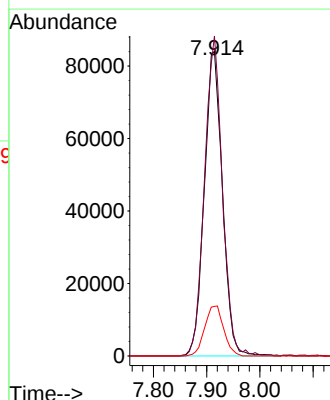
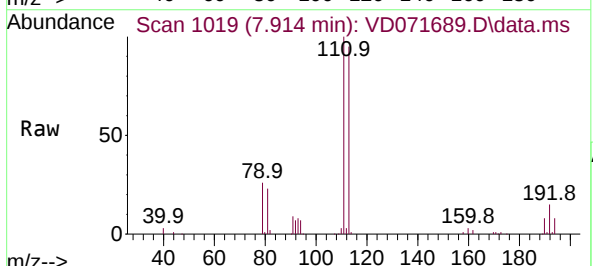
Tgt Ion:113 Resp: 199489

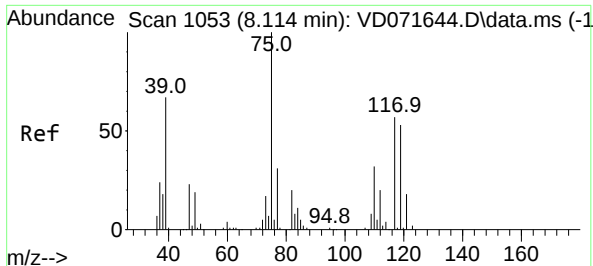
Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.1 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.596 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071689.D

Acq: 12 Jan 2022 16:33

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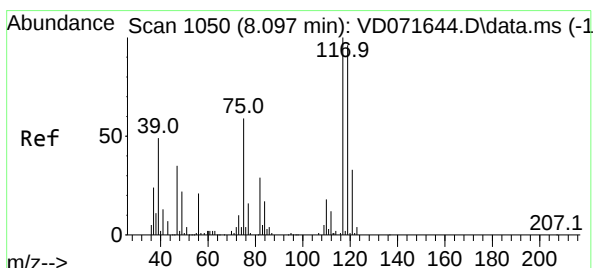
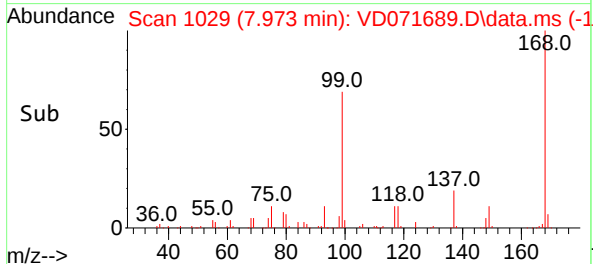
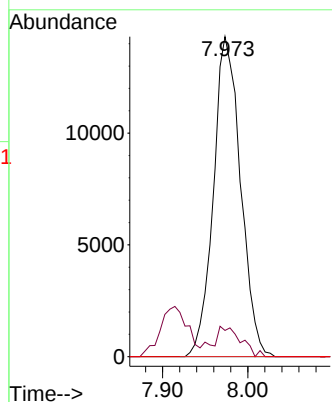
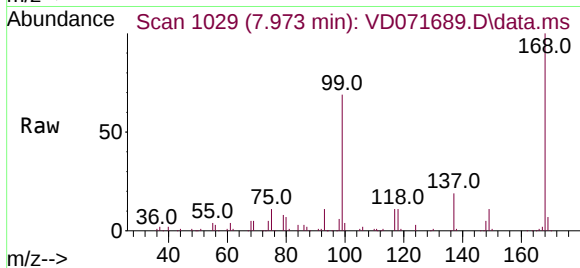
Tgt Ion: 75 Resp: 31692

Ion Ratio Lower Upper

75 100

110 8.3 16.0 48.0#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.239 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.117 min

