

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070522.D
 Acq On : 29 Sep 2021 14:50
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Sep 30 00:45:25 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)

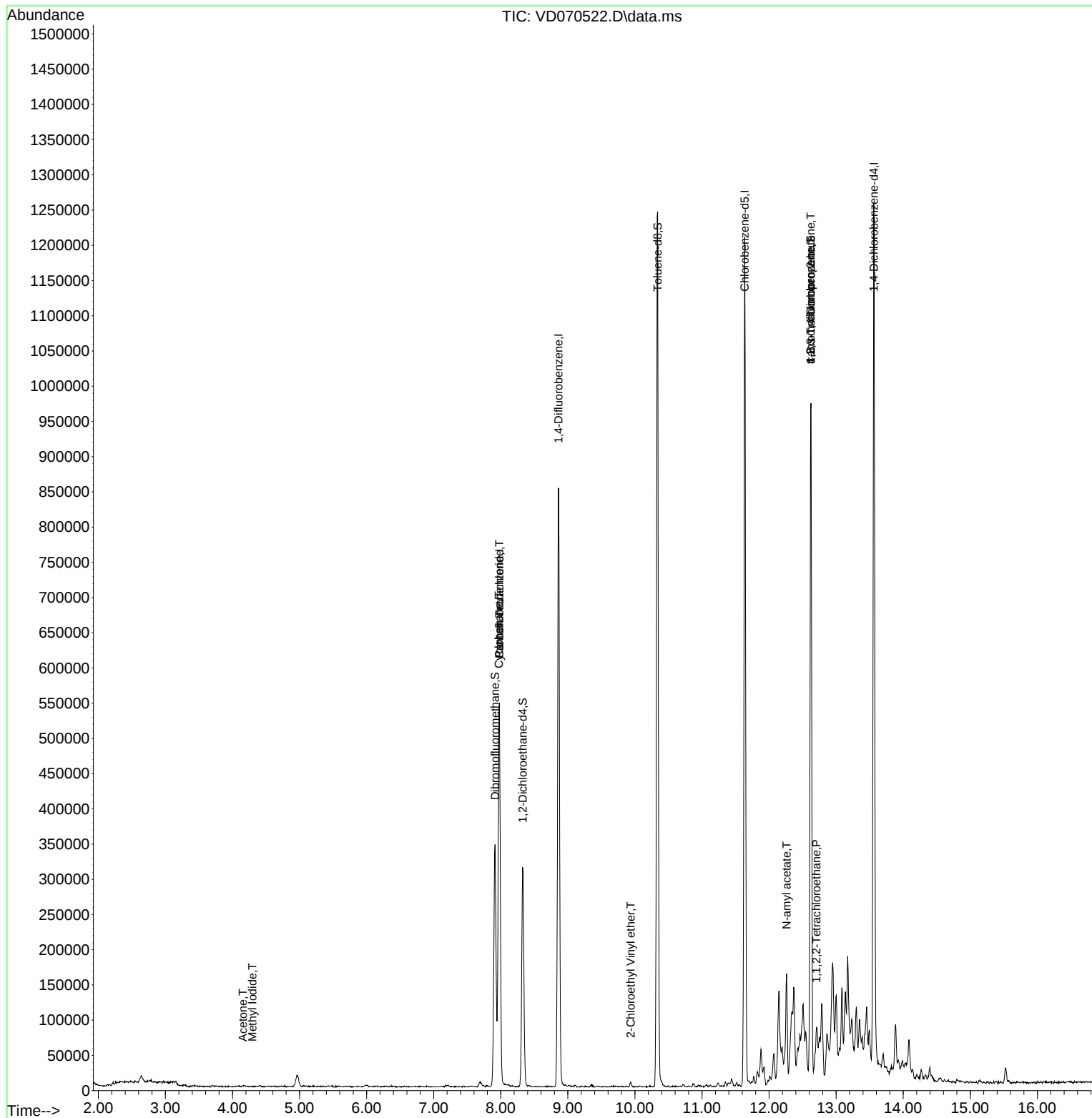
Internal Standards						
1) Pentafluorobenzene	7.979	168	380806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	725192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	688928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	325317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	244213	49.945	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.900%
35) Dibromofluoromethane	7.914	113	250537	48.535	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.060%
50) Toluene-d8	10.338	98	869937	46.416	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.840%
62) 4-Bromofluorobenzene	12.620	95	338112	51.619	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.240%
Target Compounds						
2) Dichlorodifluoromethane	1.997	85	720	Below Cal	#	43
3) Chloromethane	2.209	50	1010	Below Cal	#	70
5) Bromomethane	2.779	94	1499	Below Cal	#	50
6) Chloroethane	2.938	64	488	Below Cal	#	43
10) Methyl Iodide	4.297	142	69	1.043	ug/l #	39
16) Acetone	4.156	43	1972	2.259	ug/l	91
18) Methyl Acetate	4.703	43	320	Below Cal	#	48
20) Methylene Chloride	4.961	84	14155	Below Cal		95
31) Cyclohexane	7.973	56	9001	1.069	ug/l #	15
38) Carbon Tetrachloride	7.979	117	41961	5.474	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.938	63	3019	1.359	ug/l	95
74) N-amyl acetate	12.261	43	26393	5.310	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.708	83	6308	1.291	ug/l #	39
76) 1,2,3-Trichloropropane	12.620	75	165107	50.175	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	165107	125.718	ug/l #	18

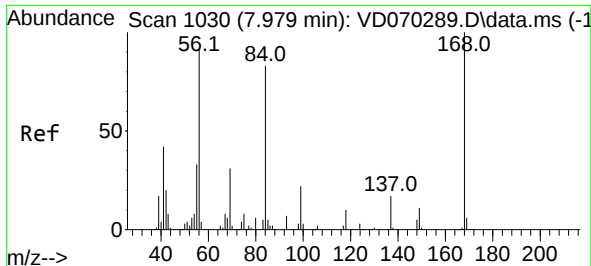
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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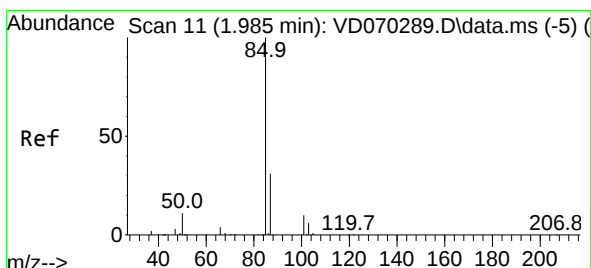
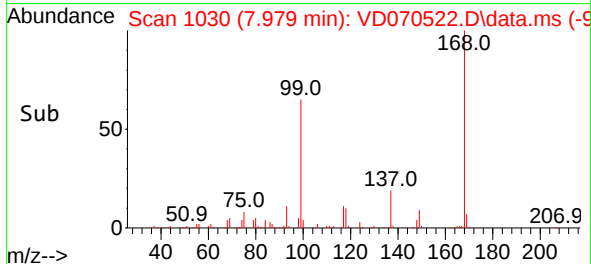
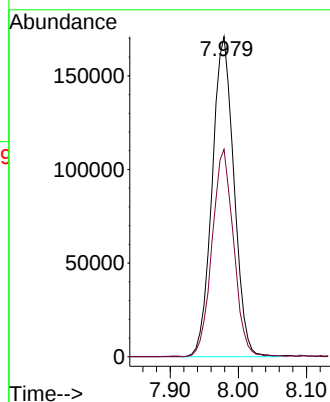
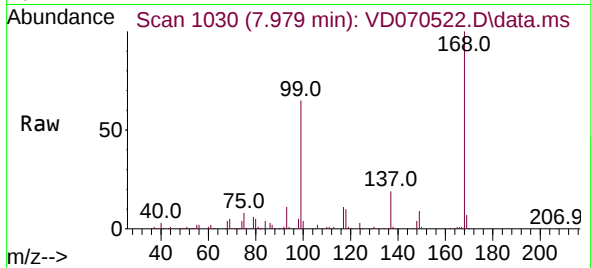




