

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070425.D
 Acq On : 22 Sep 2021 14:29
 Operator : VA/SY
 Sample : M3867-01
 Misc : 7.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1-(8.0-9.0)

Quant Time: Sep 23 05:32:14 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)

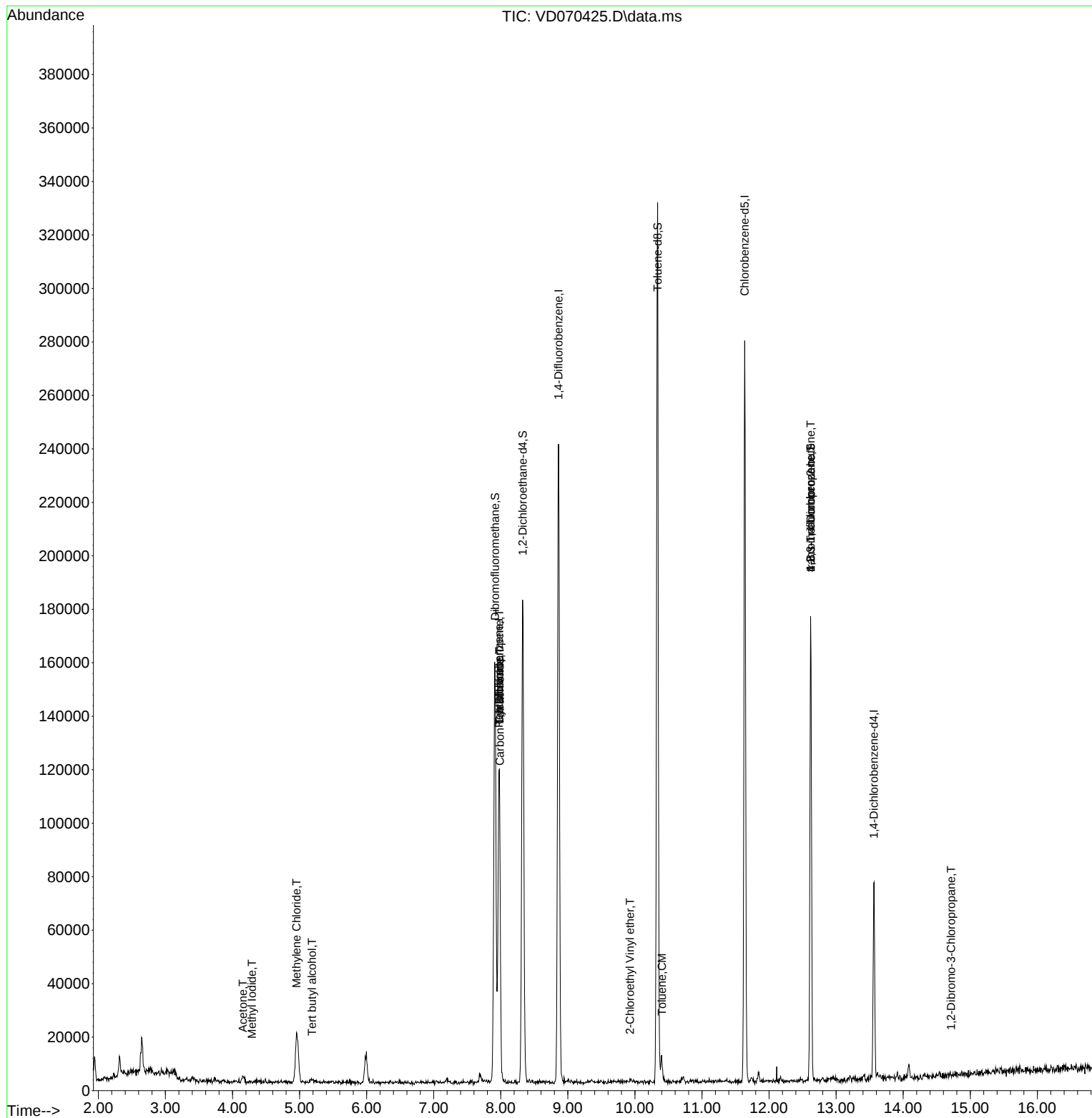
Internal Standards						
1) Pentafluorobenzene	7.973	168	85478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	207230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	164606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	20266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	141062	128.524	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	257.040%#
35) Dibromofluoromethane	7.914	113	115864	78.547	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	157.100%#
50) Toluene-d8	10.338	98	231385	43.204	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.400%
62) 4-Bromofluorobenzene	12.620	95	37518	20.044	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	40.080%
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	226	Below Cal		93
5) Bromomethane	2.756	94	595	Below Cal	#	78
6) Chloroethane	3.032	64	80	Below Cal	#	35
10) Methyl Iodide	4.291	142	221	1.234	ug/l #	39
11) Tert butyl alcohol	5.185	59	361	2.909	ug/l #	100
16) Acetone	4.156	43	3562	18.178	ug/l #	85
18) Methyl Acetate	4.714	43	100	Below Cal	#	48
20) Methylene Chloride	4.956	84	15329	6.188	ug/l #	90
31) Cyclohexane	7.979	56	2503	1.324	ug/l #	39
36) 1,1-Dichloropropene	7.979	75	7219	3.259	ug/l #	49
38) Carbon Tetrachloride	7.985	117	8961	4.091	ug/l #	12
52) Toluene	10.402	92	4046	1.032	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.926	63	676	1.065	ug/l #	85
76) 1,2,3-Trichloropropane	12.620	75	17421	84.983	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	17421	212.933	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.714	75	78	1.711	ug/l #	5