Lab File: VD071689.D

Acq: 12 Jan 2022 16:33

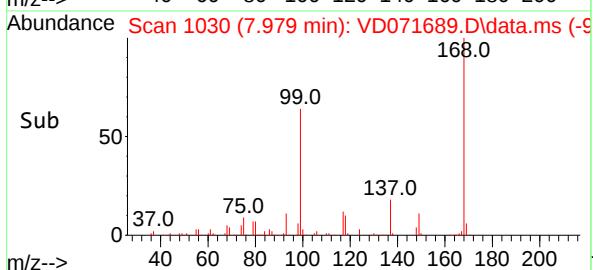
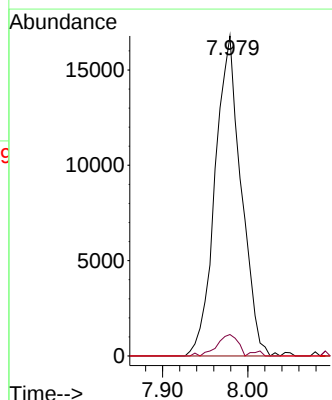
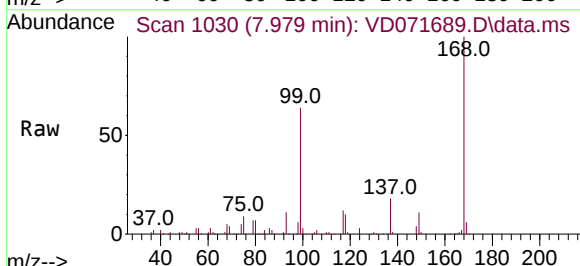
Tgt Ion: 117 Resp: 35783

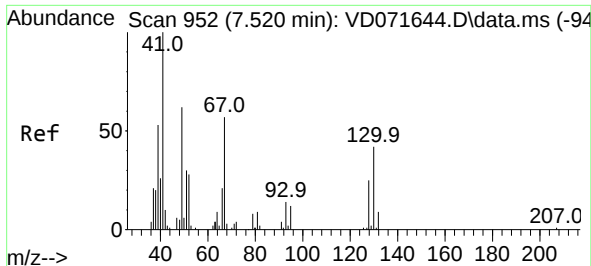
Ion Ratio Lower Upper

117 100

119 6.7 73.4 110.2#

121 0.0 23.9 35.9#

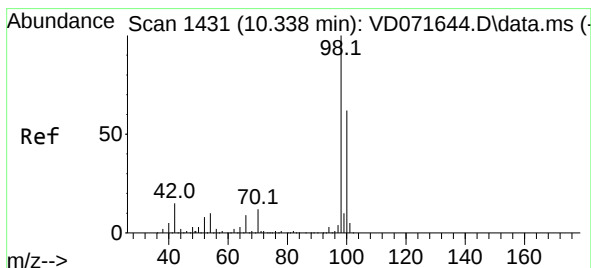
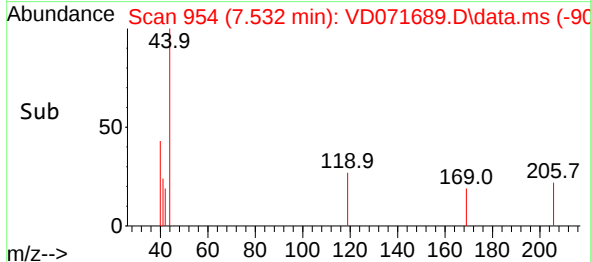
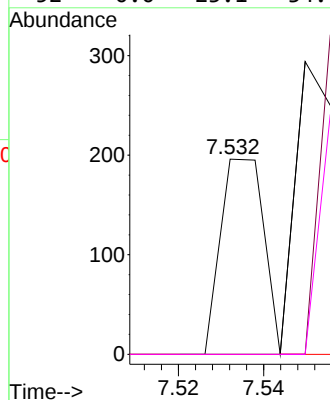
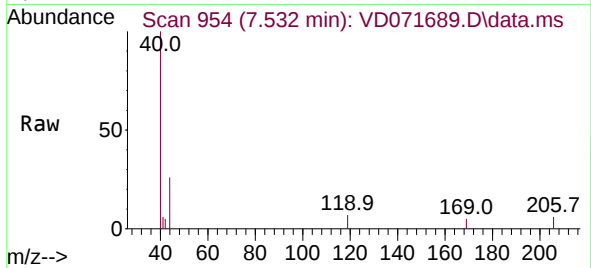




