

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012422\
 Data File : VD071780.D
 Acq On : 24 Jan 2022 16:17
 Operator : VA/SY
 Sample : N1242-03
 Misc : 3.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124055

Quant Time: Jan 25 04:12:07 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)

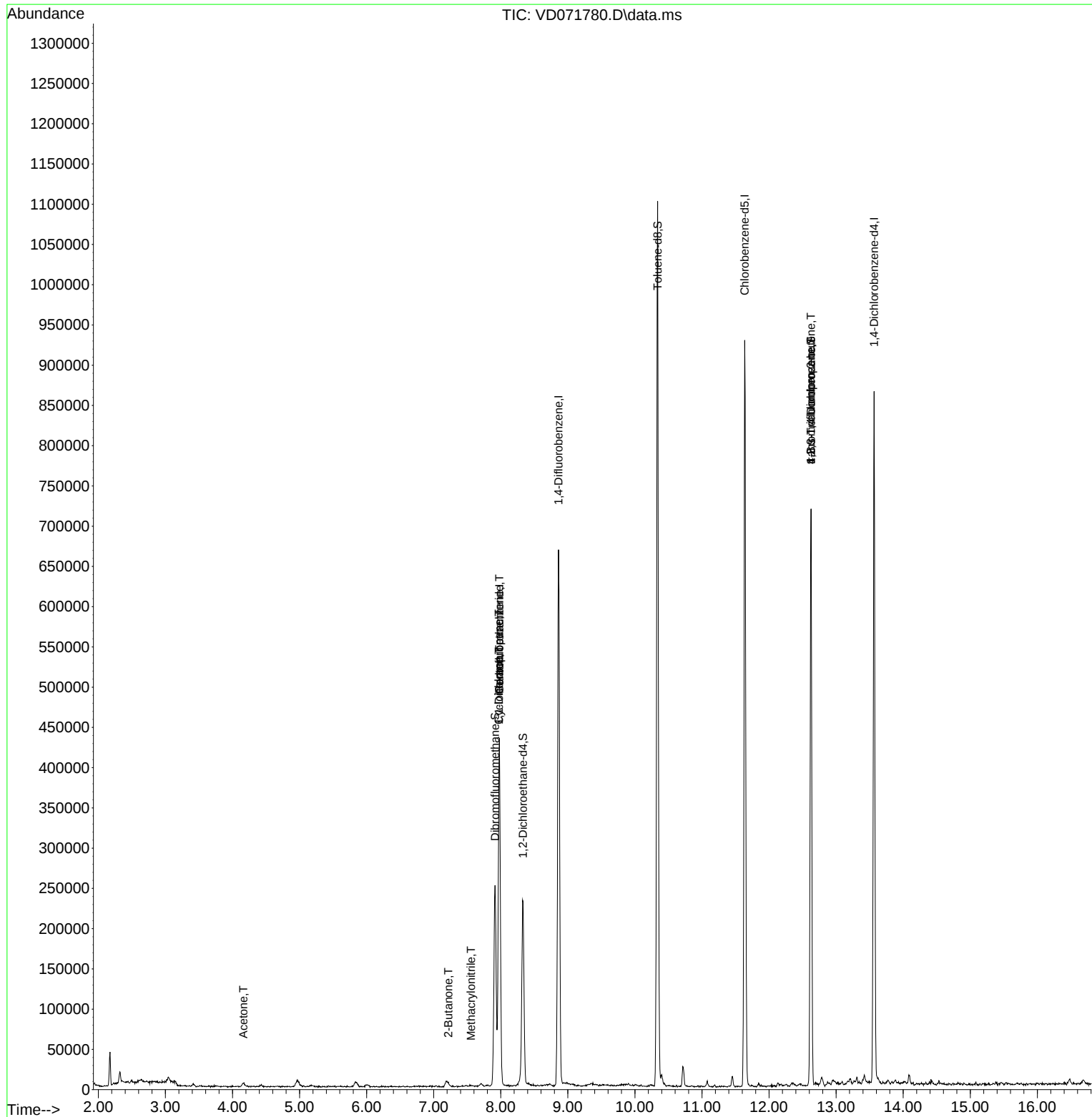
Internal Standards						
1) Pentafluorobenzene	7.979	168	281555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	528449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	477230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	197639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	183314	50.600	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.200%	
35) Dibromofluoromethane	7.914	113	172721	49.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.920%	
50) Toluene-d8	10.337	98	680276	52.036	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.080%	
62) 4-Bromofluorobenzene	12.626	95	205680	44.649	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.300%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	366	Below Cal	#	43
3) Chloromethane	2.208	50	447	Below Cal	#	43
5) Bromomethane	2.785	94	252	Below Cal	#	58
11) Tert butyl alcohol	5.191	59	820	Below Cal	#	75
16) Acetone	4.161	43	8124	9.713	ug/l	98
18) Methyl Acetate	4.750	43	58	Below Cal	#	56
20) Methylene Chloride	4.973	84	5165	Below Cal		88
25) 2-Butanone	7.220	43	4144	4.193	ug/l #	35
31) Cyclohexane	7.973	56	8526	2.010	ug/l #	64
36) 1,1-Dichloropropene	7.973	75	27228	5.466	ug/l #	50
38) Carbon Tetrachloride	7.979	117	30537	6.053	ug/l #	19
41) Methacrylonitrile	7.555	41	279	1.322	ug/l #	43
76) 1,2,3-Trichloropropane	12.626	75	118351	61.972	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	118351	172.771	ug/l #	3