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

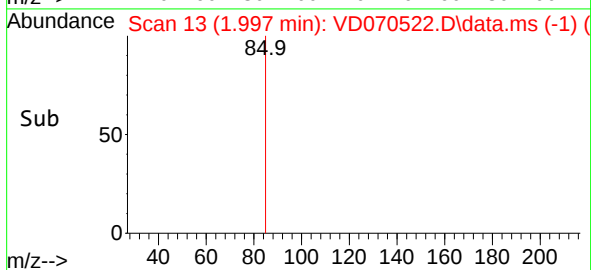
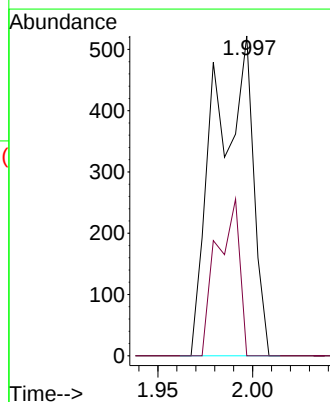
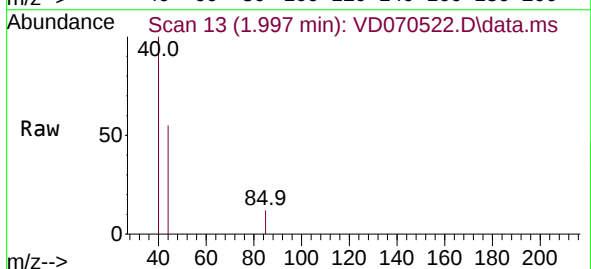
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 380806
Ion Ratio Lower Upper
168 100
99 64.6 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.012 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

Tgt Ion: 85 Resp: 720
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

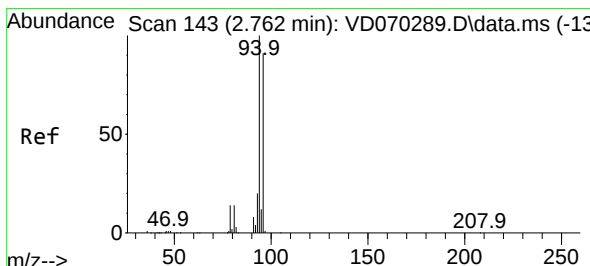
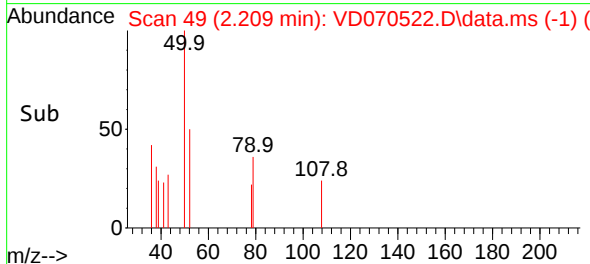
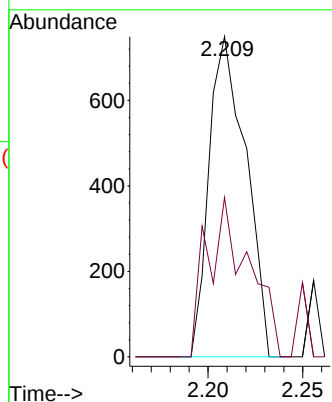
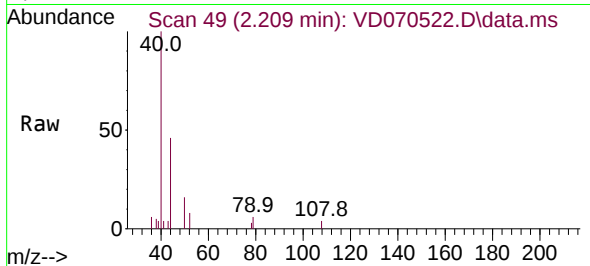




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

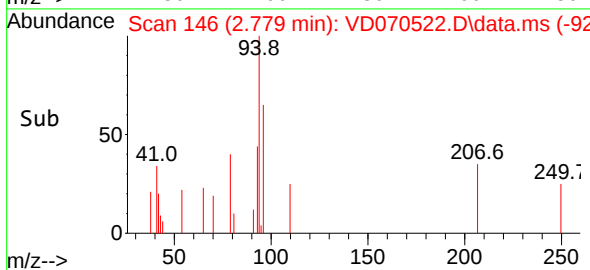
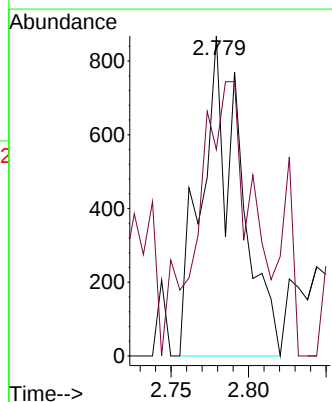
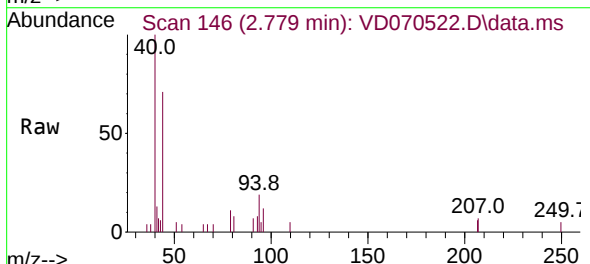
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

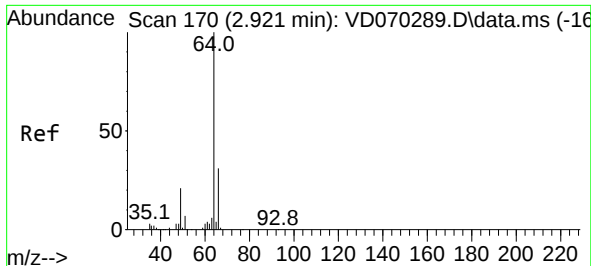
Tgt Ion: 50 Resp: 1010
Ion Ratio Lower Upper
50 100
52 49.8 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