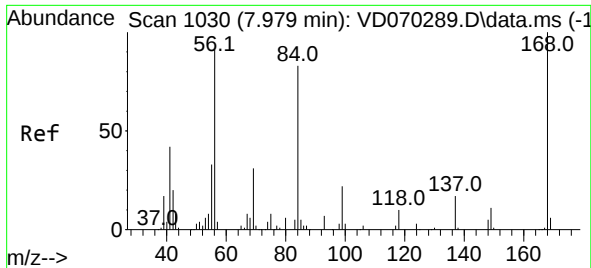
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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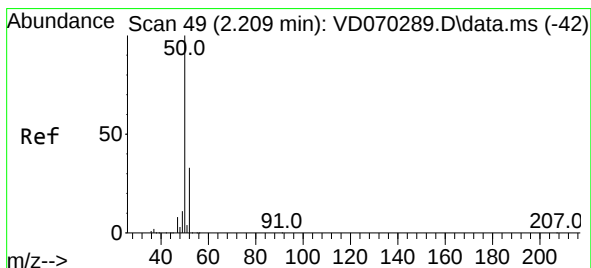
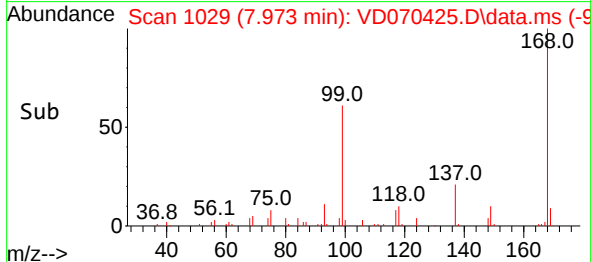
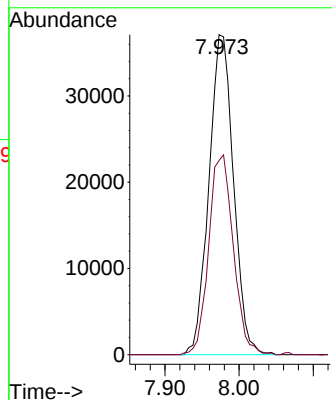
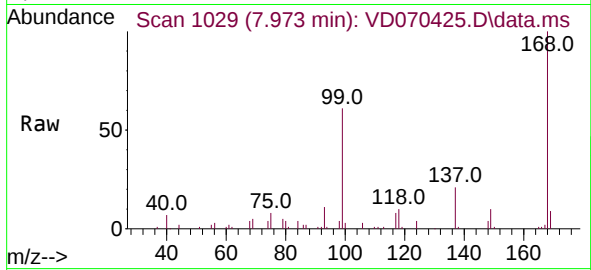




