

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070295.D
 Acq On : 10 Sep 2021 12:53
 Operator : VA/SY
 Sample : VD0910SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 11 02:23:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

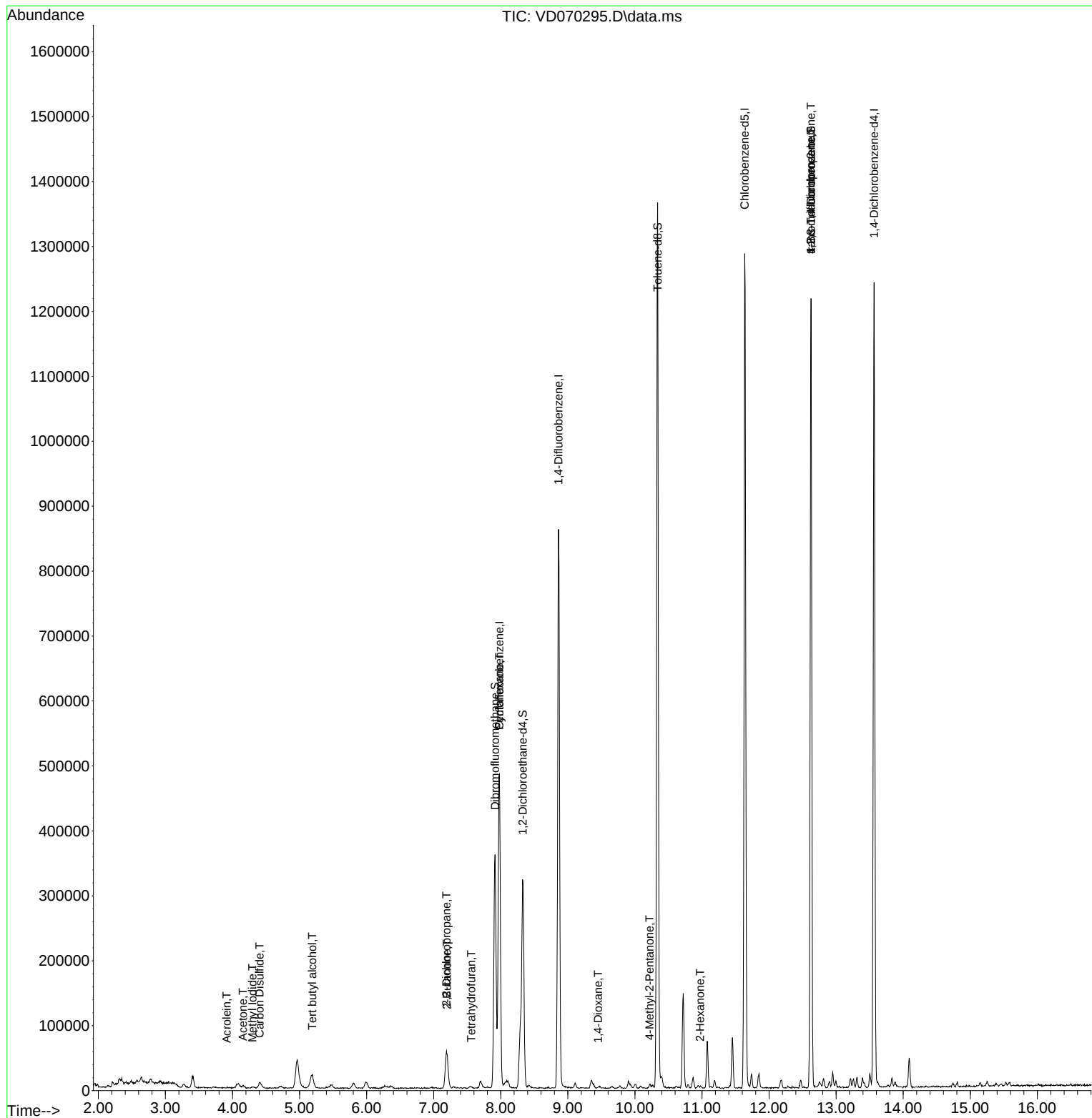
Internal Standards						
1) Pentafluorobenzene	7.979	168	329576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	727308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	742157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	319006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247190	58.412	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.820%	
35) Dibromofluoromethane	7.914	113	260928	50.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.800%	
50) Toluene-d8	10.338	98	920139	48.952	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.900%	
62) 4-Bromofluorobenzene	12.626	95	342842	52.189	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.380%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	2796	Below Cal		93
3) Chloromethane	2.209	50	4289	Below Cal	#	77
5) Bromomethane	2.779	94	4487	Below Cal		93
6) Chloroethane	2.920	64	2647	Below Cal	#	77
10) Methyl Iodide	4.297	142	2094	1.532	ug/l #	88
11) Tert butyl alcohol	5.191	59	19912	41.615	ug/l #	100
13) Acrolein	3.914	56	285	1.355	ug/l #	75
16) Acetone	4.156	43	6263	8.290	ug/l	89
17) Carbon Disulfide	4.403	76	17720	1.252	ug/l #	94
18) Methyl Acetate	4.703	43	91	Below Cal	#	48
25) 2-Butanone	7.197	43	2473	2.459	ug/l #	70
26) 2,2-Dichloropropane	7.191	77	7398	1.072	ug/l #	51
29) Tetrahydrofuran	7.561	42	1157	1.792	ug/l #	71
31) Cyclohexane	7.979	56	12109	1.661	ug/l #	10
49) 1,4-Dioxane	9.449	88	57	1.849	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	4048	1.455	ug/l	100
59) 2-Hexanone	10.973	43	2146	1.156	ug/l	76
76) 1,2,3-Trichloropropane	12.626	75	172696	53.519	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	172696	134.098	ug/l #	18

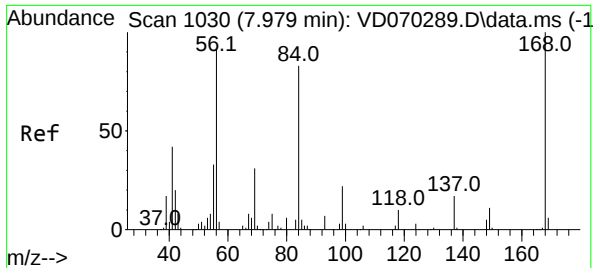
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Time: Sep 11 02:23:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

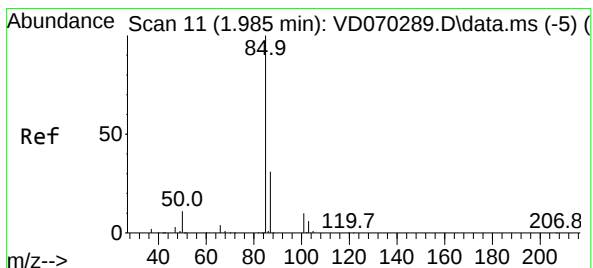
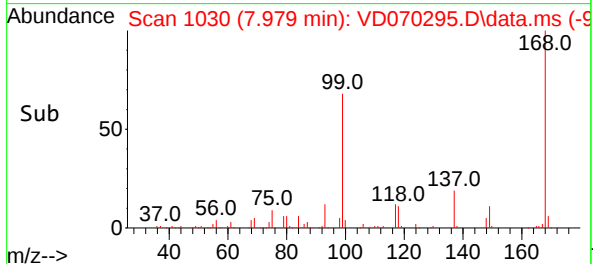
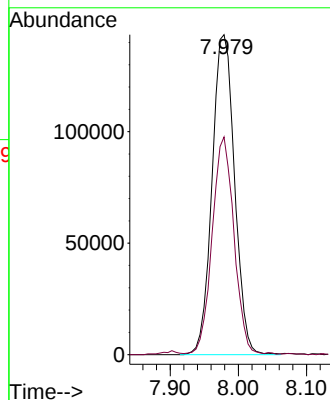
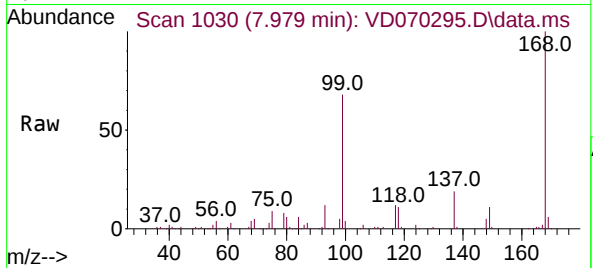