Tgt Ion: 94 Resp: 1499
Ion Ratio Lower Upper
94 100
96 43.9 73.0 109.6#

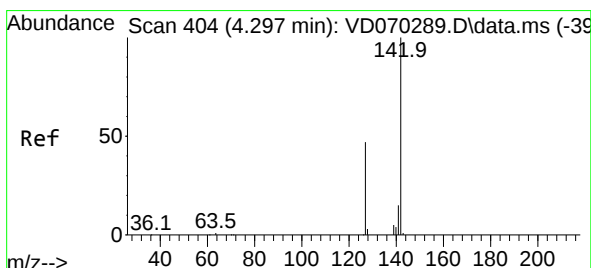
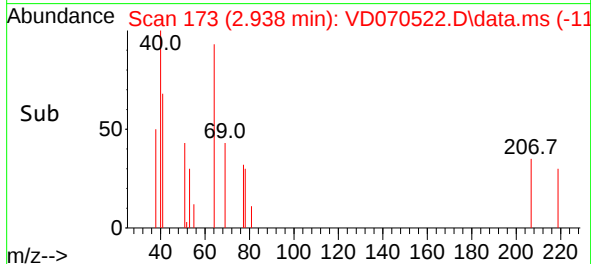
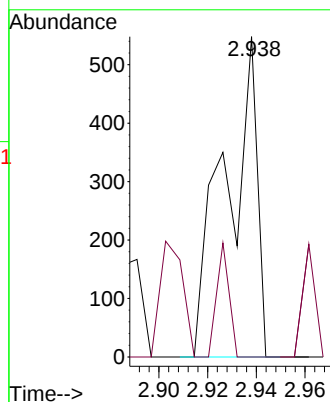
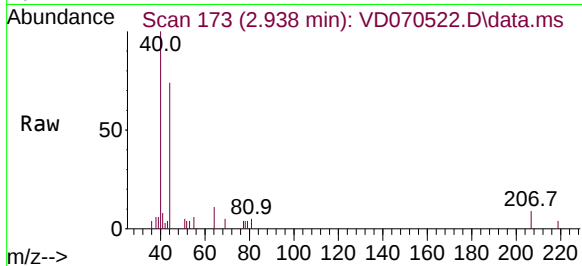




#6
Chloroethane
Concen: Below Cal
RT: 2.938 min Scan# 173
Delta R.T. 0.017 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

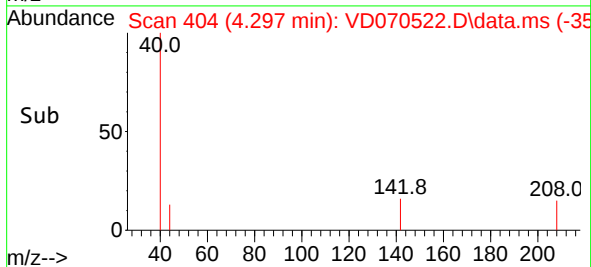
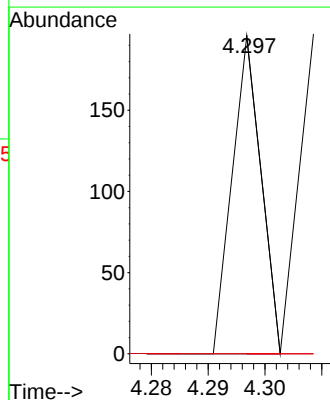
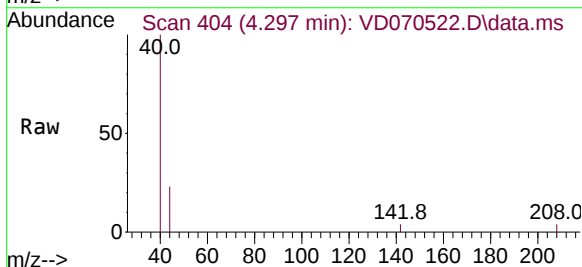
Instrument :
MSVOA_D
ClientSampled :
VIBLK

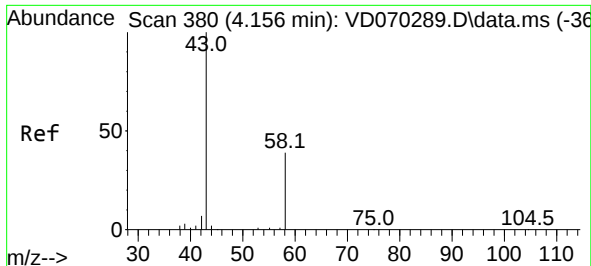
Tgt Ion: 64 Resp: 488
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.043 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

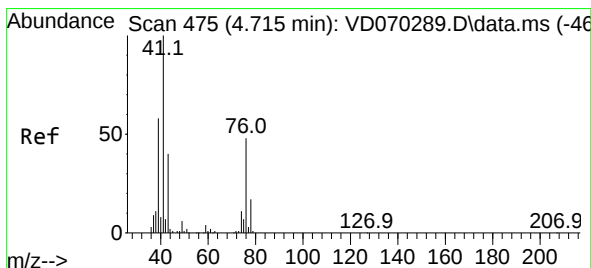
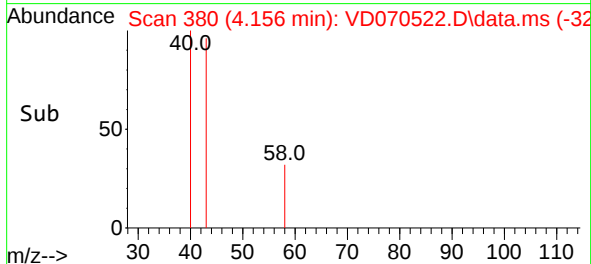
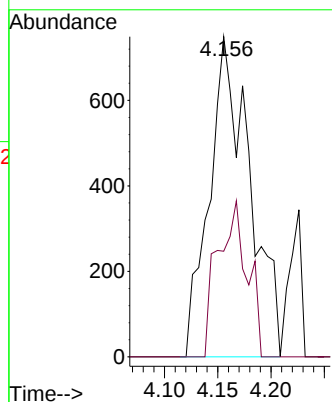
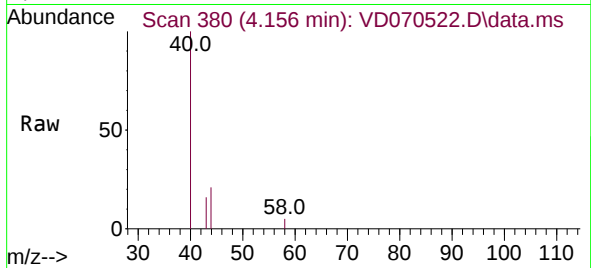




