

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011322\
 Data File : VD071702.D
 Acq On : 13 Jan 2022 11:34
 Operator : VA/SY
 Sample : VD0113SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBL01

Quant Time: Jan 13 14:29:42 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)

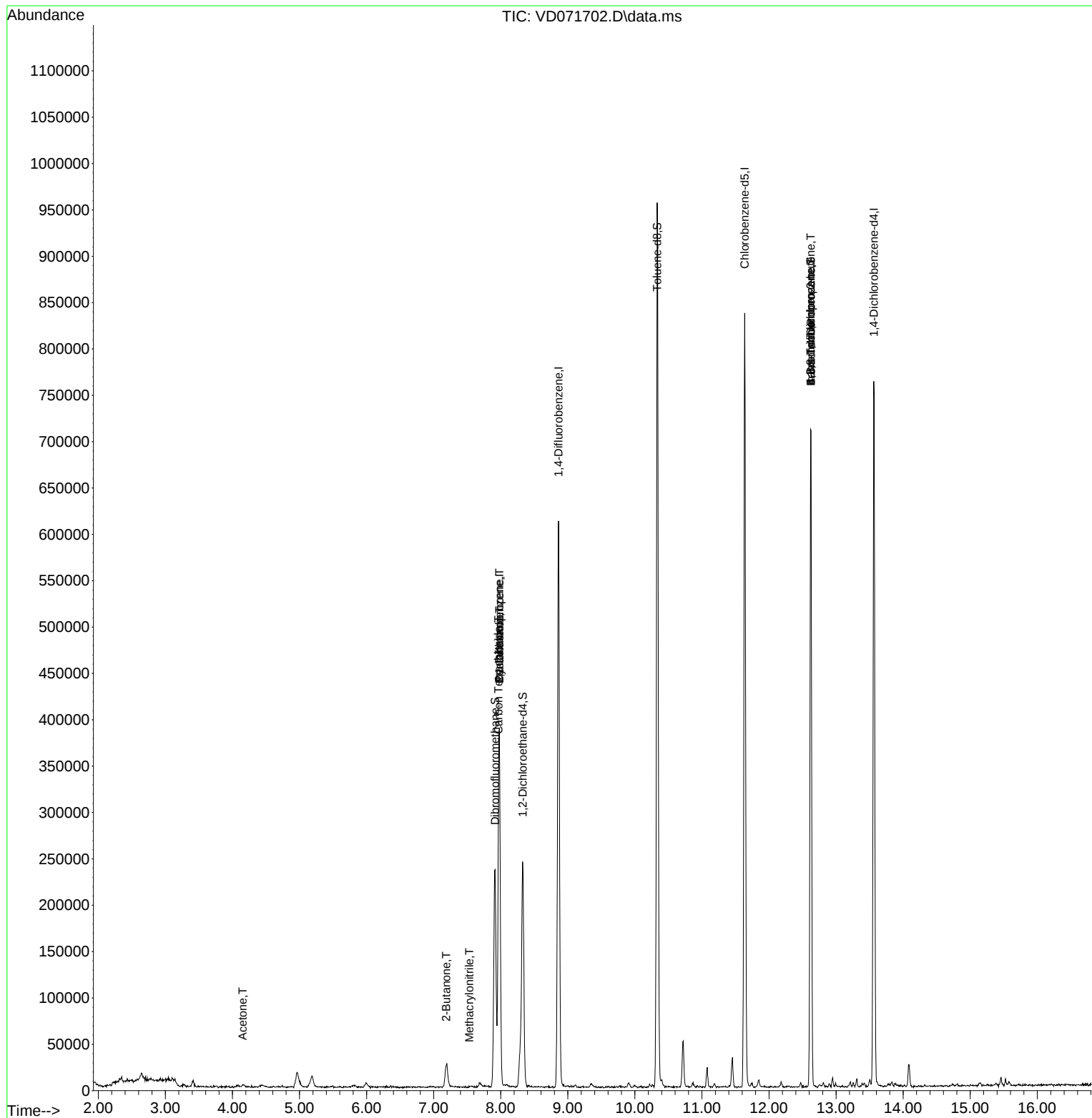
Internal Standards						
1) Pentafluorobenzene	7.979	168	267872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	467291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	430632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	188086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	191385	55.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.060%	
35) Dibromofluoromethane	7.914	113	163857	53.059	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.120%	
50) Toluene-d8	10.332	98	590343	51.067	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.140%	
62) 4-Bromofluorobenzene	12.620	95	195304	47.945	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.880%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	605	Below Cal	#	18
3) Chloromethane	2.209	50	1186	Below Cal		91
5) Bromomethane	2.785	94	1349	Below Cal		90
11) Tert butyl alcohol	5.185	59	10708	Below Cal	#	77
16) Acetone	4.150	43	4057	5.098	ug/l	93
18) Methyl Acetate	4.709	43	106	Below Cal	#	56
25) 2-Butanone	7.185	43	1055	1.122	ug/l #	69
31) Cyclohexane	7.979	56	9487	2.297	ug/l #	63
36) 1,1-Dichloropropene	7.979	75	25854	5.869	ug/l #	51
38) Carbon Tetrachloride	7.967	117	29900	6.702	ug/l #	17
41) Methacrylonitrile	7.532	41	395	1.437	ug/l #	51
71) Bromoform	12.626	173	2677	1.755	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	114966	63.257	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	114966	176.354	ug/l #	3