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

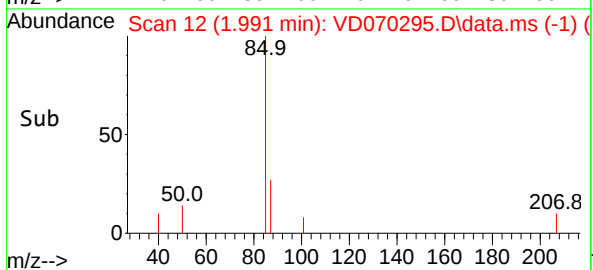
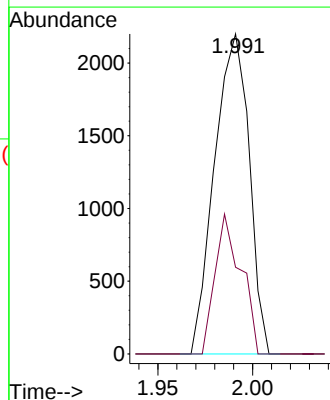
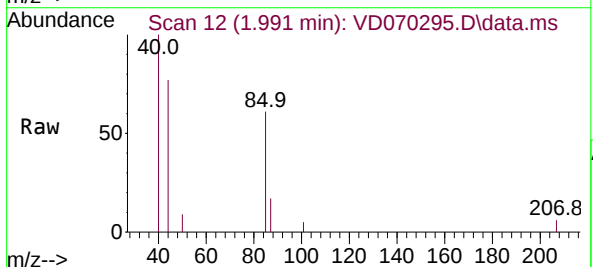
Instrument :
MSVOA_D
ClientSampleId :

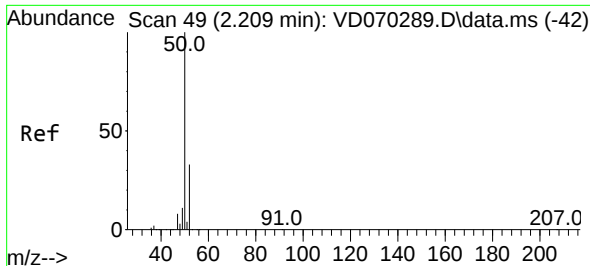
Tgt Ion:168 Resp: 329576
Ion Ratio Lower Upper
168 100
99 67.8 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion: 85 Resp: 2796
Ion Ratio Lower Upper
85 100
87 27.1 15.6 46.8

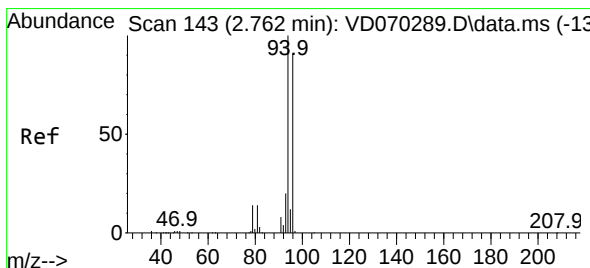
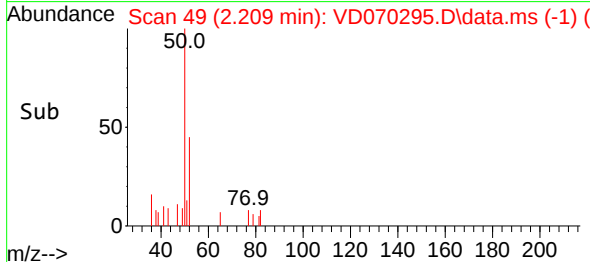
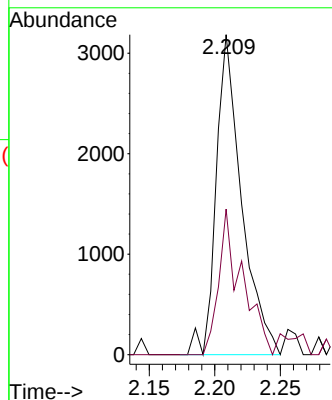
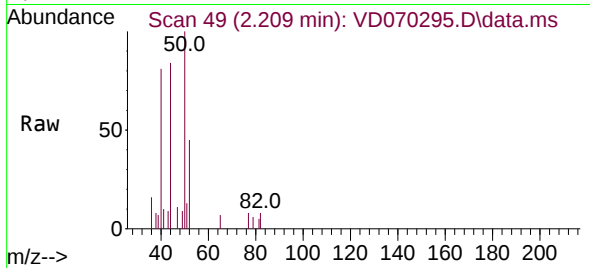




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

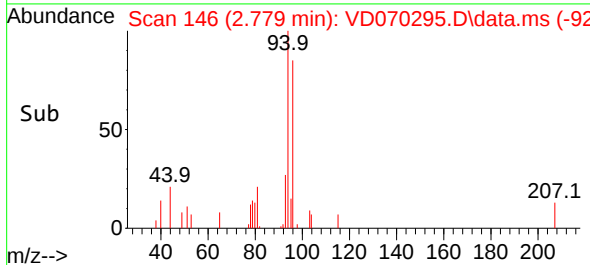
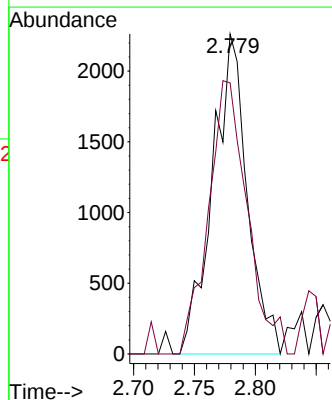
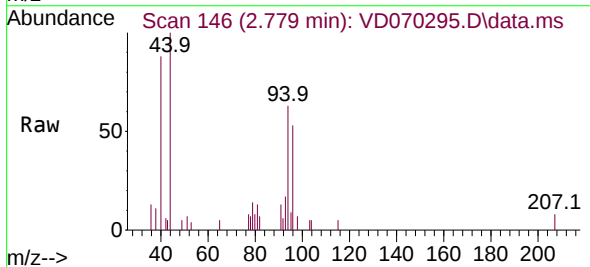
Instrument :
MSVOA_D
ClientSampled :

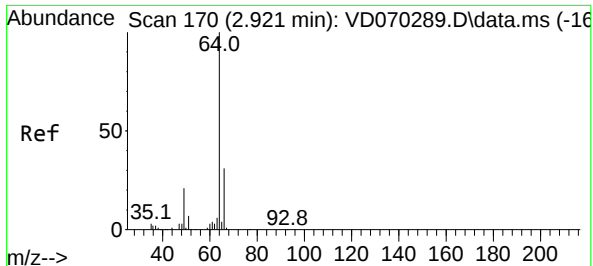
Tgt Ion: 50 Resp: 4289
Ion Ratio Lower Upper
50 100
52 45.5 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion: 94 Resp: 4487
Ion Ratio Lower Upper
94 100
96 84.7 73.0 109.6

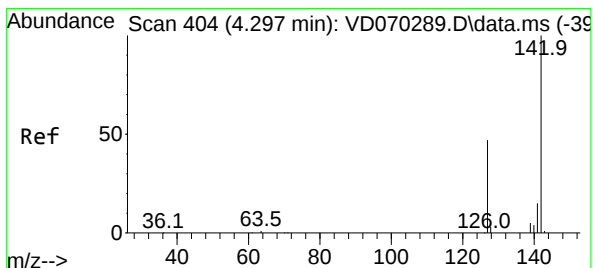
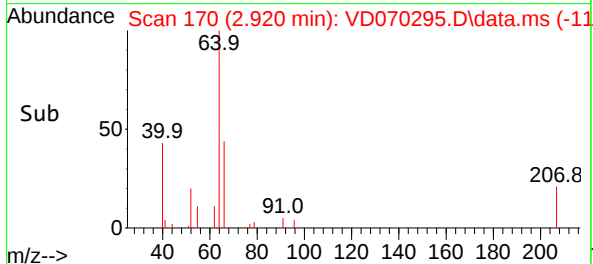
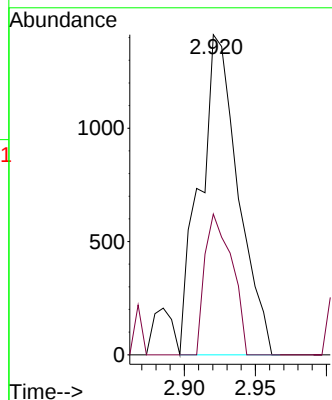
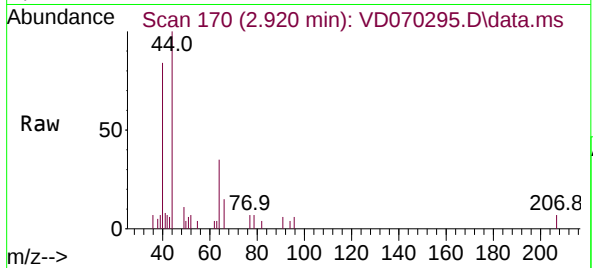




