

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070433.D
 Acq On : 22 Sep 2021 18:16
 Operator : VA/SY
 Sample : M3867-03RE
 Misc : 7.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(7.0-8.0)RE

Quant Time: Sep 23 05:34:59 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)

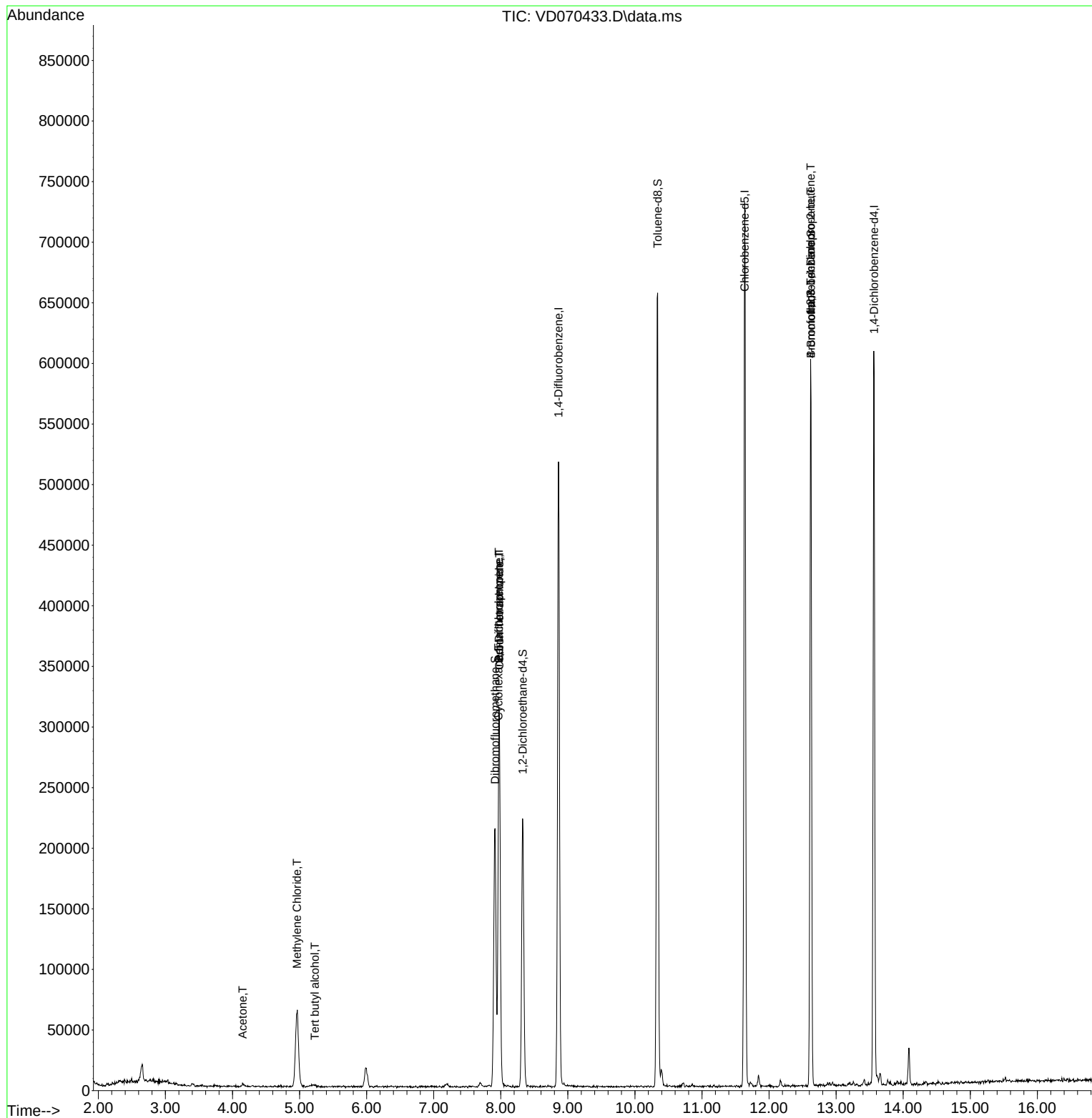
Internal Standards						
1) Pentafluorobenzene	7.973	168	222692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	445424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	439096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	162393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174527	61.036	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.080%	
35) Dibromofluoromethane	7.914	113	160179	50.520	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.040%	
50) Toluene-d8	10.338	98	462254	40.155	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 80.320%	
62) 4-Bromofluorobenzene	12.626	95	145262	36.106	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 72.220%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	146	Below Cal	#	43
3) Chloromethane	2.209	50	596	Below Cal	#	69
5) Bromomethane	2.767	94	654	Below Cal	#	49
6) Chloroethane	2.967	64	85	Below Cal	#	43
11) Tert butyl alcohol	5.226	59	1252	3.872	ug/l #	100
16) Acetone	4.150	43	4047	7.927	ug/l #	72
18) Methyl Acetate	4.720	43	93	Below Cal	#	48
20) Methylene Chloride	4.961	84	52815	10.925	ug/l	94
31) Cyclohexane	7.967	56	5485	1.114	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	20140	4.230	ug/l #	47
38) Carbon Tetrachloride	7.979	117	24511	5.206	ug/l #	19
71) Bromoform	12.626	173	1860	1.130	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	70633	43.000	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	70633	107.741	ug/l #	18

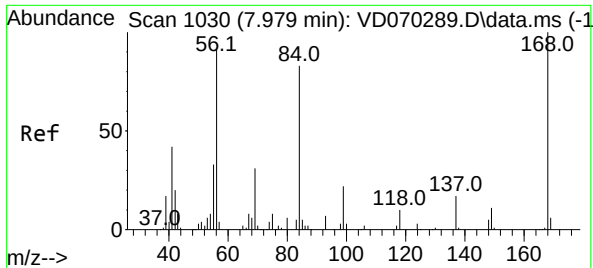
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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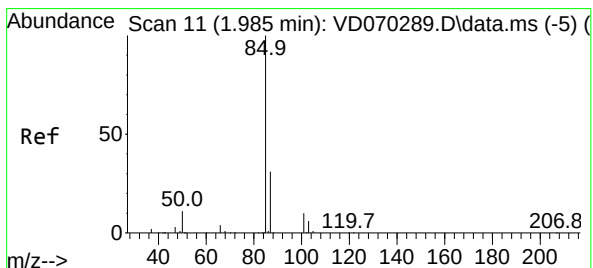
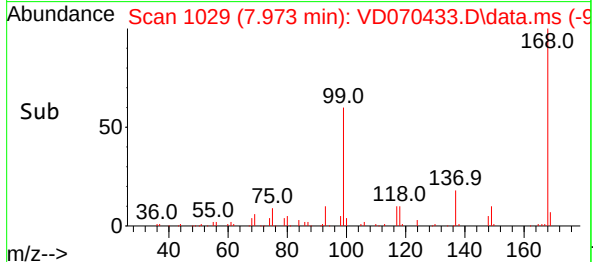
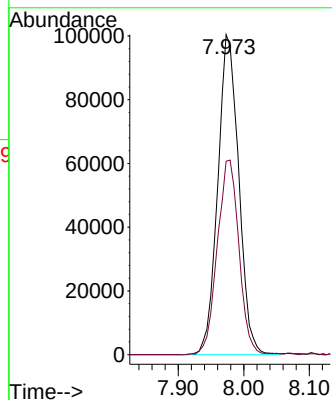
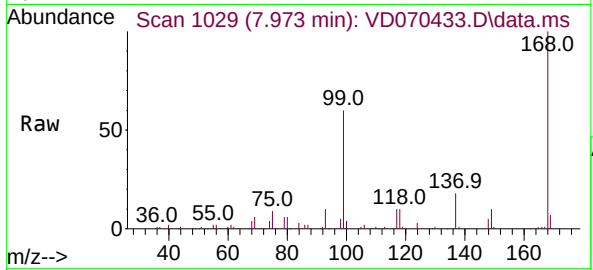




