

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073181.D
 Acq On : 20 May 2022 12:58
 Operator : VA/SY
 Sample : N2842-22
 Misc : 5.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P025-SS001-0006-01

Quant Time: May 20 13:10:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

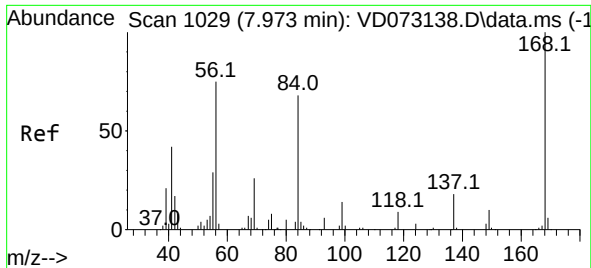
Internal Standards						
1) Pentafluorobenzene	7.979	168	289543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	525833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	533893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	223611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174182	54.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.860%	
35) Dibromofluoromethane	7.908	113	180877	52.129	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.260%	
50) Toluene-d8	10.332	98	636143	49.735	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	12.620	95	241245	53.745	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	3625	1.253	ug/l	85
5) Bromomethane	2.779	94	842	Below Cal		91
11) Tert butyl alcohol	5.179	59	11457	23.077	ug/l #	74
16) Acetone	4.162	43	2640	4.763	ug/l #	75
20) Methylene Chloride	4.962	84	11126	Below Cal	#	75
25) 2-Butanone	7.173	43	2106	2.597	ug/l #	52
31) Cyclohexane	7.973	56	6408	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25730	4.931	ug/l #	49
37) Ethyl Acetate	7.173	43	2106	1.022	ug/l #	1
38) Carbon Tetrachloride	7.979	117	30740	5.811	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	123718	56.389	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	123718	135.373	ug/l #	9

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

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The chromatogram displays a series of peaks over a 16-minute period. The y-axis represents Abundance from 0 to 1,150,000, and the x-axis represents Time in minutes from 2.00 to 16.00. The following table summarizes the labeled peaks:

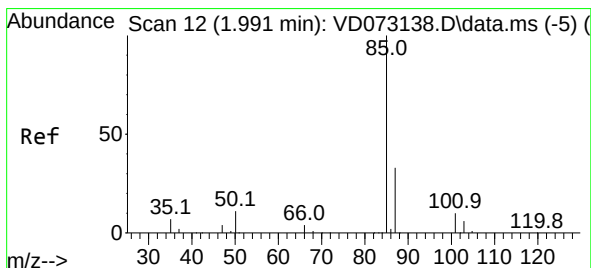
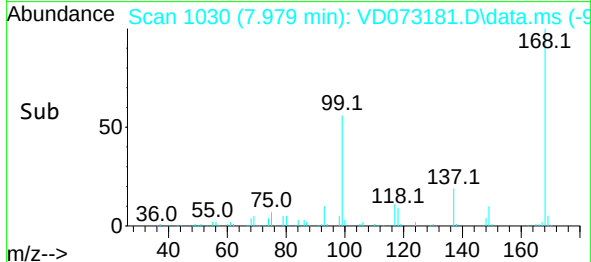
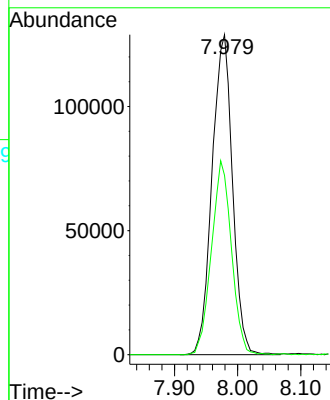
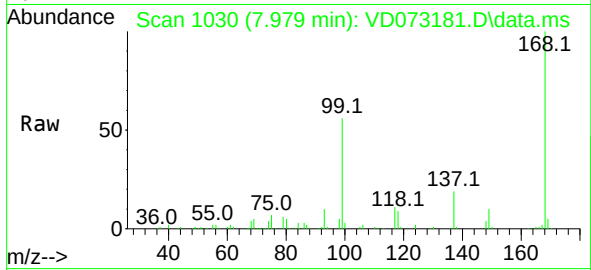
Approximate Time (min)	Label	Approximate Abundance
4.2	Acetone, T	50,000
5.1	Tert butyl alcohol, T	20,000
6.1	Dichlorodifluoromethane, T	10,000
7.2	Ethyl acetate, T	40,000
7.9	Dibromodifluoromethane, S	250,000
8.2	1,2-Dichloroethane-d4, S	220,000
8.9	1,4-Difluorobenzene, I	600,000
10.3	Toluene-d5, S	970,000
11.1	Chlorobenzene-d5, I	110,000
11.7	Chlorobenzene-d5, I	910,000
12.5	1,2-Dichlorobenzene-d4, T	790,000
13.5	1,4-Dichlorobenzene-d4, I	850,000



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073181.D
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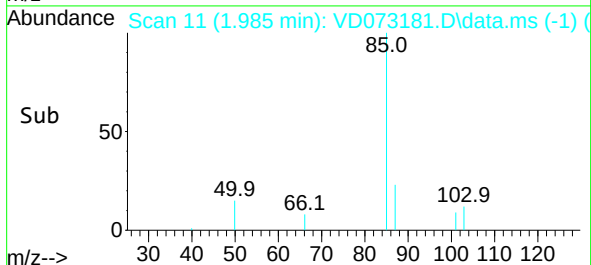
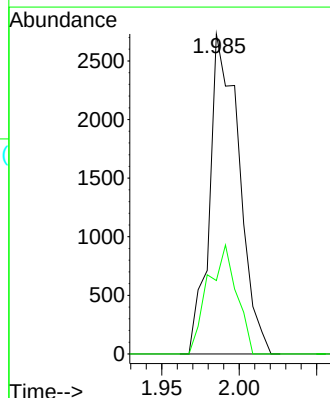
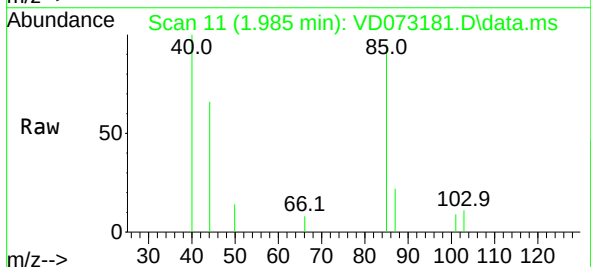
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0006-01