#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

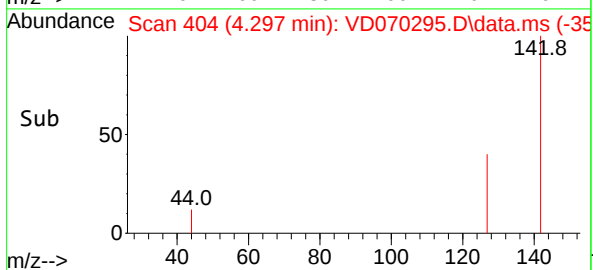
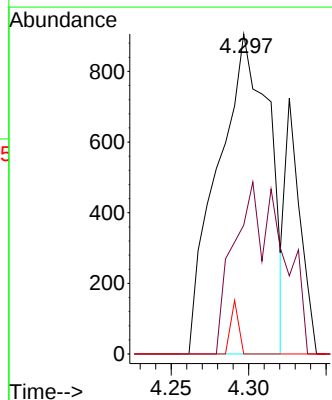
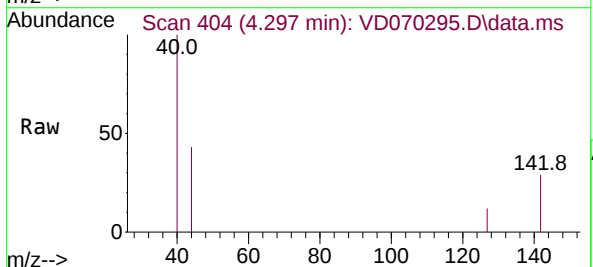
Instrument :
MSVOA_D
ClientSampled :

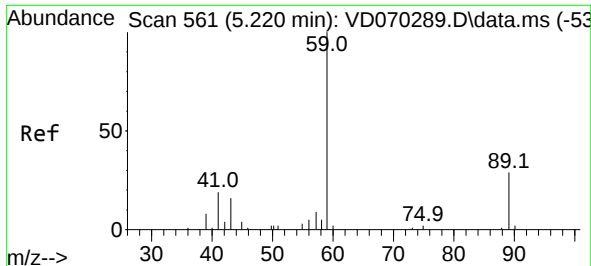
Tgt Ion: 64 Resp: 2647
Ion Ratio Lower Upper
64 100
66 43.9 25.0 37.4#



#10
Methyl Iodide
Concen: 1.532 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion: 142 Resp: 2094
Ion Ratio Lower Upper
142 100
127 50.3 36.9 55.3
141 2.6 11.8 17.6#

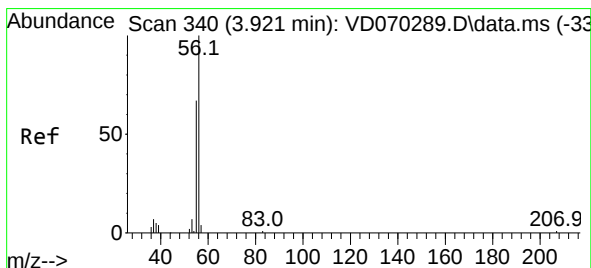
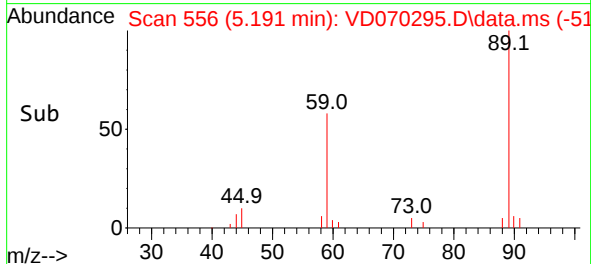
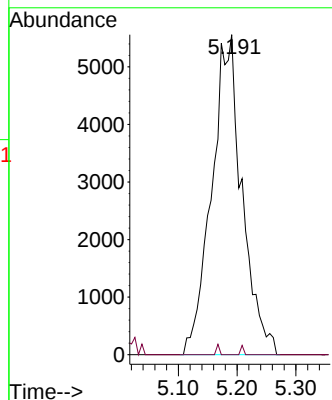
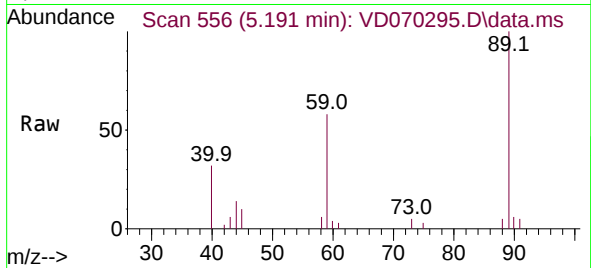




#11
Tert butyl alcohol
Concen: 41.615 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

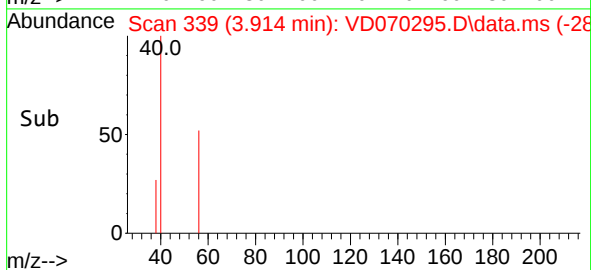
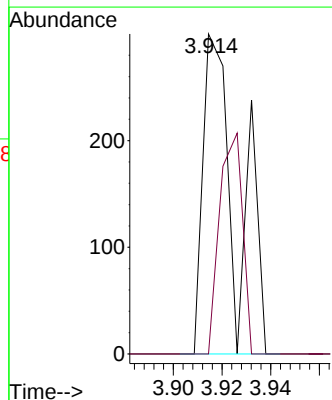
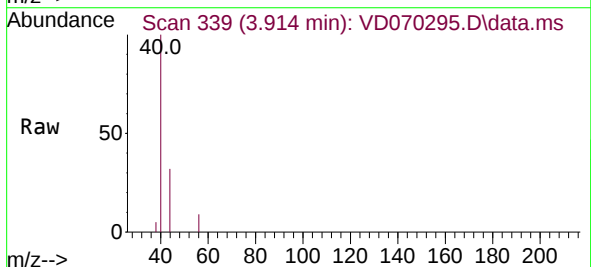
Instrument :
MSVOA_D
ClientSampled :

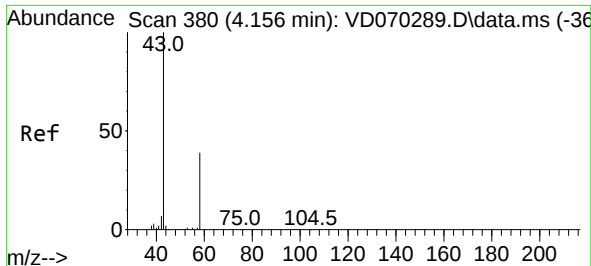
Tgt Ion: 59 Resp: 19912
Ion Ratio Lower Upper
59 100
57 0.3 0.0 0.0#



#13
Acrolein
Concen: 1.355 ug/l
RT: 3.914 min Scan# 339
Delta R.T. -0.006 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 47.4 54.2 81.2#

