

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
 Data File : VD071663.D
 Acq On : 10 Jan 2022 17:55
 Operator : VA/SY
 Sample : N1092-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 11 04:10:00 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)

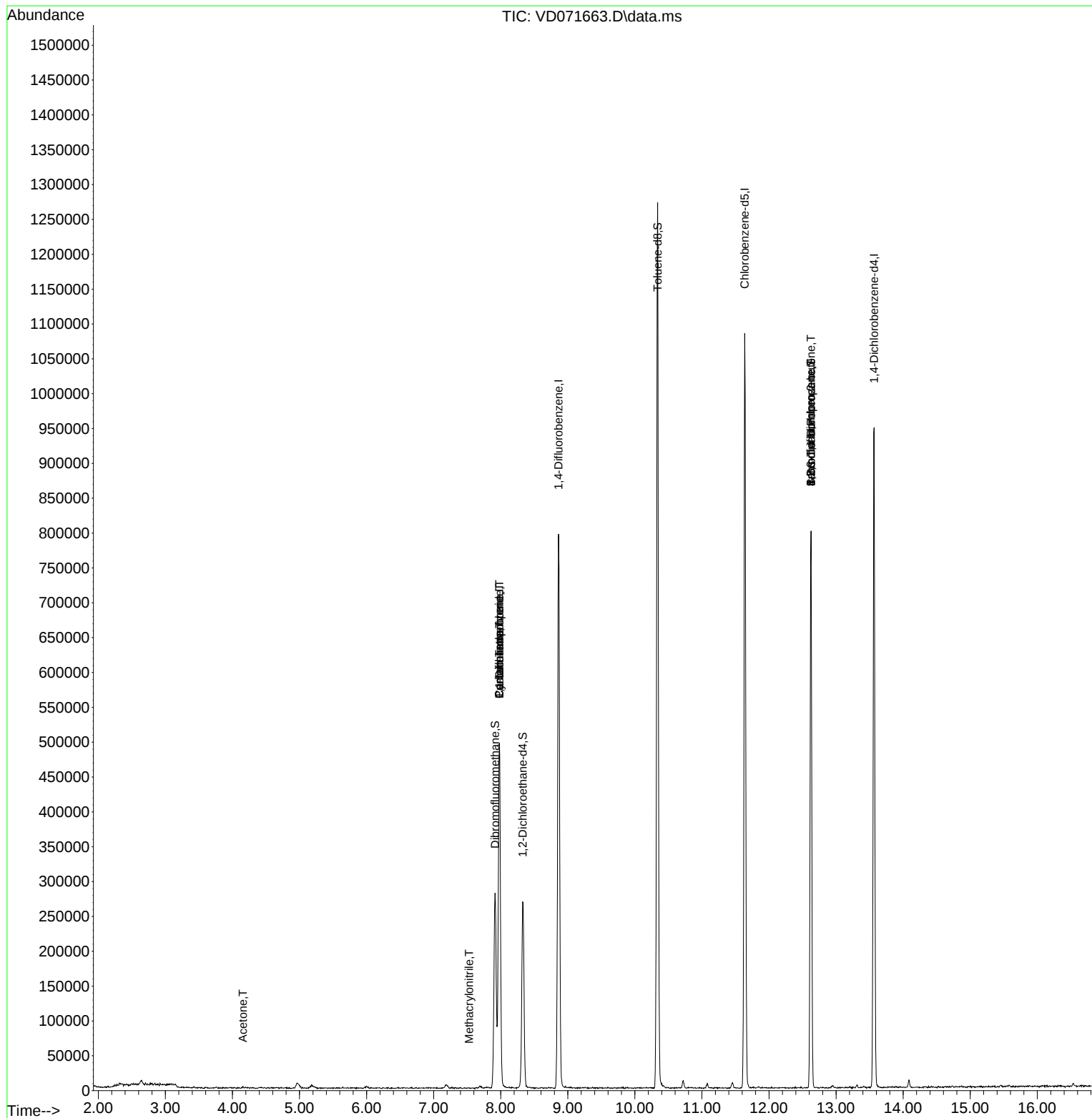
Internal Standards						
1) Pentafluorobenzene	7.979	168	341075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	624651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	566431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	224966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	220418	50.224	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.440%	
35) Dibromofluoromethane	7.914	113	197791	47.913	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.820%	
50) Toluene-d8	10.338	98	807365	52.246	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.500%	
62) 4-Bromofluorobenzene	12.626	95	238395	43.780	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.560%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	128	Below Cal	#	43
3) Chloromethane	2.209	50	414	Below Cal	#	54
5) Bromomethane	2.791	94	1106	Below Cal	#	61
11) Tert butyl alcohol	5.191	59	3440	Below Cal	#	75
16) Acetone	4.156	43	1681	1.659	ug/l	93
18) Methyl Acetate	4.697	43	126	Below Cal	#	56
20) Methylene Chloride	4.973	84	4751	Below Cal		91
31) Cyclohexane	7.979	56	10360	2.015	ug/l #	14
36) 1,1-Dichloropropene	7.979	75	33510	5.691	ug/l #	51
38) Carbon Tetrachloride	7.979	117	38898	6.523	ug/l #	18
41) Methacrylonitrile	7.526	41	164	1.226	ug/l #	25
71) Bromoform	12.626	173	3106	1.548	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	141223	64.966	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	141223	181.118	ug/l #	3