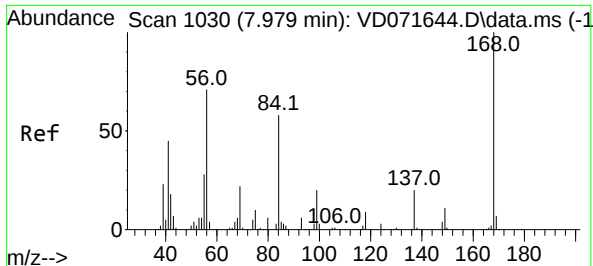
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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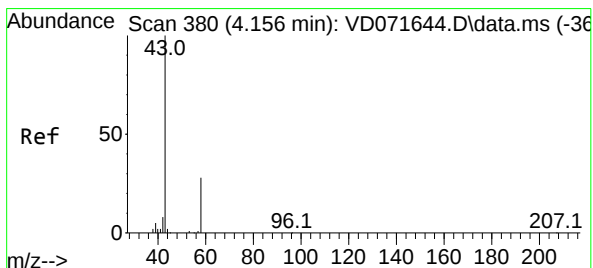
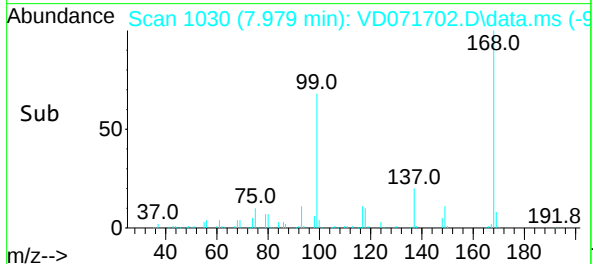
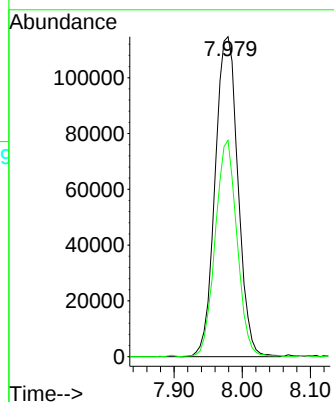
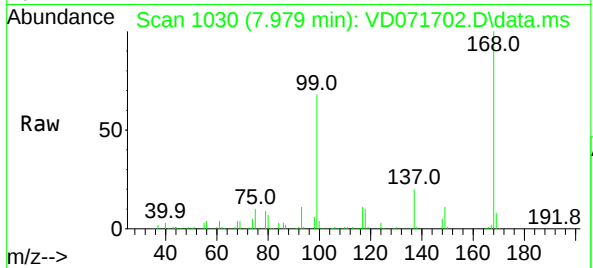




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

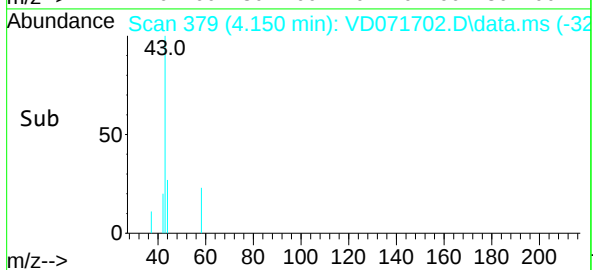
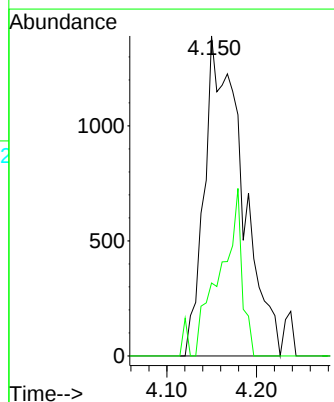
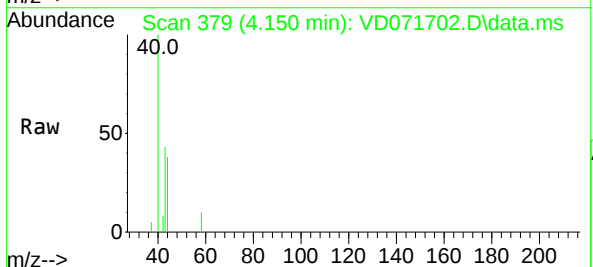
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBL01

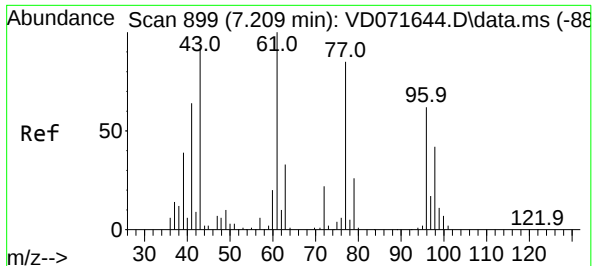
Tgt Ion:168 Resp: 267872
Ion Ratio Lower Upper
168 100
99 67.6 51.8 77.6



#16
Acetone
Concen: 5.098 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.005 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

Tgt Ion: 43 Resp: 4057
Ion Ratio Lower Upper
43 100
58 22.8 21.0 31.6





#25

2-Butanone

Concen: 1.122 ug/l

RT: 7.185 min Scan# 899

Delta R.T. -0.023 min

Lab File: VD071702.D

Acq: 13 Jan 2022 11:34

Instrument :