#41
Methacrylonitrile
Concen: 1.214 ug/l
RT: 7.532 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

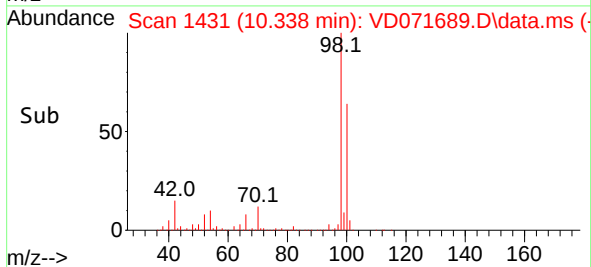
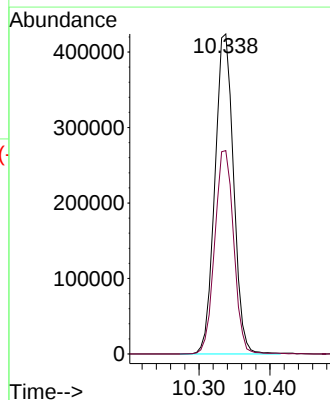
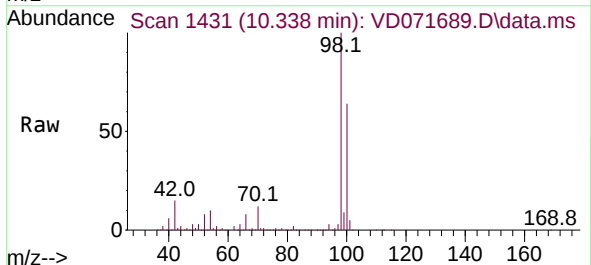
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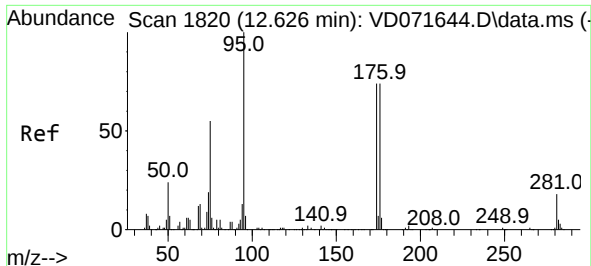
Tgt Ion:	41	Resp:	138
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.9	70.3#
67	0.0	49.3	73.9#
52	0.0	23.1	34.7#



#50
Toluene-d8
Concen: 51.928 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

Tgt Ion:	98	Resp:	771771
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

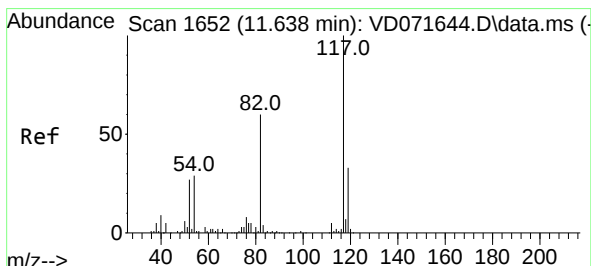
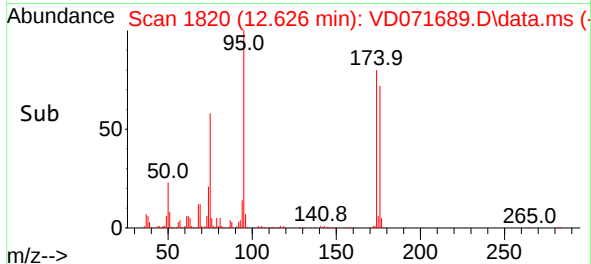
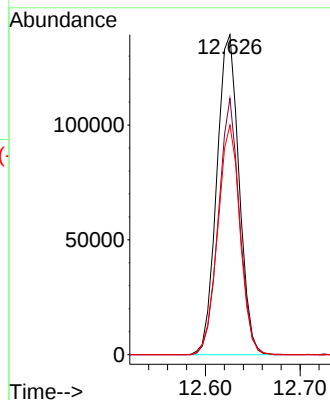
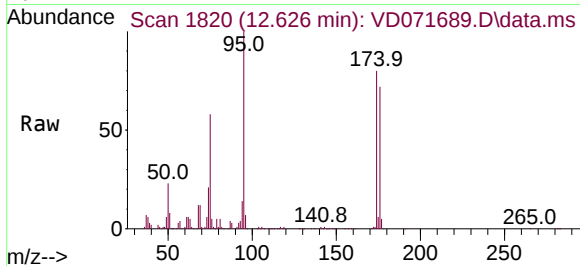