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

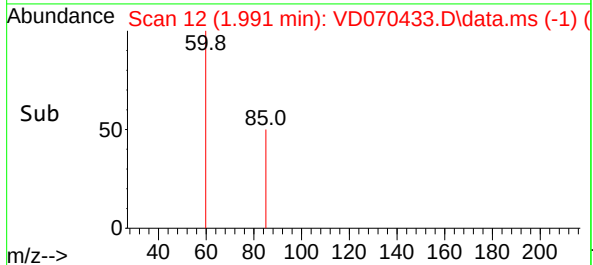
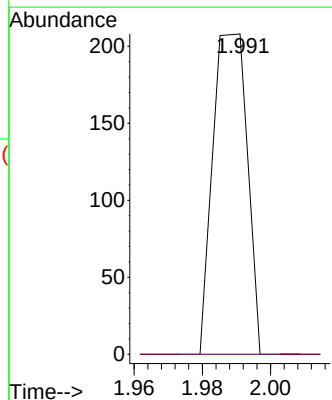
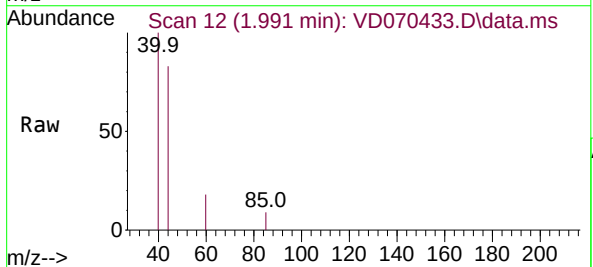
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)RE

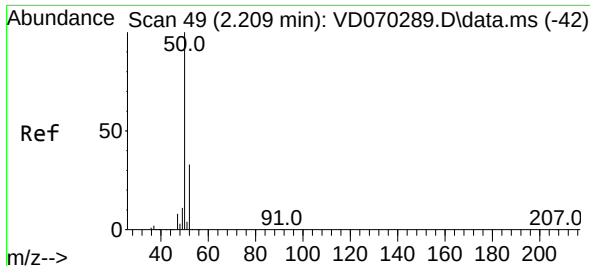
Tgt Ion:168 Resp: 222692
Ion Ratio Lower Upper
168 100
99 60.5 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Tgt Ion: 85 Resp: 146
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

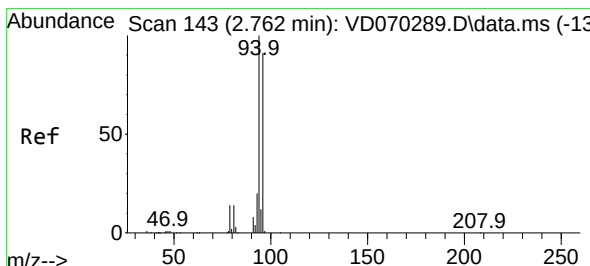
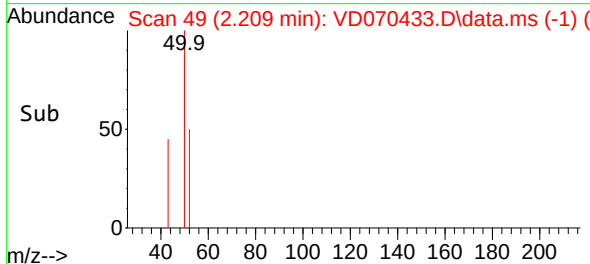
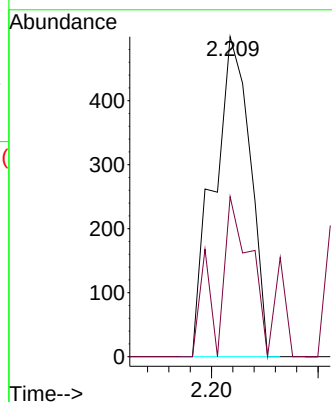
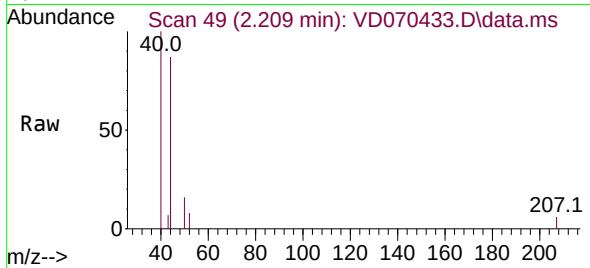




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

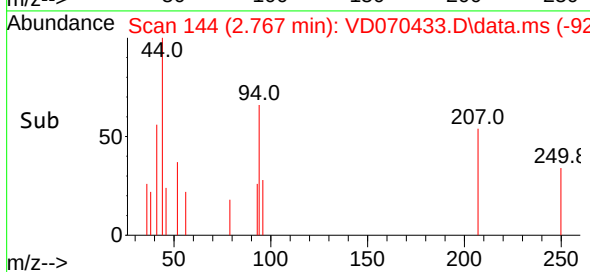
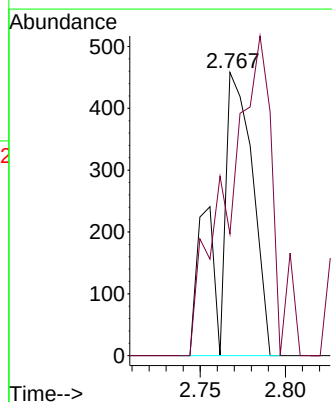
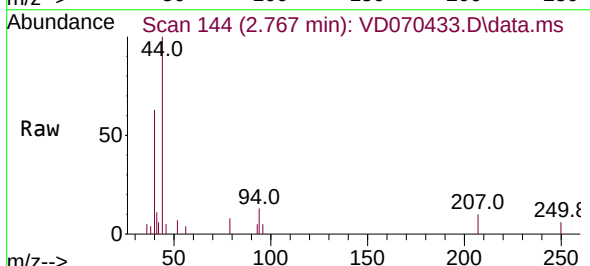
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)RE