MSVOA_D

ClientSampleId :

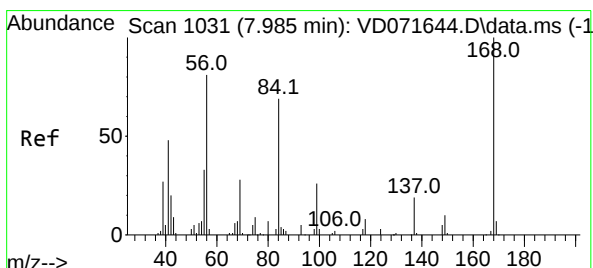
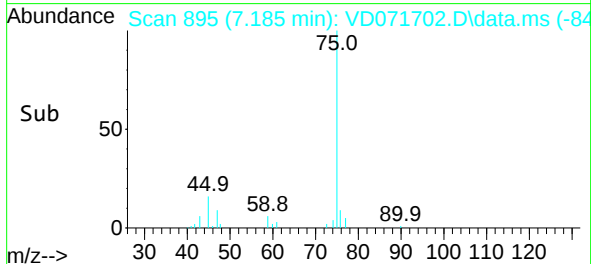
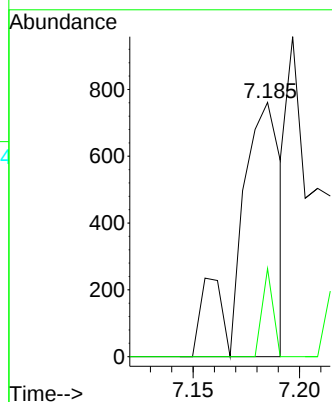
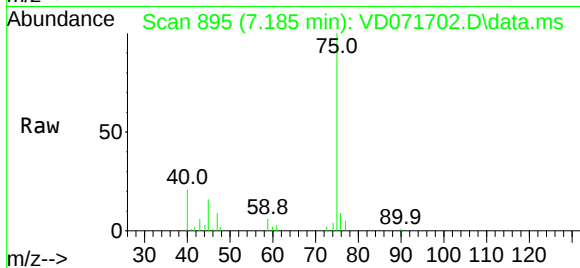
VD0113SBL01

Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

72 34.7 16.4 24.6#



#31

Cyclohexane

Concen: 2.297 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.011 min

Lab File: VD071702.D

Acq: 13 Jan 2022 11:34

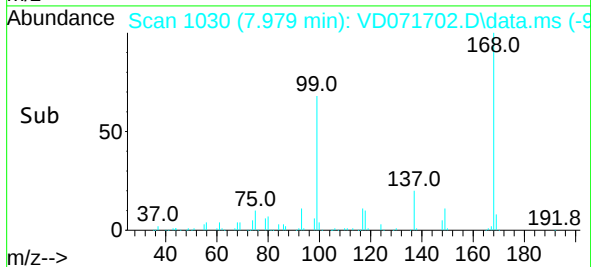
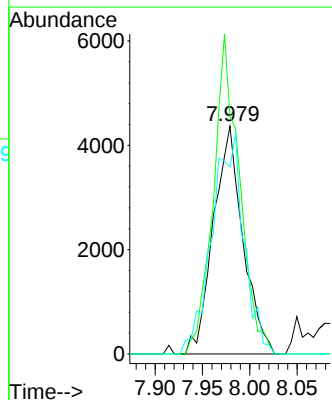
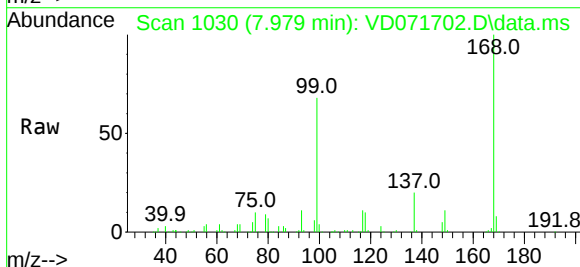
Tgt Ion: 56 Resp: 9487

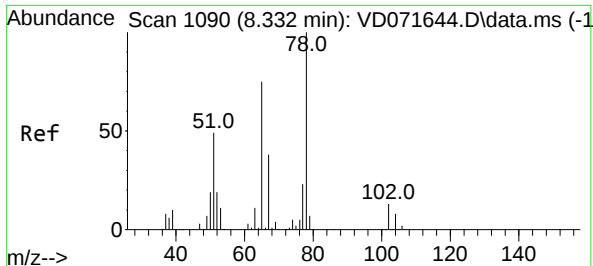
Ion Ratio Lower Upper

56 100

69 104.5 21.7 32.5#

84 82.3 65.7 98.5





#33

1,2-Dichloroethane-d4

Concen: 55.526 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071702.D

Acq: 13 Jan 2022 11:34

Instrument :

MSVOA_D

ClientSampleId :