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

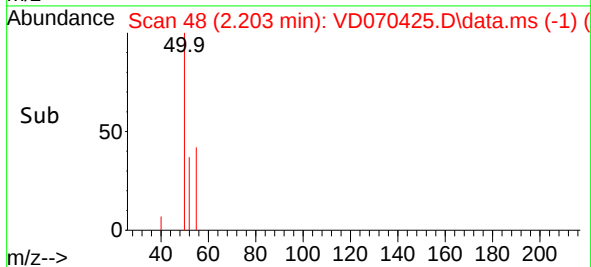
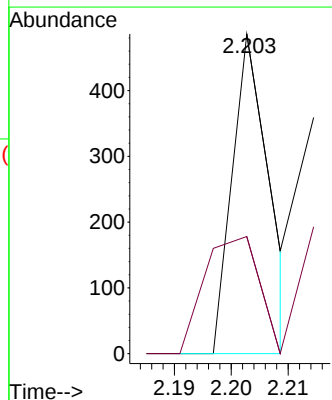
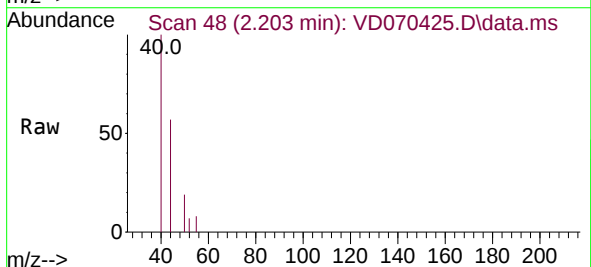
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(8.0-9.0)

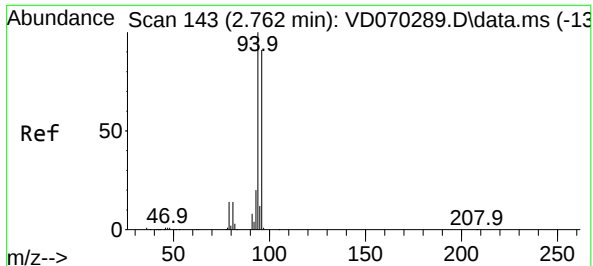
Tgt Ion:168 Resp: 85478
Ion Ratio Lower Upper
168 100
99 60.7 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Tgt Ion: 50 Resp: 226
Ion Ratio Lower Upper
50 100
52 36.6 26.2 39.2

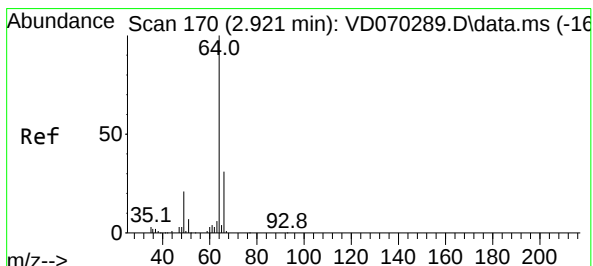
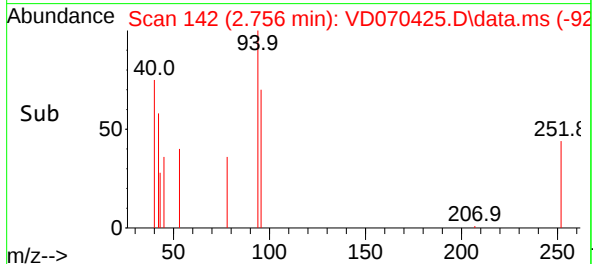
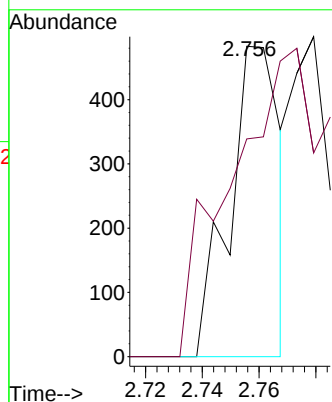
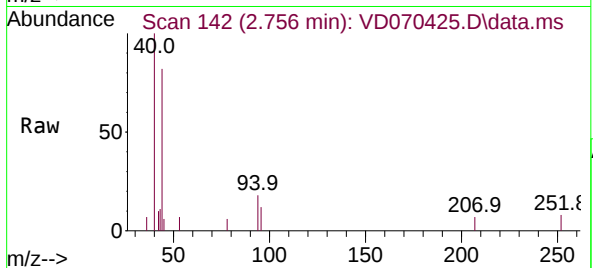