#16
Acetone
Concen: 2.259 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

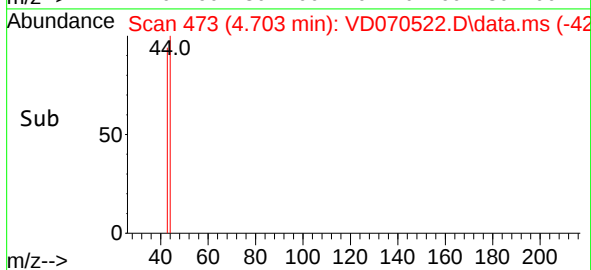
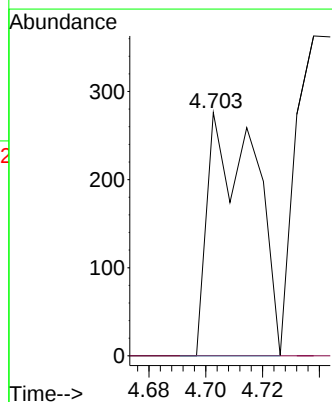
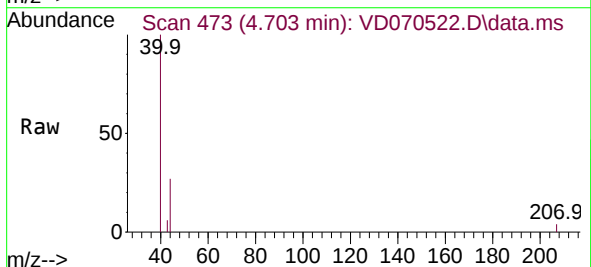
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

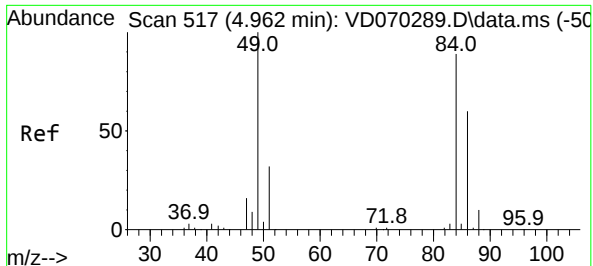
Tgt Ion: 43 Resp: 1972
Ion Ratio Lower Upper
43 100
58 33.0 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.012 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.961 min Scan# 517

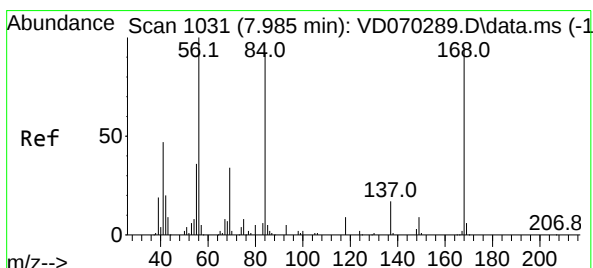
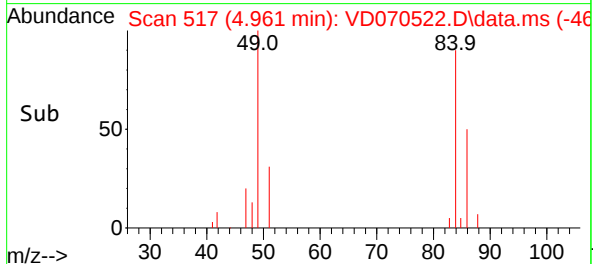
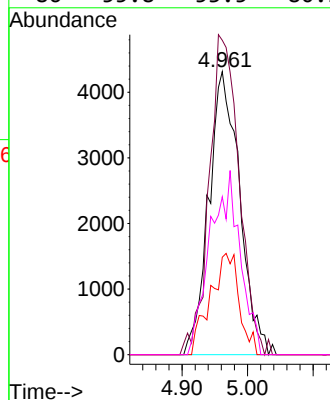
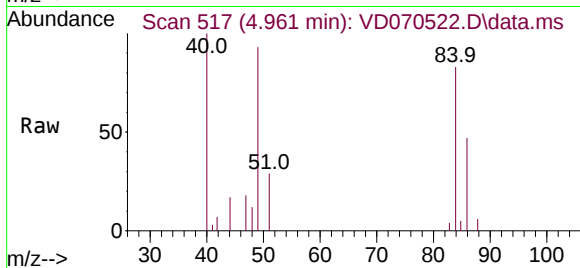
Delta R.T. -0.001 min

Lab File: VD070522.D

Acq: 29 Sep 2021 14:50

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:	84	Resp:	14155
Ion	Ratio	Lower	Upper
84	100		
49	111.1	89.6	134.4
51	34.4	28.6	43.0
86	55.8	53.5	80.3



#31

Cyclohexane

Concen: 1.069 ug/l

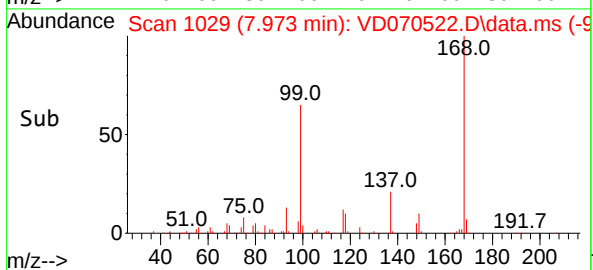
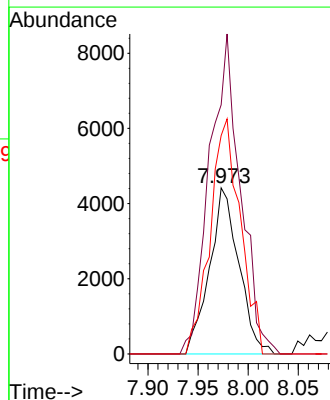
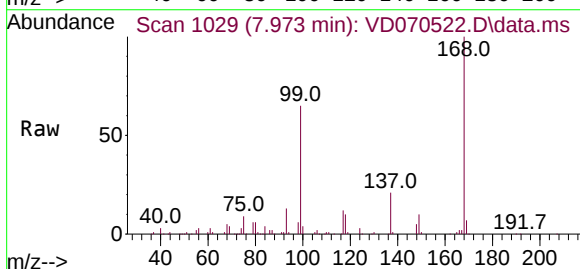
RT: 7.973 min Scan# 1029

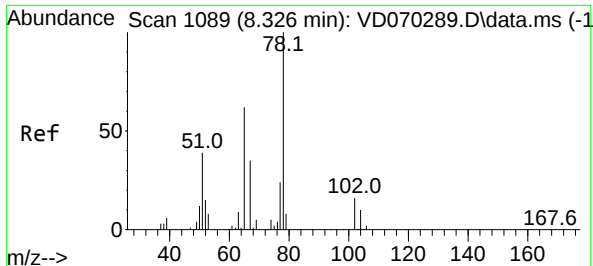
Delta R.T. -0.012 min

Lab File: VD070522.D

Acq: 29 Sep 2021 14:50

Tgt Ion:	56	Resp:	9001
Ion	Ratio	Lower	Upper
56	100		
69	150.1	26.9	40.3#
84	131.5	73.6	110.4#