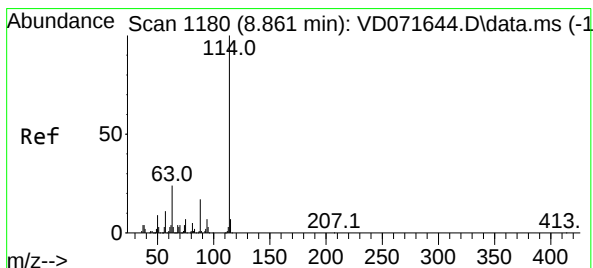
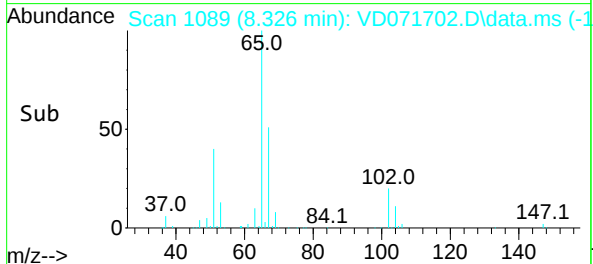
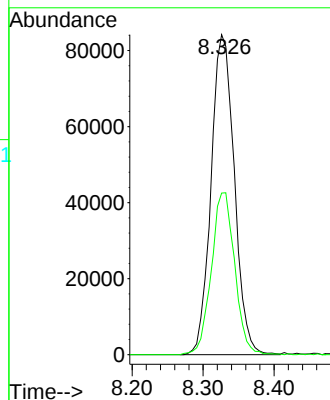
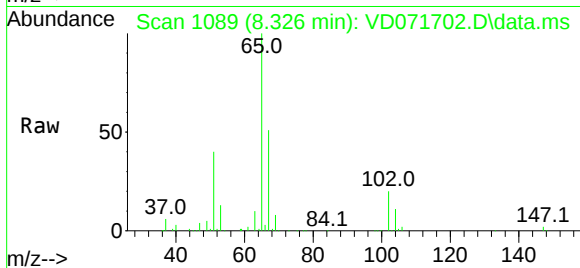
VD0113SBL01

Tgt Ion: 65 Resp: 191385

Ion Ratio Lower Upper

65 100

67 50.9 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: VD071702.D

Acq: 13 Jan 2022 11:34

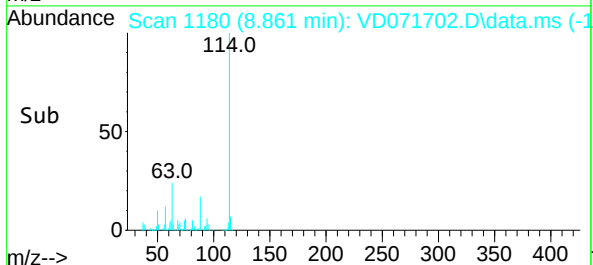
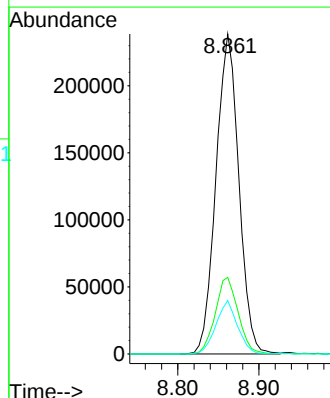
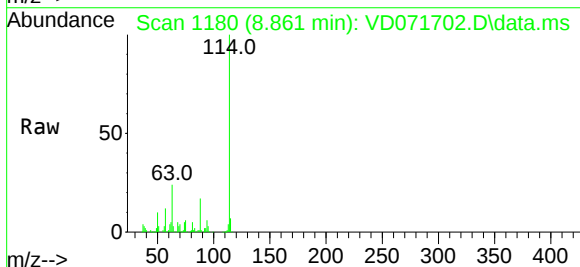
Tgt Ion: 114 Resp: 467291

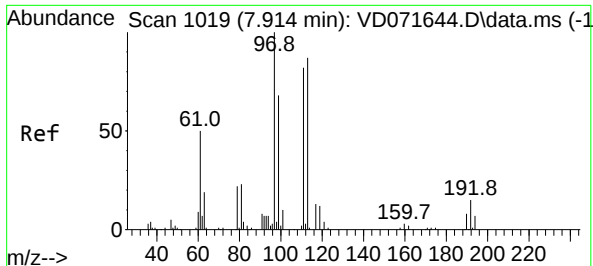
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.2

88 16.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.059 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071702.D

Acq: 13 Jan 2022 11:34

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBL01

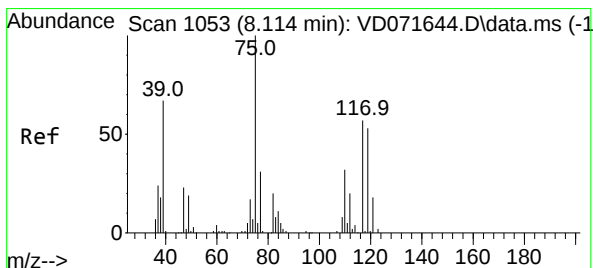
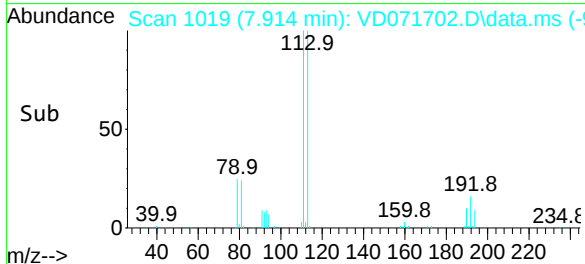
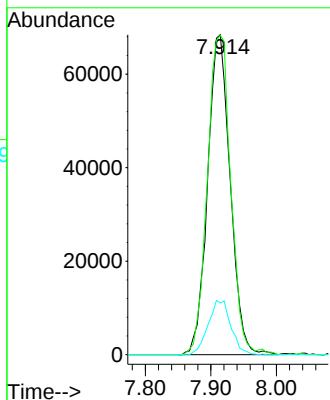
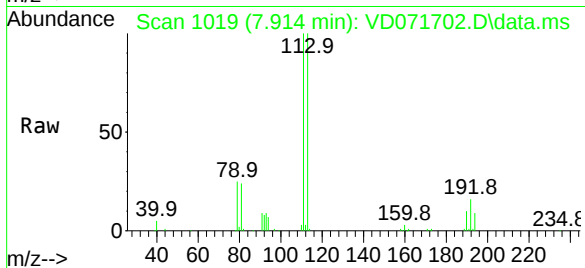
Tgt Ion:113 Resp: 163857