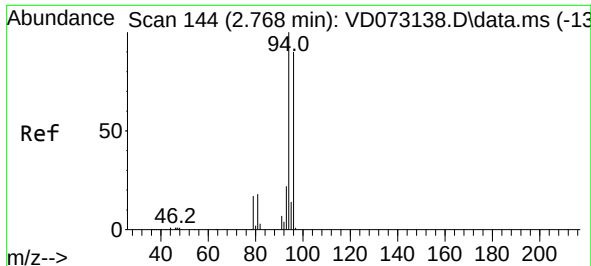
Tgt Ion:168 Resp: 289543
Ion Ratio Lower Upper
168 100
99 56.1 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.253 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073181.D
Acq: 20 May 2022 12:58

Tgt Ion: 85 Resp: 3625
Ion Ratio Lower Upper
85 100
87 23.0 15.7 47.0

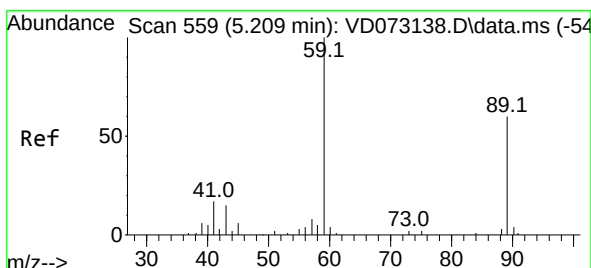
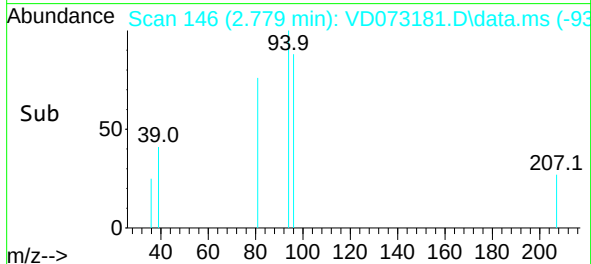
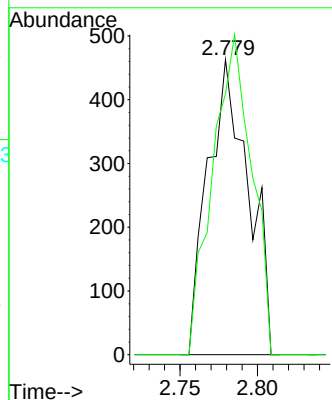
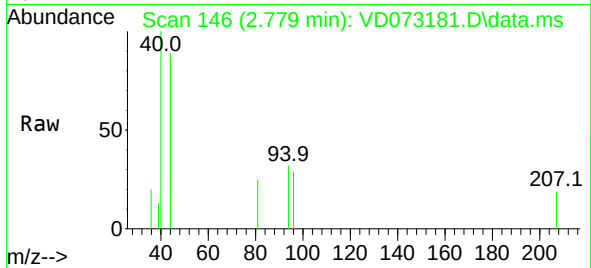




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD073181.D
Acq: 20 May 2022 12:58

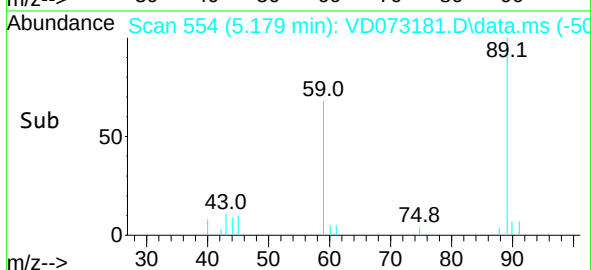
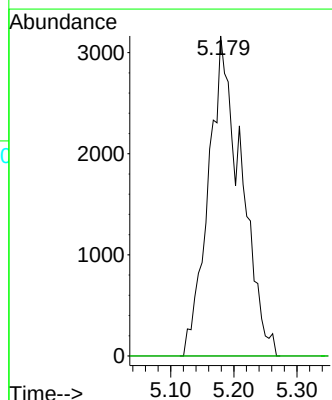
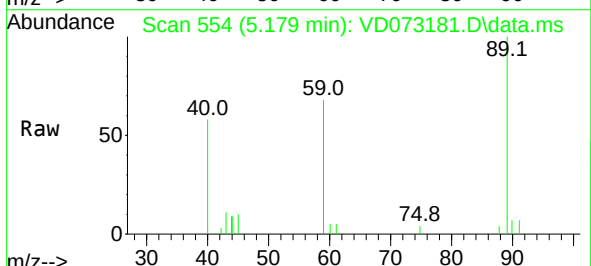
Instrument :
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ClientSampleId :
P025-SS001-0006-01