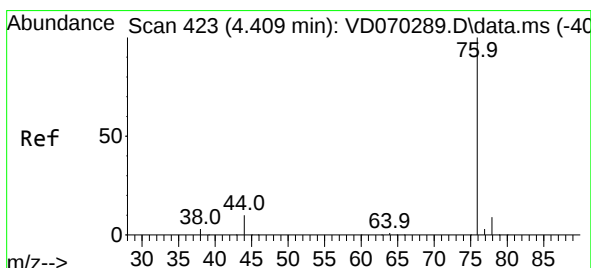
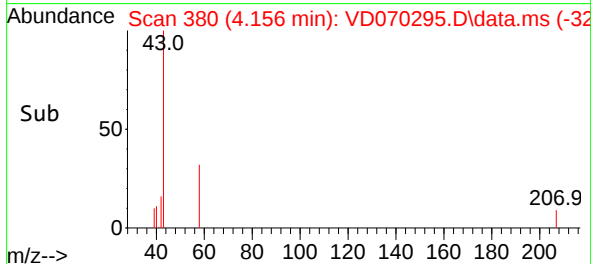
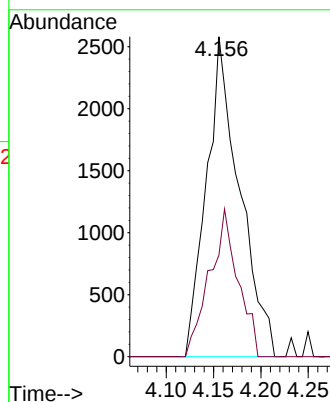
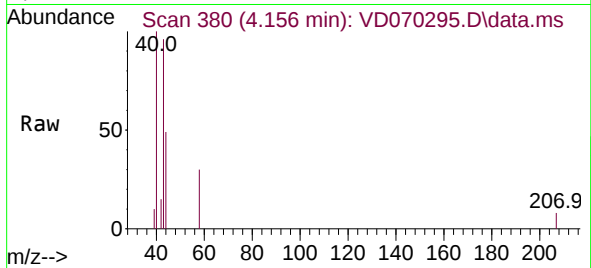




#16
Acetone
Concen: 8.290 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

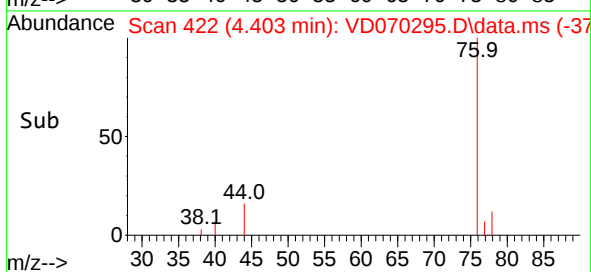
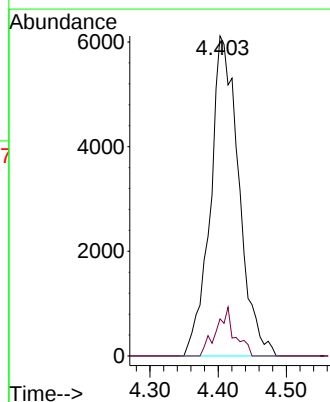
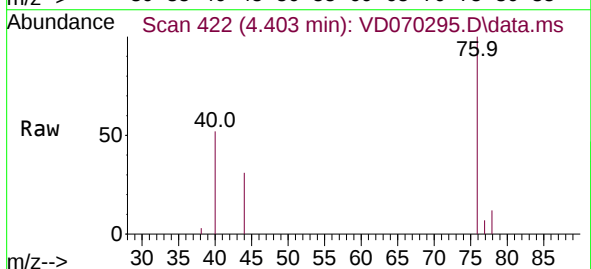
Instrument :
MSVOA_D
ClientSampled :

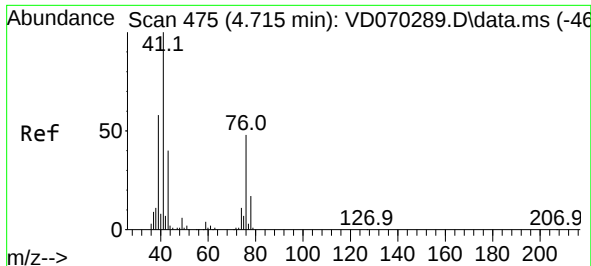
Tgt Ion: 43 Resp: 6263
Ion Ratio Lower Upper
43 100
58 31.8 30.9 46.3



#17
Carbon Disulfide
Concen: 1.252 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion: 76 Resp: 17720
Ion Ratio Lower Upper
76 100
78 11.6 7.5 11.3#

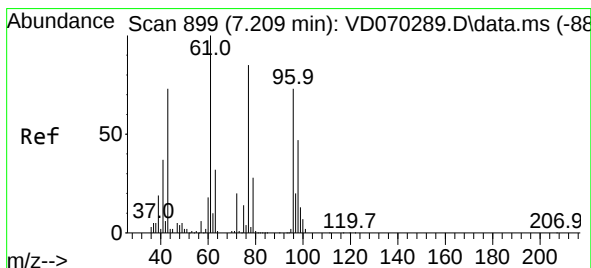
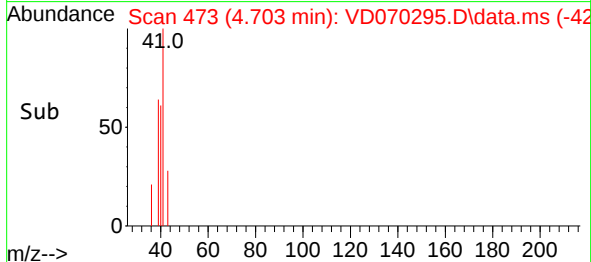
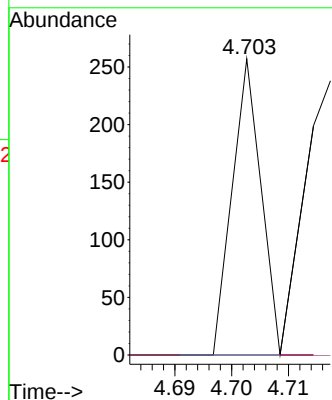
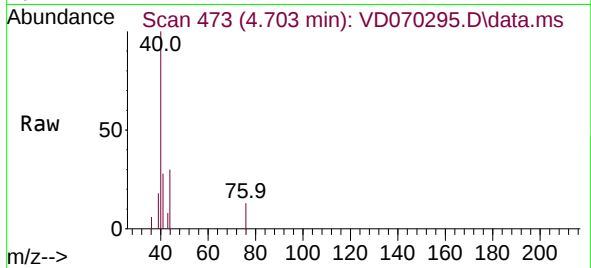




#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.012 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

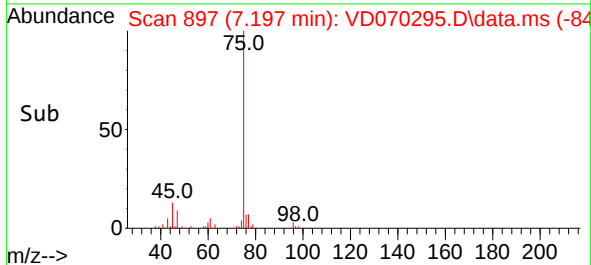
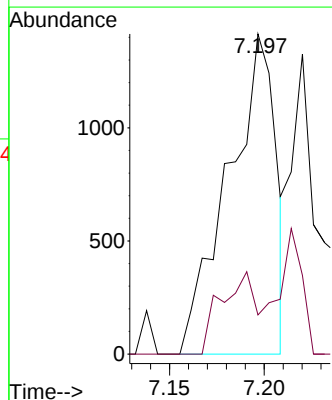
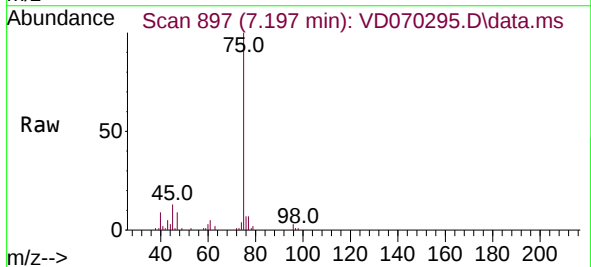
Instrument :
MSVOA_D
ClientSampled :

