

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070506.D
 Acq On : 28 Sep 2021 16:55
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Sep 28 23:43:47 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)

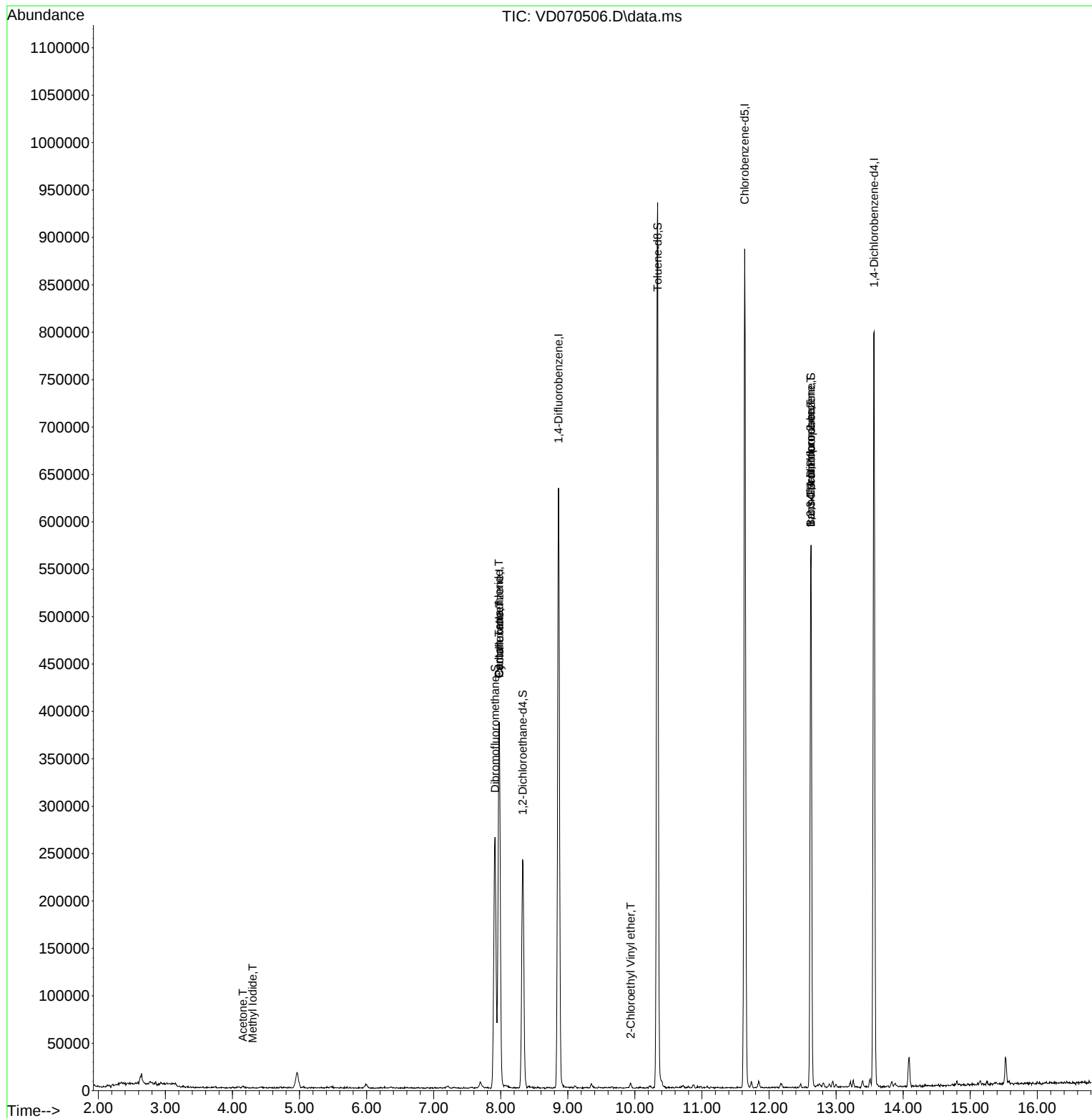
Internal Standards						
1) Pentafluorobenzene	7.979	168	272719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	546705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	532830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	219833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	188131	53.724	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.440%	
35) Dibromofluoromethane	7.914	113	195326	50.193	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.380%	
50) Toluene-d8	10.338	98	653173	46.229	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.460%	
62) 4-Bromofluorobenzene	12.626	95	204112	41.335	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	653	Below Cal		80
3) Chloromethane	2.209	50	1135	Below Cal	#	73
5) Bromomethane	2.791	94	1397	Below Cal	#	67
6) Chloroethane	2.915	64	344	Below Cal	#	1
10) Methyl Iodide	4.303	142	206	1.089	ug/l #	81
16) Acetone	4.156	43	1633	2.612	ug/l	93
18) Methyl Acetate	4.715	43	1124	Below Cal	#	48
20) Methylene Chloride	4.968	84	13003	Below Cal	#	82
31) Cyclohexane	7.979	56	7297	1.210	ug/l #	1
38) Carbon Tetrachloride	7.973	117	30779	5.326	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.938	63	2353	1.405	ug/l	97
71) Bromoform	12.620	173	2207	1.105	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	95778	43.073	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	95778	107.922	ug/l #	17

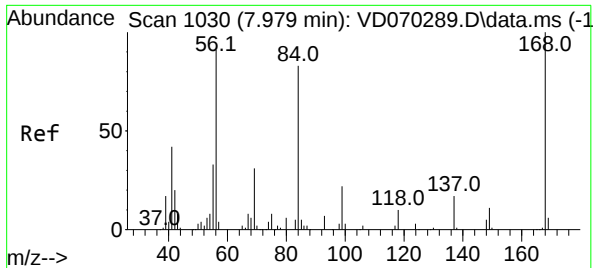
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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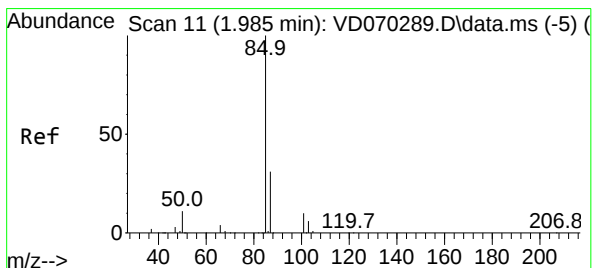
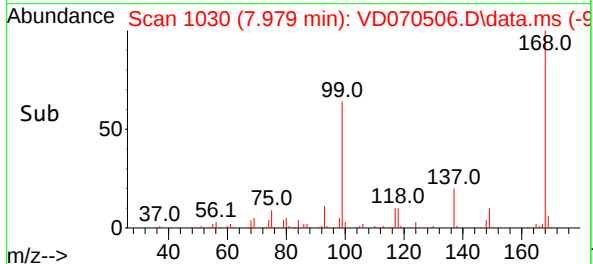
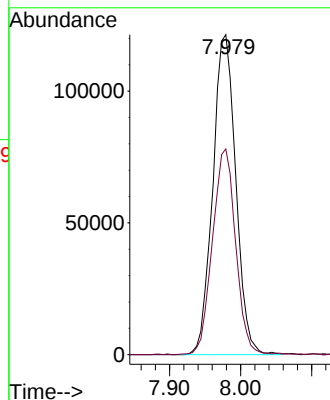
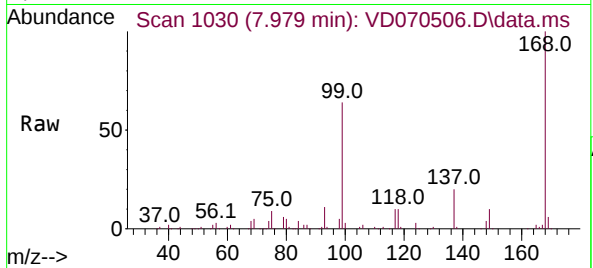