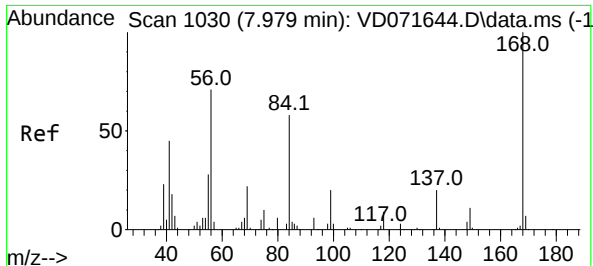
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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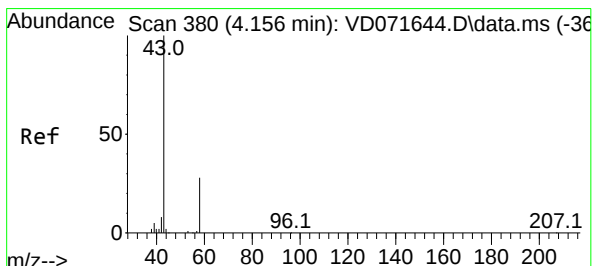
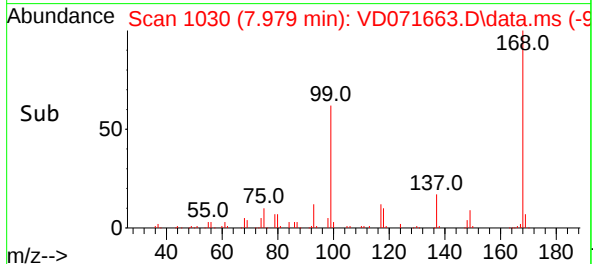
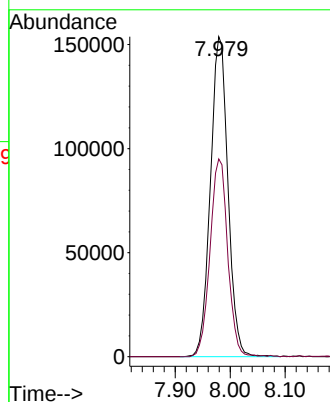
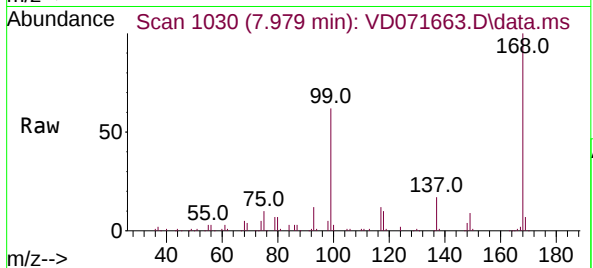




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

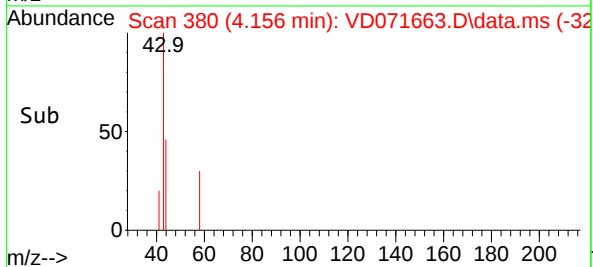
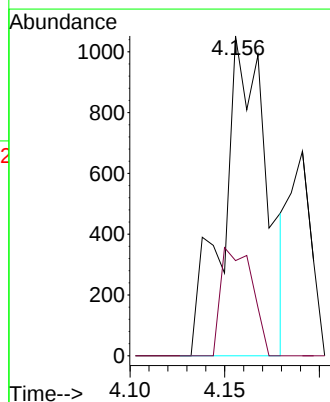
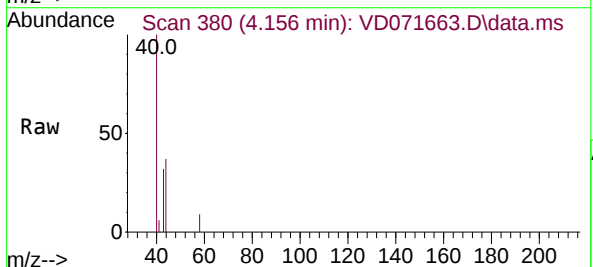
Instrument :
MSVOA_D
ClientSampleId :

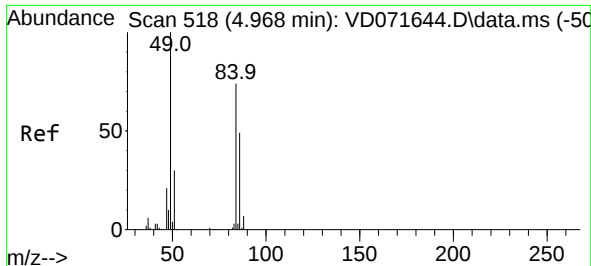
Tgt Ion:168 Resp: 341075
Ion Ratio Lower Upper
168 100
99 61.8 51.8 77.6



#16
Acetone
Concen: 1.659 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

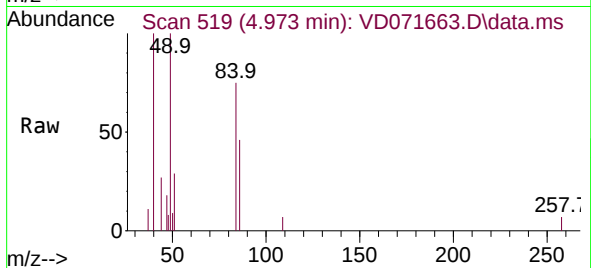
Tgt Ion: 43 Resp: 1681
Ion Ratio Lower Upper
43 100
58 29.8 21.0 31.6