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 17.1 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.869 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071702.D

Acq: 13 Jan 2022 11:34

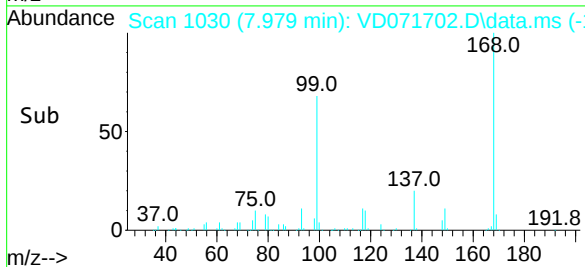
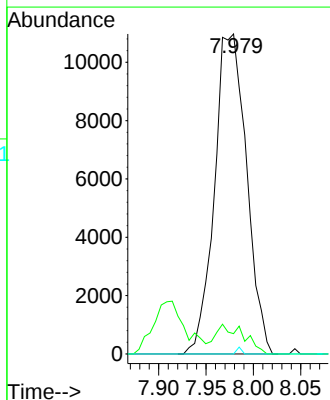
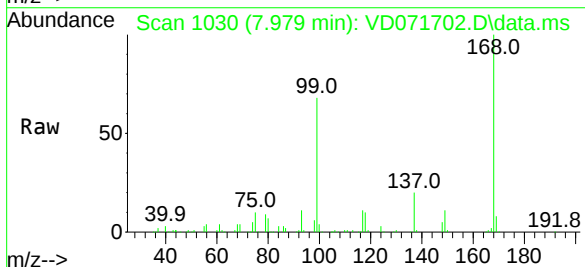
Tgt Ion: 75 Resp: 25854

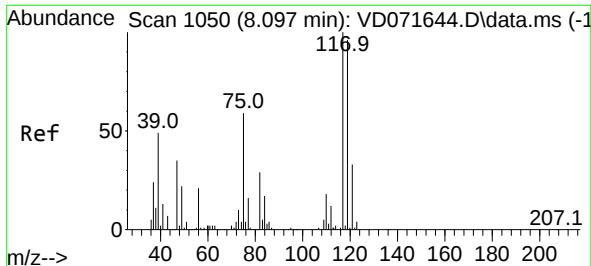
Ion Ratio Lower Upper

75 100

110 8.3 16.0 48.0#

77 0.3 24.5 36.7#

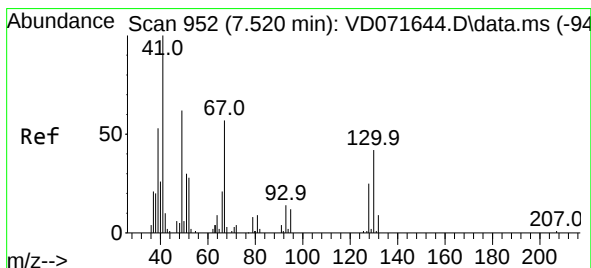
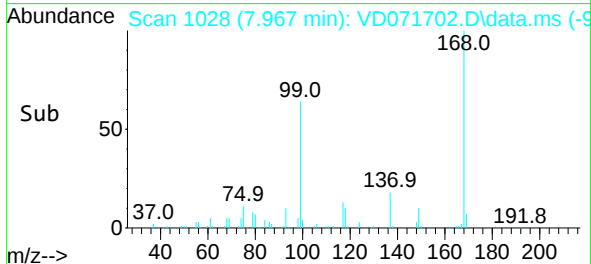
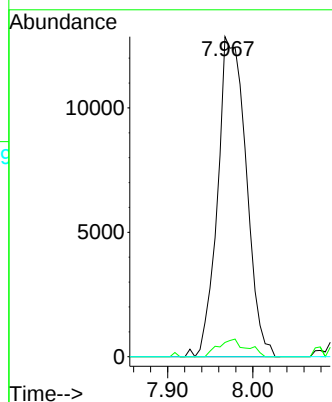
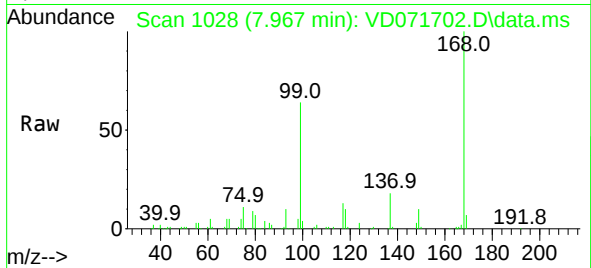




#38
Carbon Tetrachloride
Concen: 6.702 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.129 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