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

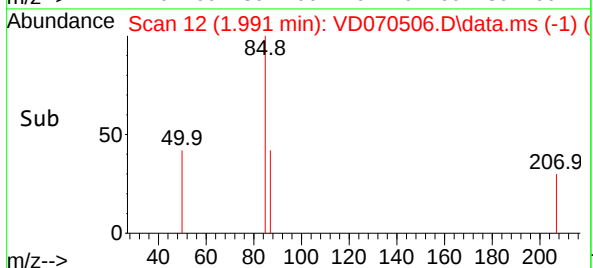
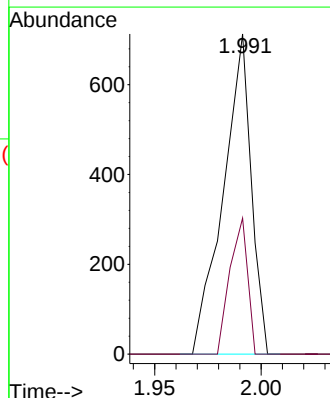
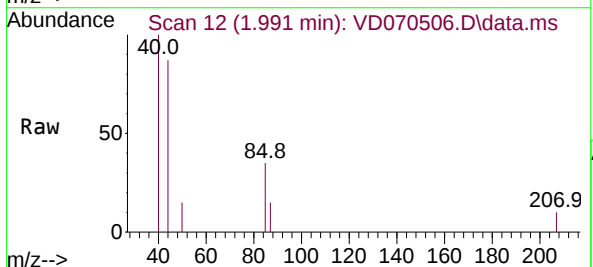
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

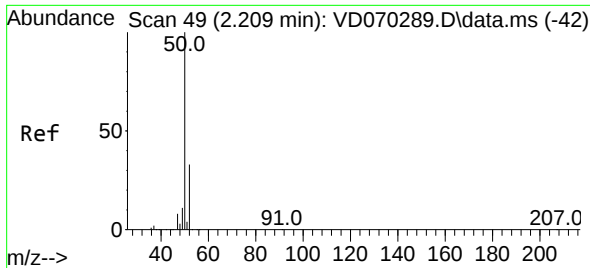
Tgt Ion:168 Resp: 272719
Ion Ratio Lower Upper
168 100
99 64.1 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Tgt Ion: 85 Resp: 653
Ion Ratio Lower Upper
85 100
87 42.5 15.6 46.8

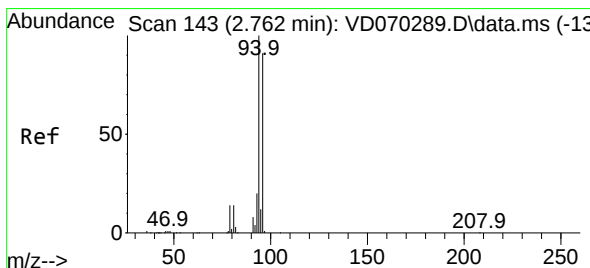
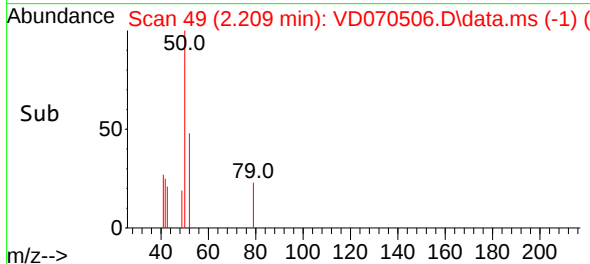
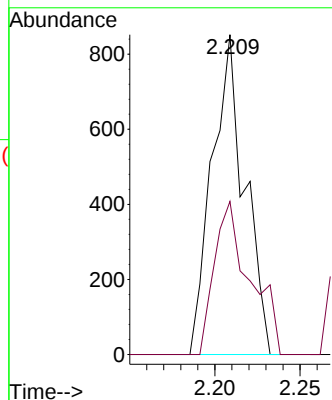
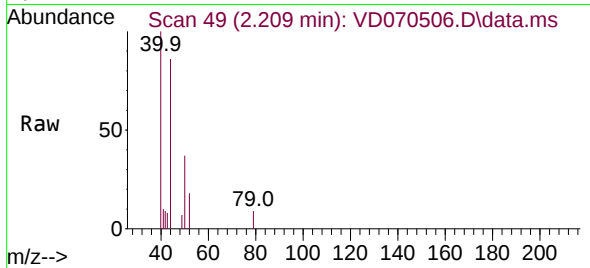




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

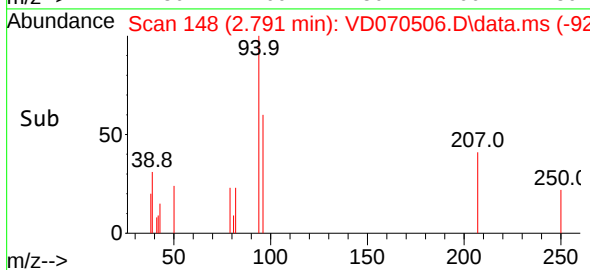
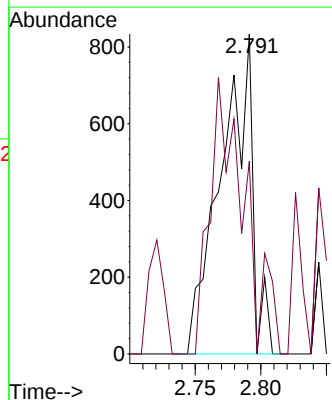
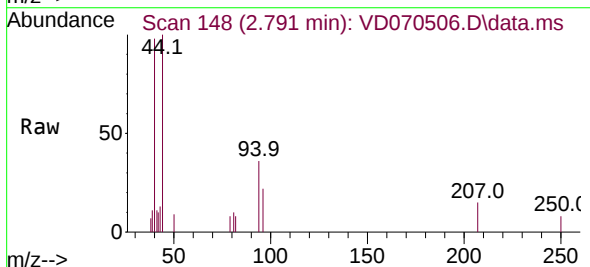
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