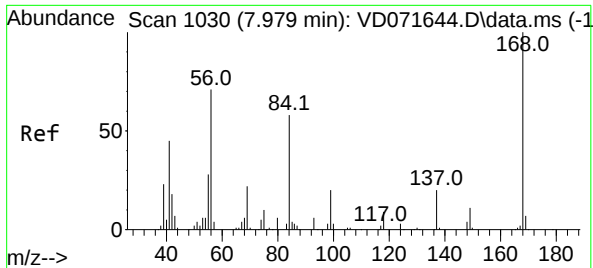
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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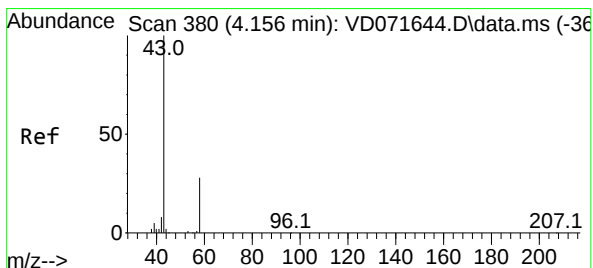
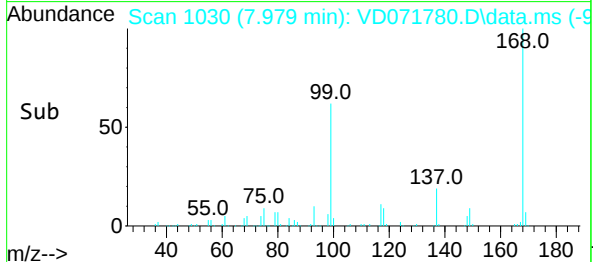
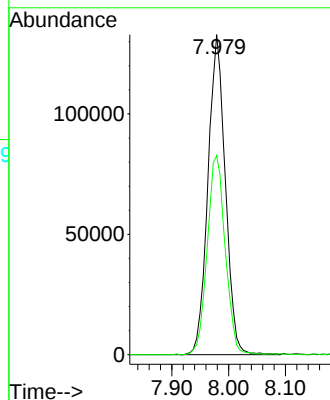
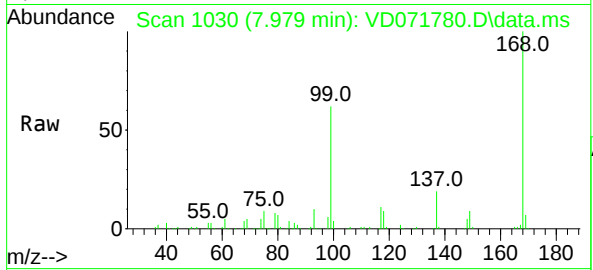




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071780.D
Acq: 24 Jan 2022 16:17

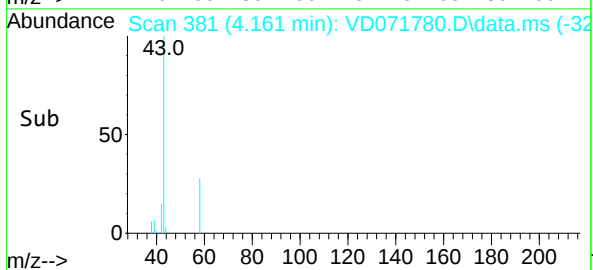
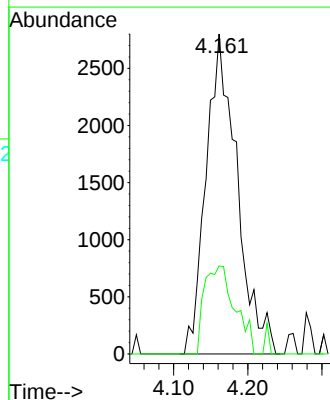
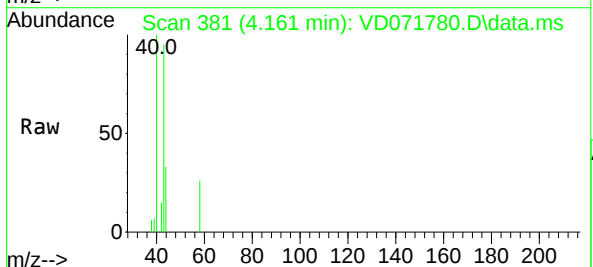
Instrument :
MSVOA_D
ClientSampleId :
PSC-124055

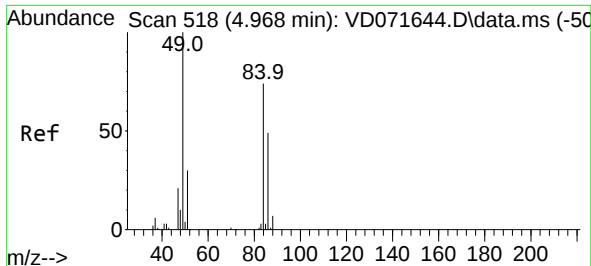
Tgt Ion:168 Resp: 281555
Ion Ratio Lower Upper
168 100
99 62.2 51.8 77.6



#16
Acetone
Concen: 9.713 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071780.D
Acq: 24 Jan 2022 16:17

Tgt Ion: 43 Resp: 8124
Ion Ratio Lower Upper
43 100
58 27.5 21.0 31.6





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 518

Delta R.T. 0.006 min

Lab File: VD071780.D

Acq: 24 Jan 2022 16:17

Instrument :

MSVOA_D

ClientSampleId :