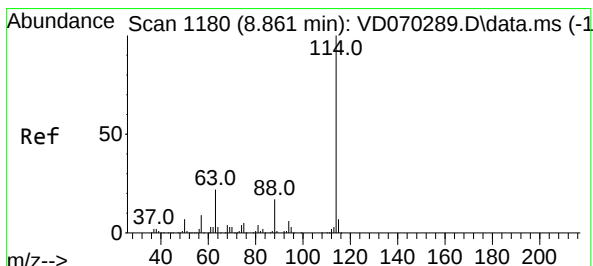
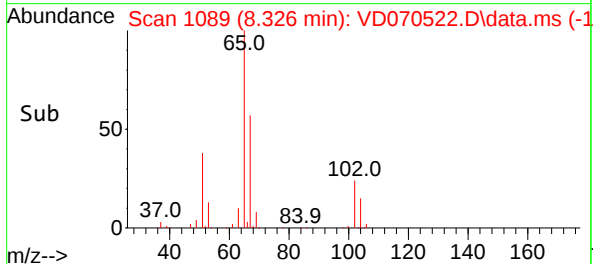
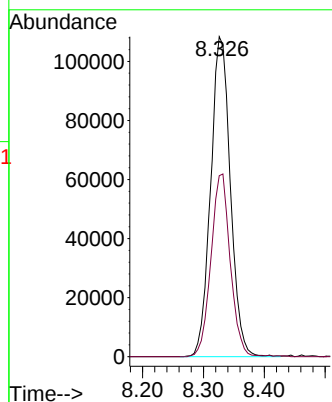
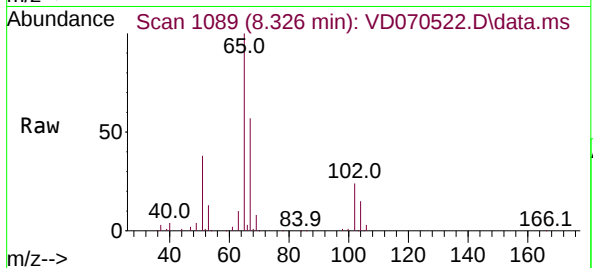




#33
1,2-Dichloroethane-d4
Concen: 49.945 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

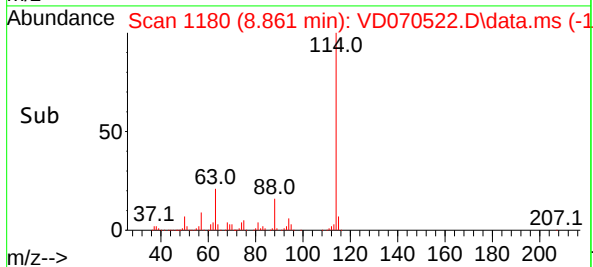
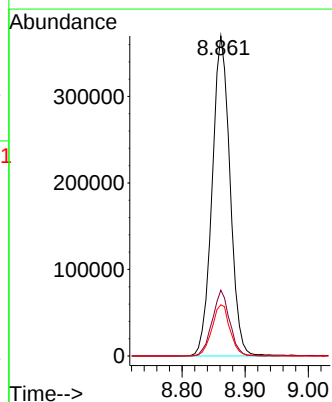
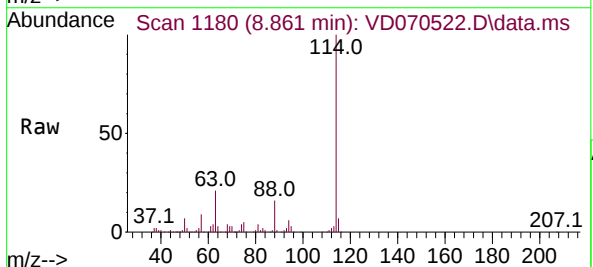
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

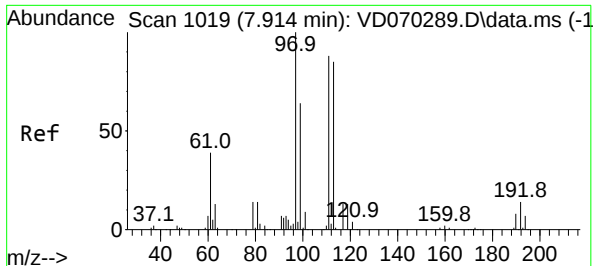
Tgt Ion: 65 Resp: 244213
Ion Ratio Lower Upper
65 100
67 55.7 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

Tgt Ion:114 Resp: 725192
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.4
88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.535 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070522.D

Acq: 29 Sep 2021 14:50

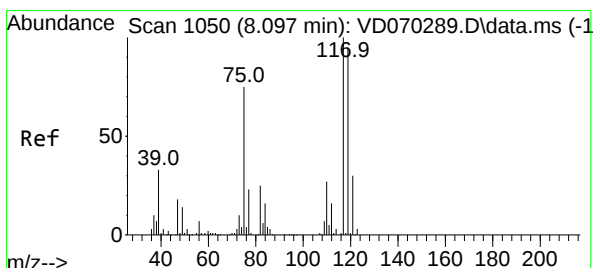
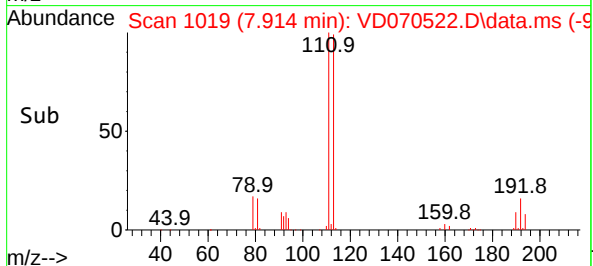
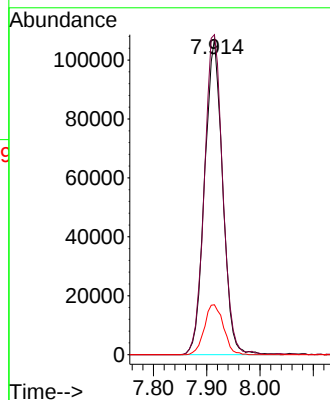
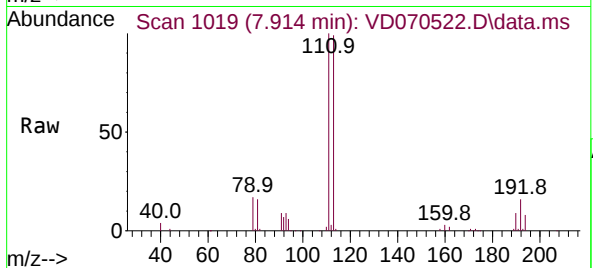
Instrument :

MSVOA_D

ClientSampleId :

VIBLK

Tgt Ion:	113	Resp:	250537
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.4	122.2
192	16.8	13.0	19.6