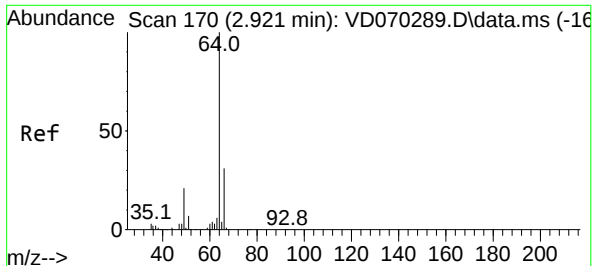
Tgt Ion: 50 Resp: 1135
Ion Ratio Lower Upper
50 100
52 47.9 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Tgt Ion: 94 Resp: 1397
Ion Ratio Lower Upper
94 100
96 60.2 73.0 109.6#

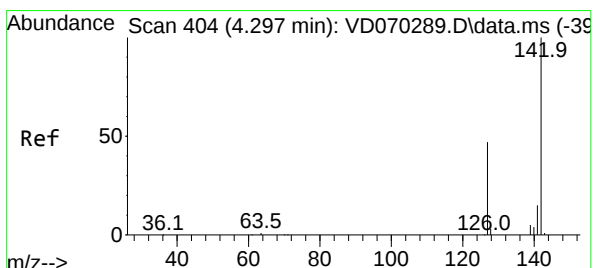
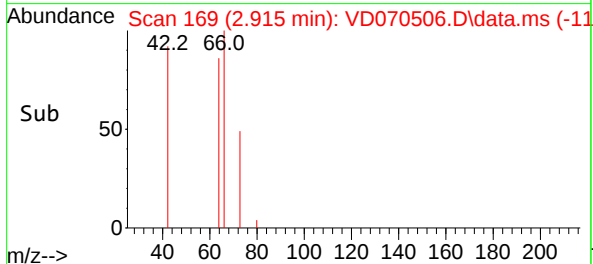
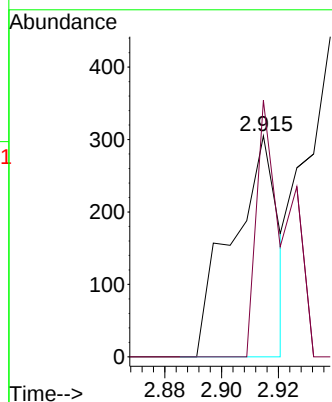
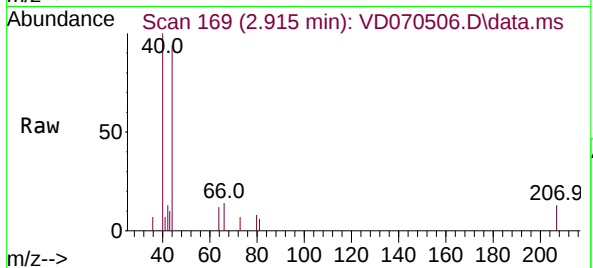




#6
Chloroethane
Concen: Below Cal
RT: 2.915 min Scan# 169
Delta R.T. -0.006 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

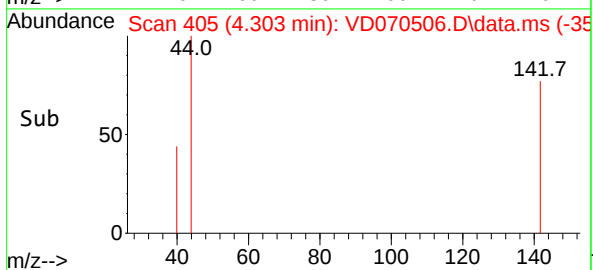
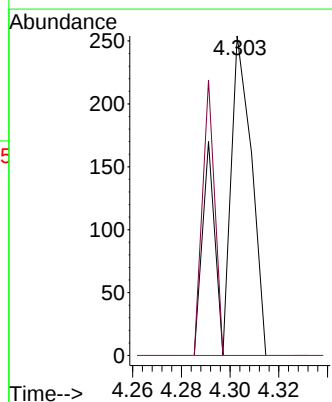
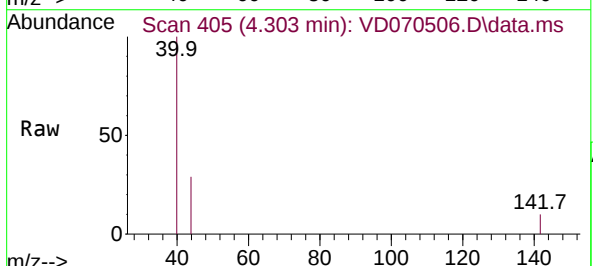
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

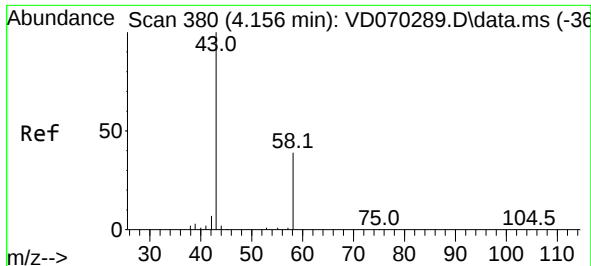
Tgt Ion: 64 Resp: 344
Ion Ratio Lower Upper
64 100
66 116.1 25.0 37.4#



#10
Methyl Iodide
Concen: 1.089 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Tgt Ion: 142 Resp: 206
Ion Ratio Lower Upper
142 100
127 37.4 36.9 55.3
141 0.0 11.8 17.6#