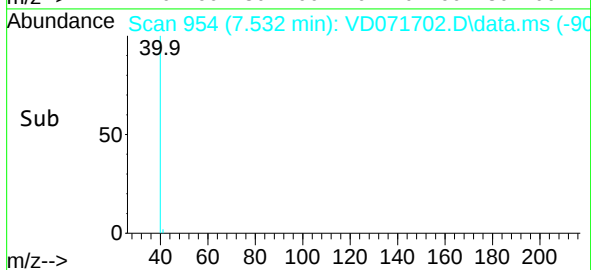
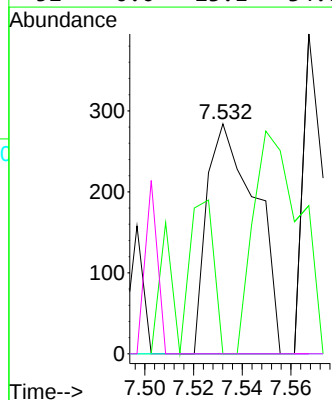
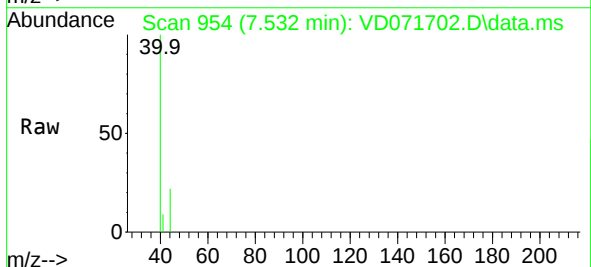
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBL01

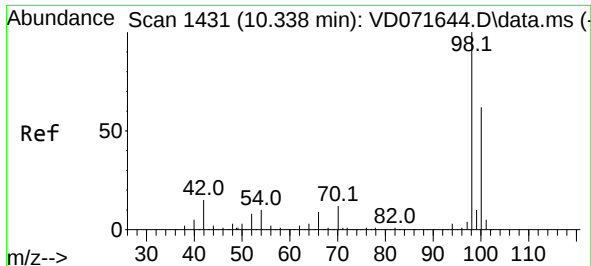
Tgt Ion:117 Resp: 29900
Ion Ratio Lower Upper
117 100
119 4.5 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.437 ug/l
RT: 7.532 min Scan# 954
Delta R.T. 0.012 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

Tgt Ion: 41 Resp: 395
Ion Ratio Lower Upper
41 100
39 47.6 46.9 70.3
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#

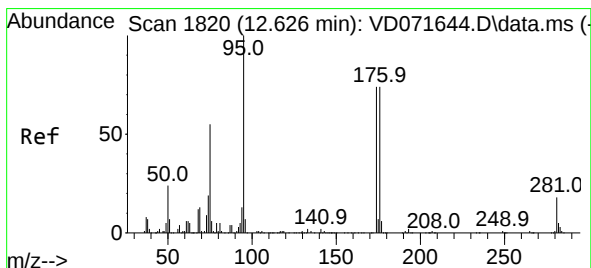
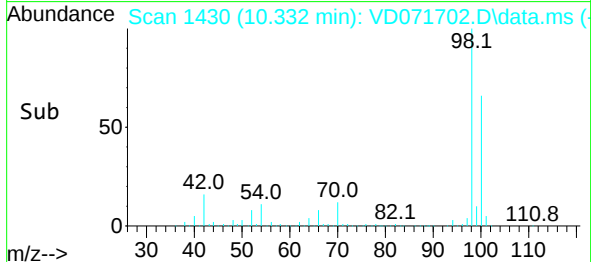
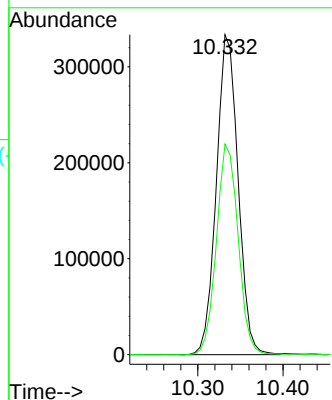
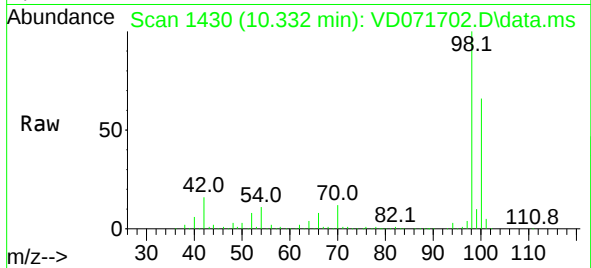




#50
Toluene-d8
Concen: 51.067 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

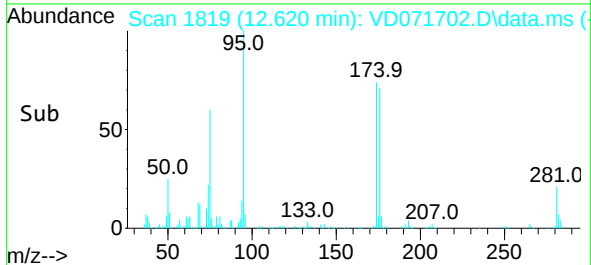
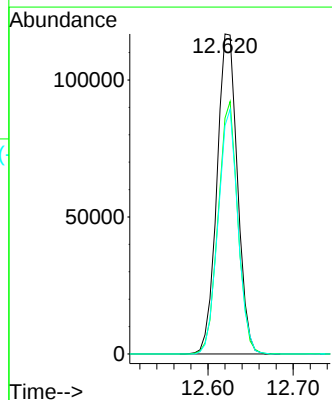
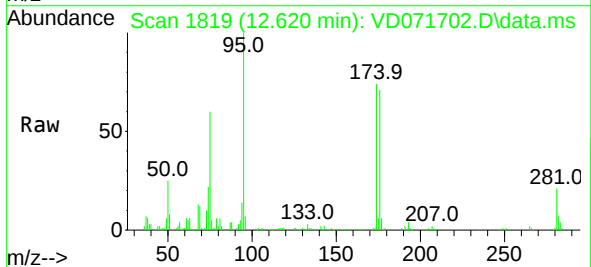
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBL01