#38

Carbon Tetrachloride

Concen: 5.474 ug/l

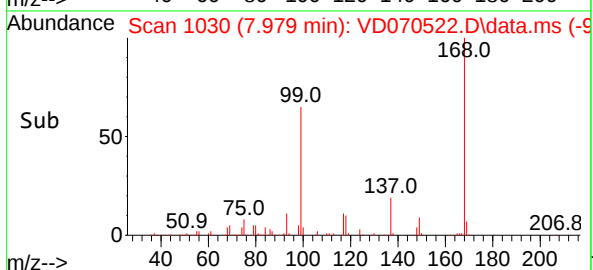
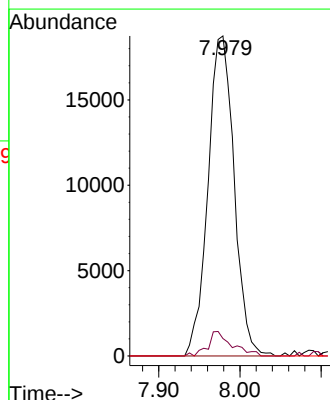
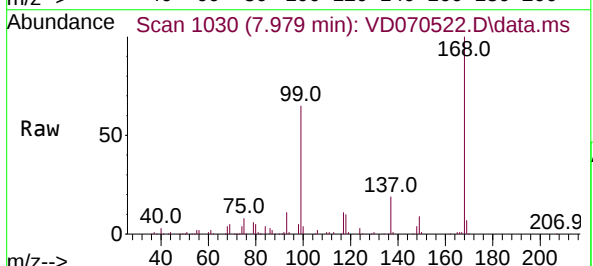
RT: 7.979 min Scan# 1030

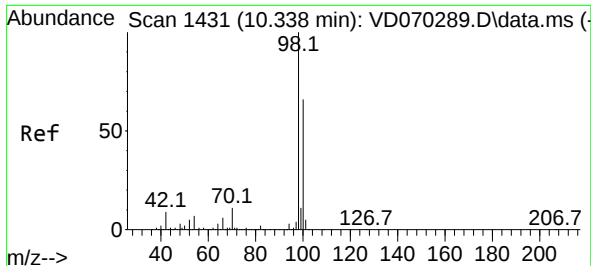
Delta R.T. -0.118 min

Lab File: VD070522.D

Acq: 29 Sep 2021 14:50

Tgt Ion:	117	Resp:	41961
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.1	114.1#
121	0.0	23.8	35.6#

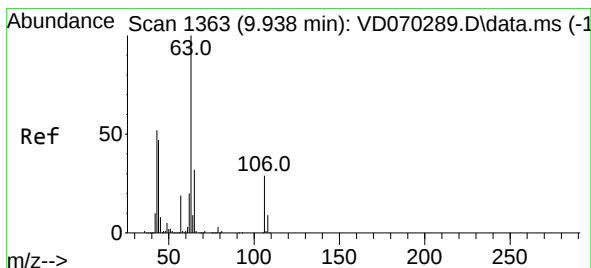
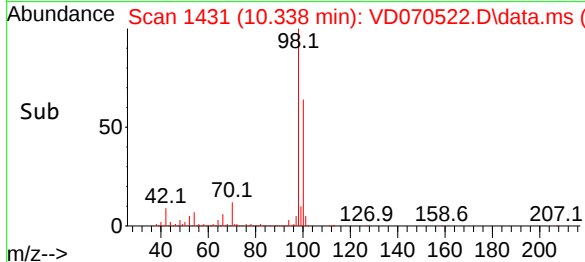
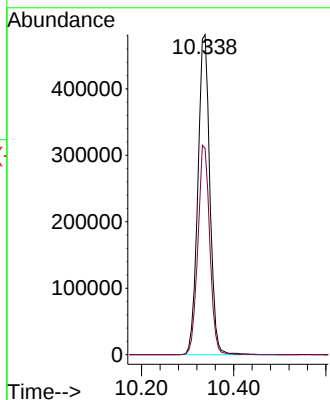
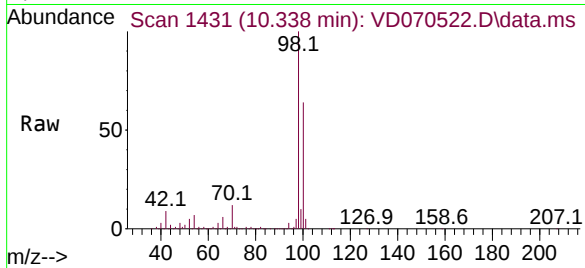




#50
Toluene-d8
Concen: 46.416 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

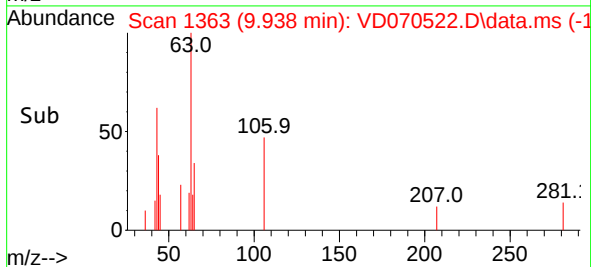
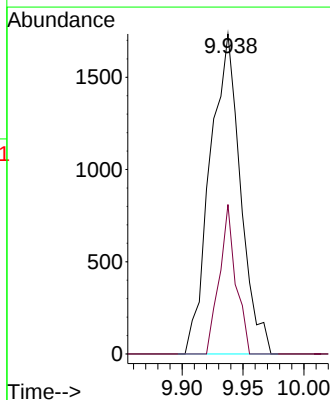
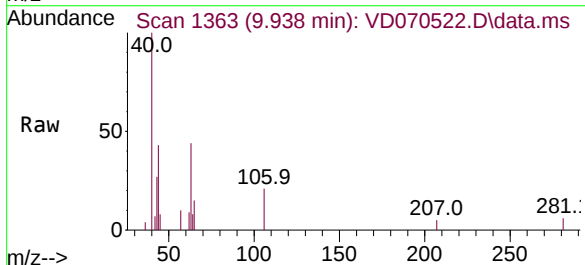
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

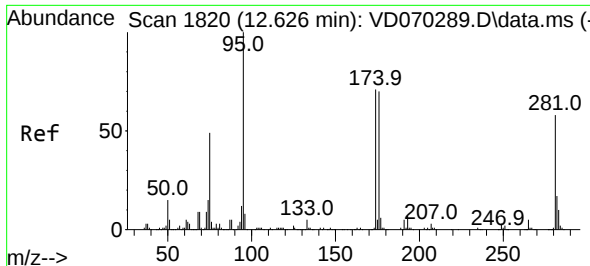
Tgt Ion: 98 Resp: 869937
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: 1.359 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