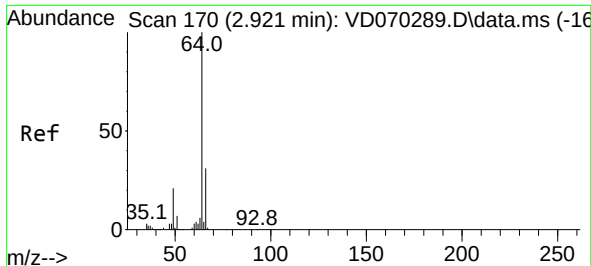
Tgt Ion: 50 Resp: 596
Ion Ratio Lower Upper
50 100
52 50.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Tgt Ion: 94 Resp: 654
Ion Ratio Lower Upper
94 100
96 43.0 73.0 109.6#

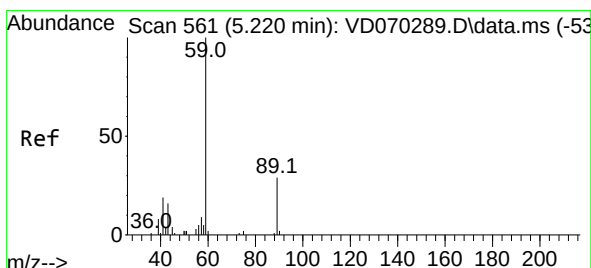
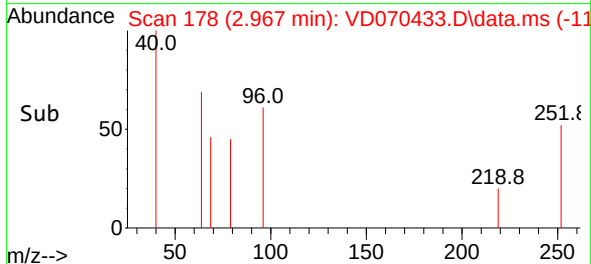
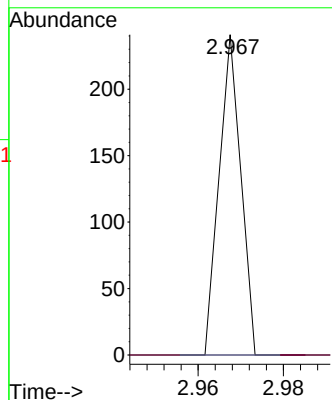
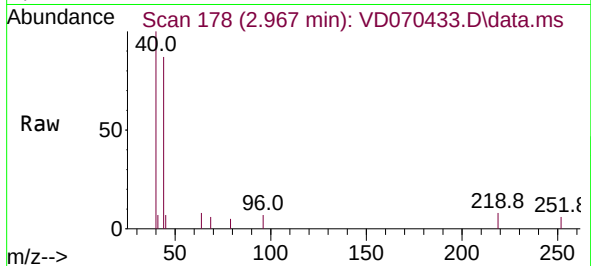




#6
Chloroethane
Concen: Below Cal
RT: 2.967 min Scan# 178
Delta R.T. 0.046 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

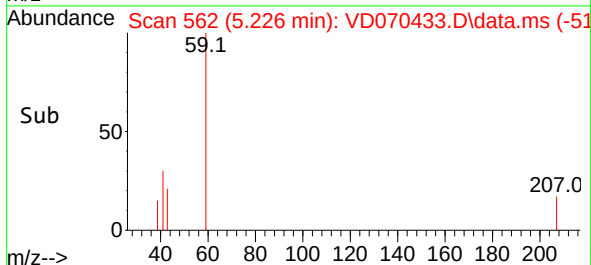
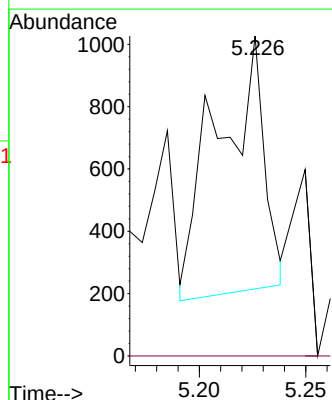
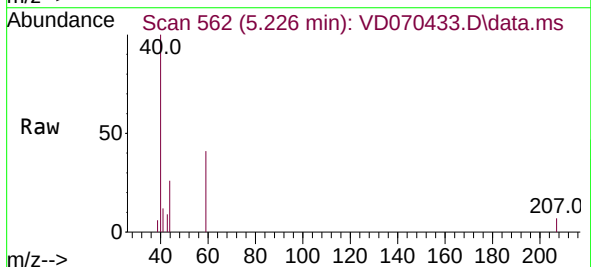
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)RE

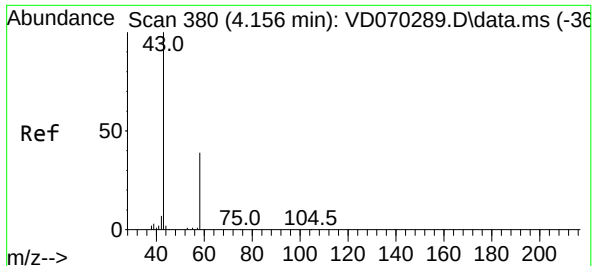
Tgt Ion: 64 Resp: 85
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: 3.872 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Tgt Ion: 59 Resp: 1252
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