#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.006 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

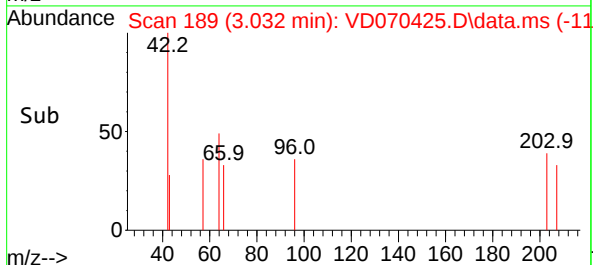
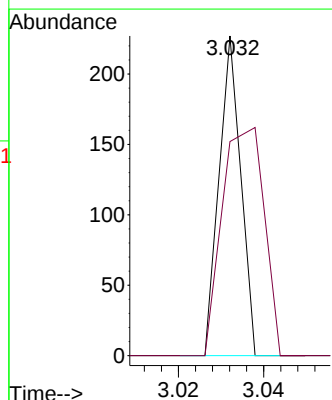
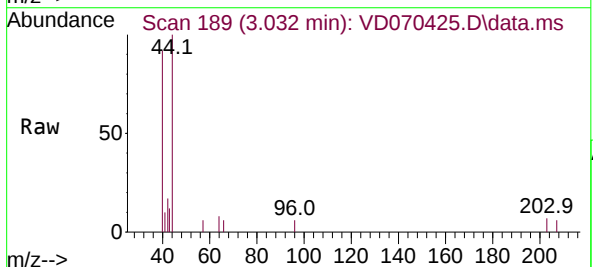
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(8.0-9.0)

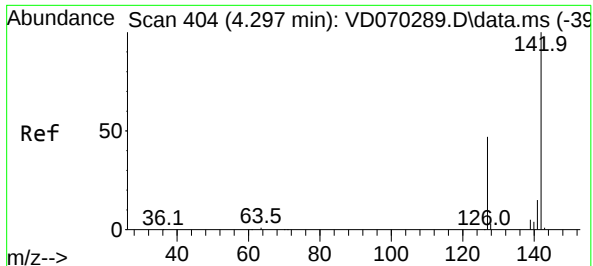
Tgt Ion: 94 Resp: 595
Ion Ratio Lower Upper
94 100
96 70.2 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 3.032 min Scan# 189
Delta R.T. 0.111 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 67.0 25.0 37.4#