Tgt Ion: 63 Resp: 3019
Ion Ratio Lower Upper
63 100
106 25.2 22.3 33.5

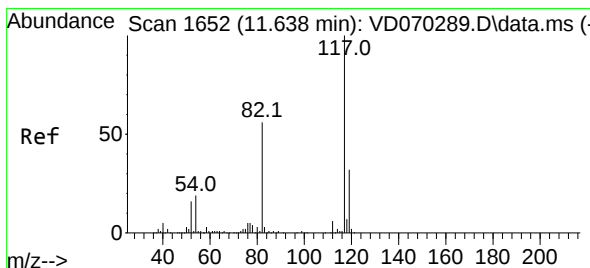
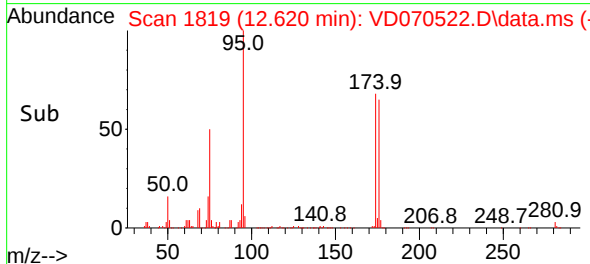
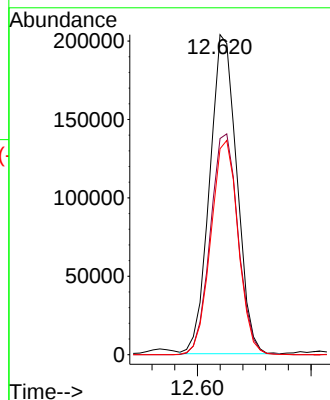
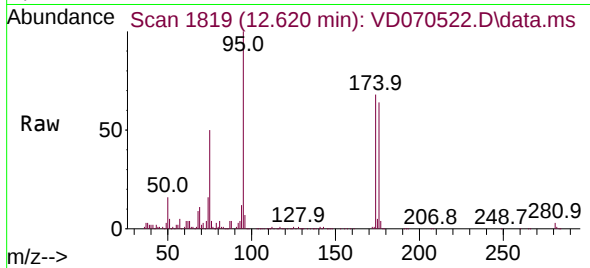




#62
4-Bromofluorobenzene
Concen: 51.619 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

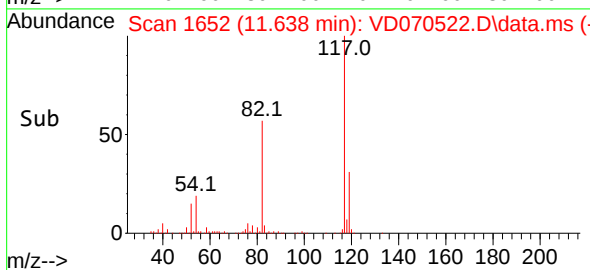
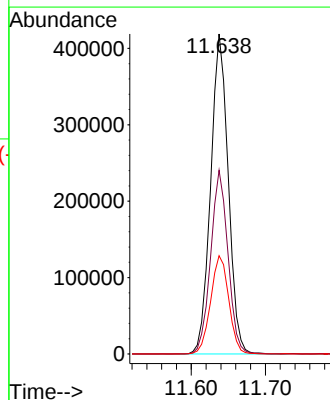
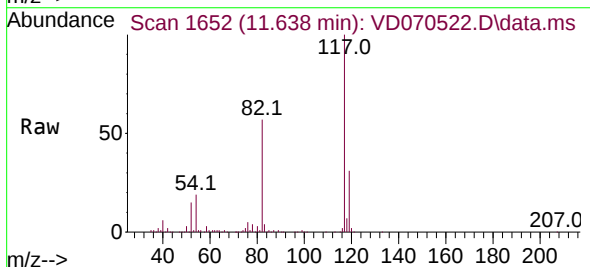
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

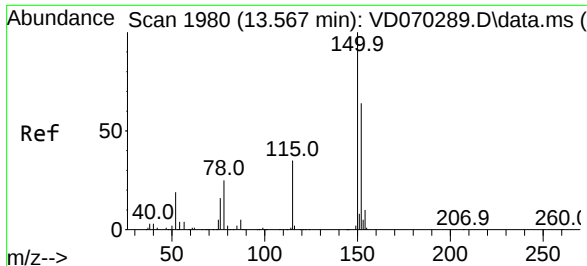
Tgt Ion: 95 Resp: 338112
Ion Ratio Lower Upper
95 100
174 70.8 0.0 140.6
176 67.5 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

Tgt Ion: 117 Resp: 688928
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 30.7 25.2 37.8

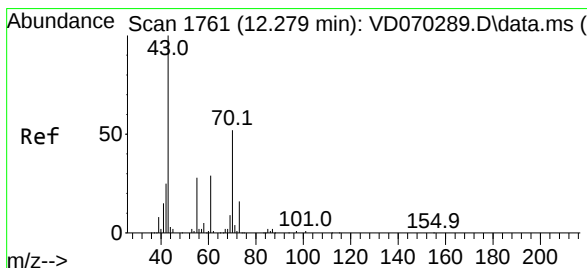
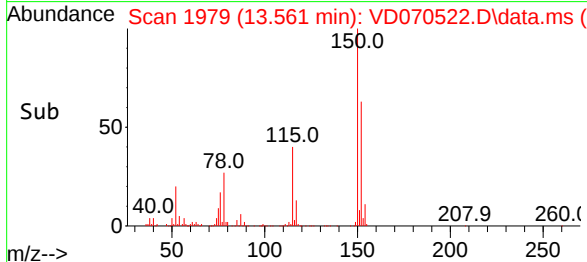
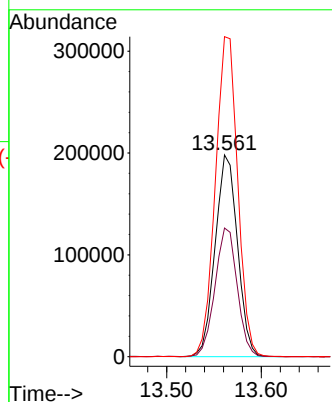
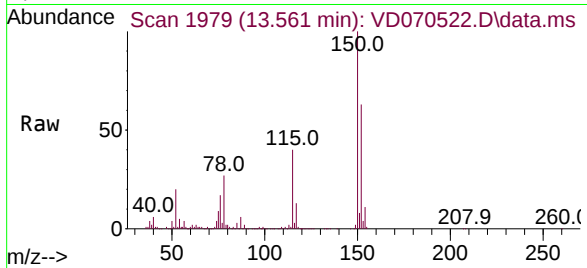




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

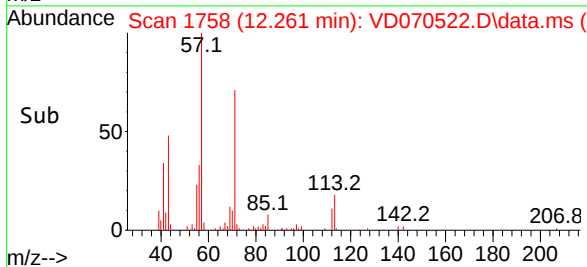
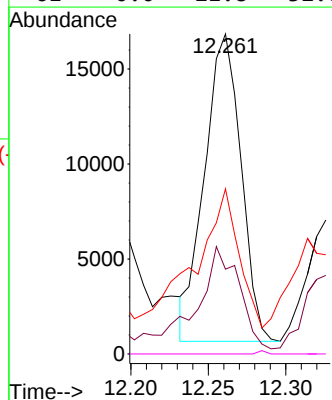
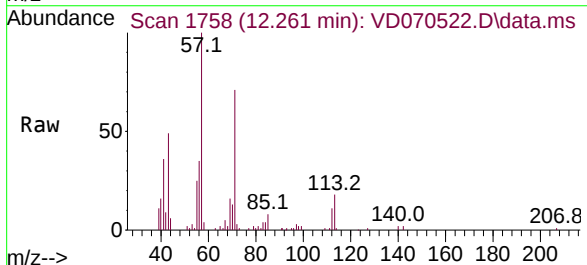
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