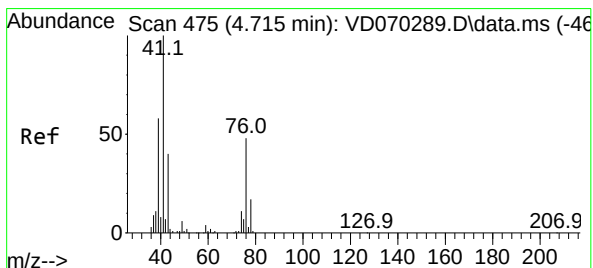
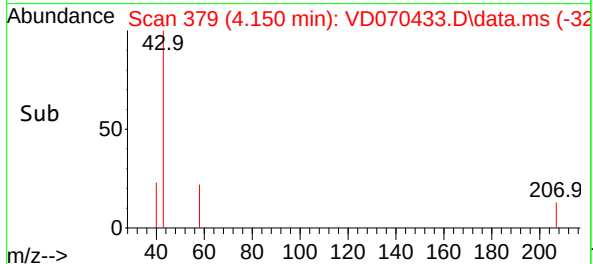
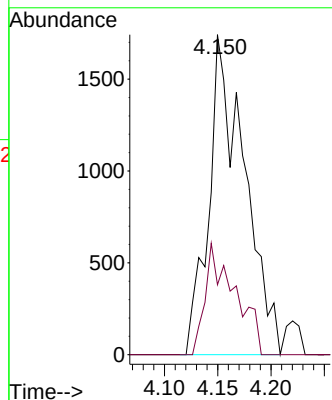
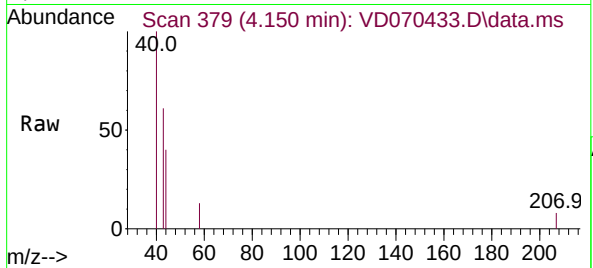




#16
Acetone
Concen: 7.927 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

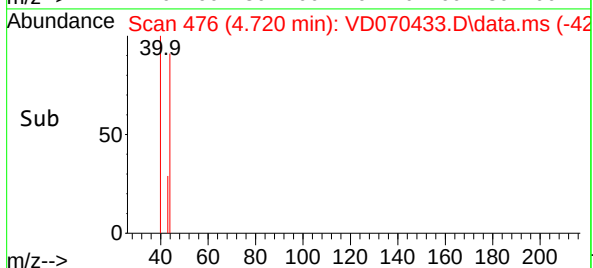
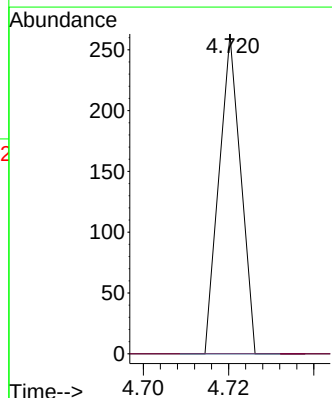
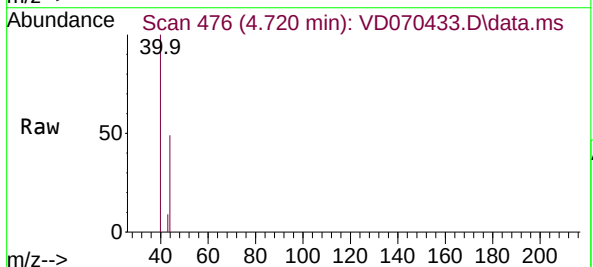
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)RE

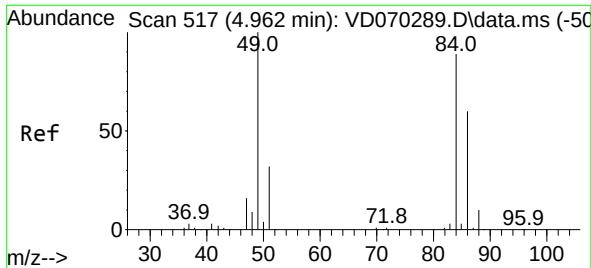
Tgt Ion: 43 Resp: 4047
Ion Ratio Lower Upper
43 100
58 21.9 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Tgt Ion: 43 Resp: 93
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

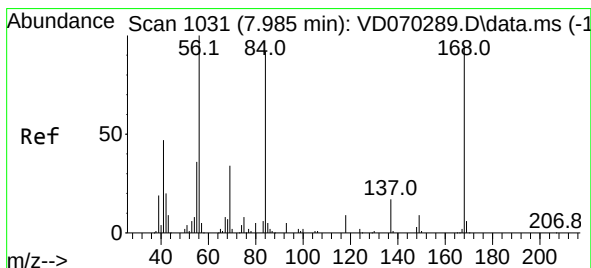
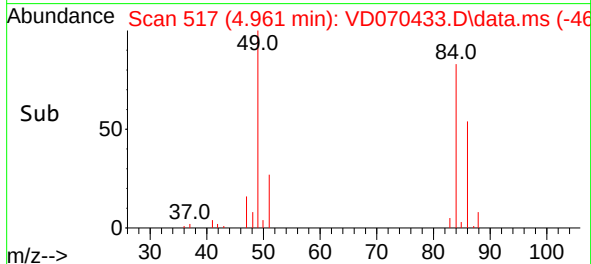
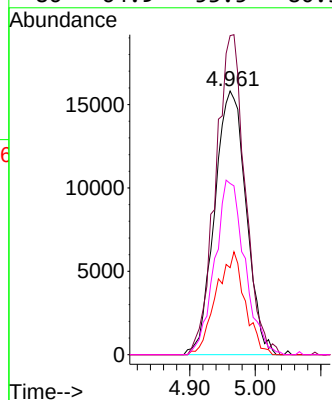
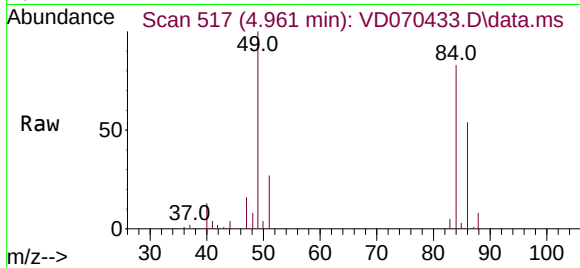




#20
Methylene Chloride
Concen: 10.925 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

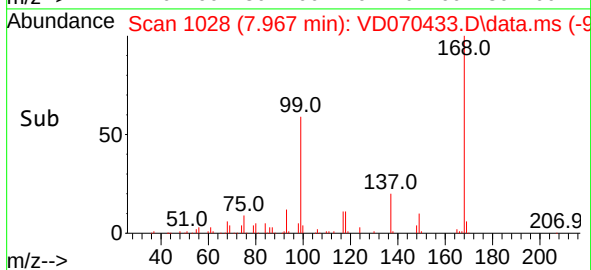
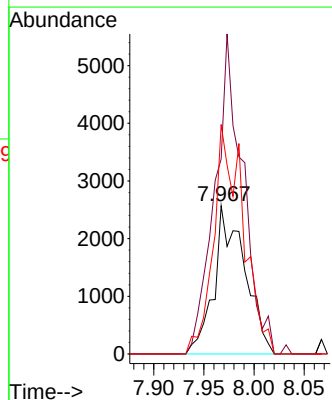
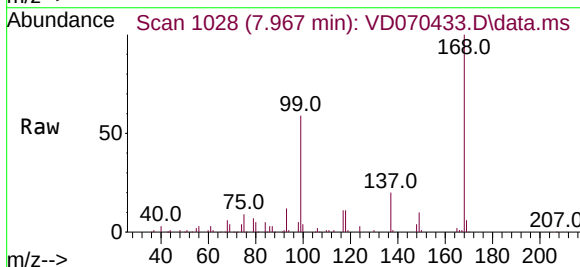
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)RE