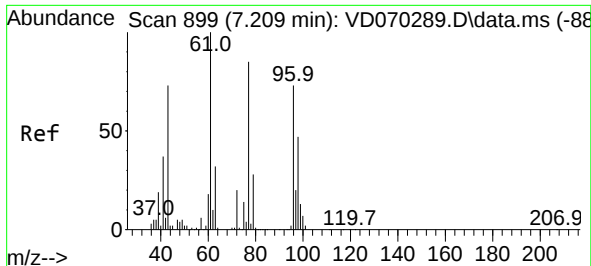
Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 2.459 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion: 43 Resp: 2473
Ion Ratio Lower Upper
43 100
72 12.2 22.2 33.4#





#26

2,2-Dichloropropane

Concen: 1.072 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD070295.D

Acq: 10 Sep 2021 12:53

Instrument :

MSVOA_D

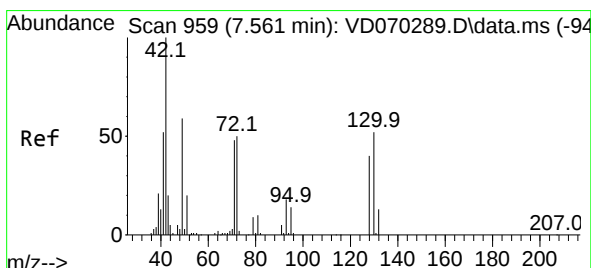
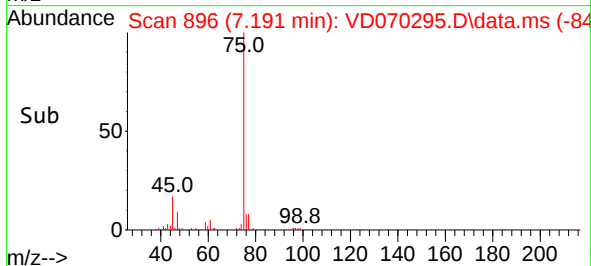
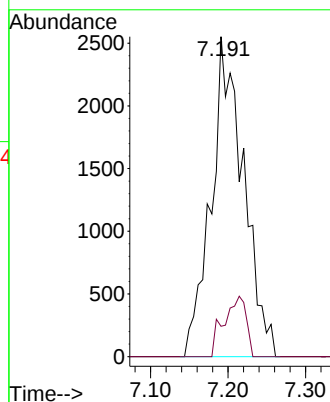
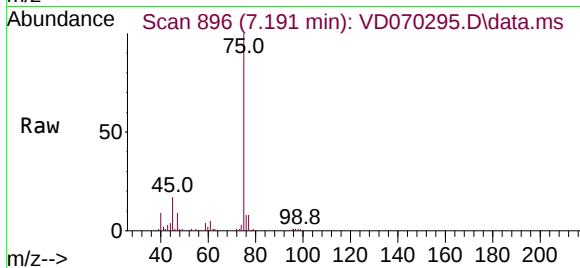
ClientSampled :

Tgt Ion: 77 Resp: 7398

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.9#



#29

Tetrahydrofuran

Concen: 1.792 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.000 min

Lab File: VD070295.D

Acq: 10 Sep 2021 12:53

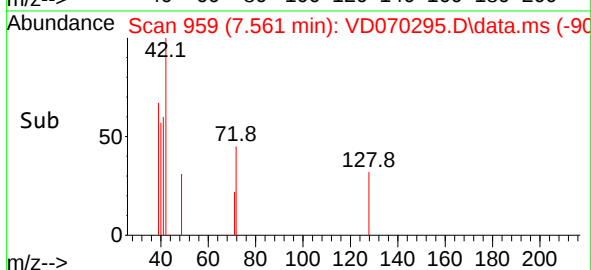
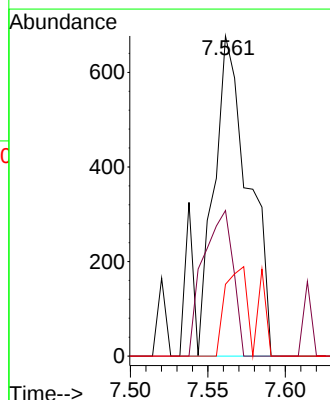
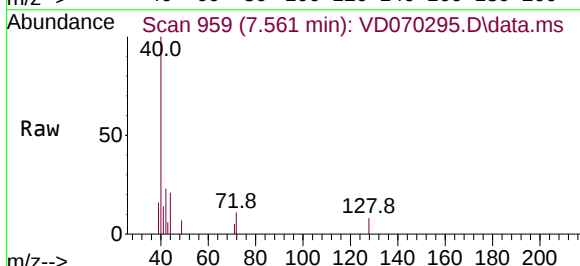
Tgt Ion: 42 Resp: 1157

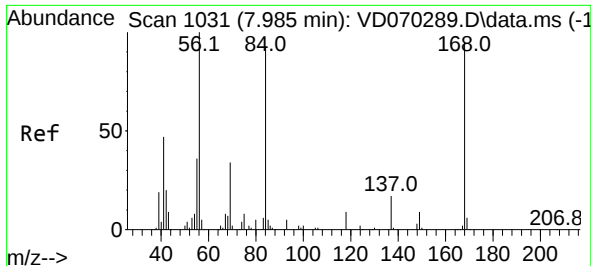
Ion Ratio Lower Upper

42 100

72 35.6 38.8 58.2#

71 21.3 37.8 56.6#

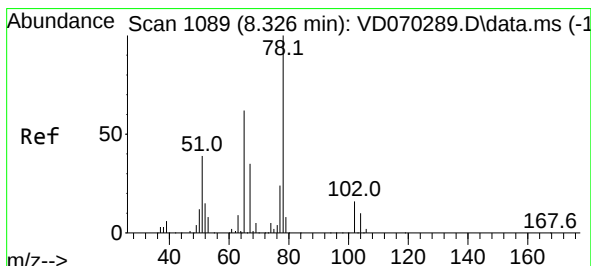
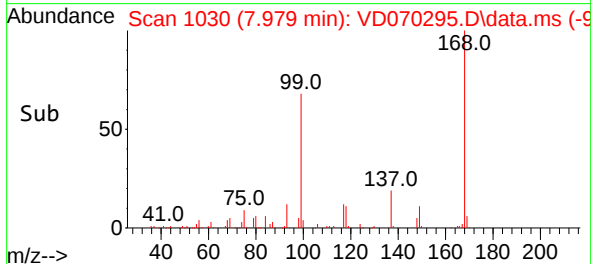
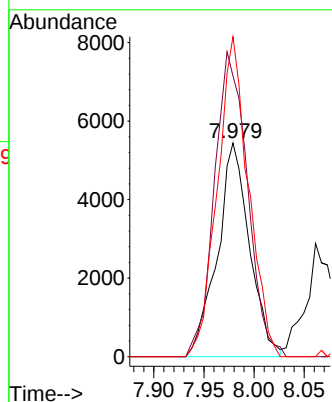
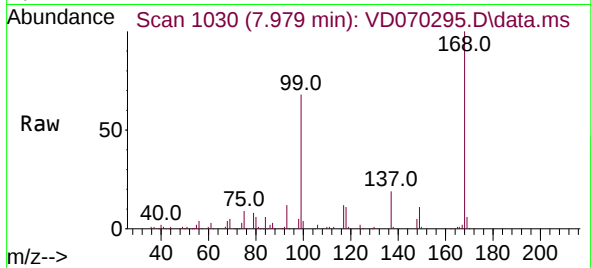




#31
Cyclohexane
Concen: 1.661 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

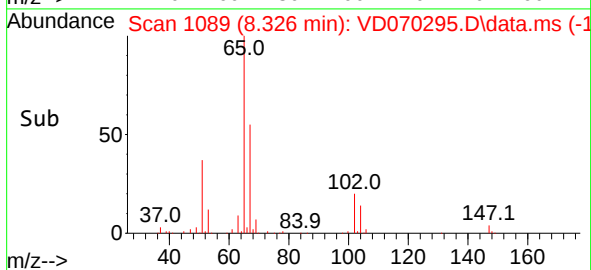
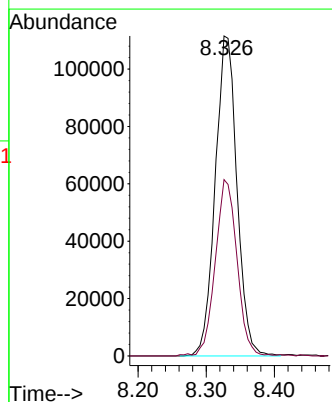
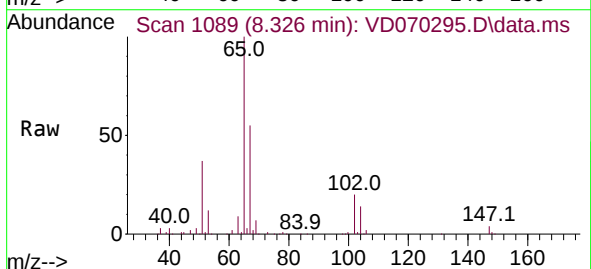
Instrument :
MSVOA_D
ClientSampleId :