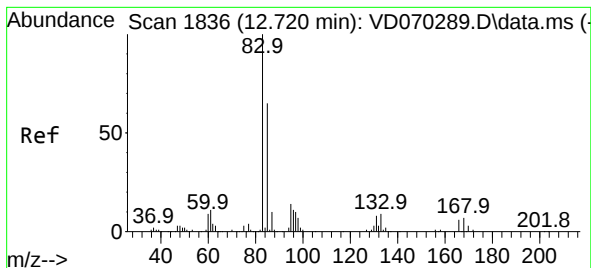
Tgt Ion:152 Resp: 325317
Ion Ratio Lower Upper
152 100
115 63.5 32.1 96.3
150 158.7 0.0 350.6



#74
N-ethyl acetate
Concen: 5.310 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

Tgt Ion: 43 Resp: 26393
Ion Ratio Lower Upper
43 100
70 37.6 41.4 62.0#
55 54.0 22.8 34.2#
61 0.0 21.8 32.6#



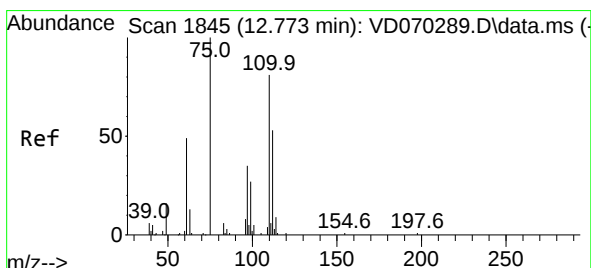
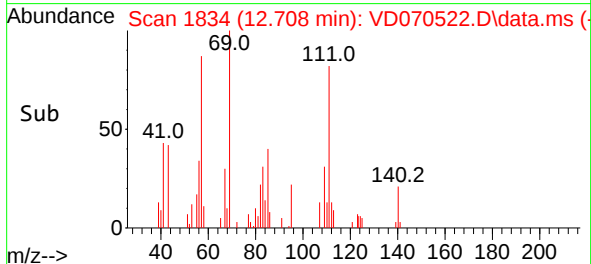
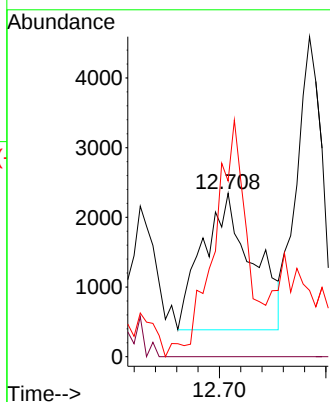
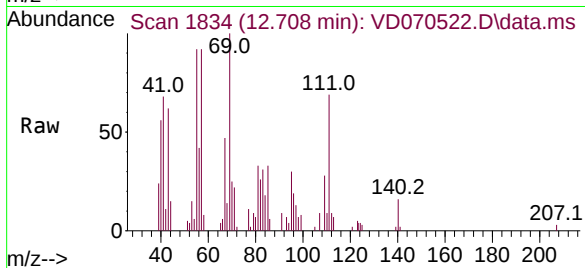


#75

1,1,2,2-Tetrachloroethane
Concen: 1.291 ug/l
RT: 12.708 min Scan# 1834
Delta R.T. -0.012 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

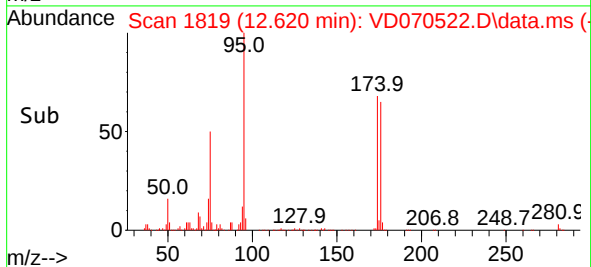
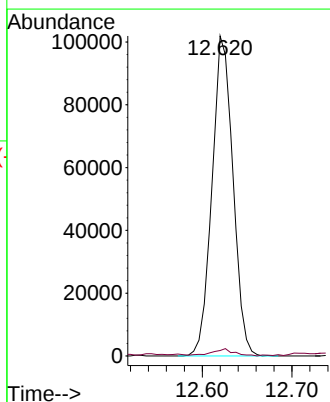
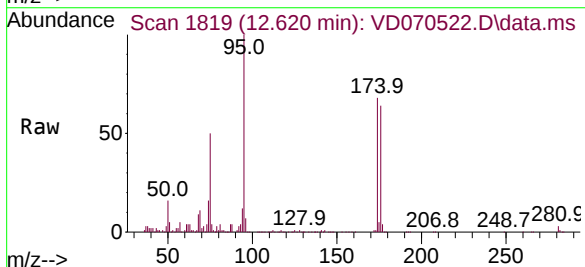
Tgt Ion: 83 Resp: 6308
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 116.0 32.1 96.3#

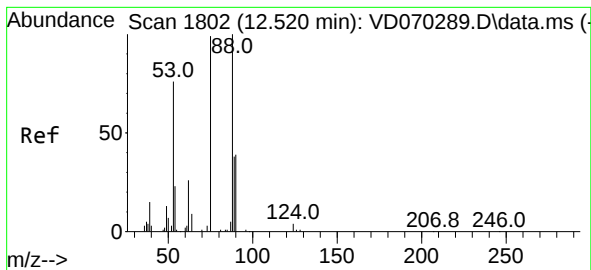


#76

1,2,3-Trichloropropane
Concen: 50.175 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070522.D
Acq: 29 Sep 2021 14:50

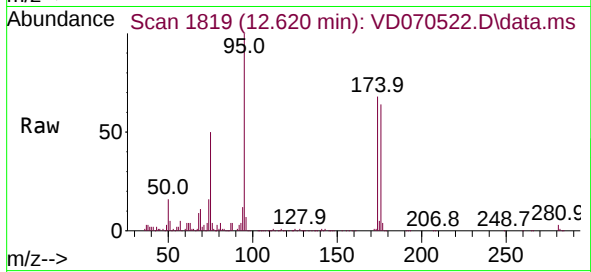
Tgt Ion: 75 Resp: 165107
Ion Ratio Lower Upper
75 100
77 2.4 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.718 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070522.D
 Acq: 29 Sep 2021 14:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.9	64.2	96.2#
89	0.0	35.6	53.4#