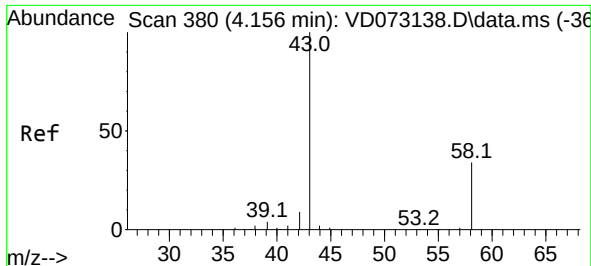
Tgt Ion: 94 Resp: 842
Ion Ratio Lower Upper
94 100
96 88.3 77.6 116.4



#11
Tert butyl alcohol
Concen: 23.077 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD073181.D
Acq: 20 May 2022 12:58

Tgt Ion: 59 Resp: 11457
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

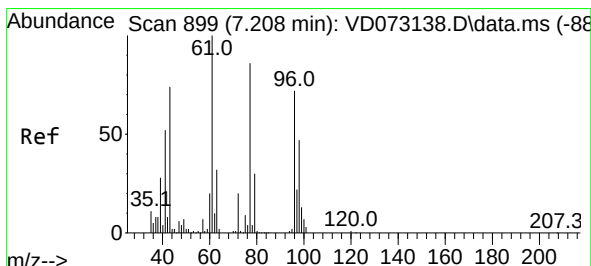
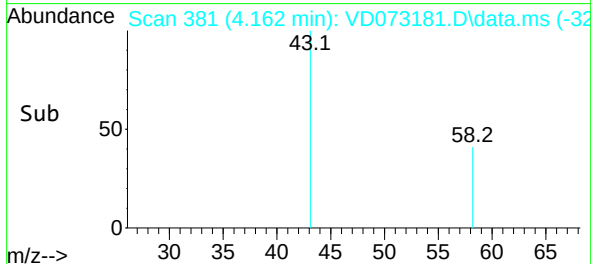
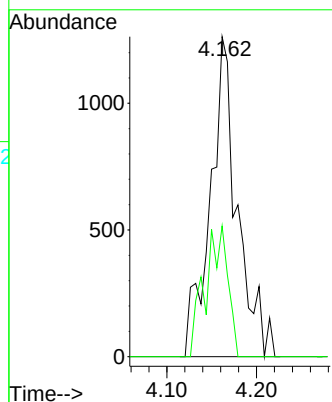
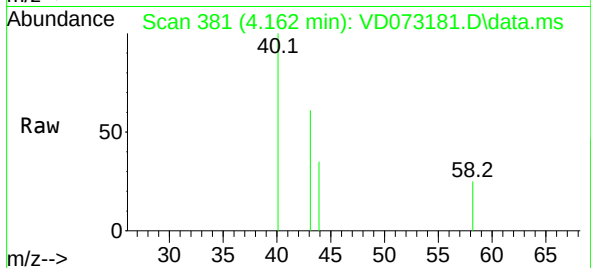




#16
Acetone
Concen: 4.763 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073181.D
Acq: 20 May 2022 12:58

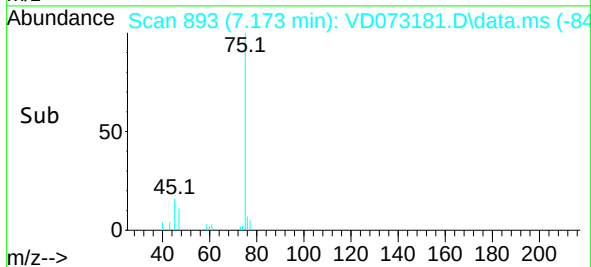
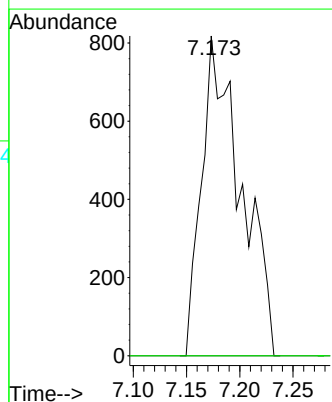
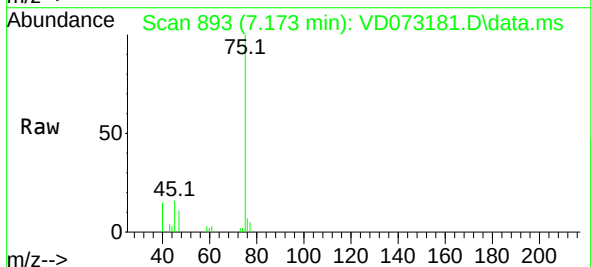
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0006-01

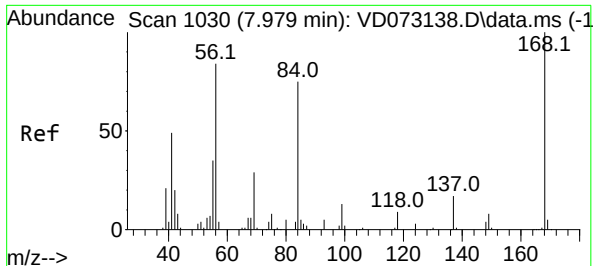
Tgt Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
58 40.9 22.1 33.1#



#25
2-Butanone
Concen: 2.597 ug/l
RT: 7.173 min Scan# 893
Delta R.T. -0.035 min
Lab File: VD073181.D
Acq: 20 May 2022 12:58

Tgt Ion: 43 Resp: 2106
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073181.D

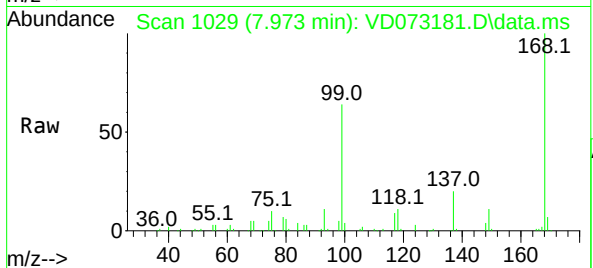
Acq: 20 May 2022 12:58

Instrument :