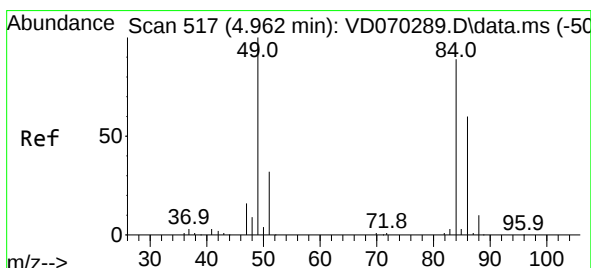
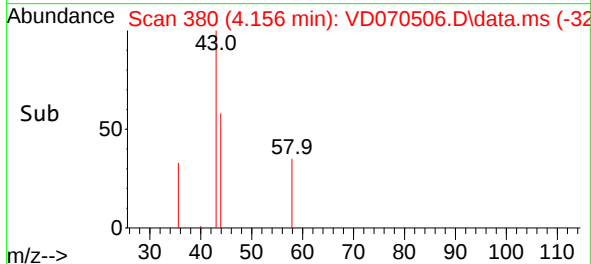
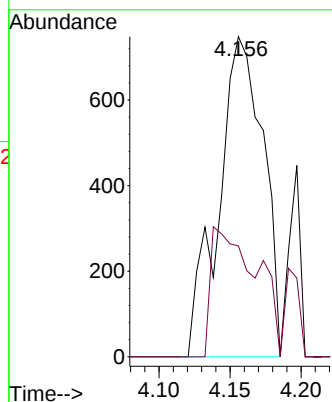
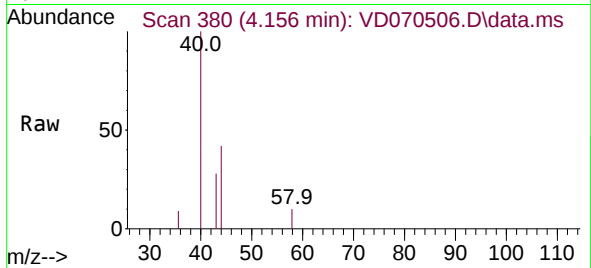




#16
Acetone
Concen: 2.612 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

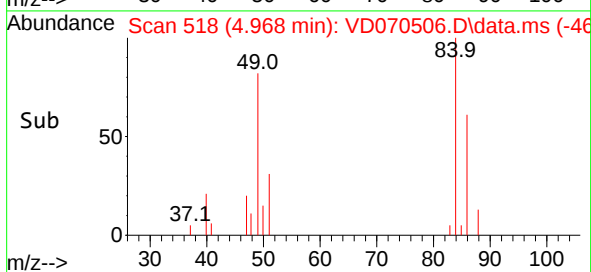
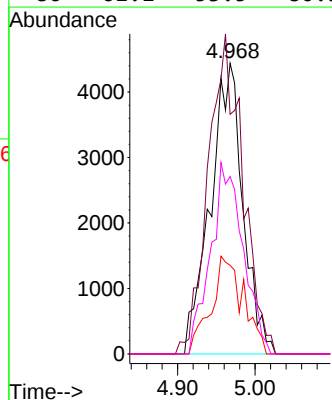
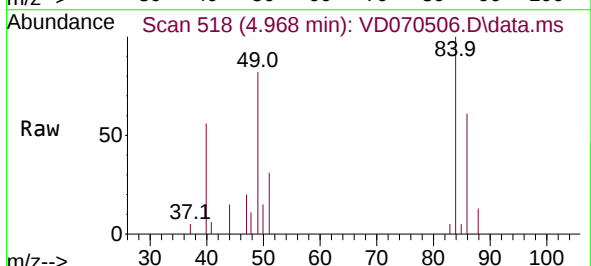
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

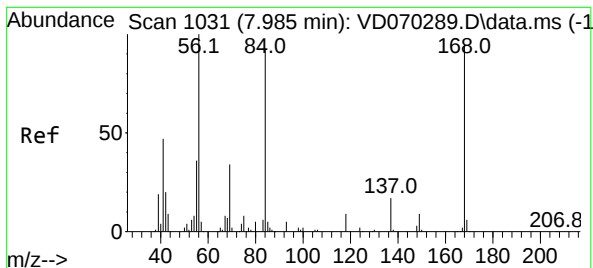
Tgt Ion: 43 Resp: 1633
Ion Ratio Lower Upper
43 100
58 34.6 30.9 46.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Tgt Ion: 84 Resp: 13003
Ion Ratio Lower Upper
84 100
49 82.5 89.6 134.4#
51 30.5 28.6 43.0
86 61.1 53.5 80.3





#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070506.D

Acq: 28 Sep 2021 16:55

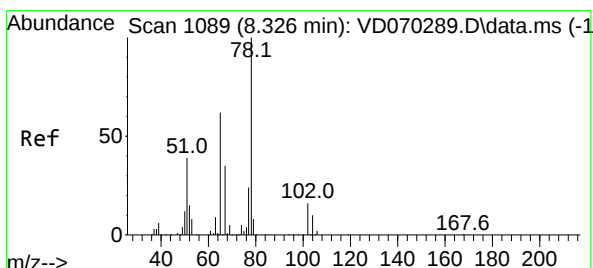
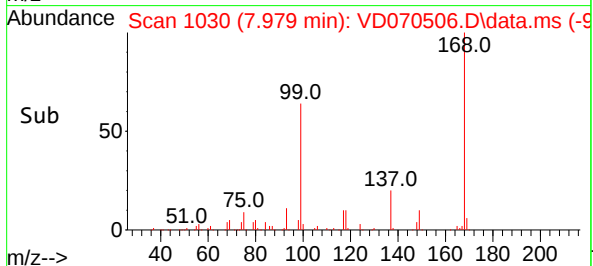
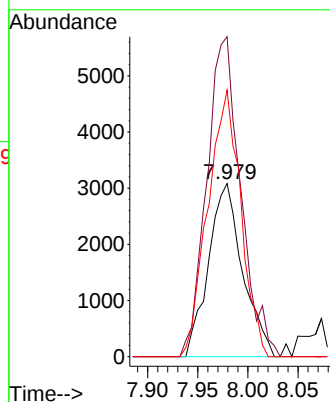
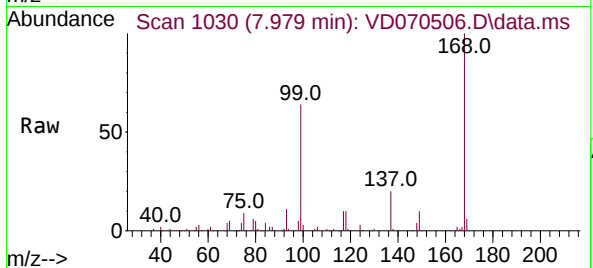
Instrument :

MSVOA_D

ClientSampleId :

VIBLK

Tgt Ion:	56	Resp:	7297
Ion	Ratio	Lower	Upper
56	100		
69	184.9	26.9	40.3#
84	154.0	73.6	110.4#