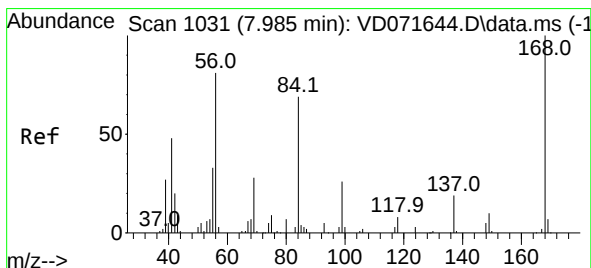
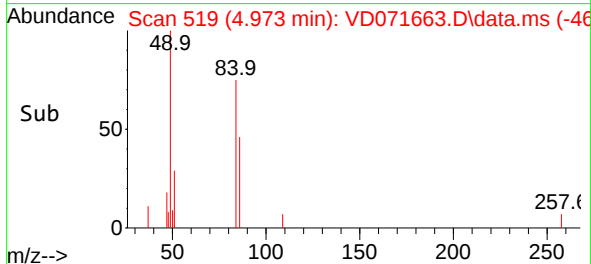
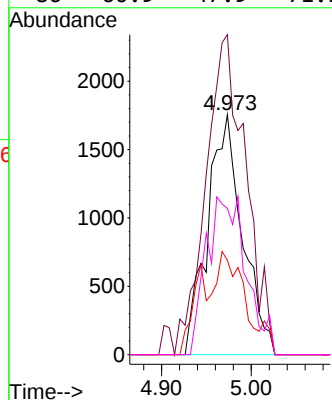


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

Instrument :
MSVOA_D
ClientSampleId :

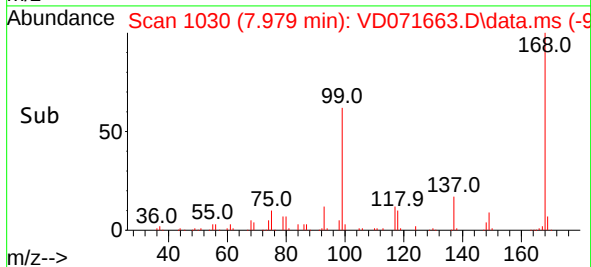
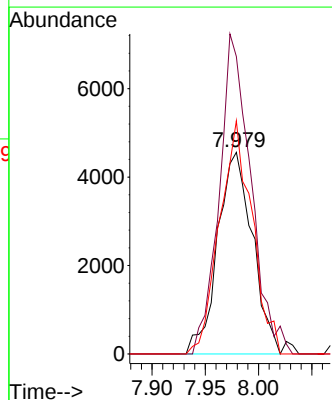
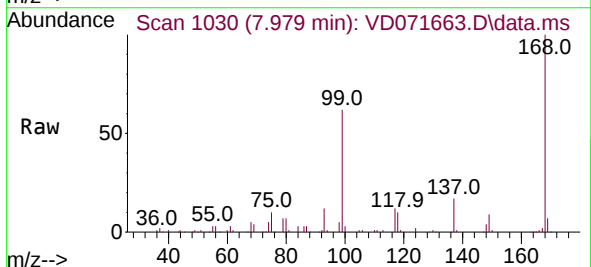


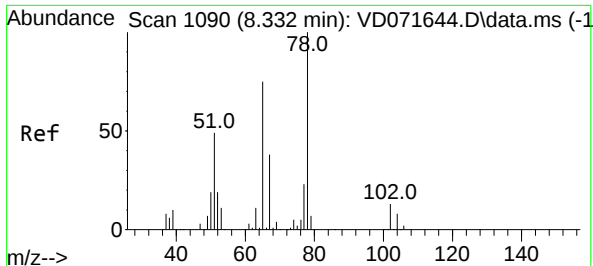
Tgt Ion:	84	Resp:	4751
Ion	Ratio	Lower	Upper
84	100		
49	133.3	118.6	178.0
51	39.3	37.8	56.6
86	60.9	47.9	71.9



#31
Cyclohexane
Concen: 2.015 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

Tgt Ion:	56	Resp:	10360
Ion	Ratio	Lower	Upper
56	100		
69	147.5	21.7	32.5#
84	115.6	65.7	98.5#





#33

1,2-Dichloroethane-d4

Concen: 50.224 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071663.D

Acq: 10 Jan 2022 17:55

Instrument :