PSC-124055

Tgt Ion: 84 Resp: 5165

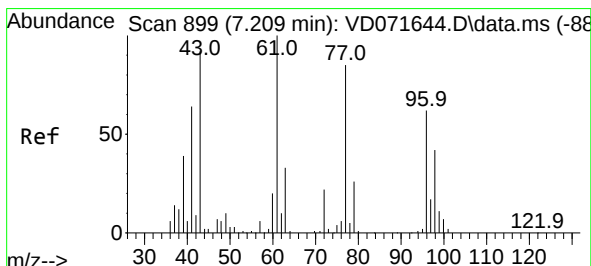
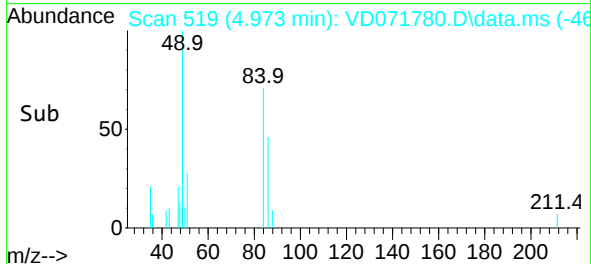
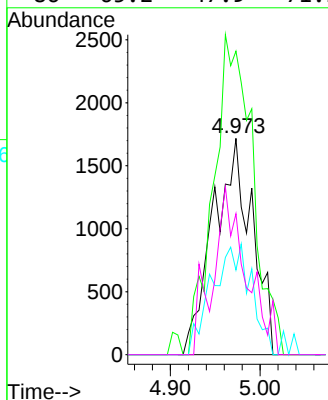
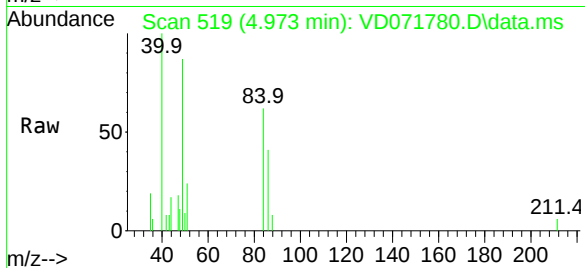
Ion Ratio Lower Upper

84 100

49 131.2 118.6 178.0

51 39.1 37.8 56.6

86 65.2 47.9 71.9



#25

2-Butanone

Concen: 4.193 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.012 min

Lab File: VD071780.D

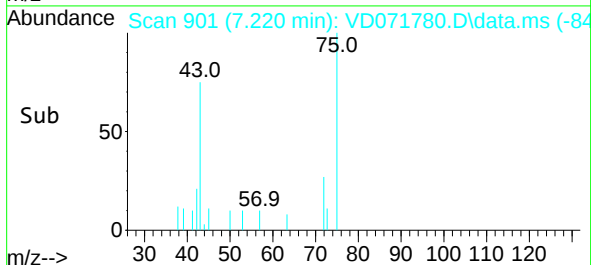
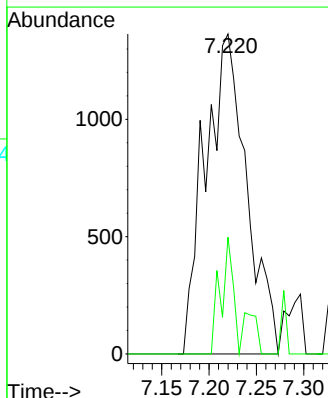
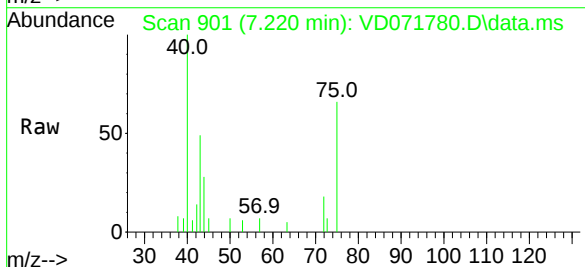
Acq: 24 Jan 2022 16:17

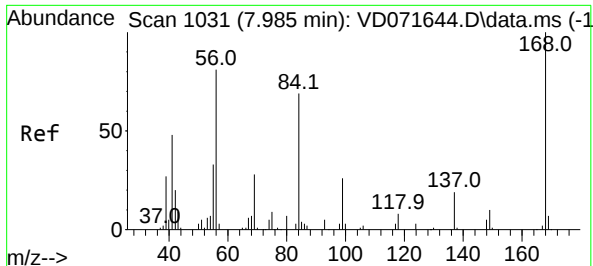
Tgt Ion: 43 Resp: 4144

Ion Ratio Lower Upper

43 100

72 50.6 16.4 24.6#





#31

Cyclohexane

Concen: 2.010 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.017 min

Lab File: VD071780.D

Acq: 24 Jan 2022 16:17

Instrument :

MSVOA_D

ClientSampleId :