#33

1,2-Dichloroethane-d4

Concen: 53.724 ug/l

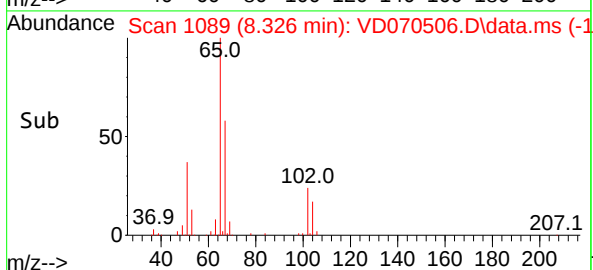
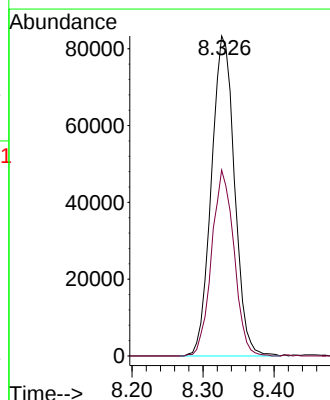
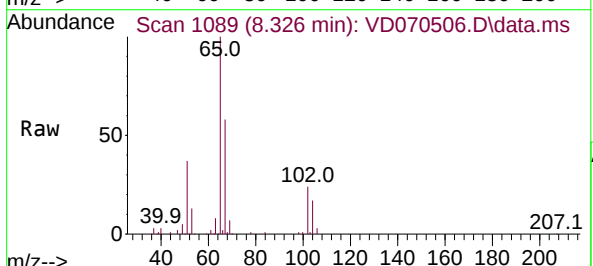
RT: 8.326 min Scan# 1089

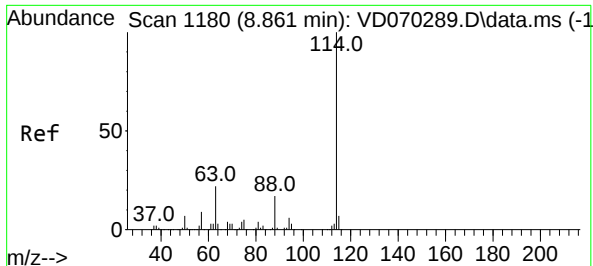
Delta R.T. 0.000 min

Lab File: VD070506.D

Acq: 28 Sep 2021 16:55

Tgt Ion:	65	Resp:	188131
Ion	Ratio	Lower	Upper
65	100		
67	56.2	0.0	111.4



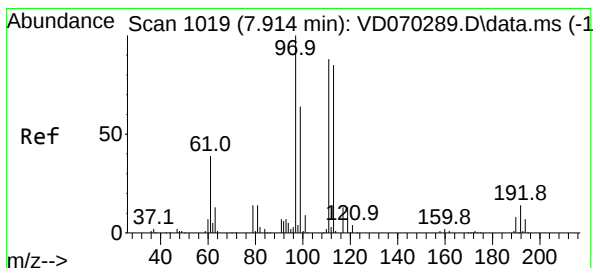
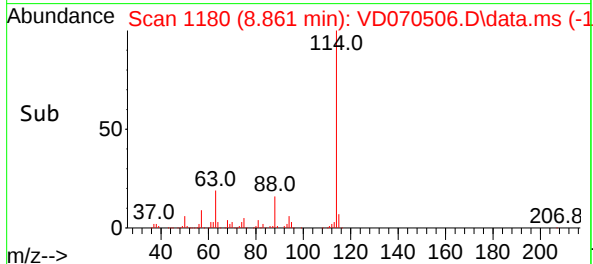
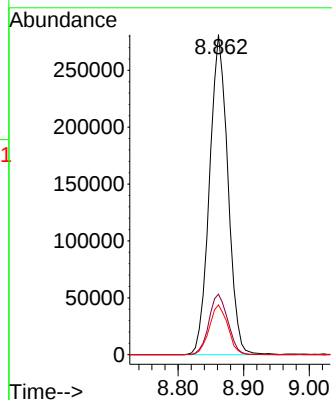
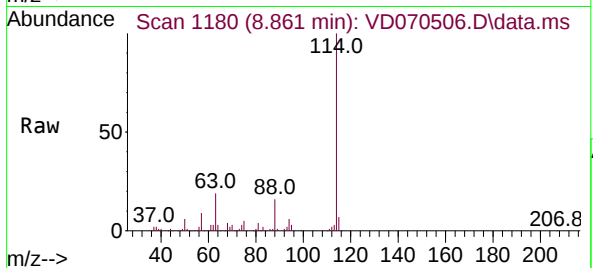


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Instrument :
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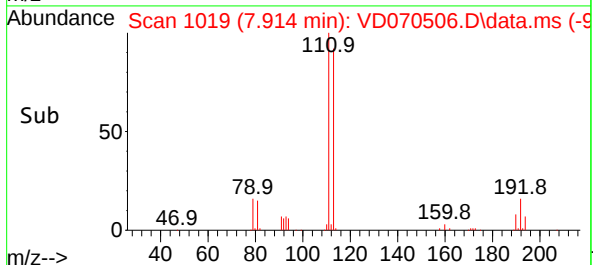
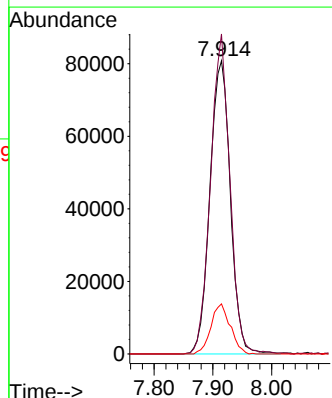
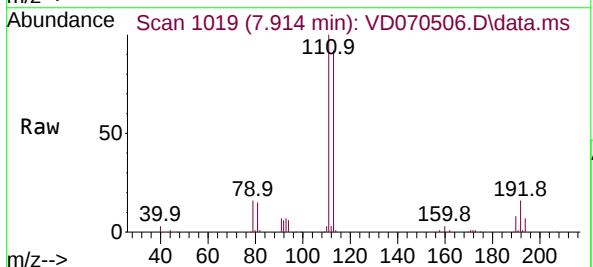
Tgt Ion:	114	Resp:	546705
Ion Ratio	Lower	Upper	
114	100		
63	18.9	0.0	43.4
88	15.5	0.0	33.4

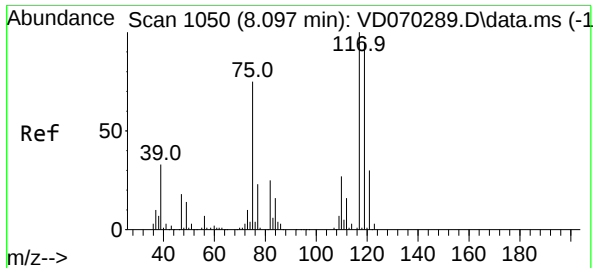


#35

Dibromofluoromethane
Concen: 50.193 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Tgt Ion:	113	Resp:	195326
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.4	122.2
192	16.2	13.0	19.6