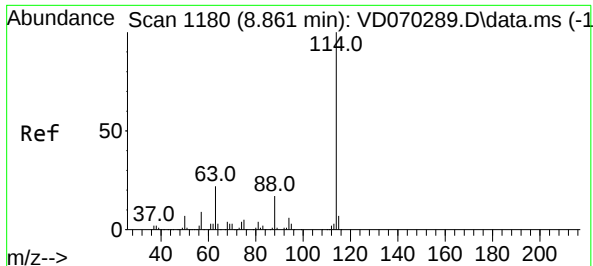
Tgt Ion	Ratio	Lower	Upper
56	100		
69	131.4	26.9	40.3#
84	149.8	73.6	110.4#



#33
1,2-Dichloroethane-d4
Concen: 58.412 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	111.4

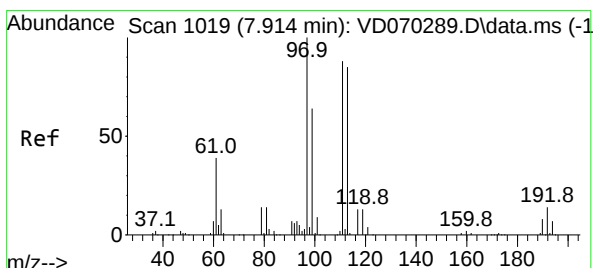
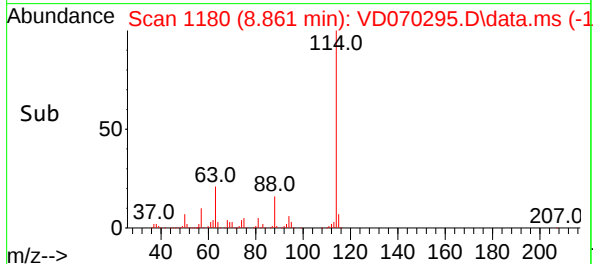
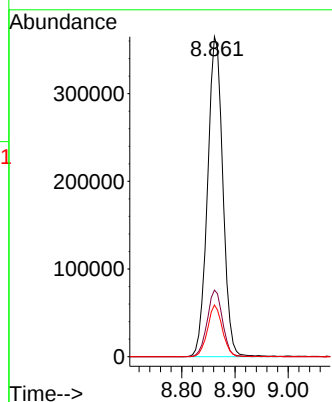
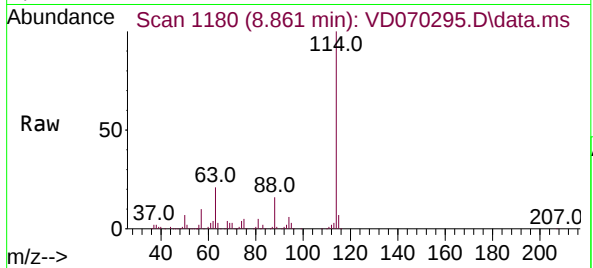




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

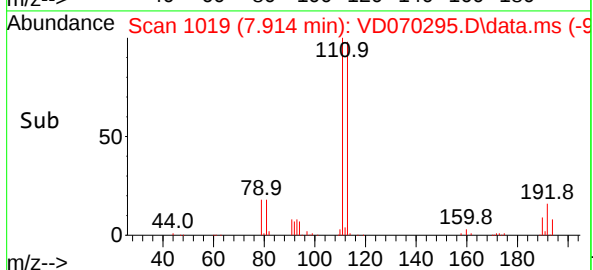
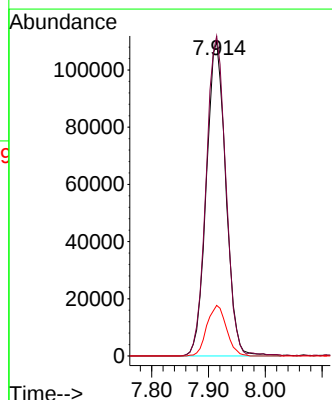
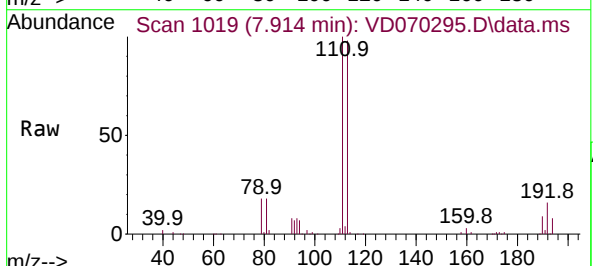
Instrument :
MSVOA_D
ClientSampleId :

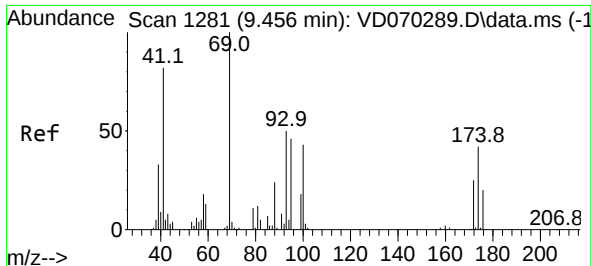
Tgt Ion:	114	Resp:	727308
Ion Ratio	Lower	Upper	
114	100		
63	20.8	0.0	43.4
88	16.2	0.0	33.4



#35
Dibromofluoromethane
Concen: 50.401 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

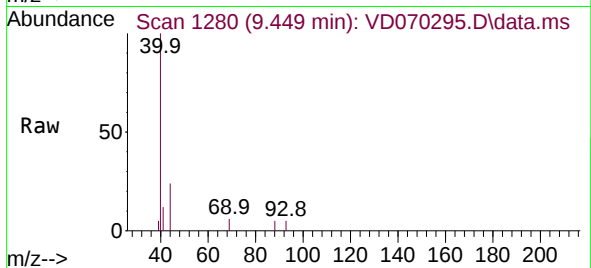
Tgt Ion:	113	Resp:	260928
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.4	122.2
192	16.2	13.0	19.6



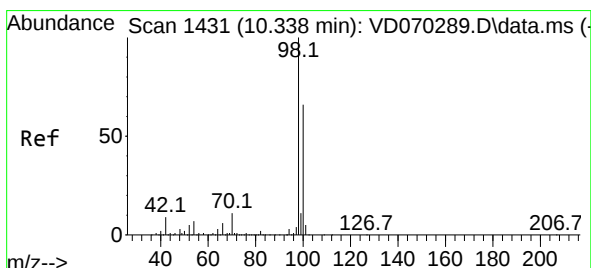
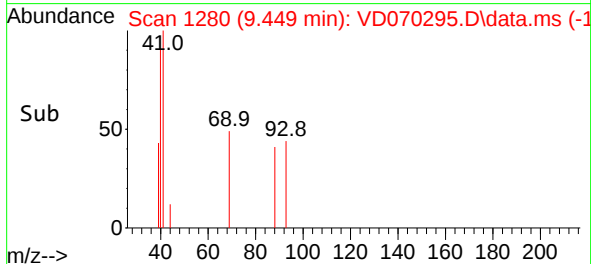
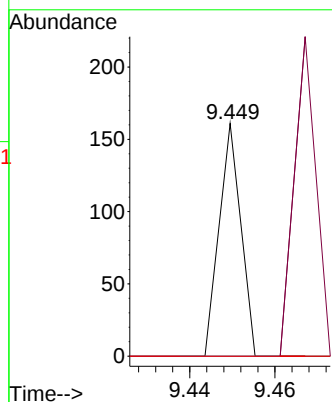


#49
1,4-Dioxane
Concen: 1.849 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.006 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Instrument :
MSVOA_D
ClientSampleId :