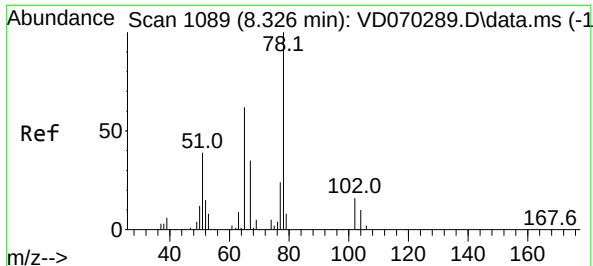
Tgt Ion:	84	Resp:	52815
Ion	Ratio	Lower	Upper
84	100		
49	121.0	89.6	134.4
51	33.0	28.6	43.0
86	64.9	53.5	80.3



#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Tgt Ion:	56	Resp:	5485
Ion	Ratio	Lower	Upper
56	100		
69	131.7	26.9	40.3#
84	165.7	73.6	110.4#

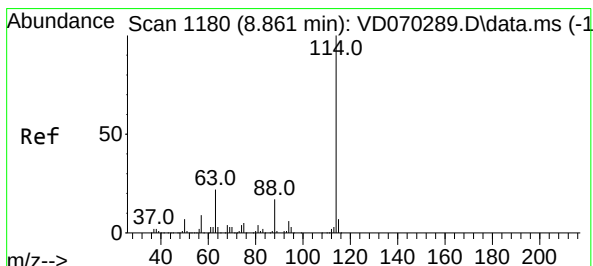
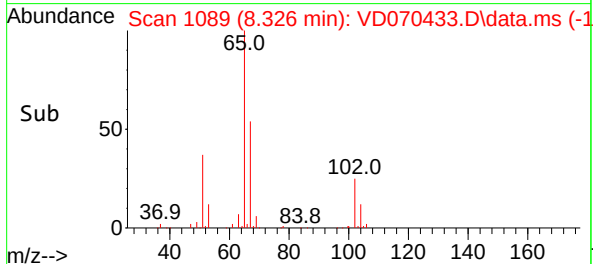
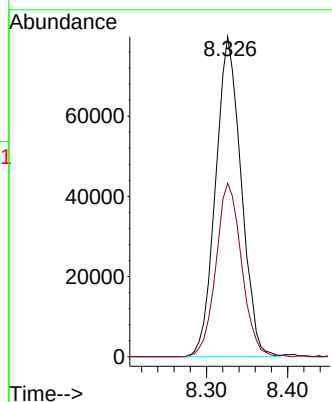
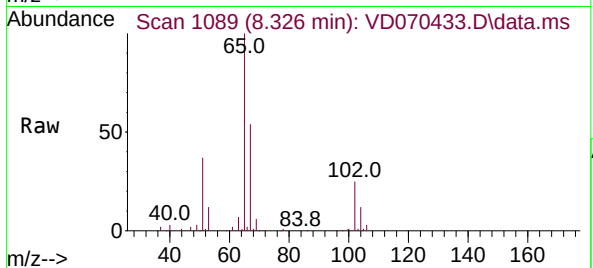




#33
1,2-Dichloroethane-d4
Concen: 61.036 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

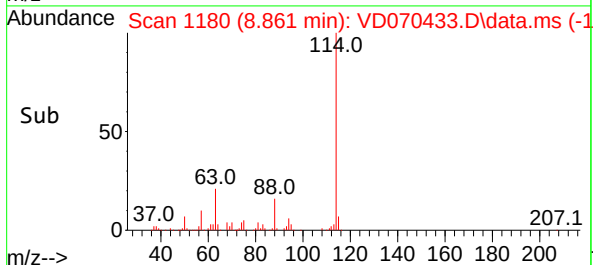
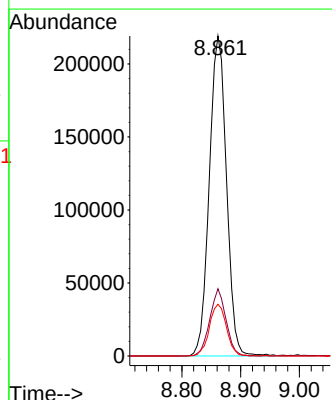
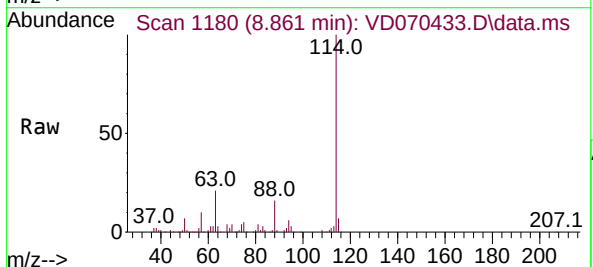
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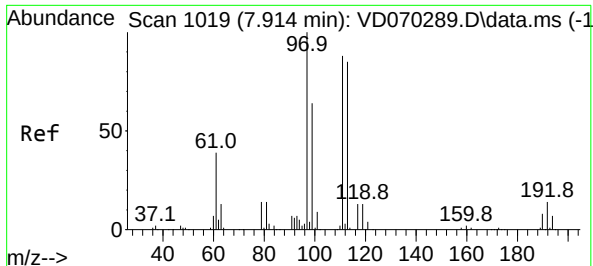
Tgt Ion: 65 Resp: 174527
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Tgt Ion:114 Resp: 445424
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.4
88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.520 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070433.D