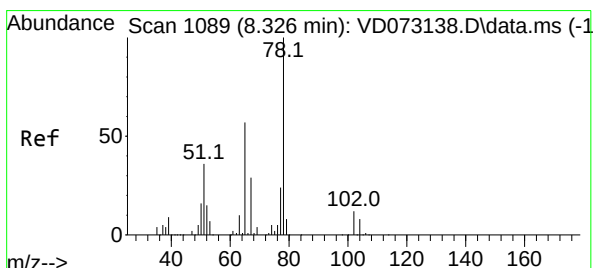
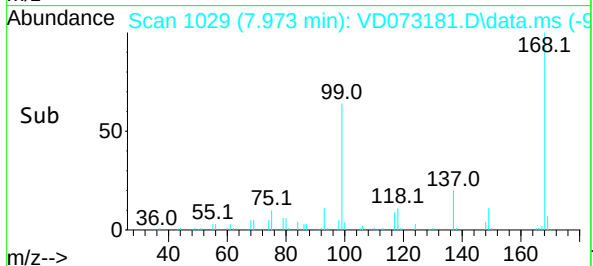
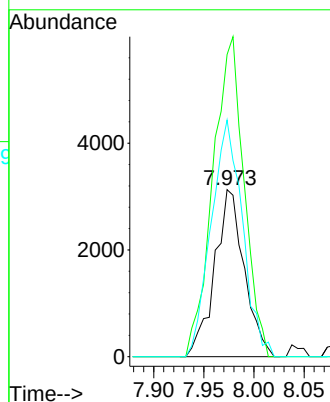
MSVOA_D

ClientSampleId :

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Tgt Ion:	56	Resp:	6408
Ion	Ratio	Lower	Upper
56	100		
69	180.8	25.4	38.2#
84	141.7	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 54.434 ug/l

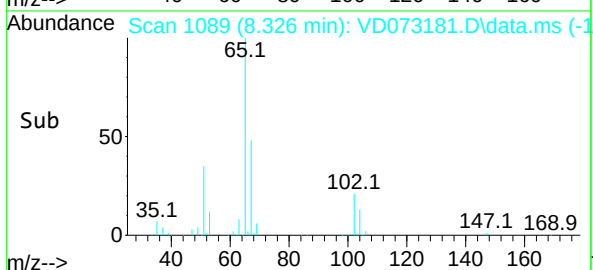
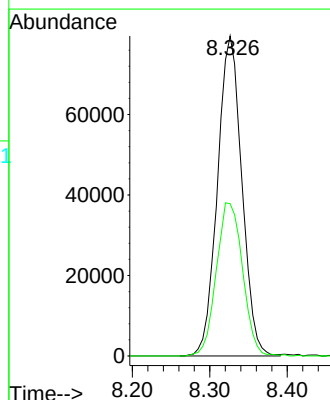
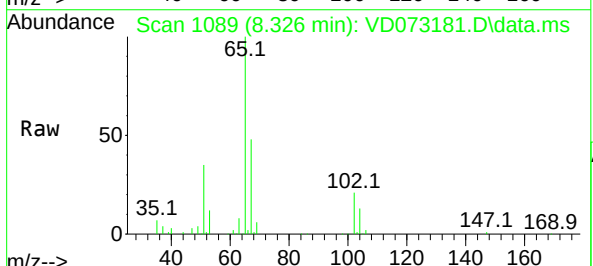
RT: 8.326 min Scan# 1089

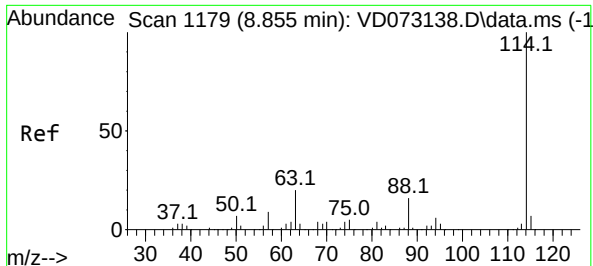
Delta R.T. 0.000 min

Lab File: VD073181.D

Acq: 20 May 2022 12:58

Tgt Ion:	65	Resp:	174182
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073181.D

Acq: 20 May 2022 12:58

Instrument :

MSVOA_D

ClientSampleId :

P025-SS001-0006-01

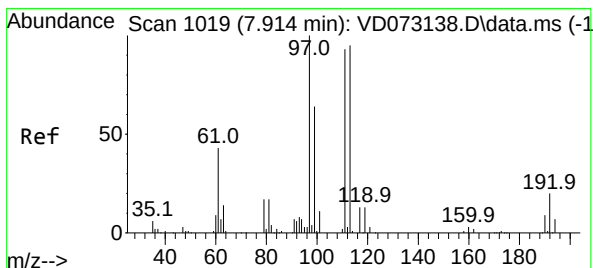
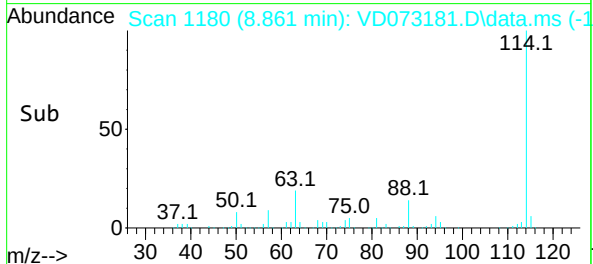
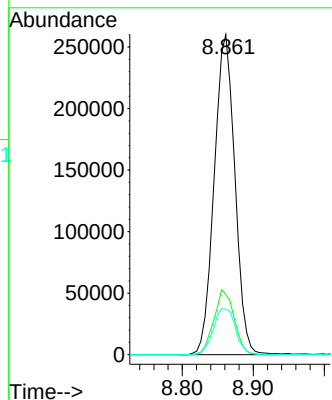
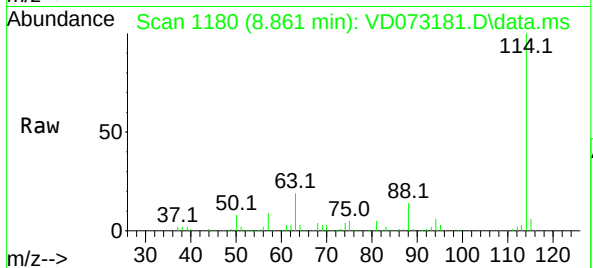
Tgt Ion:114 Resp: 525833