MSVOA_D

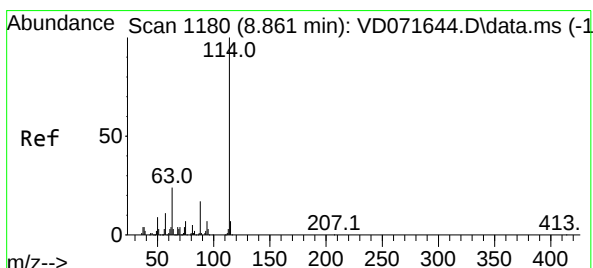
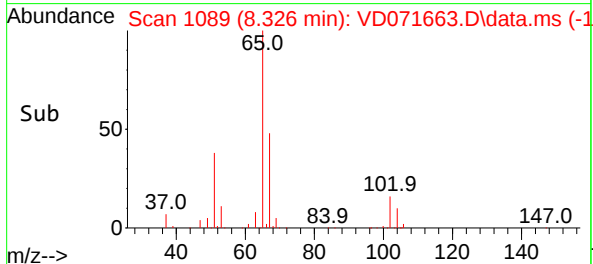
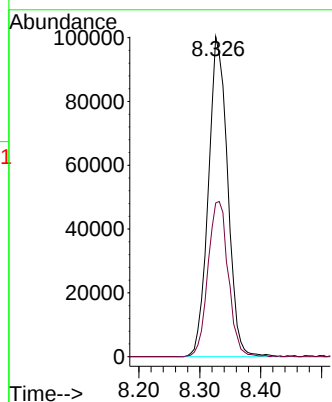
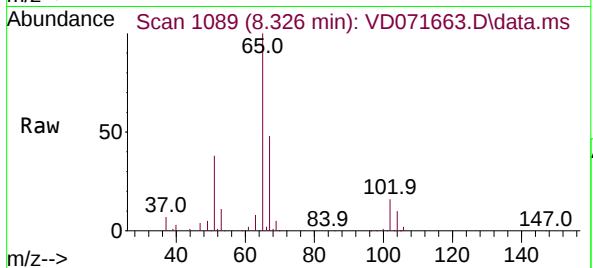
ClientSampleId :

Tgt Ion: 65 Resp: 220418

Ion Ratio Lower Upper

65 100

67 51.1 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: VD071663.D

Acq: 10 Jan 2022 17:55

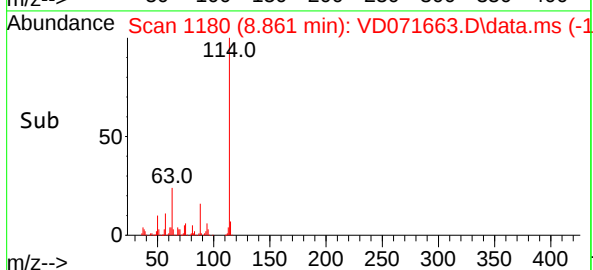
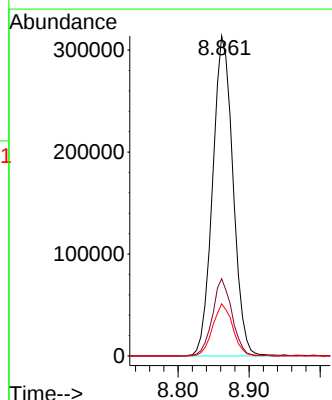
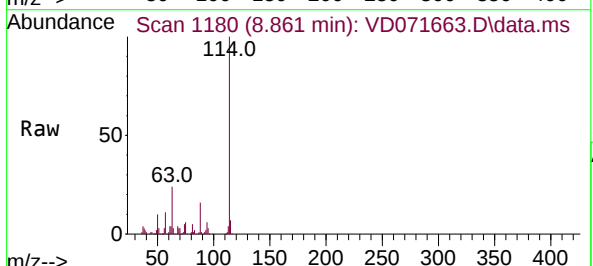
Tgt Ion: 114 Resp: 624651

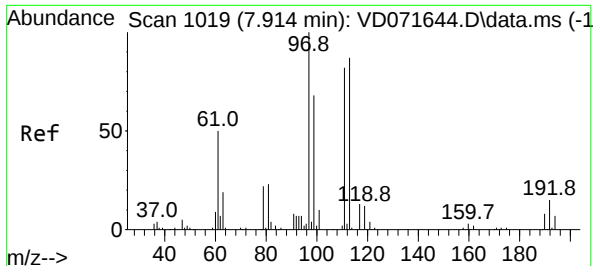
Ion Ratio Lower Upper

114 100

63 24.2 0.0 46.2

88 16.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.913 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

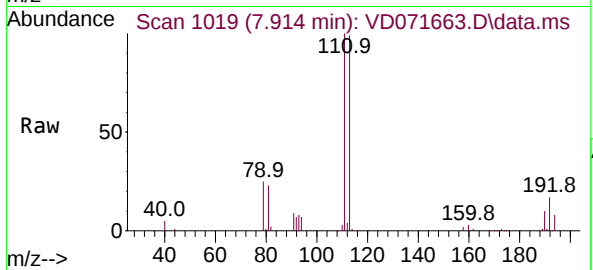
Lab File: VD071663.D

Acq: 10 Jan 2022 17:55

Instrument :

MSVOA_D

ClientSampleId :



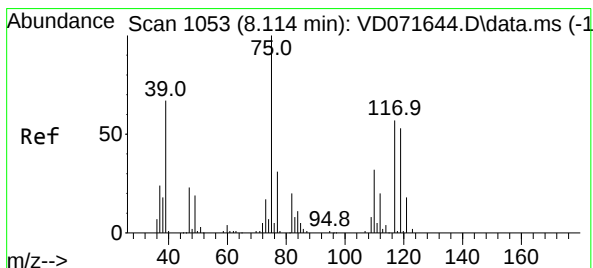
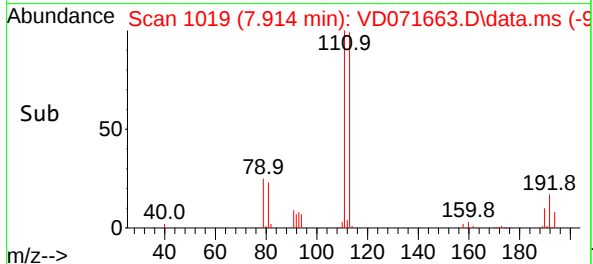
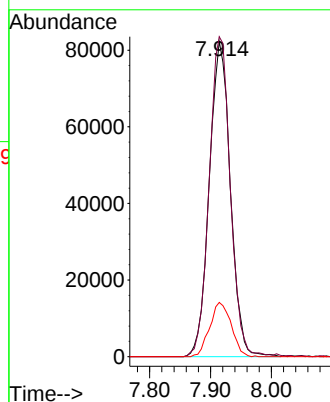
Tgt Ion:113 Resp: 197791