PSC-124055

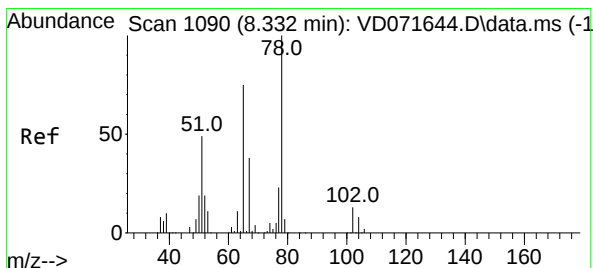
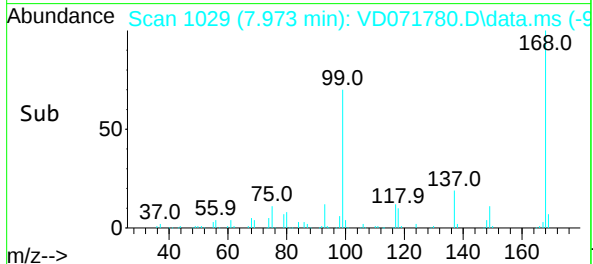
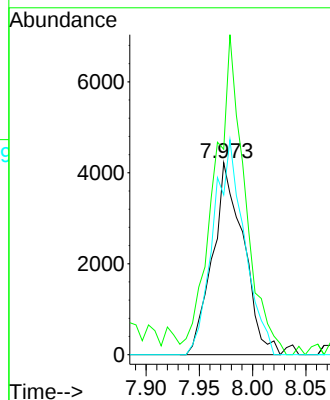
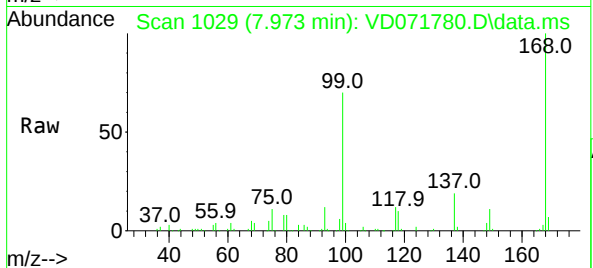
Tgt Ion: 56 Resp: 8526

Ion Ratio Lower Upper

56 100

69 101.6 21.7 32.5#

84 83.1 65.7 98.5



#33

1,2-Dichloroethane-d4

Concen: 50.600 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD071780.D

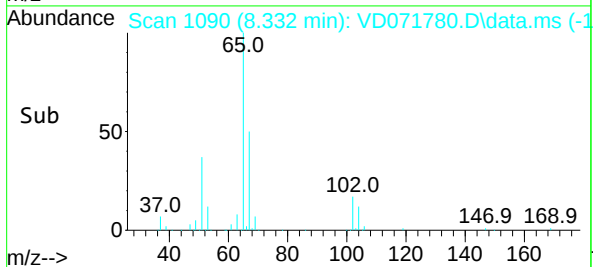
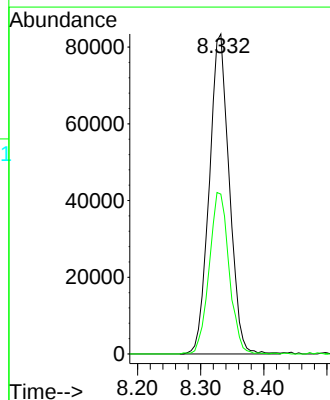
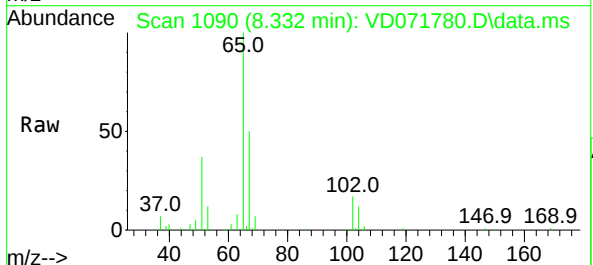
Acq: 24 Jan 2022 16:17

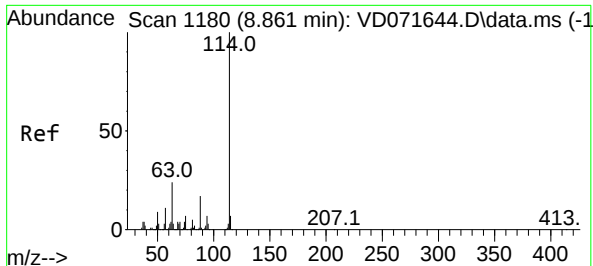
Tgt Ion: 65 Resp: 183314

Ion Ratio Lower Upper

65 100

67 50.3 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: VD071780.D

Acq: 24 Jan 2022 16:17

Instrument :

MSVOA_D

ClientSampleId :

PSC-124055

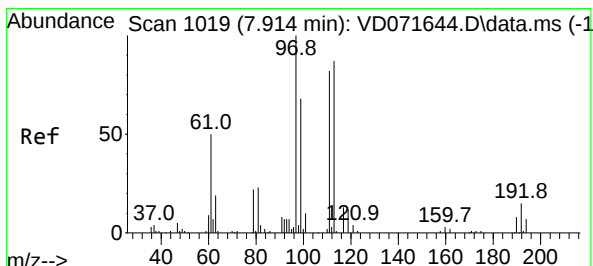
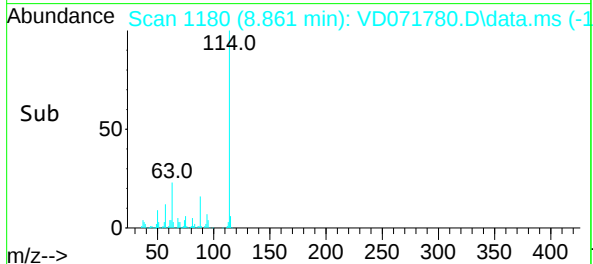
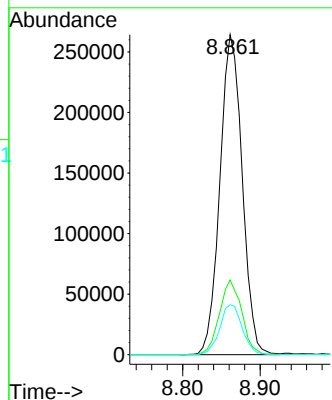
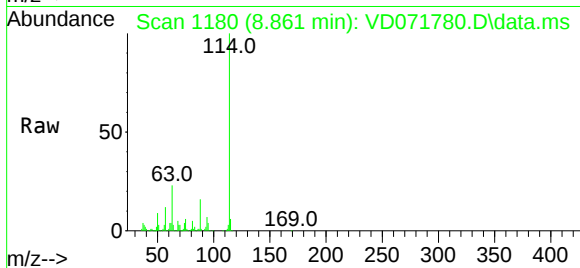
Tgt Ion:114 Resp: 528449