Ion Ratio Lower Upper

114 100

63 18.8 0.0 46.6

88 14.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.129 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073181.D

Acq: 20 May 2022 12:58

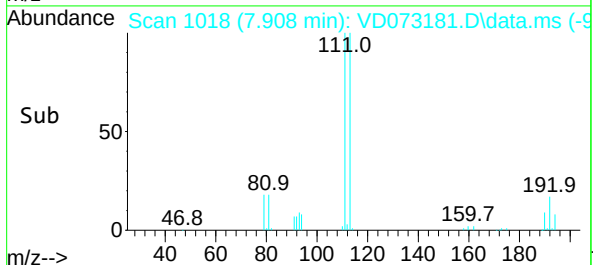
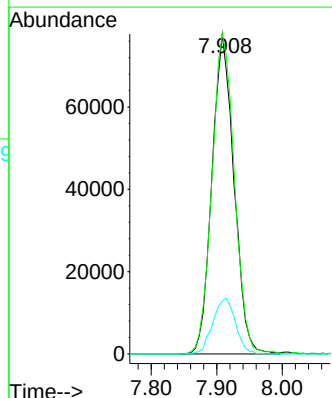
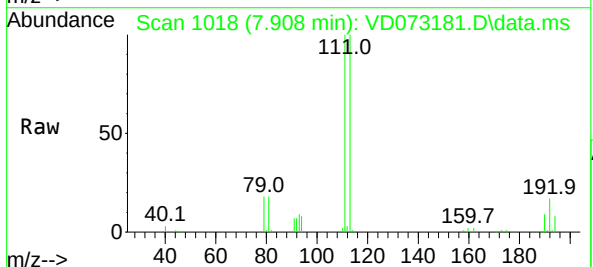
Tgt Ion:113 Resp: 180877

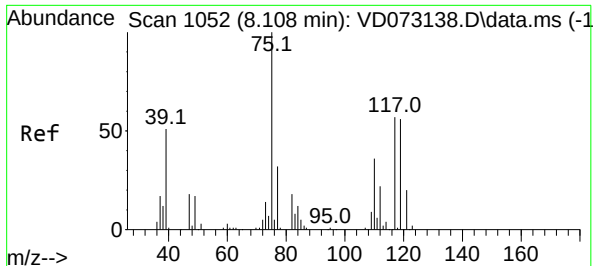
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.931 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073181.D

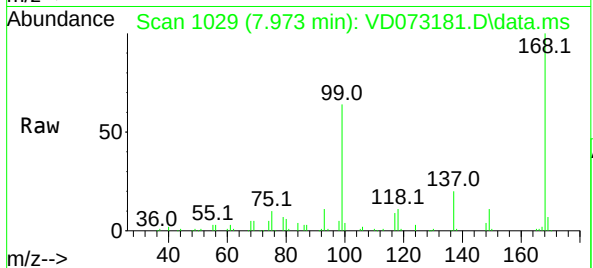
Acq: 20 May 2022 12:58

Instrument :

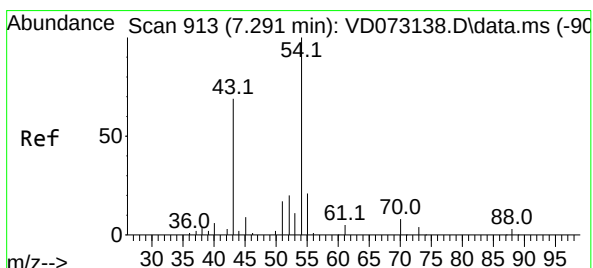
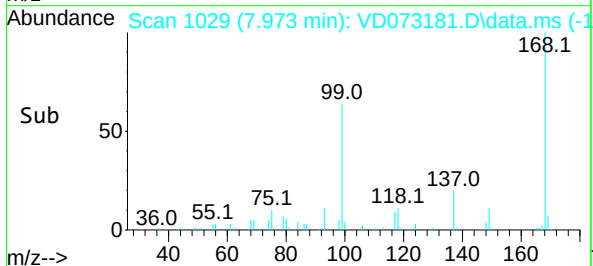
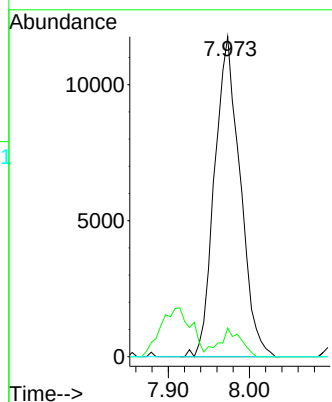
MSVOA_D

ClientSampleId :

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Tgt Ion:	75	Resp:	25730
Ion	Ratio	Lower	Upper
75	100		
110	6.5	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 1.022 ug/l