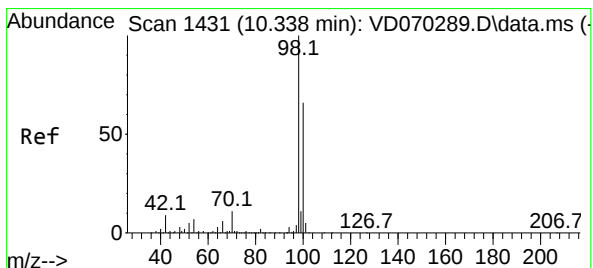
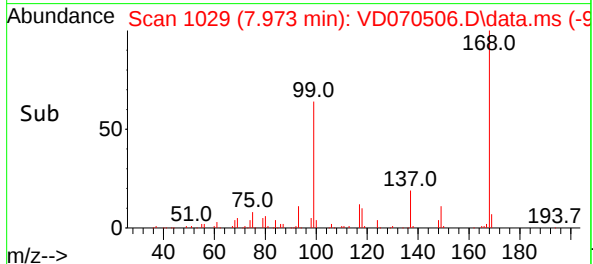
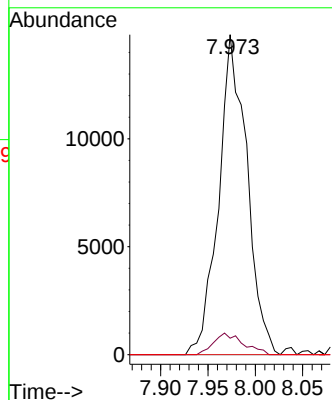
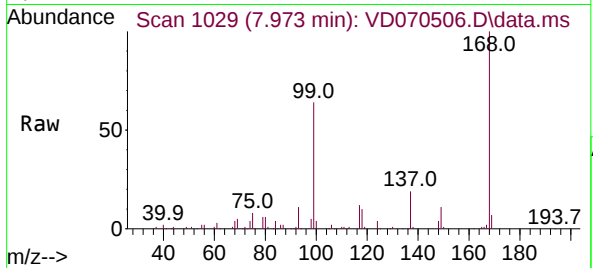




#38
Carbon Tetrachloride
Concen: 5.326 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

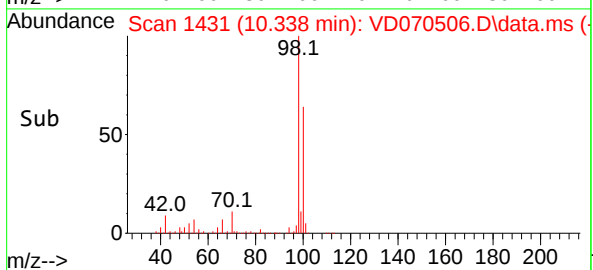
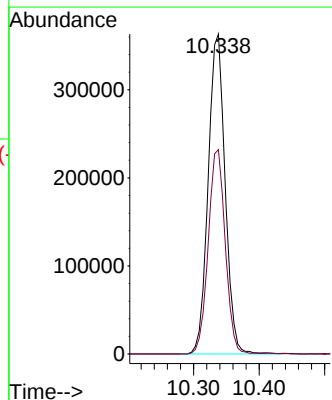
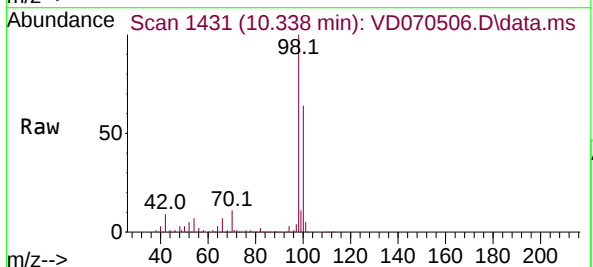
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

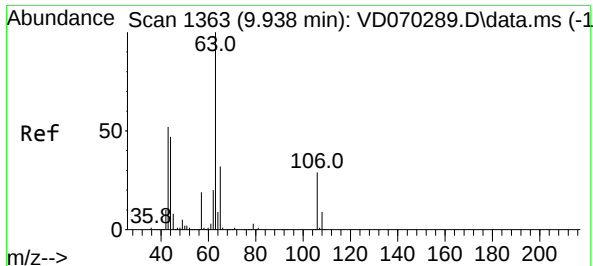
Tgt Ion:117 Resp: 30779
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 46.229 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Tgt Ion: 98 Resp: 653173
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

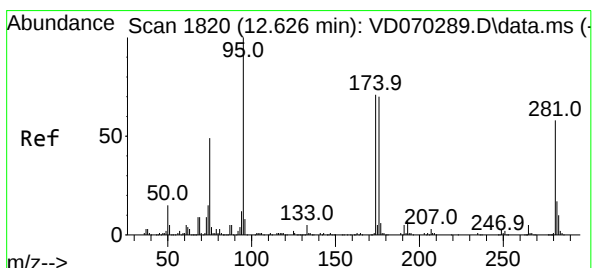
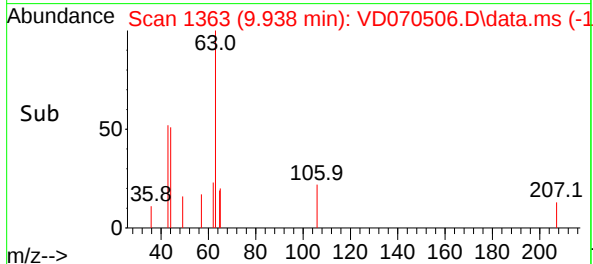
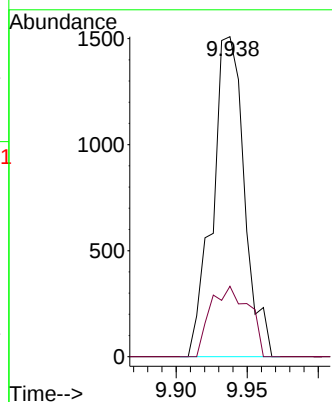
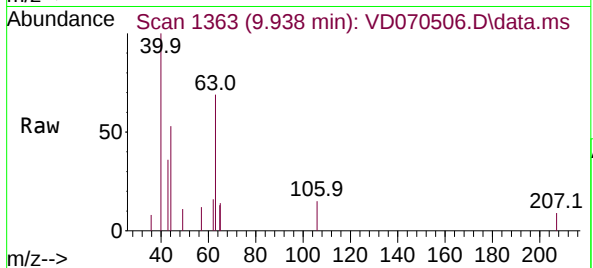




#58
2-Chloroethyl Vinyl ether
Concen: 1.405 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