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.2

88 15.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.456 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071780.D

Acq: 24 Jan 2022 16:17

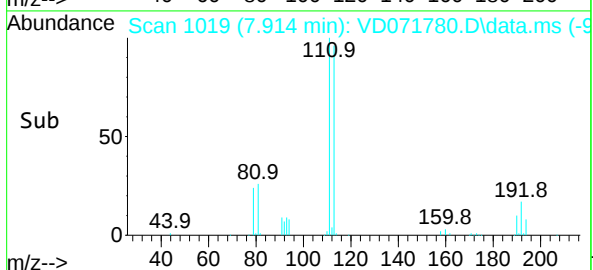
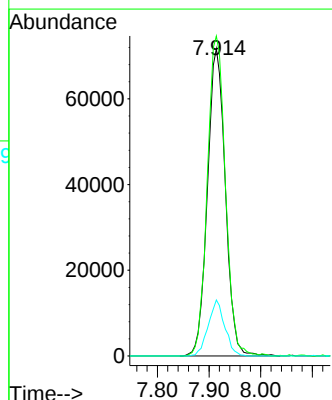
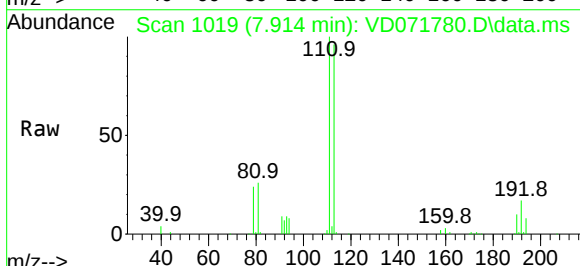
Tgt Ion:113 Resp: 172721

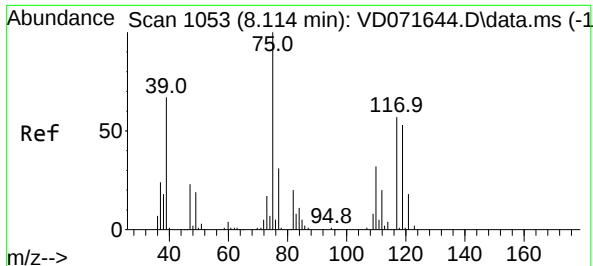
Ion Ratio Lower Upper

113 100

111 104.8 82.2 123.4

192 16.8 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.466 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071780.D

Acq: 24 Jan 2022 16:17

Instrument :

MSVOA_D

ClientSampleId :

PSC-124055

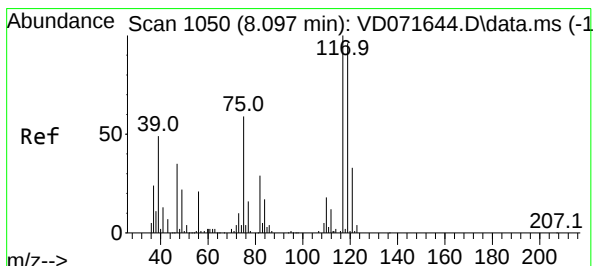
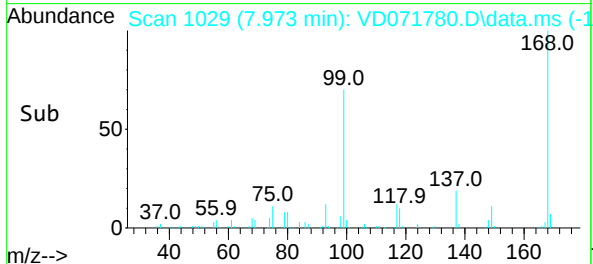
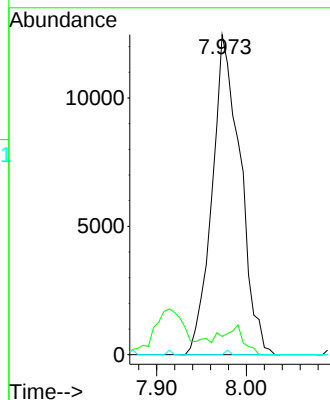
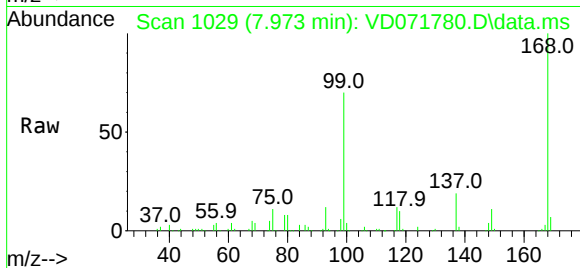
Tgt Ion: 75 Resp: 27228

Ion Ratio Lower Upper

75 100

110 7.1 16.0 48.0#

77 0.2 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.053 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.117 min