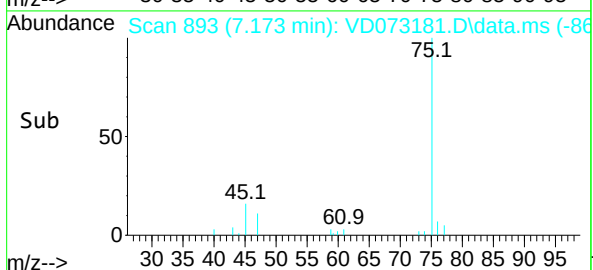
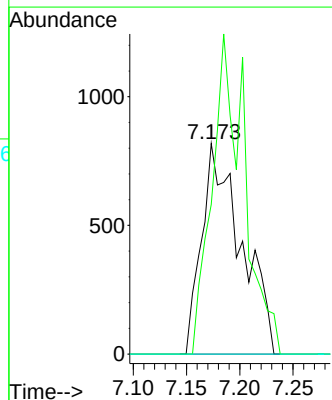
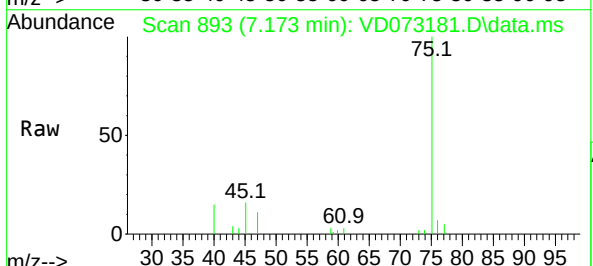
RT: 7.173 min Scan# 893

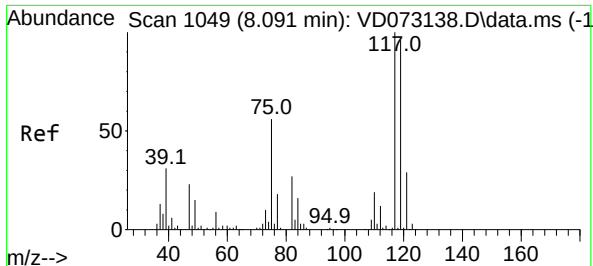
Delta R.T. -0.118 min

Lab File: VD073181.D

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Tgt Ion:	43	Resp:	2106
Ion	Ratio	Lower	Upper
43	100		
61	125.2	9.8	14.8#
70	0.0	6.9	10.3#

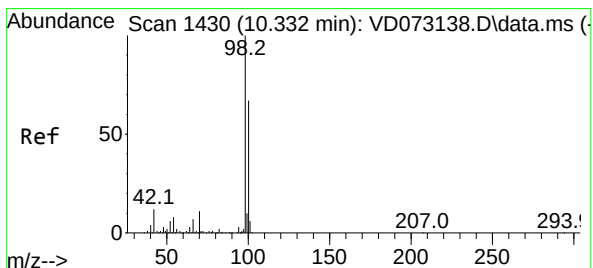
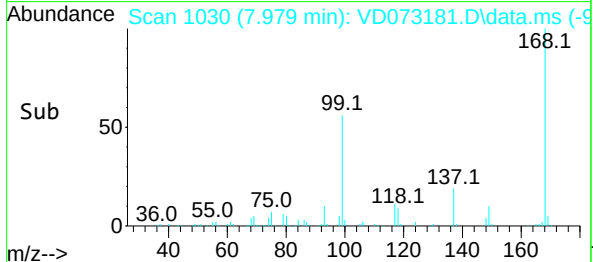
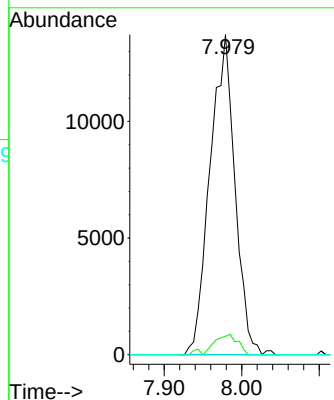
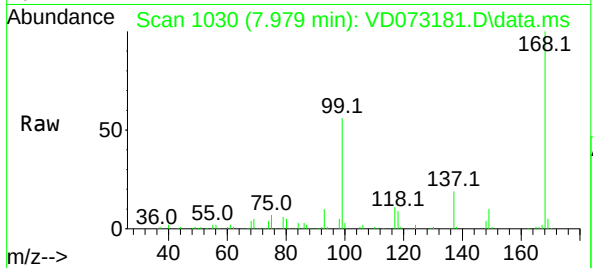




#38
Carbon Tetrachloride
Concen: 5.811 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073181.D
Acq: 20 May 2022 12:58

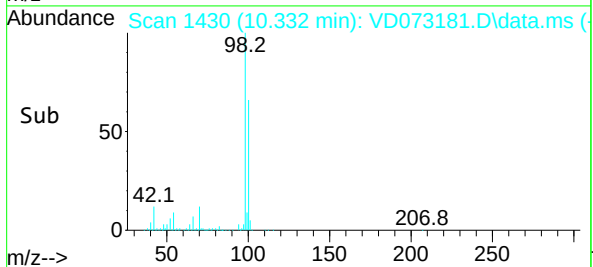
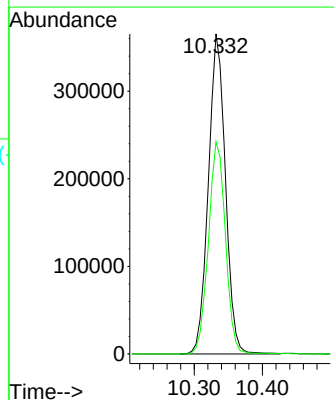
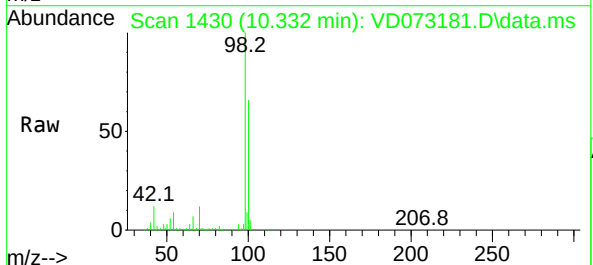
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0006-01