#62
4-Bromofluorobenzene
Concen: 43.469 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

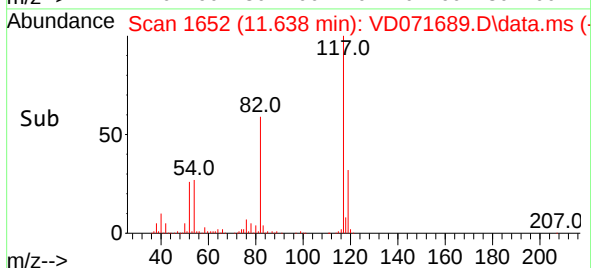
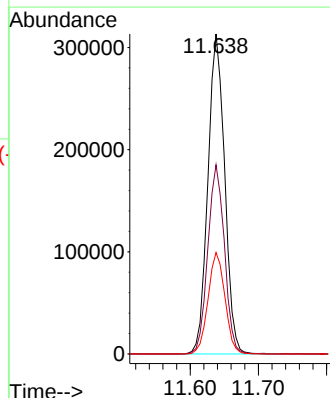
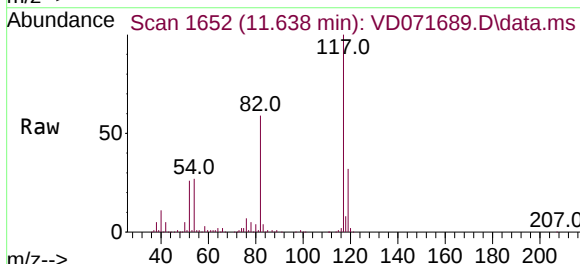
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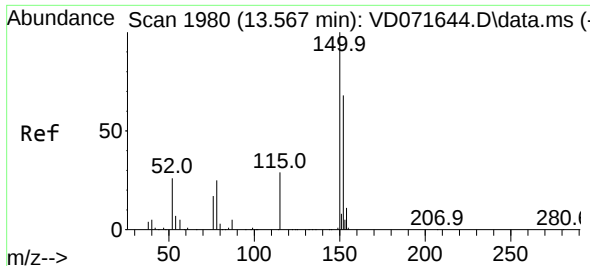
Tgt Ion:	95	Resp:	227651
Ion Ratio	Lower	Upper	
95	100		
174	75.8	0.0	150.0
176	71.8	0.0	146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071689.D
Acq: 12 Jan 2022 16:33

Tgt Ion:	117	Resp:	537061
Ion Ratio	Lower	Upper	
117	100		
82	59.1	46.9	70.3
119	31.7	26.6	39.8

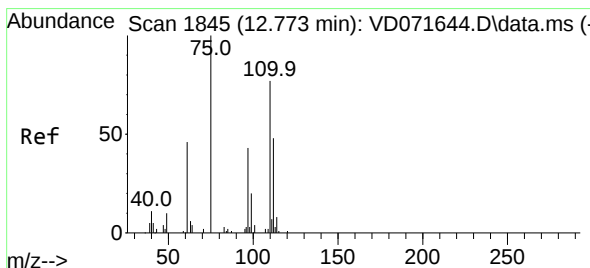
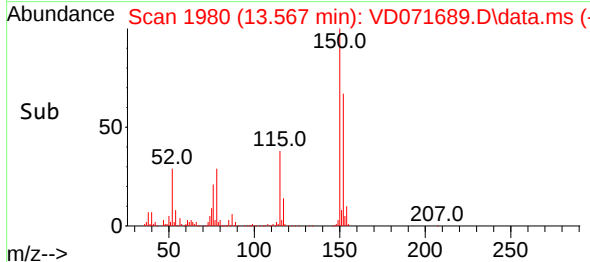
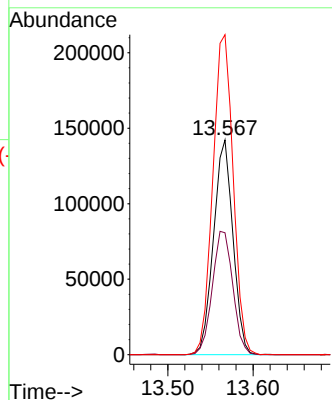
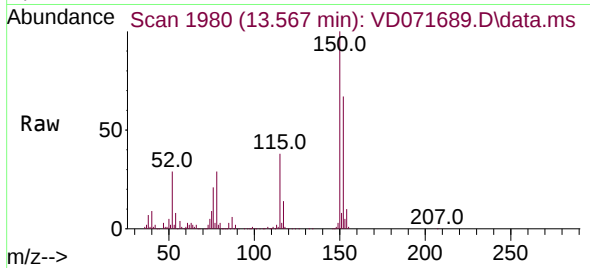