Lab File: VD071780.D

Acq: 24 Jan 2022 16:17

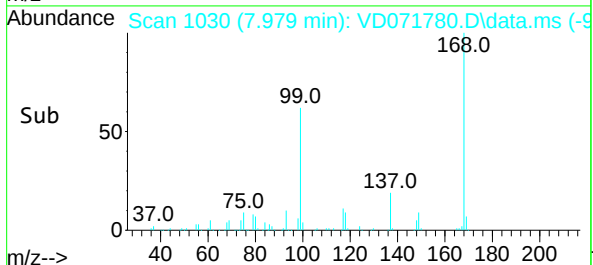
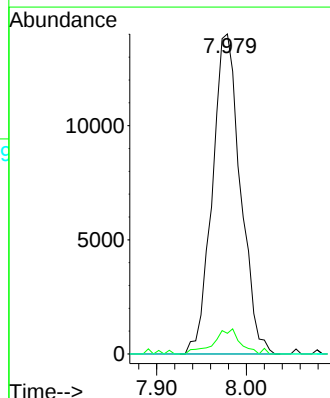
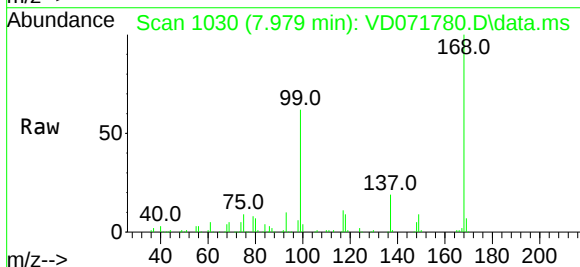
Tgt Ion: 117 Resp: 30537

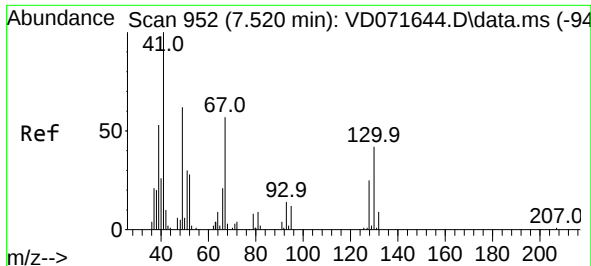
Ion Ratio Lower Upper

117 100

119 6.5 73.4 110.2#

121 0.0 23.9 35.9#

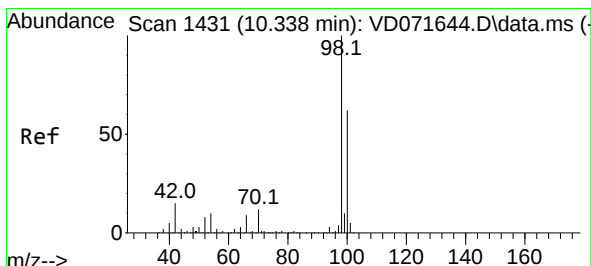
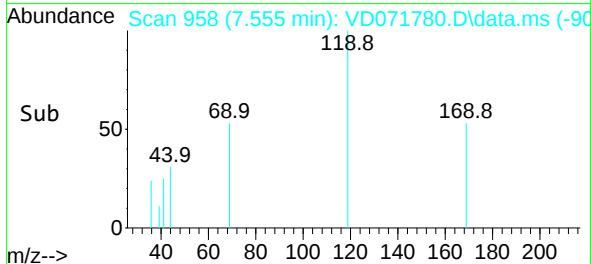
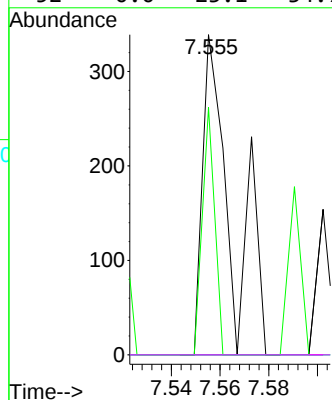
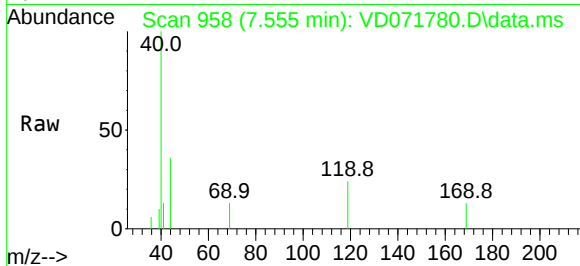




#41
Methacrylonitrile
Concen: 1.322 ug/l
RT: 7.555 min Scan# 91
Delta R.T. 0.035 min
Lab File: VD071780.D
Acq: 24 Jan 2022 16:17