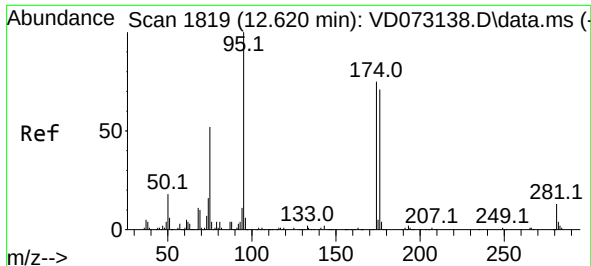
Tgt Ion:117 Resp: 30740
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.735 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073181.D
Acq: 20 May 2022 12:58

Tgt Ion: 98 Resp: 636143
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6

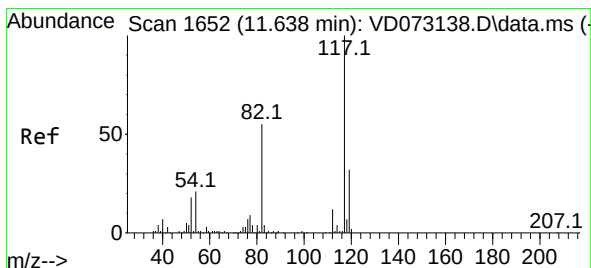
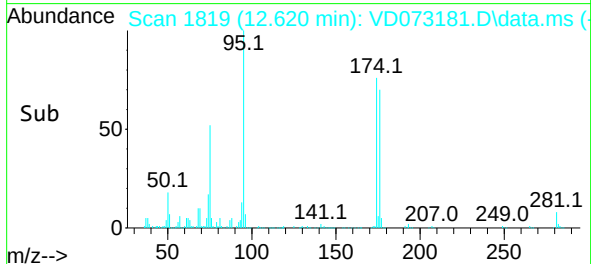
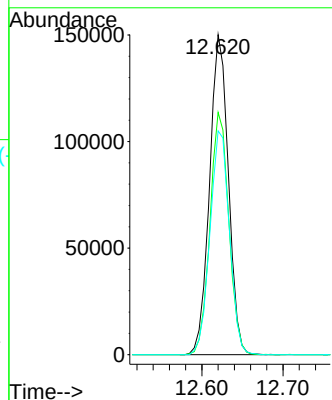
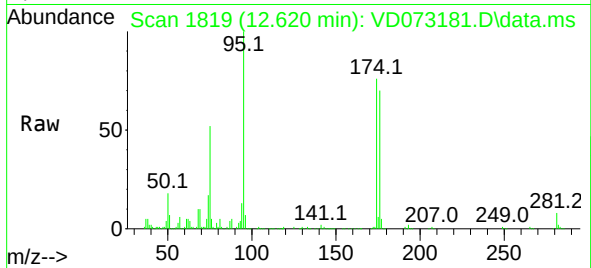




#62
4-Bromofluorobenzene
Concen: 53.745 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073181.D
Acq: 20 May 2022 12:58

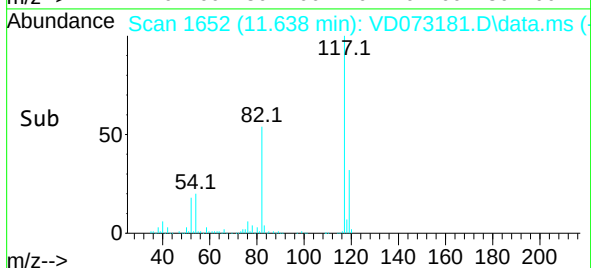
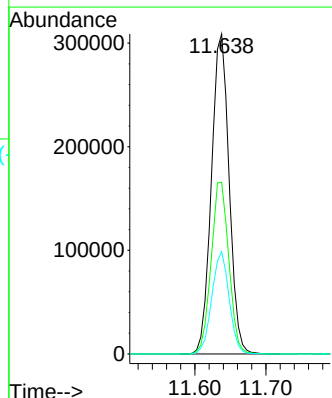
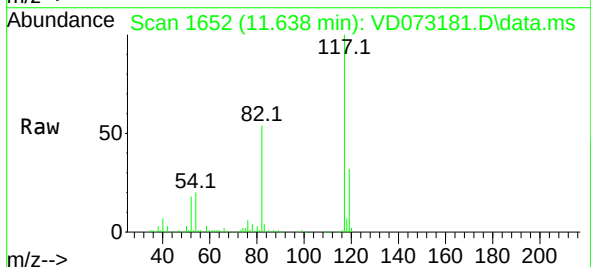
Instrument :
MSVOA_D
ClientSampleId :
P025-SS001-0006-01

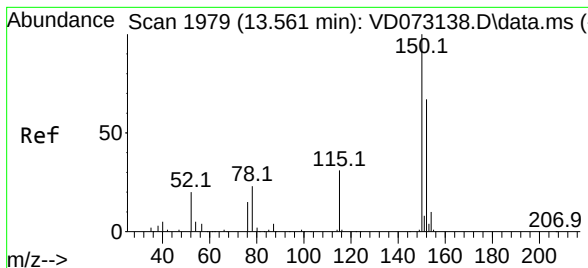
Tgt Ion: 95 Resp: 241245
Ion Ratio Lower Upper
95 100
174 75.9 0.0 152.8
176 72.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073181.D
Acq: 20 May 2022 12:58