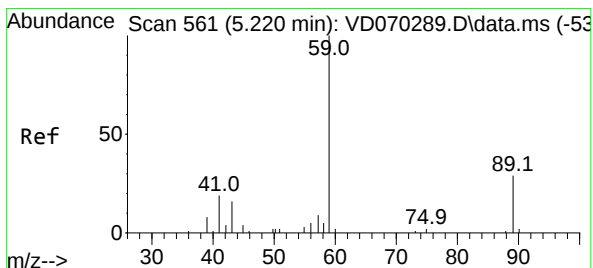
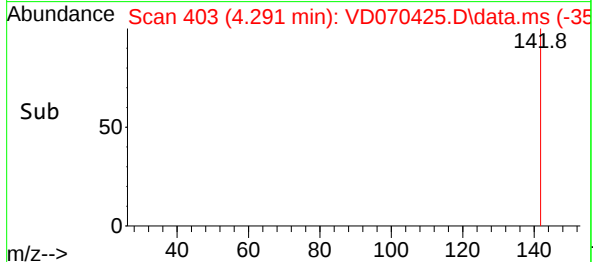
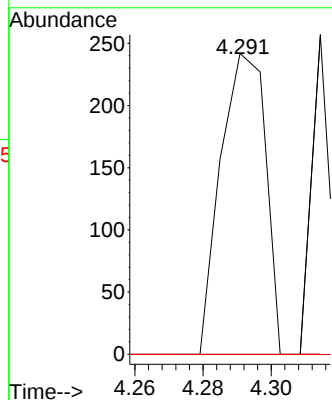
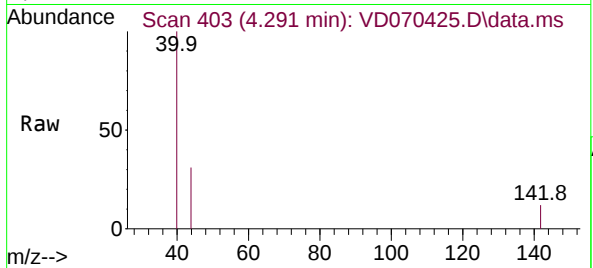




#10
Methyl Iodide
Concen: 1.234 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

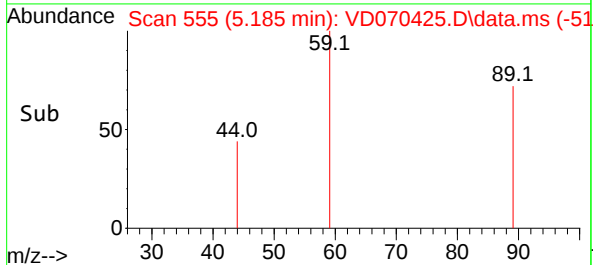
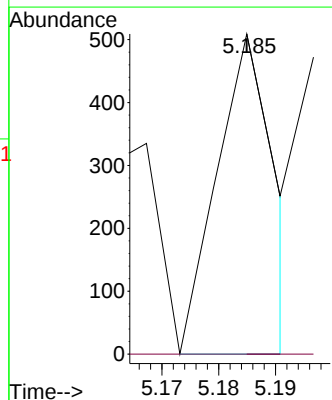
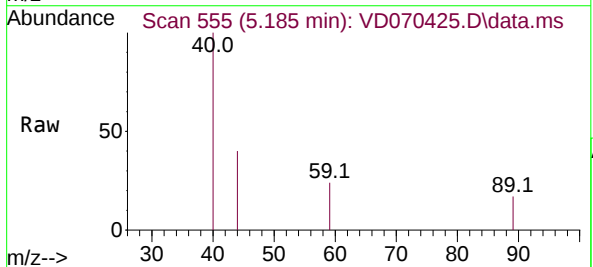
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(8.0-9.0)

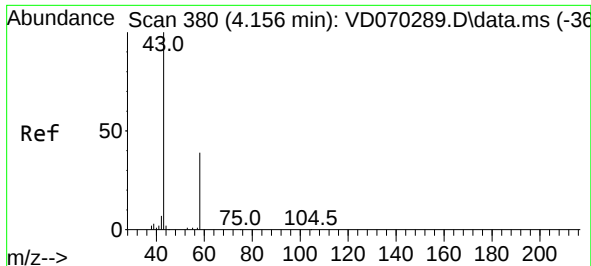
Tgt Ion:142 Resp: 221
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 2.909 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Tgt Ion: 59 Resp: 361
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