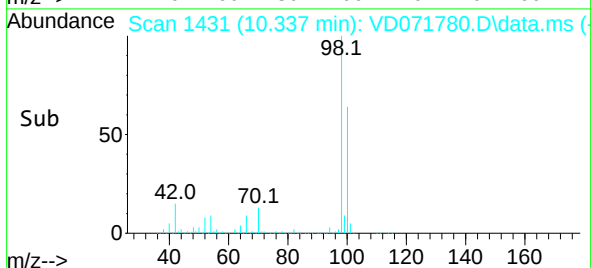
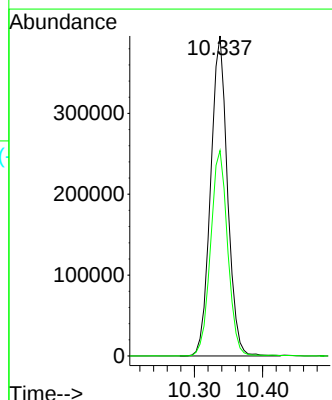
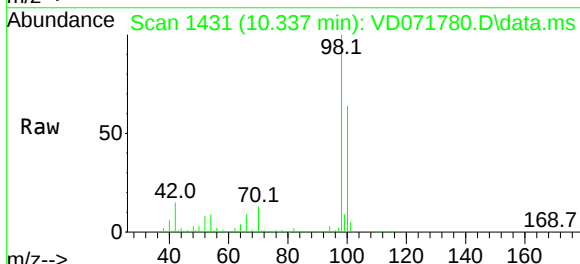
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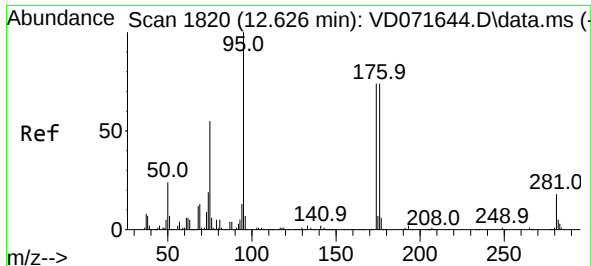
Tgt Ion: 41 Resp: 279
Ion Ratio Lower Upper
41 100
39 33.0 46.9 70.3#
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#



#50
Toluene-d8
Concen: 52.036 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD071780.D
Acq: 24 Jan 2022 16:17

Tgt Ion: 98 Resp: 680276
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

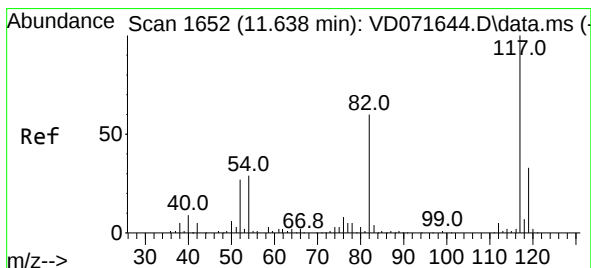
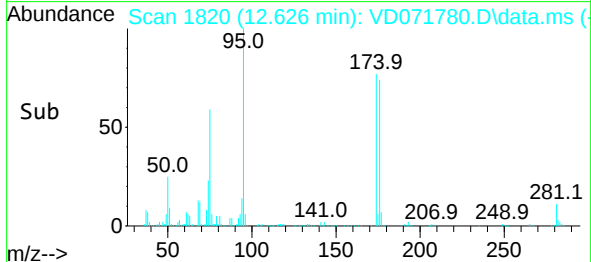
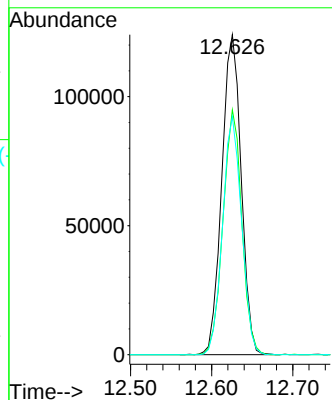
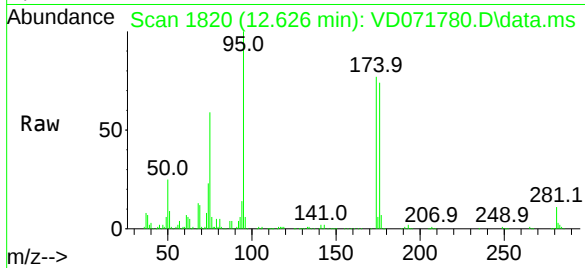




#62
4-Bromofluorobenzene
Concen: 44.649 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071780.D
Acq: 24 Jan 2022 16:17

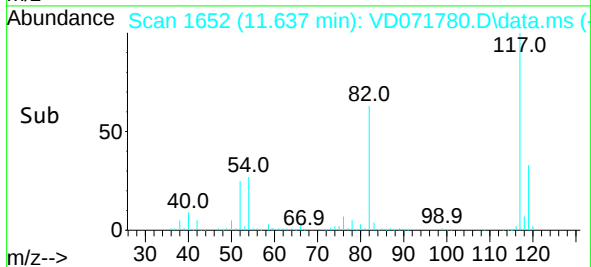
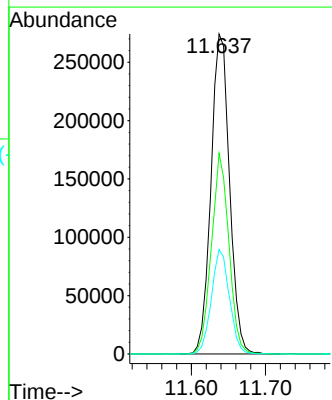
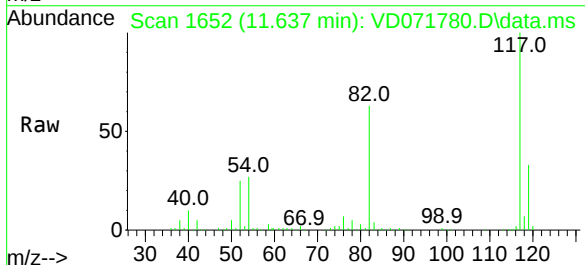
Instrument :
MSVOA_D
ClientSampleId :
PSC-124055