Tgt Ion: 117 Resp: 533893
Ion Ratio Lower Upper
117 100
82 53.7 45.3 67.9
119 32.0 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073181.D

Acq: 20 May 2022 12:58

Instrument :

MSVOA_D

ClientSampleId :

P025-SS001-0006-01

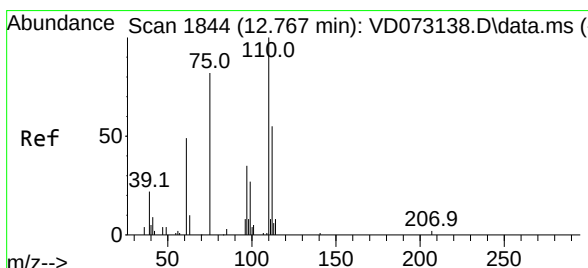
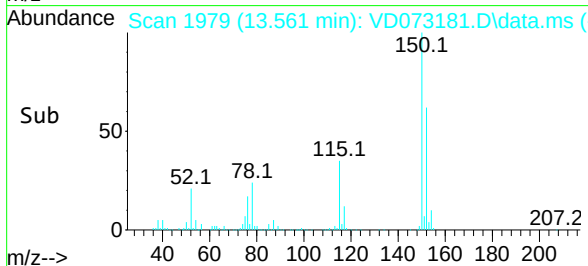
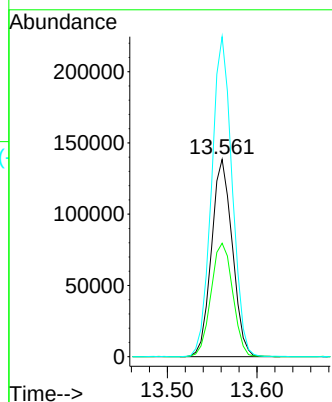
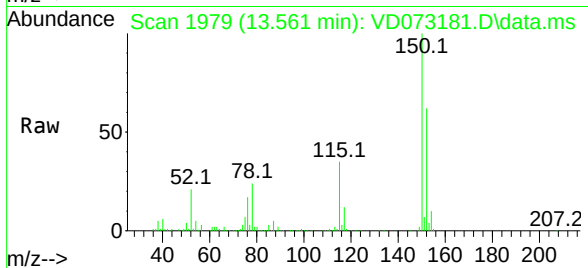
Tgt Ion:152 Resp: 223611

Ion Ratio Lower Upper

152 100

115 60.1 31.3 93.8

150 160.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 56.389 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073181.D

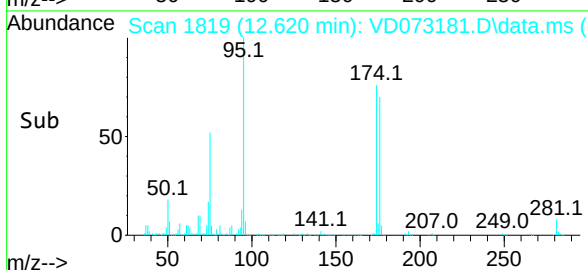
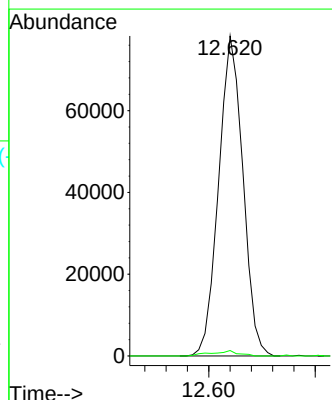
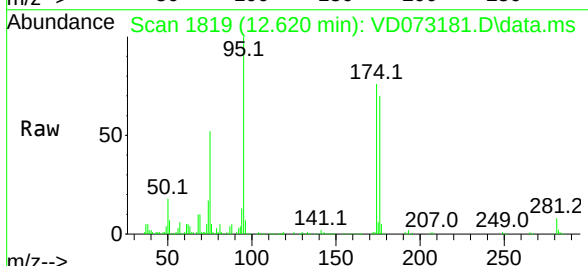
Acq: 20 May 2022 12:58

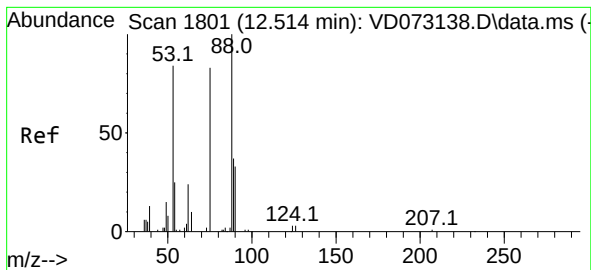
Tgt Ion: 75 Resp: 123718

Ion Ratio Lower Upper

75 100

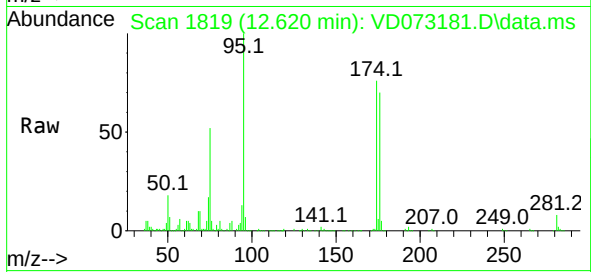
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.373 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073181.D
 Acq: 20 May 2022 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P025-SS001-0006-01



Tgt Ion: 75 Resp: 123718
 Ion Ratio Lower Upper
 75 100
 53 2.3 86.5 129.7#
 89 0.1 33.9 50.9#