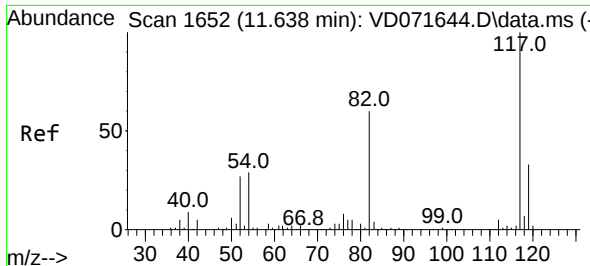
Tgt Ion: 98 Resp: 590343
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.945 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

Tgt Ion: 95 Resp: 195304
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.0
176 73.6 0.0 146.4

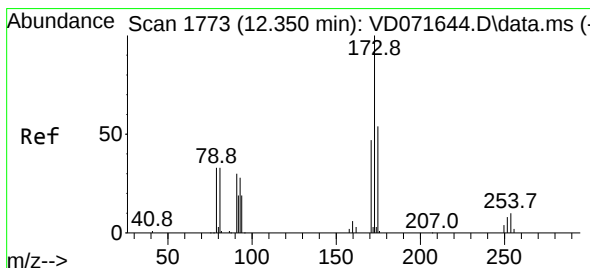
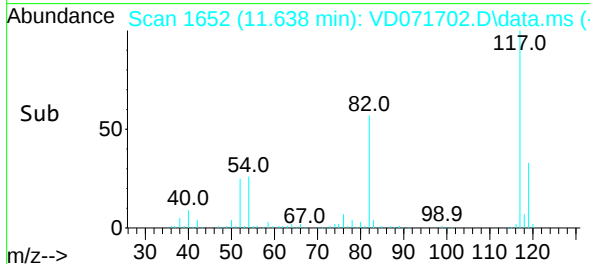
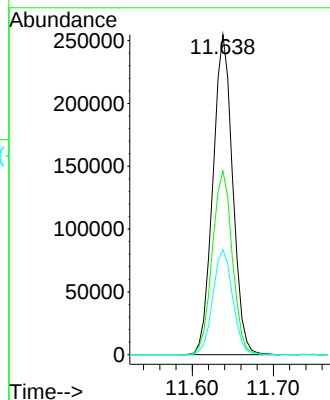
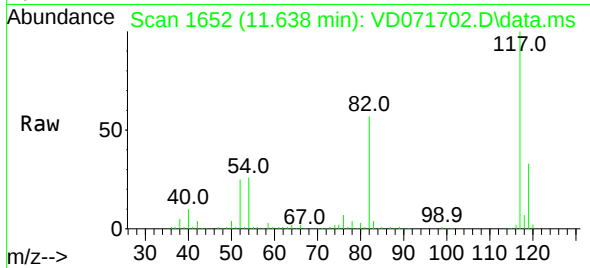




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

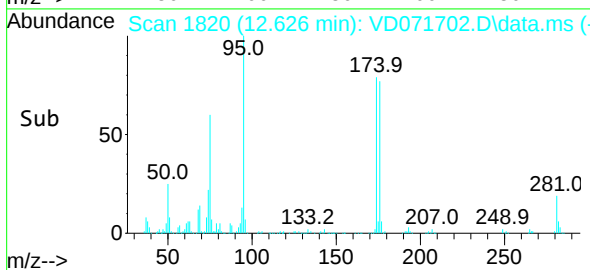
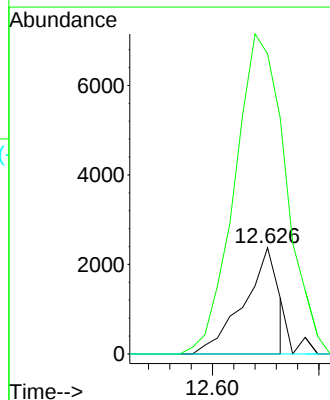
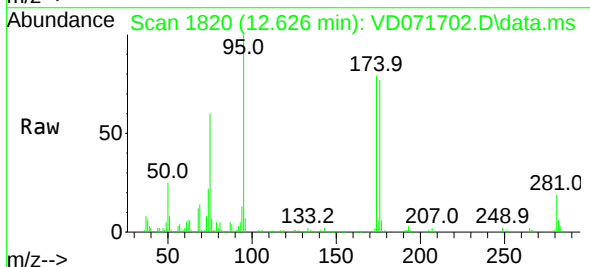
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MSVOA_D
ClientSampleId :
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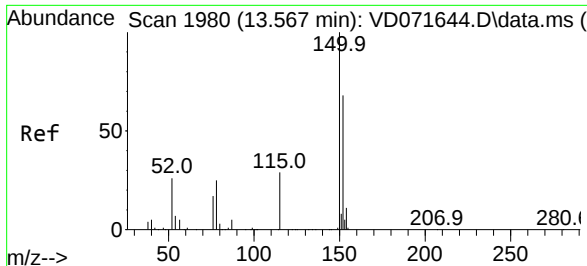
Tgt Ion:117 Resp: 430632
Ion Ratio Lower Upper
117 100
82 57.4 46.9 70.3
119 32.8 26.6 39.8