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 17.6 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.691 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071663.D

Acq: 10 Jan 2022 17:55

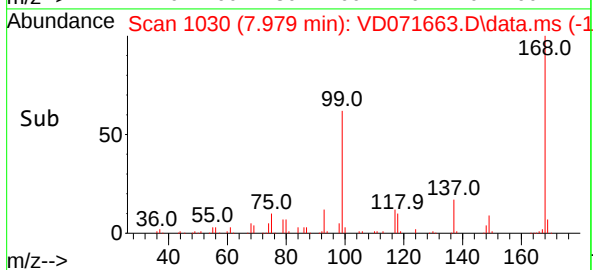
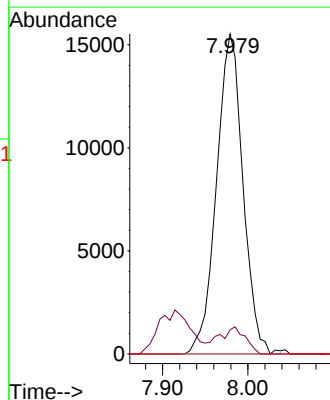
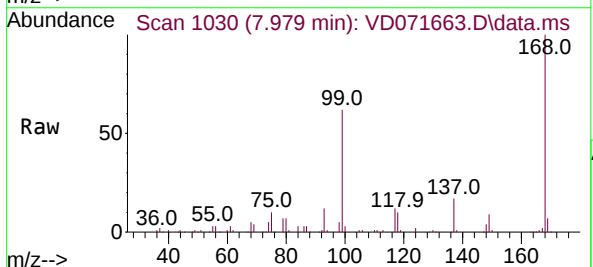
Tgt Ion: 75 Resp: 33510

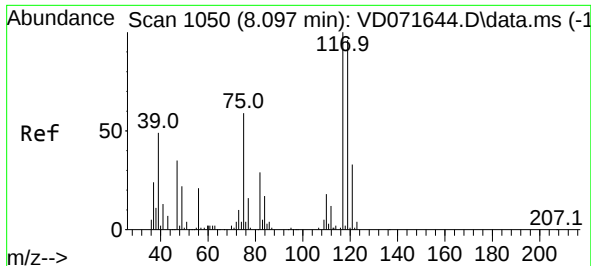
Ion Ratio Lower Upper

75 100

110 8.6 16.0 48.0#

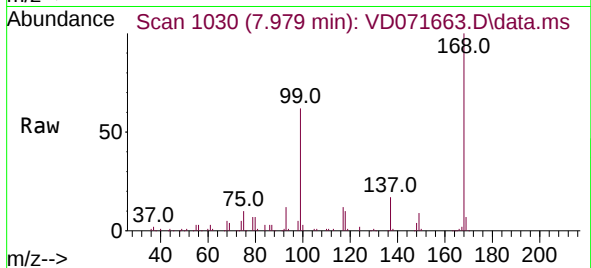
77 0.0 24.5 36.7#



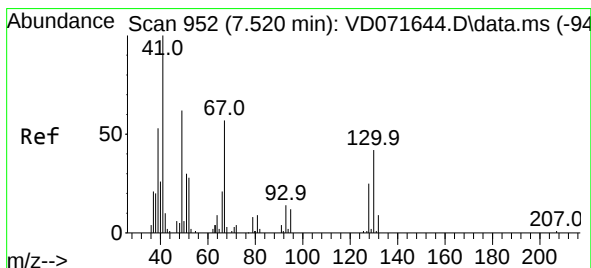
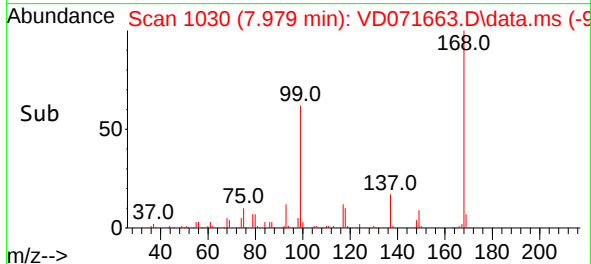
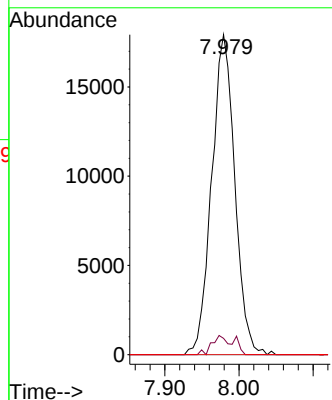


#38
Carbon Tetrachloride
Concen: 6.523 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.117 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

Instrument :
MSVOA_D
ClientSampleId :