Acq: 22 Sep 2021 18:16

Tgt Ion:113 Resp: 160179

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

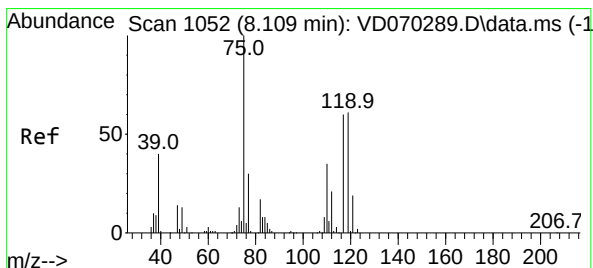
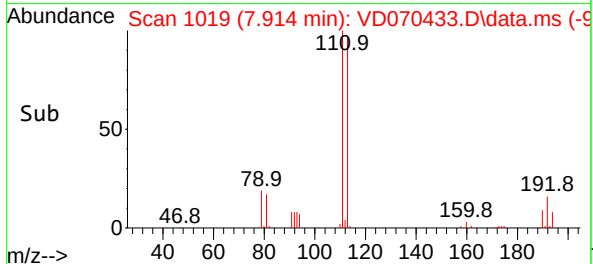
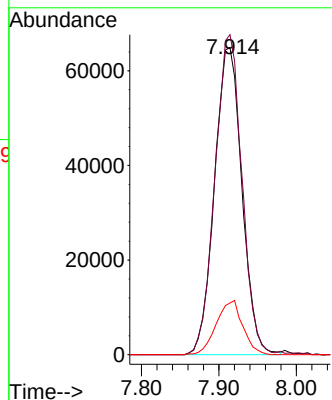
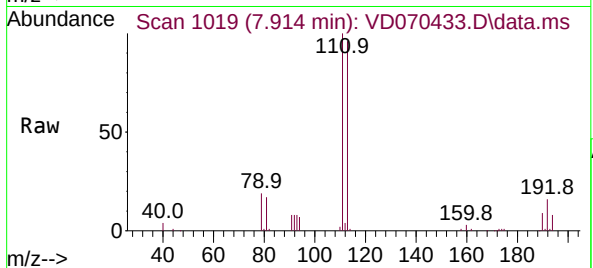
192 17.0 13.0 19.6

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(7.0-8.0)RE



#36

1,1-Dichloropropene

Concen: 4.230 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070433.D

Acq: 22 Sep 2021 18:16

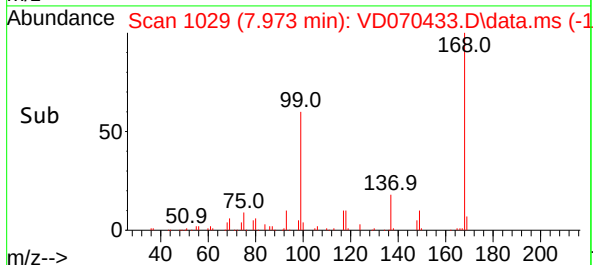
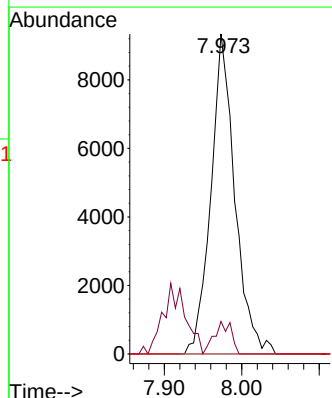
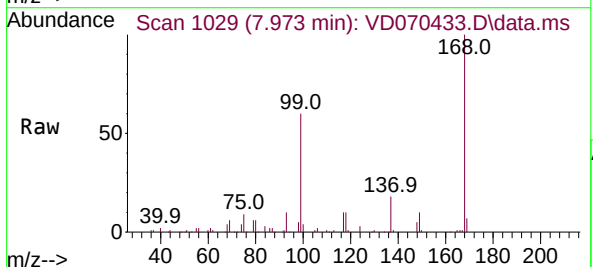
Tgt Ion: 75 Resp: 20140

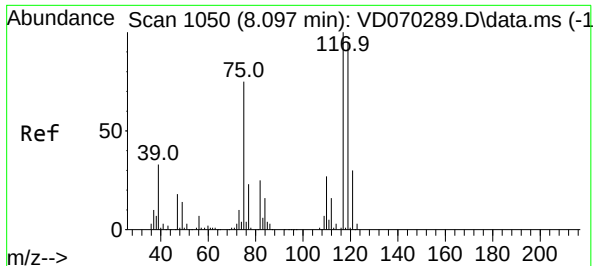
Ion Ratio Lower Upper

75 100

110 7.2 17.9 53.7#

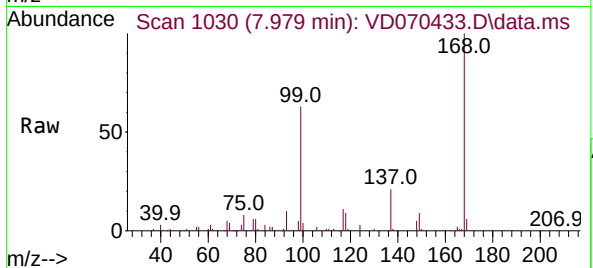
77 0.0 25.3 37.9#



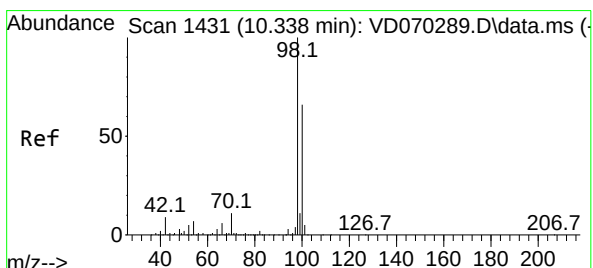
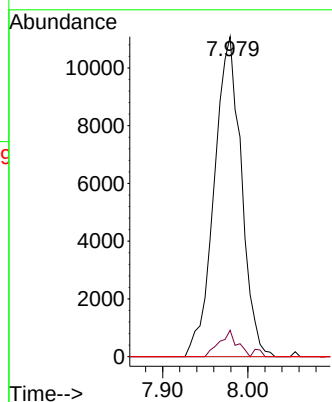
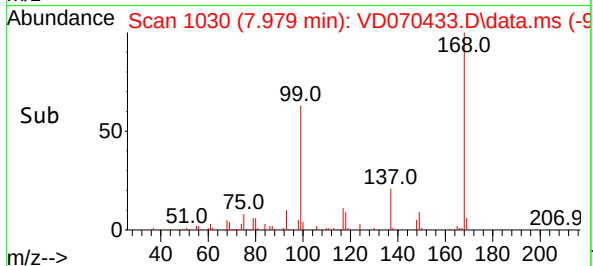


#38
Carbon Tetrachloride
Concen: 5.206 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

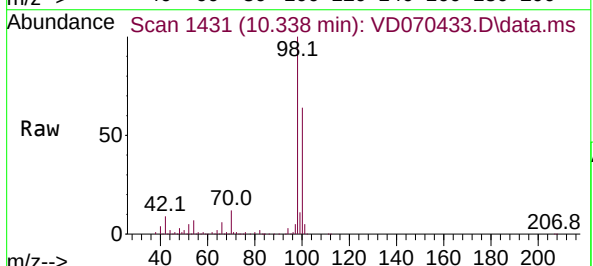
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)RE