#71
Bromoform
Concen: 1.755 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

Tgt Ion:173 Resp: 2677
Ion Ratio Lower Upper
173 100
175 388.9 24.4 73.2#
254 0.0 0.1 0.1#

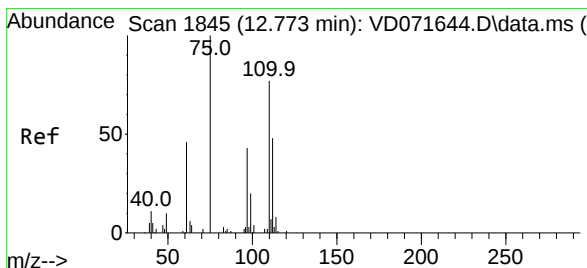
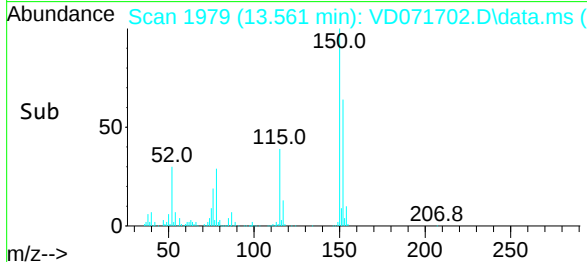
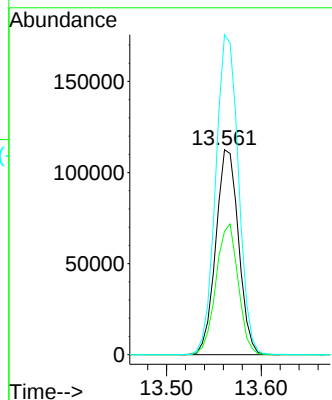
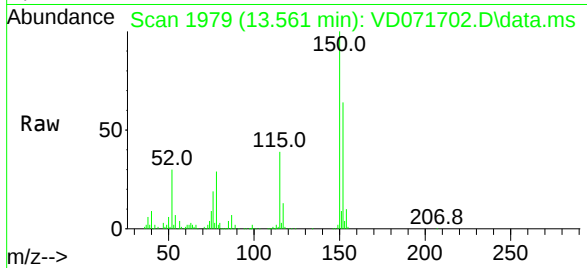




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

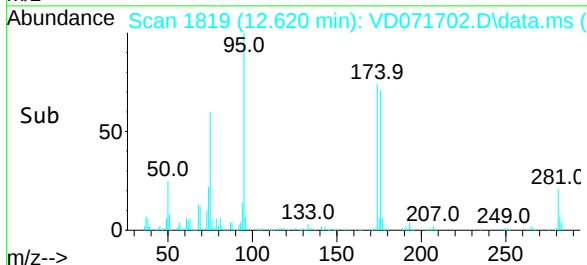
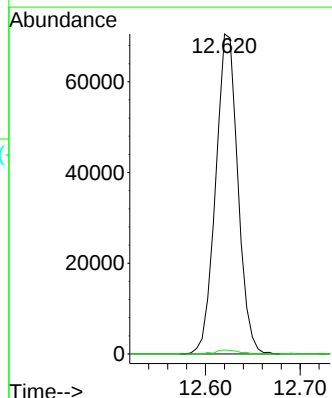
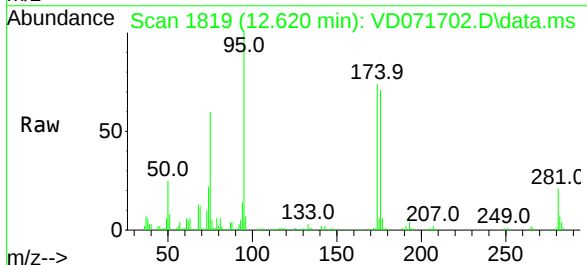
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBL01

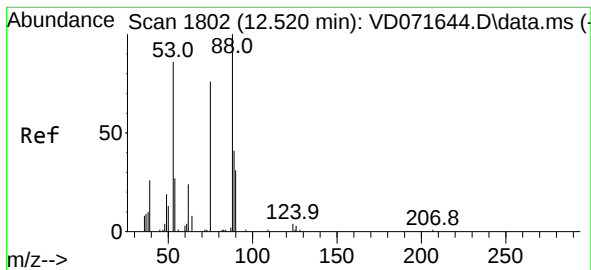
Tgt Ion:152 Resp: 188086
Ion Ratio Lower Upper
152 100
115 62.3 31.5 94.5
150 156.3 0.0 348.0



#76
1,2,3-Trichloropropane
Concen: 63.257 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071702.D
Acq: 13 Jan 2022 11:34

Tgt Ion: 75 Resp: 114966
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 176.354 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071702.D
 Acq: 13 Jan 2022 11:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBL01

Tgt Ion: 75 Resp: 114966
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.4 143.0#
 89 0.3 37.2 55.8#