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD071689.D
 Acq: 12 Jan 2022 16:33

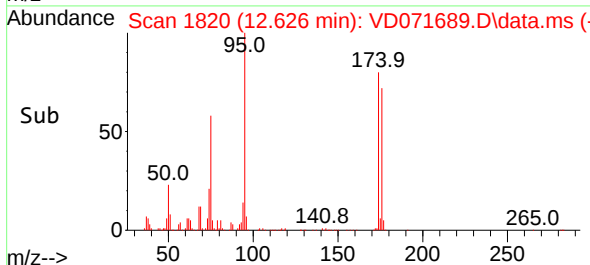
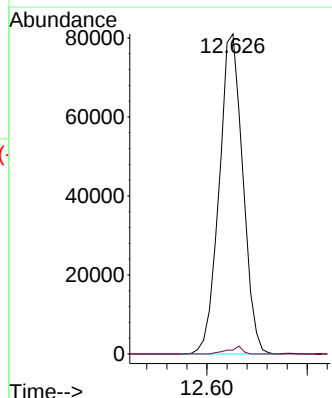
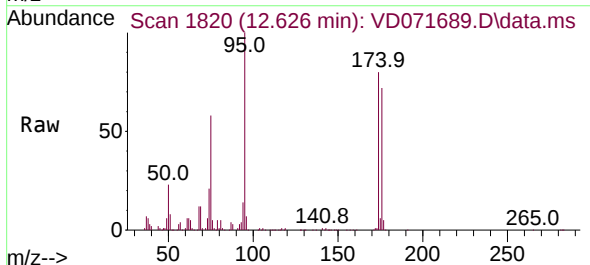
Instrument :
 MSVOA_D
 ClientSampleId :
 SO-0022C-01-6

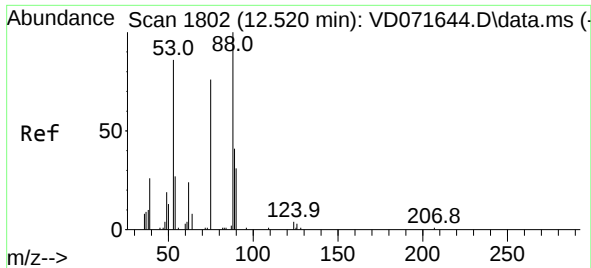
Tgt Ion:152 Resp: 225220
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.5 94.5
 150 155.9 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 60.935 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071689.D
 Acq: 12 Jan 2022 16:33

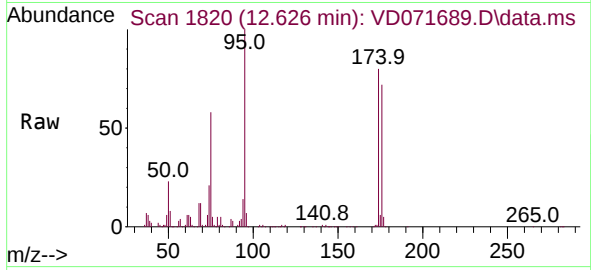
Tgt Ion: 75 Resp: 132610
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 169.880 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071689.D
 Acq: 12 Jan 2022 16:33

Instrument :
 MSVOA_D
 ClientSampleId :
 SO-0022C-01-6



Tgt Ion: 75 Resp: 132610
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.4 143.0#
 89 0.1 37.2 55.8#