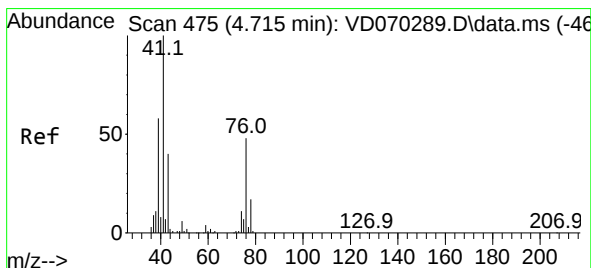
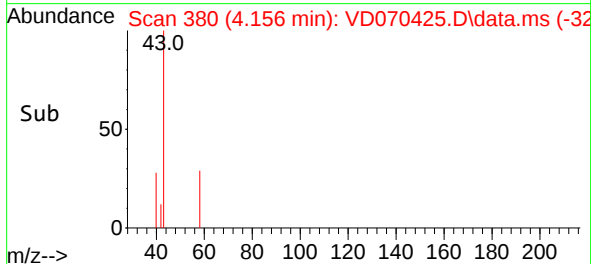
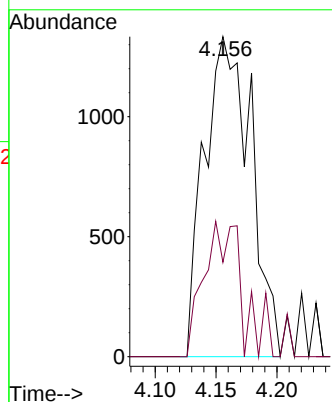
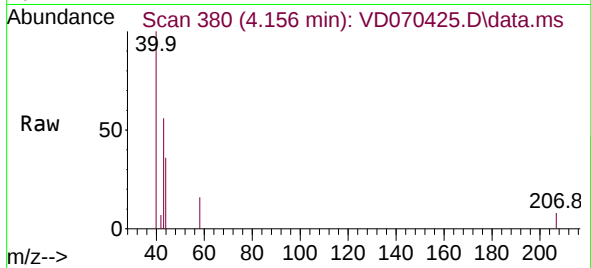




#16
Acetone
Concen: 18.178 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

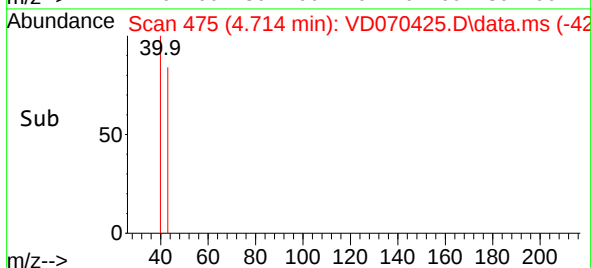
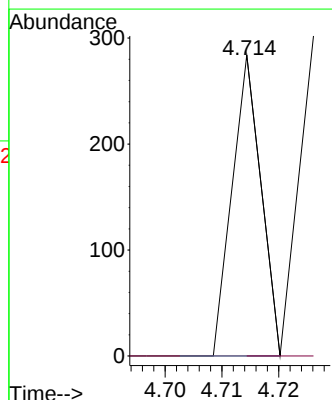
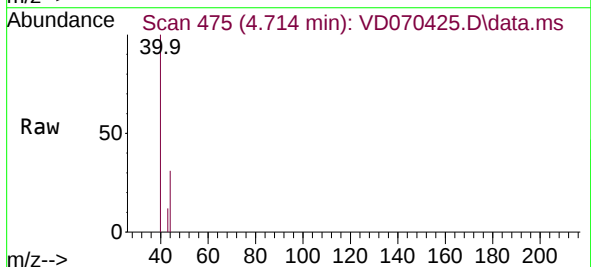
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(8.0-9.0)

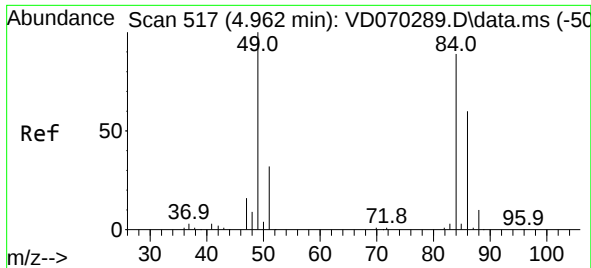
Tgt Ion: 43 Resp: 3562
Ion Ratio Lower Upper
43 100
58 29.5 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.001 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