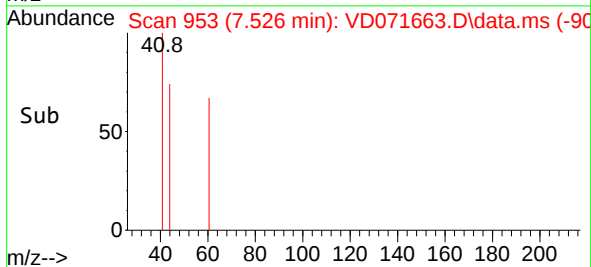
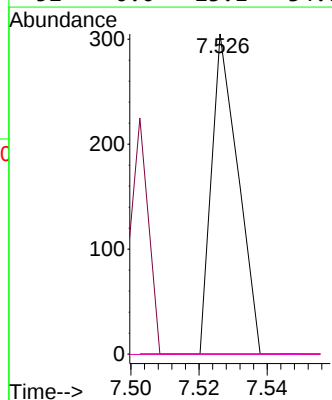
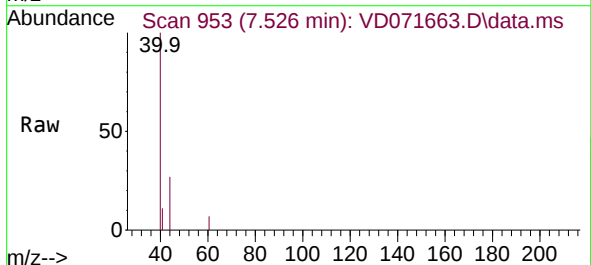


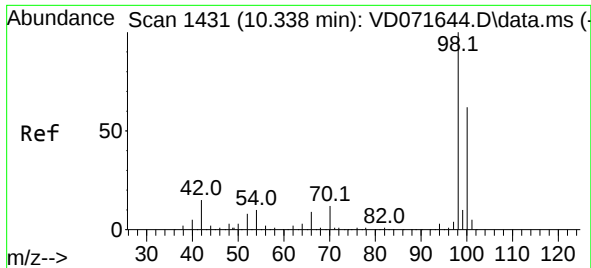
Tgt Ion:117 Resp: 38898
Ion Ratio Lower Upper
117 100
119 5.1 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.226 ug/l
RT: 7.526 min Scan# 953
Delta R.T. 0.006 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

Tgt Ion: 41 Resp: 164
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#

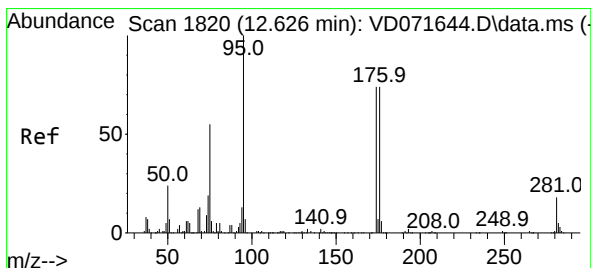
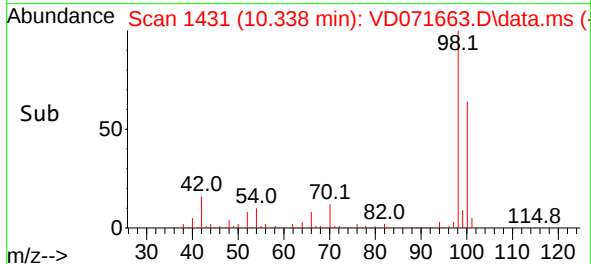
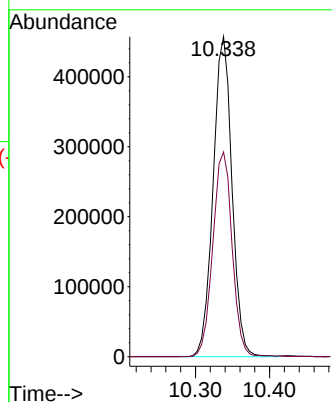
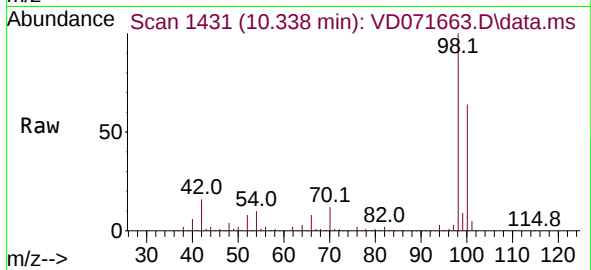




#50
Toluene-d8
Concen: 52.246 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

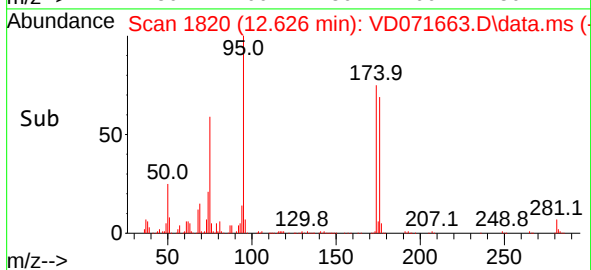
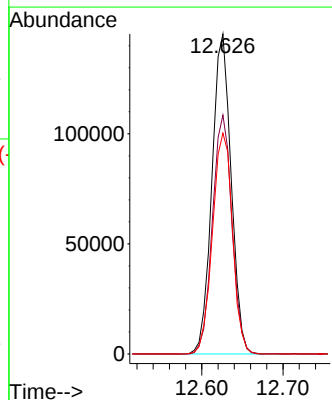
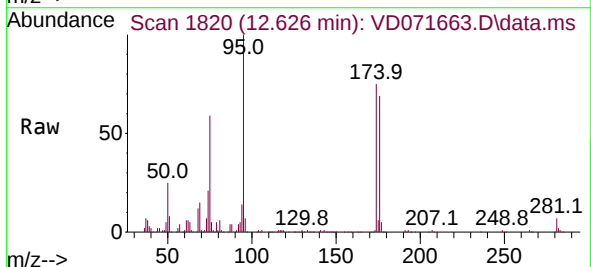
Instrument :
MSVOA_D
ClientSampleId :