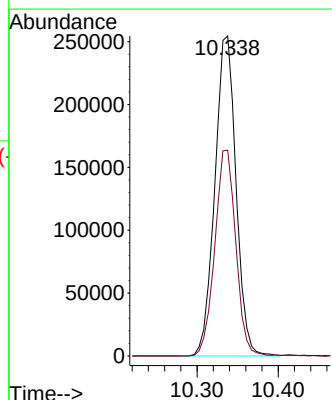
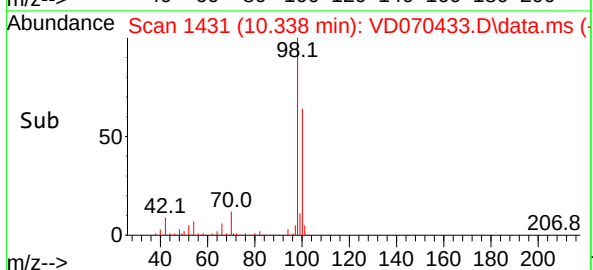
Tgt Ion:117 Resp: 24511
Ion Ratio Lower Upper
117 100
119 8.2 76.1 114.1#
121 0.0 23.8 35.6#

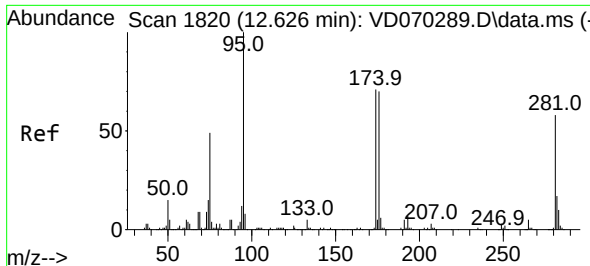


#50
Toluene-d8
Concen: 40.155 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16



Tgt Ion: 98 Resp: 462254
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

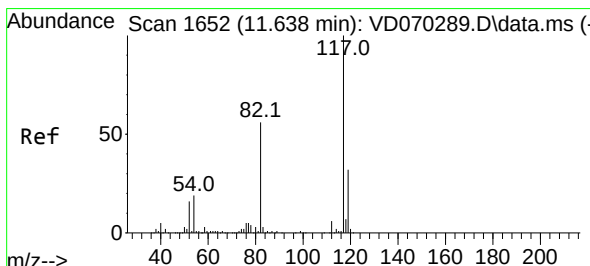
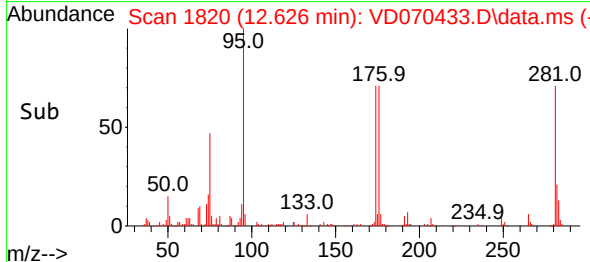
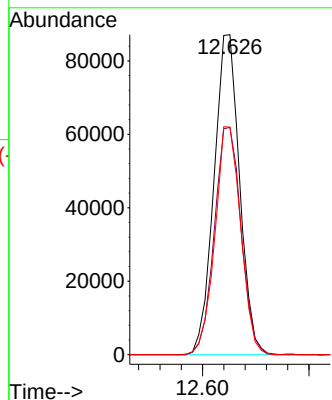
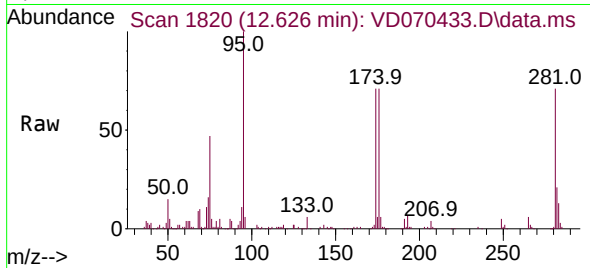




#62
4-Bromofluorobenzene
Concen: 36.106 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

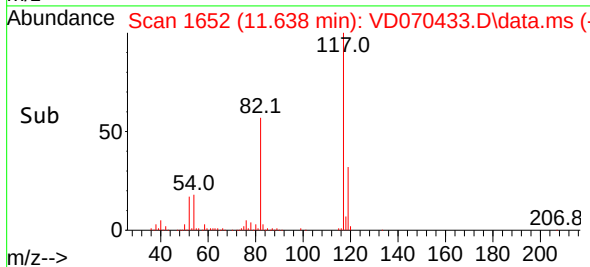
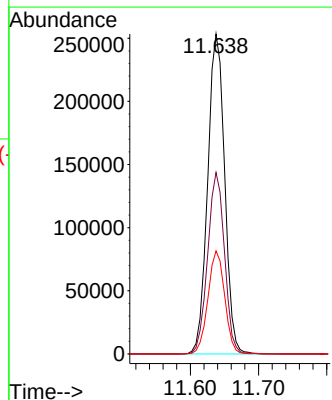
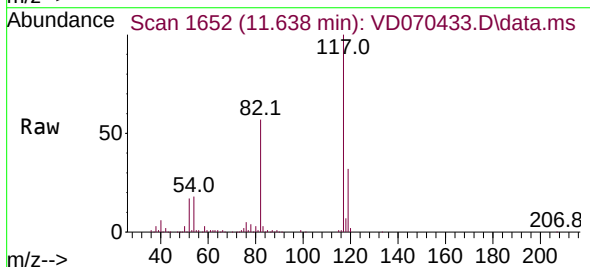
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)RE

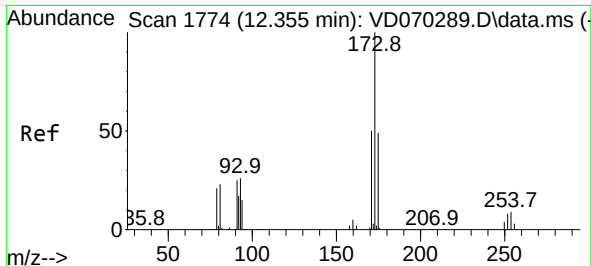
Tgt Ion: 95 Resp: 145262
Ion Ratio Lower Upper
95 100
174 74.3 0.0 140.6
176 71.6 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Tgt Ion: 117 Resp: 439096
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.4
119 32.2 25.2 37.8