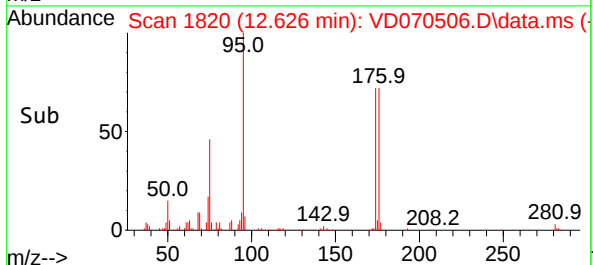
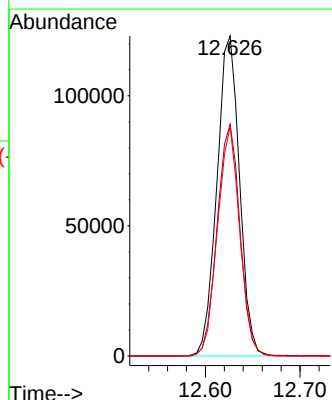
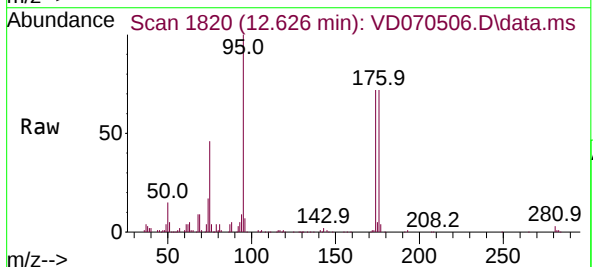
Instrument :
MSVOA_D
ClientSampled :
VIBLK

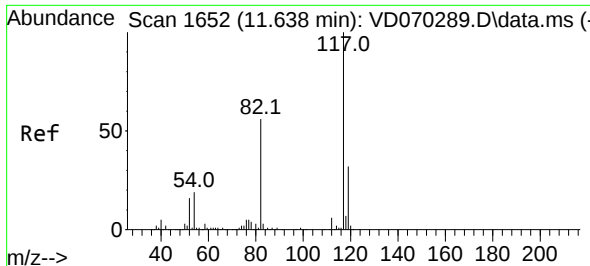
Tgt Ion: 63 Resp: 2353
Ion Ratio Lower Upper
63 100
106 26.5 22.3 33.5



#62
4-Bromofluorobenzene
Concen: 41.335 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Tgt Ion: 95 Resp: 204112
Ion Ratio Lower Upper
95 100
174 72.8 0.0 140.6
176 70.0 0.0 137.4

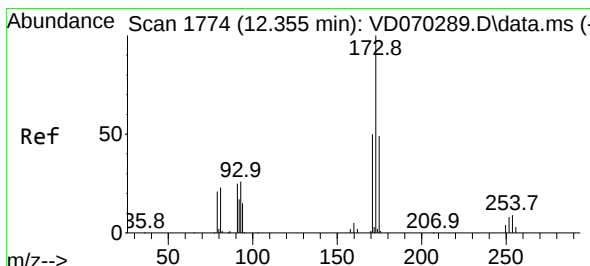
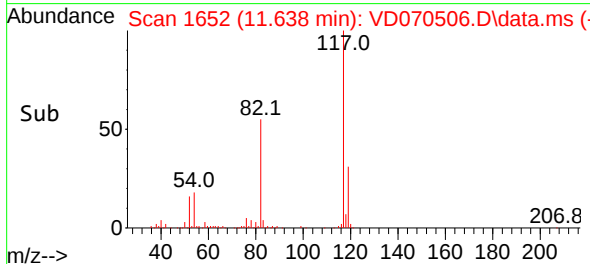
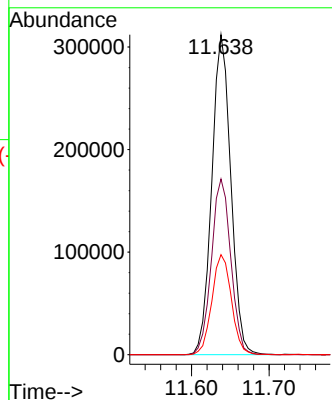
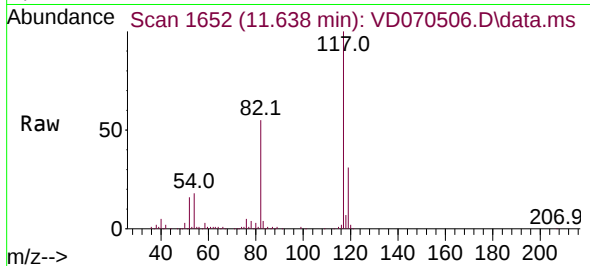




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

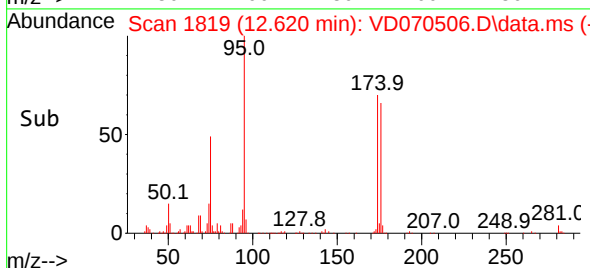
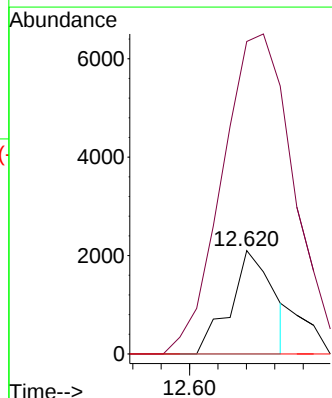
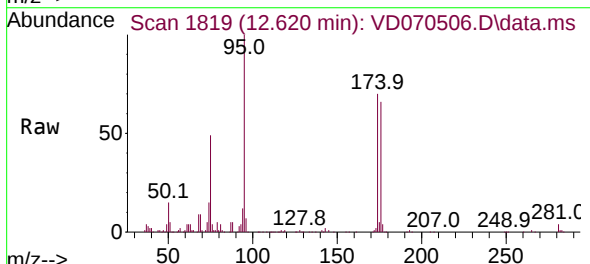
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

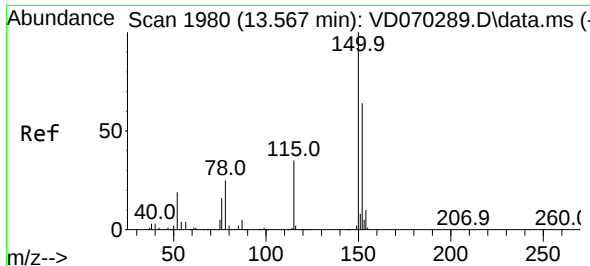
Tgt Ion:	117	Resp:	532830
Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.0	67.4
119	31.2	25.2	37.8