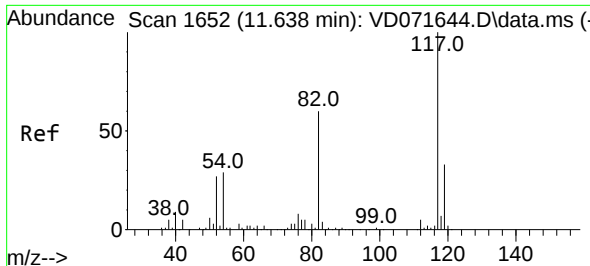
Tgt Ion: 98 Resp: 807365
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.780 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

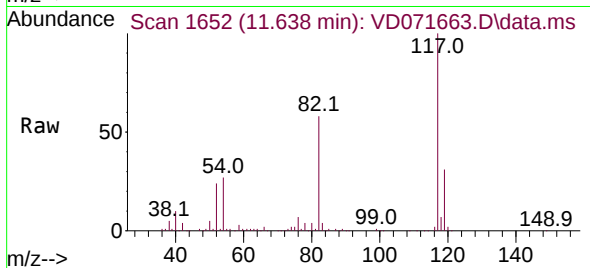
Tgt Ion: 95 Resp: 238395
Ion Ratio Lower Upper
95 100
174 75.8 0.0 150.0
176 71.9 0.0 146.4



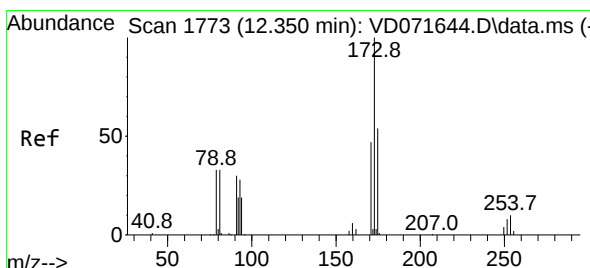
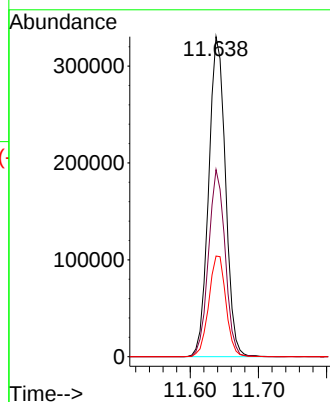
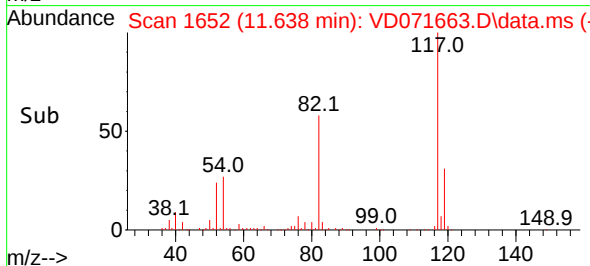


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

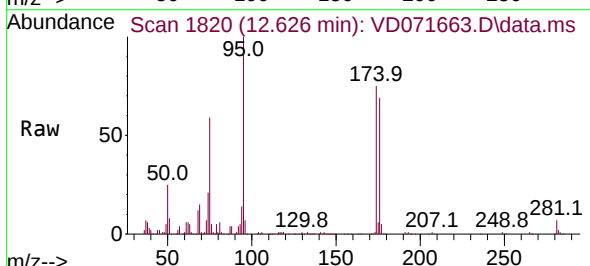
Instrument :
MSVOA_D
ClientSampleId :



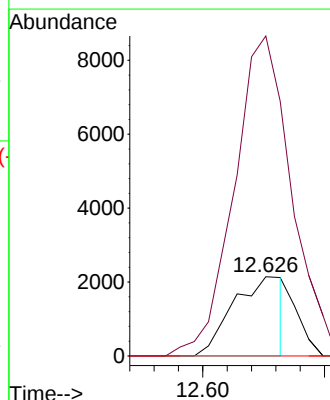
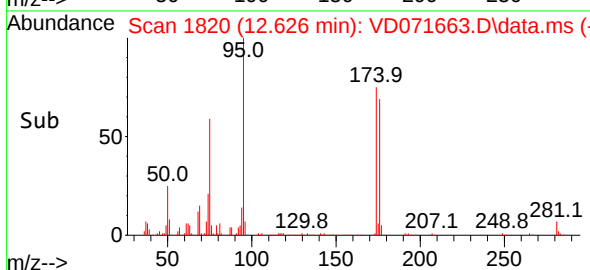
Tgt Ion:117 Resp: 566431
Ion Ratio Lower Upper
117 100
82 58.4 46.9 70.3
119 31.4 26.6 39.8

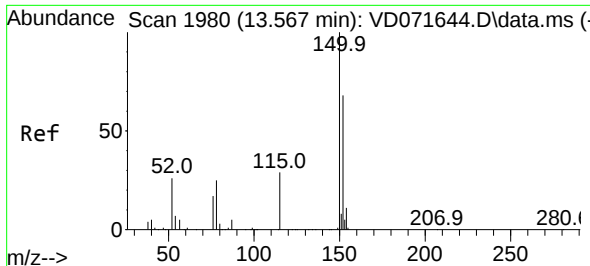


#71
Bromoform
Concen: 1.548 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55