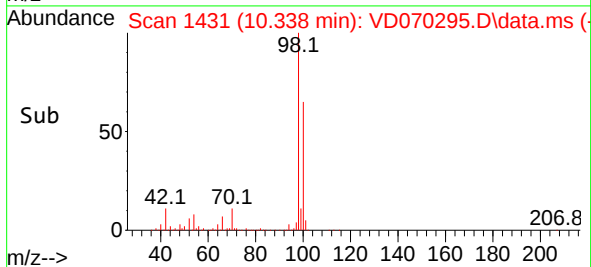
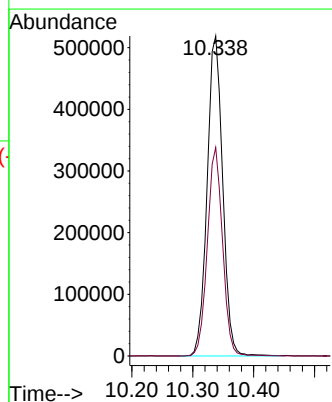
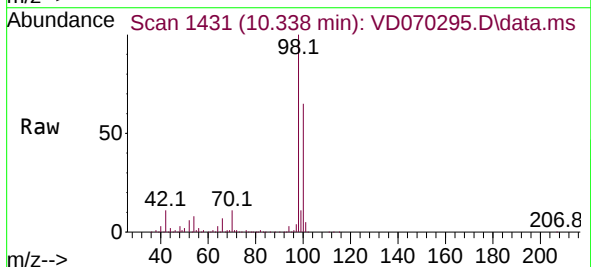


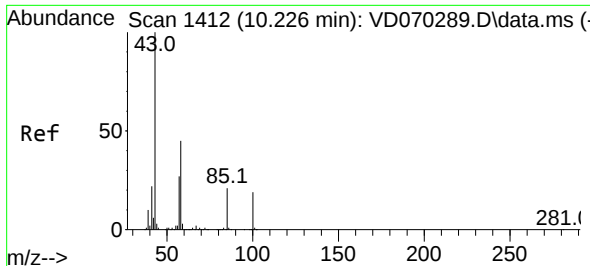
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 136.8 22.4 33.6#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 48.952 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion: 98 Resp: 920139
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

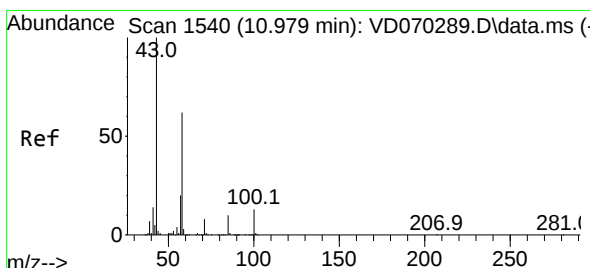
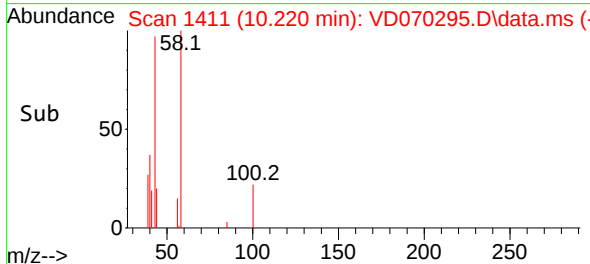
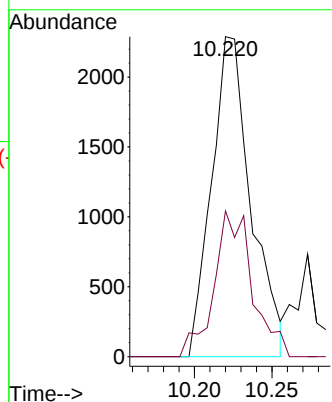
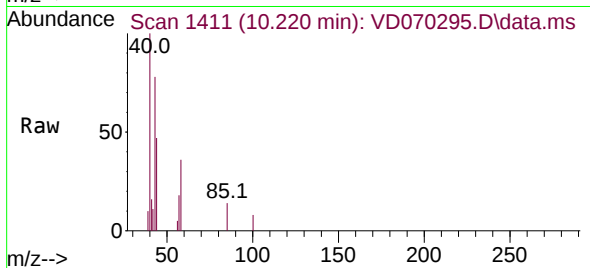




#51
4-Methyl-2-Pentanone
Concen: 1.455 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

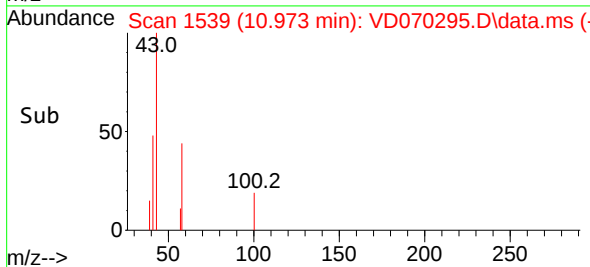
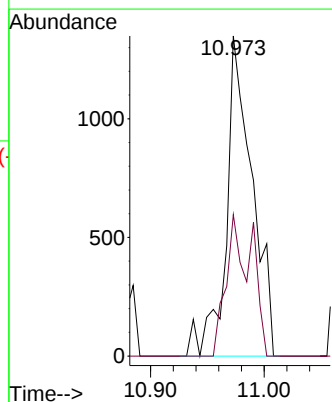
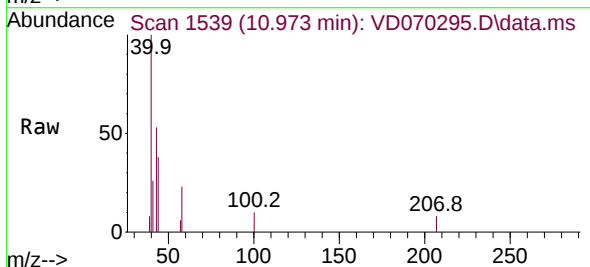
Instrument :
MSVOA_D
ClientSampleId :

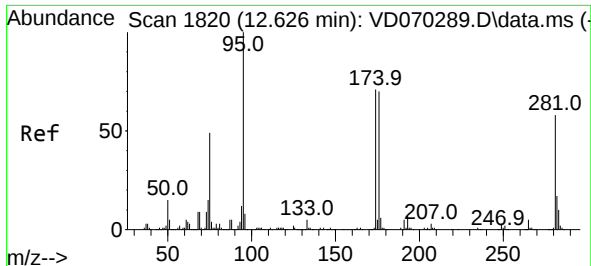
Tgt Ion: 43 Resp: 4048
Ion Ratio Lower Upper
43 100
58 44.0 35.4 53.2



#59
2-Hexanone
Concen: 1.156 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
58 42.7 30.6 91.6

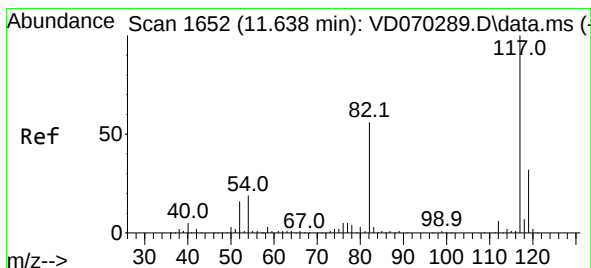
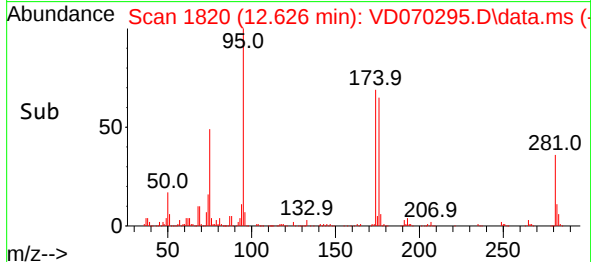
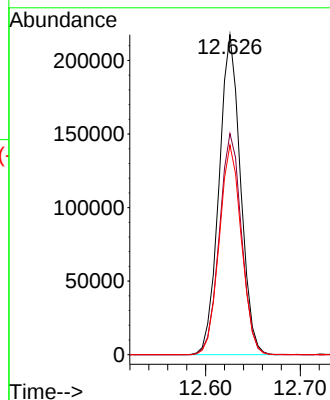
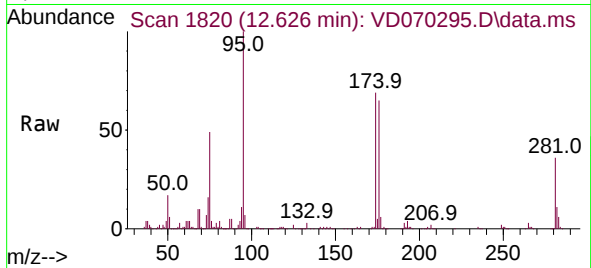