#71
Bromoform
Concen: 1.105 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Tgt Ion:	173	Resp:	2207
Ion	Ratio	Lower	Upper
173	100		
175	428.5	25.1	75.2#
254	0.0	0.1	0.1#

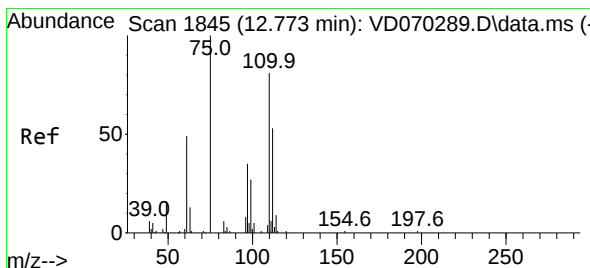
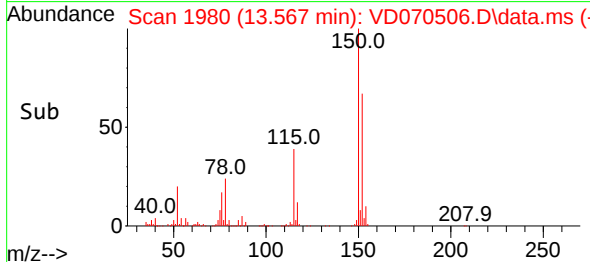
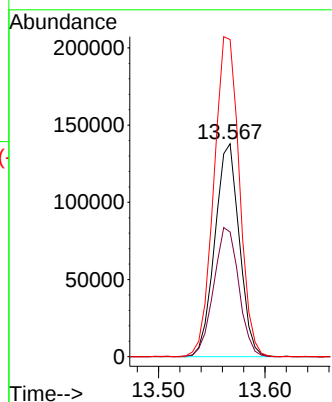
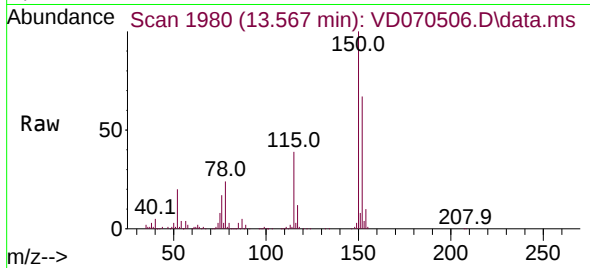




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

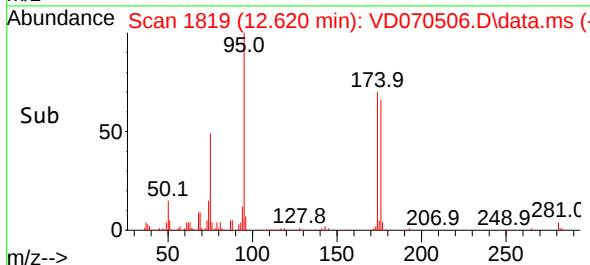
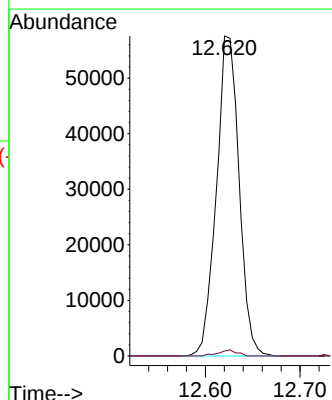
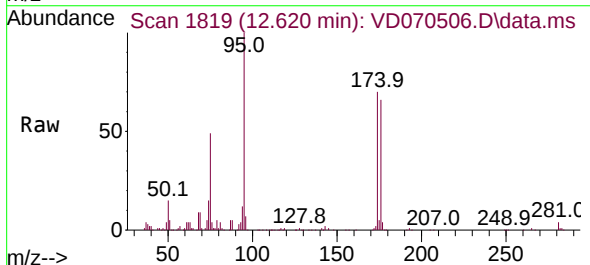
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

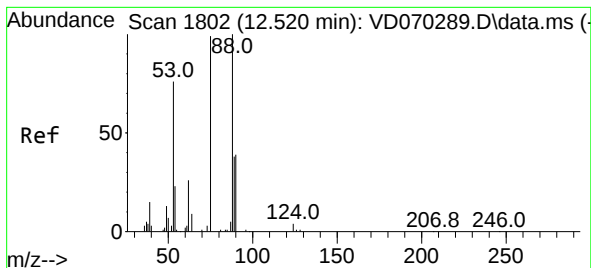
Tgt Ion:152 Resp: 219833
Ion Ratio Lower Upper
152 100
115 62.4 32.1 96.3
150 156.0 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 43.073 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070506.D
Acq: 28 Sep 2021 16:55

Tgt Ion: 75 Resp: 95778
Ion Ratio Lower Upper
75 100
77 1.6 174.9 524.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 107.922 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.100 min

Lab File: VD070506.D

Acq: 28 Sep 2021 16:55

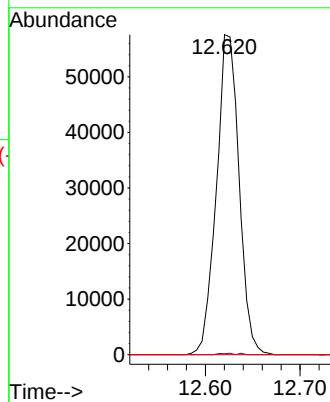
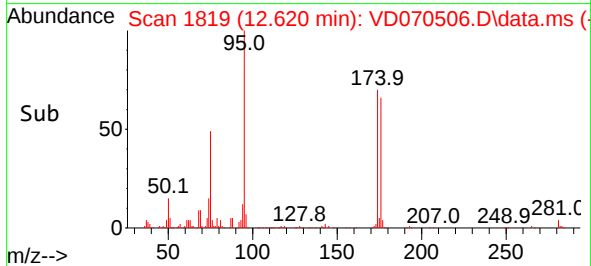
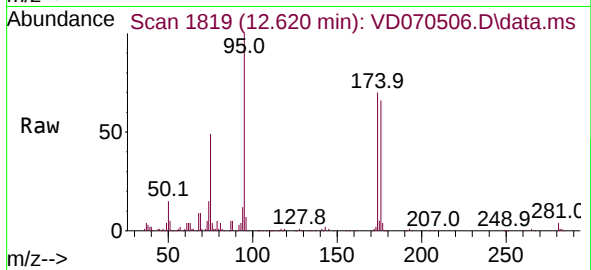
Tgt Ion: 75 Resp: 95778

Ion Ratio Lower Upper

75 100

53 0.3 64.2 96.2#

89 0.0 35.6 53.4#



Instrument :
MSVOA_D
ClientSampleId :
VIBLK