Tgt Ion:173 Resp: 3106
Ion Ratio Lower Upper
173 100
175 375.2 24.4 73.2#
254 0.0 0.1 0.1#

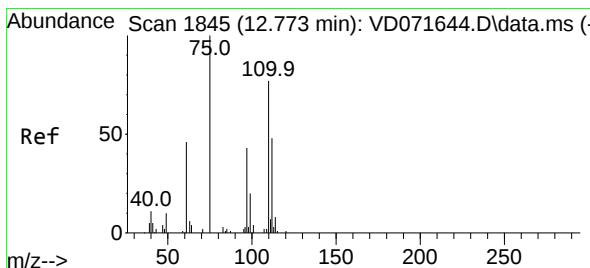
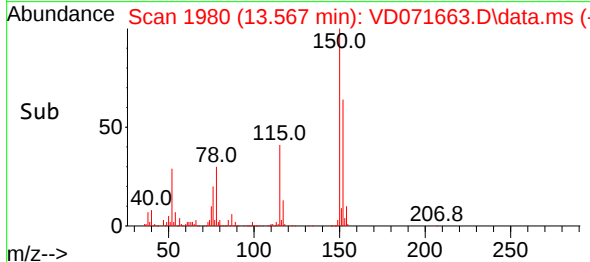
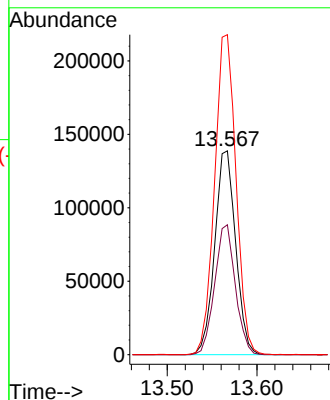
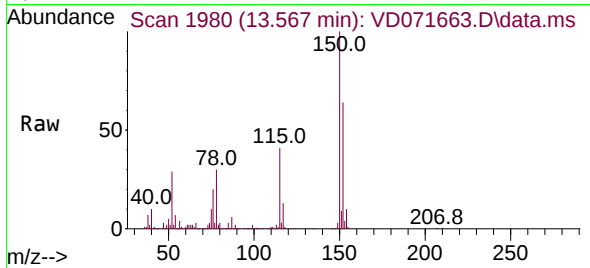




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD071663.D
 Acq: 10 Jan 2022 17:55

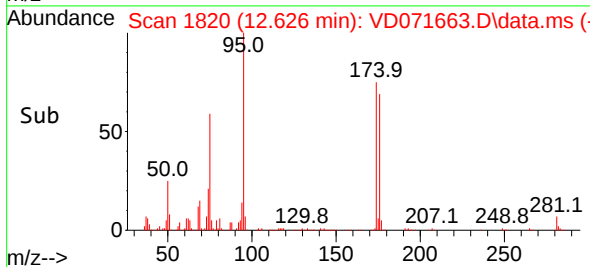
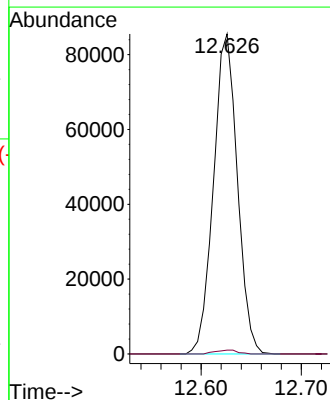
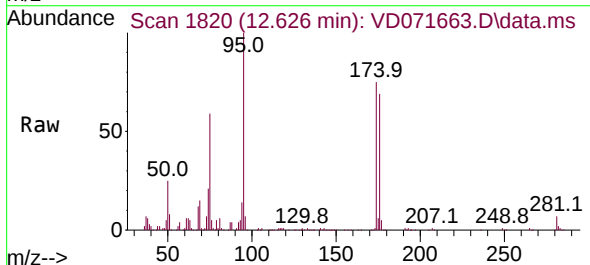
Instrument :
 MSVOA_D
 ClientSampleId :

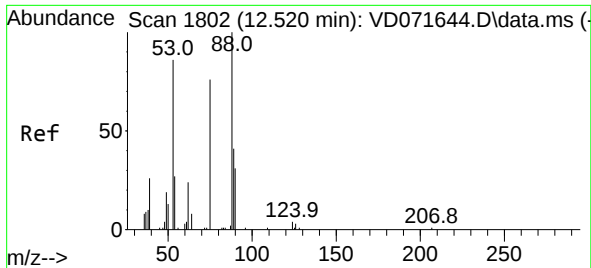
Tgt Ion:152 Resp: 224966
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.5 94.5
 150 160.3 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 64.966 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071663.D
 Acq: 10 Jan 2022 17:55

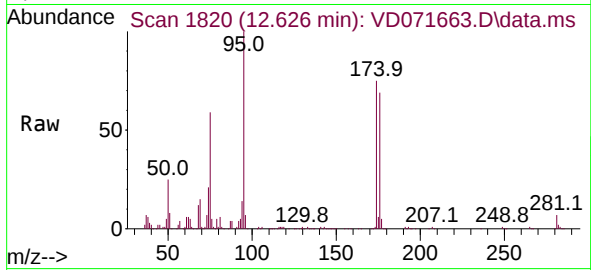
Tgt Ion: 75 Resp: 141223
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 181.118 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071663.D
Acq: 10 Jan 2022 17:55

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 141223
Ion Ratio Lower Upper
75 100
53 0.1 95.4 143.0#
89 0.0 37.2 55.8#