#62
4-Bromofluorobenzene
Concen: 52.189 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

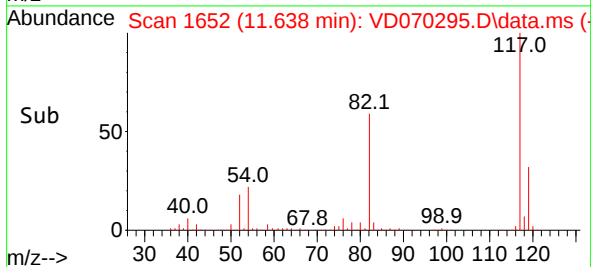
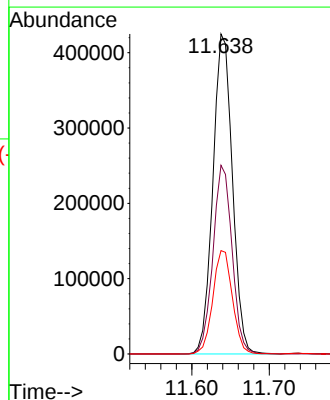
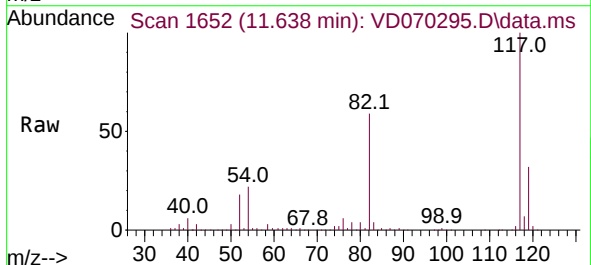
Instrument :
MSVOA_D
ClientSampleId :

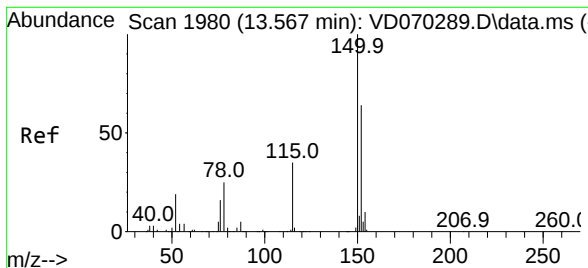
Tgt Ion: 95 Resp: 342842
Ion Ratio Lower Upper
95 100
174 71.4 0.0 140.6
176 67.5 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070295.D
Acq: 10 Sep 2021 12:53

Tgt Ion: 117 Resp: 742157
Ion Ratio Lower Upper
117 100
82 59.0 45.0 67.4
119 32.3 25.2 37.8

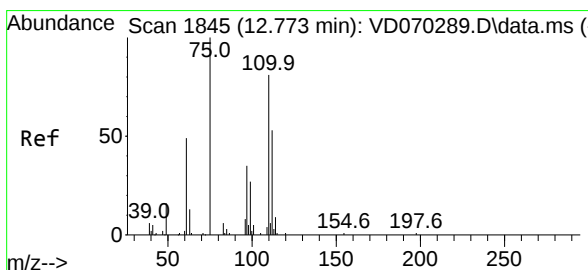
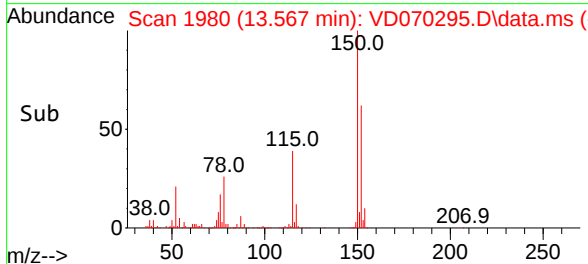
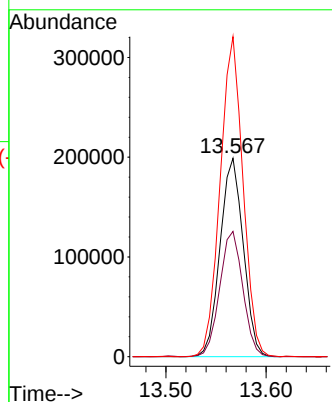
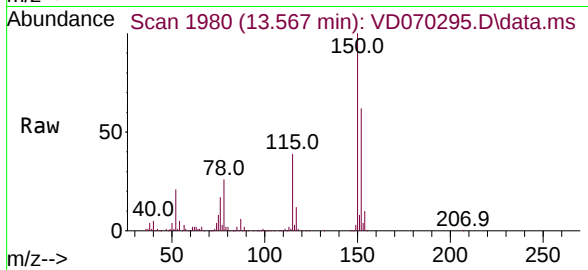




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070295.D
 Acq: 10 Sep 2021 12:53

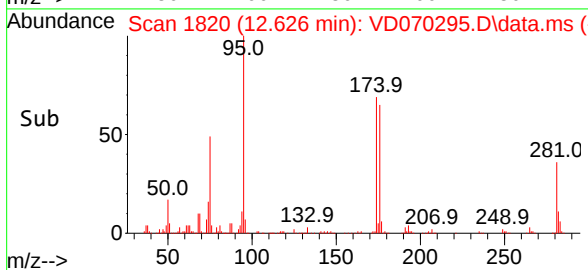
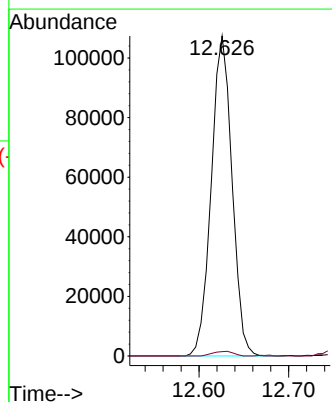
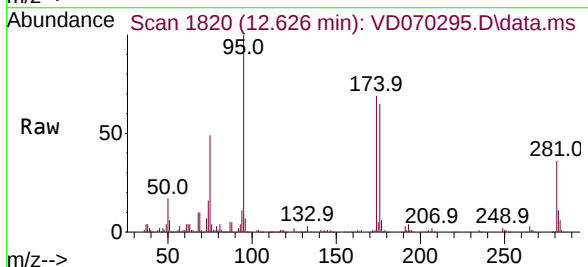
Instrument :
 MSVOA_D
 ClientSampleId :

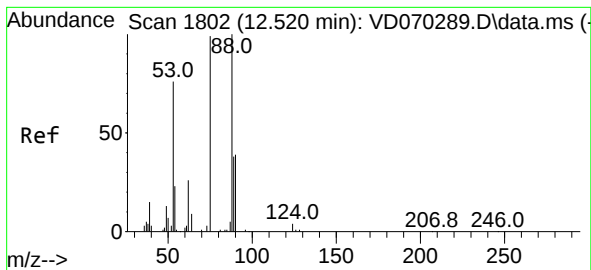
Tgt Ion:152 Resp: 319006
 Ion Ratio Lower Upper
 152 100
 115 62.9 32.1 96.3
 150 158.7 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 53.519 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070295.D
 Acq: 10 Sep 2021 12:53

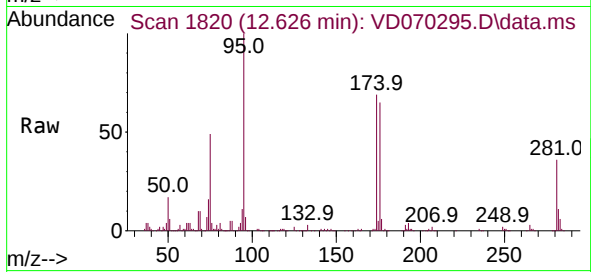
Tgt Ion: 75 Resp: 172696
 Ion Ratio Lower Upper
 75 100
 77 1.4 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.098 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070295.D
 Acq: 10 Sep 2021 12:53

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 172696
 Ion Ratio Lower Upper
 75 100
 53 0.2 64.2 96.2#
 89 0.5 35.6 53.4#