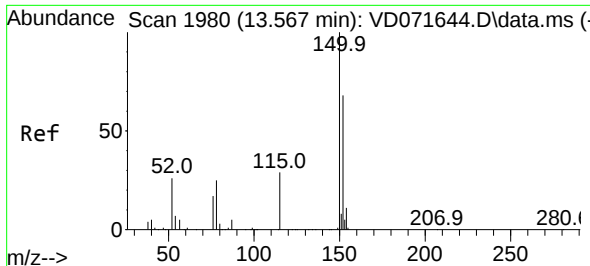
Tgt Ion: 95 Resp: 205680
Ion Ratio Lower Upper
95 100
174 74.3 0.0 150.0
176 73.1 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071780.D
Acq: 24 Jan 2022 16:17

Tgt Ion: 117 Resp: 477230
Ion Ratio Lower Upper
117 100
82 62.7 46.9 70.3
119 32.6 26.6 39.8

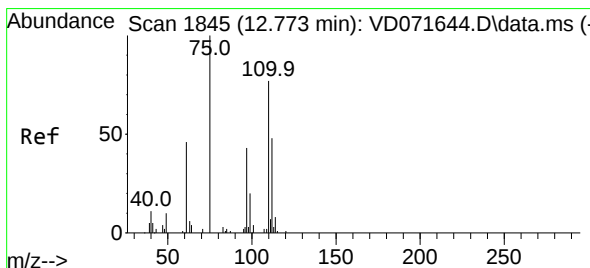
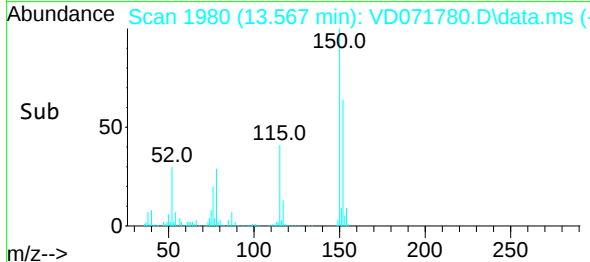
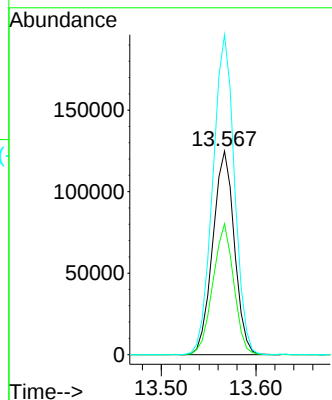
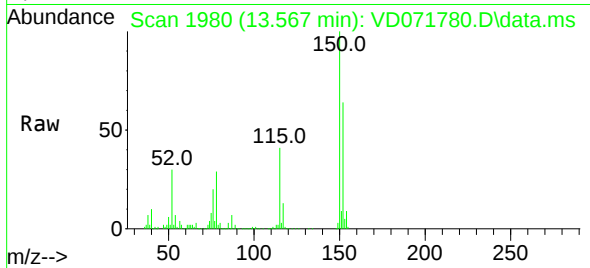




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071780.D
 Acq: 24 Jan 2022 16:17

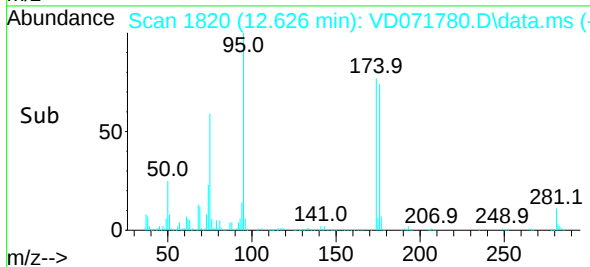
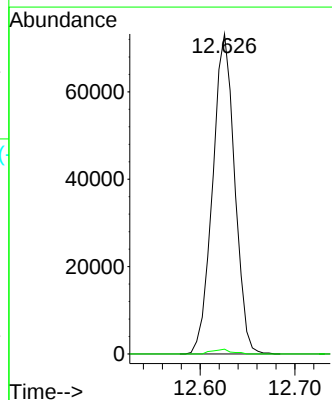
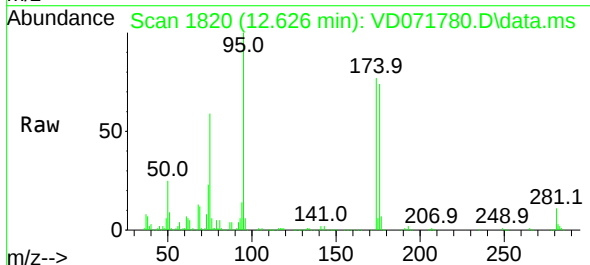
Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124055

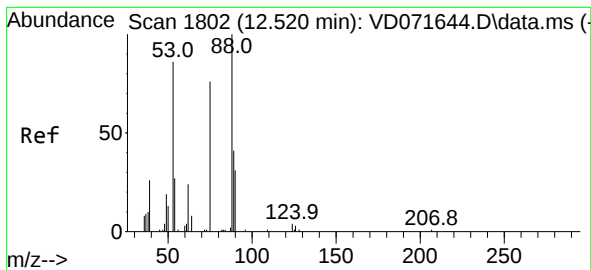
Tgt Ion:152 Resp: 197639
 Ion Ratio Lower Upper
 152 100
 115 62.2 31.5 94.5
 150 157.8 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 61.972 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071780.D
 Acq: 24 Jan 2022 16:17

Tgt Ion: 75 Resp: 118351
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 172.771 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071780.D
 Acq: 24 Jan 2022 16:17

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124055

Tgt Ion: 75 Resp: 118351
 Ion Ratio Lower Upper
 75 100
 53 0.3 95.4 143.0#
 89 0.2 37.2 55.8#