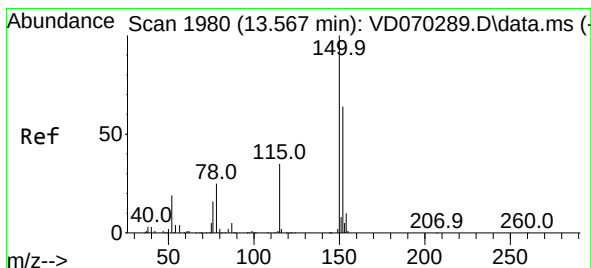
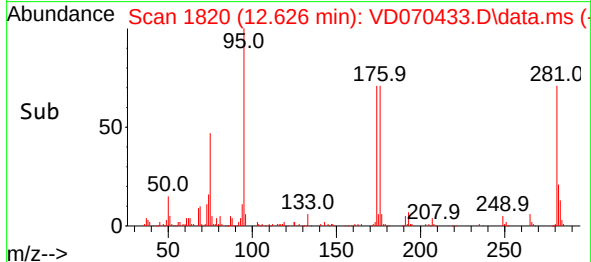
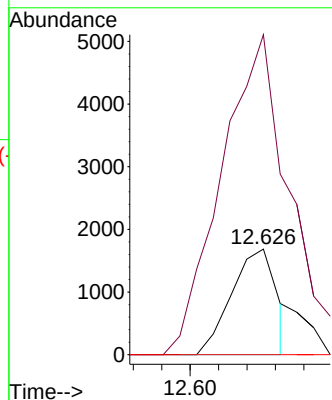
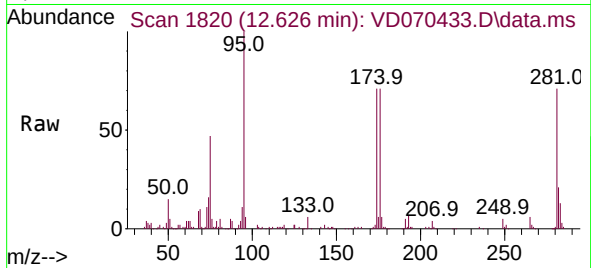




#71
Bromoform
Concen: 1.130 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

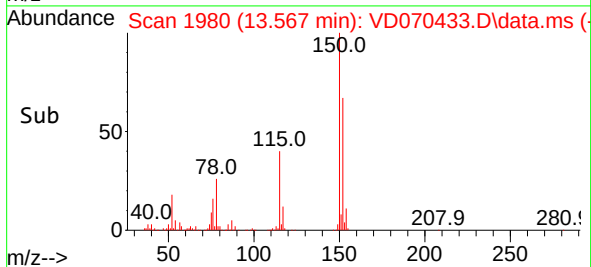
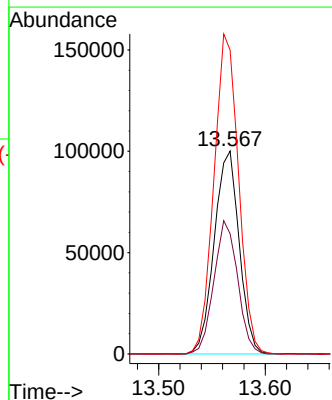
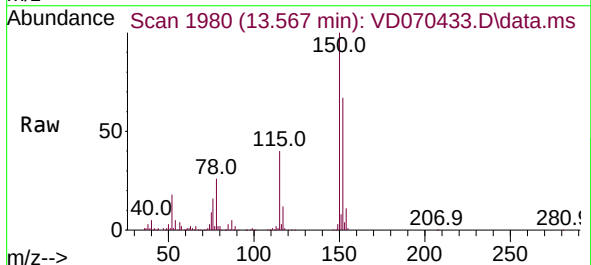
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)RE

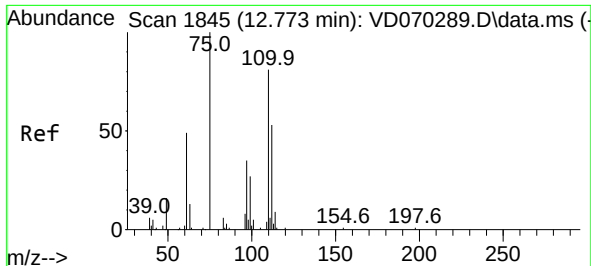
Tgt Ion:173 Resp: 1860
Ion Ratio Lower Upper
173 100
175 376.7 25.1 75.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Tgt Ion:152 Resp: 162393
Ion Ratio Lower Upper
152 100
115 62.7 32.1 96.3
150 155.9 0.0 350.6

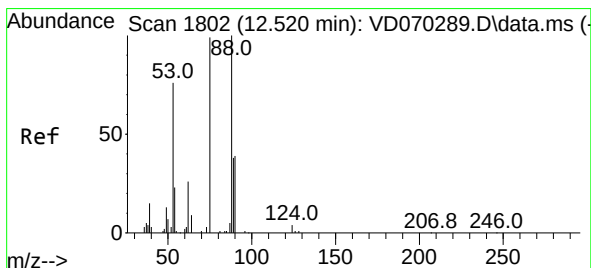
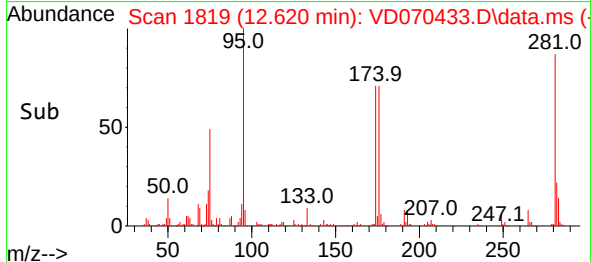
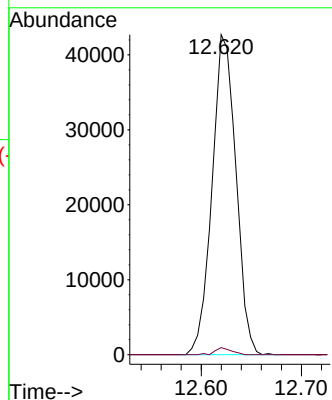
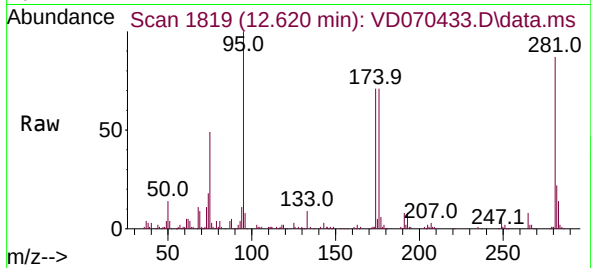




#76
1,2,3-Trichloropropane
Concen: 43.000 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)RE

Tgt Ion: 75 Resp: 70633
Ion Ratio Lower Upper
75 100
77 1.5 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.741 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070433.D
Acq: 22 Sep 2021 18:16

Tgt Ion: 75 Resp: 70633
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 1.2 35.6 53.4#