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

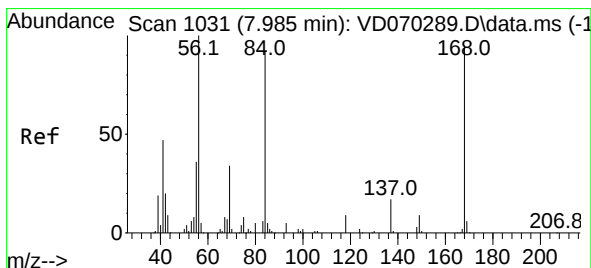
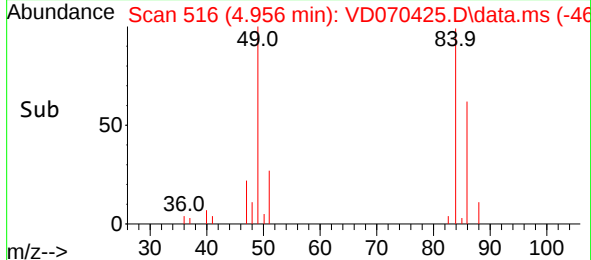
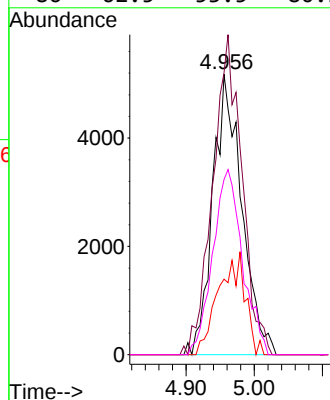
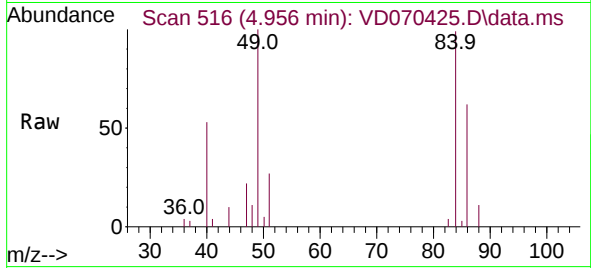




#20
Methylene Chloride
Concen: 6.188 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

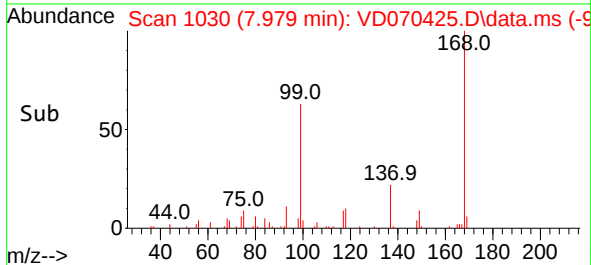
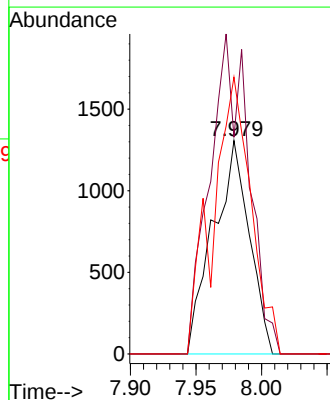
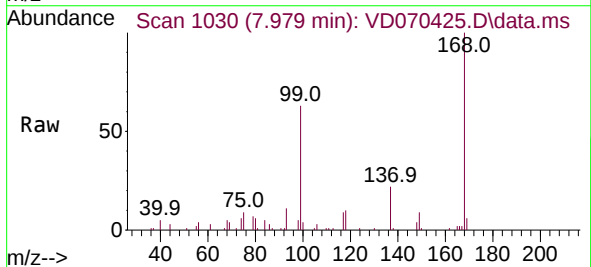
Instrument :
MSVOA_D
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SB-1-(8.0-9.0)

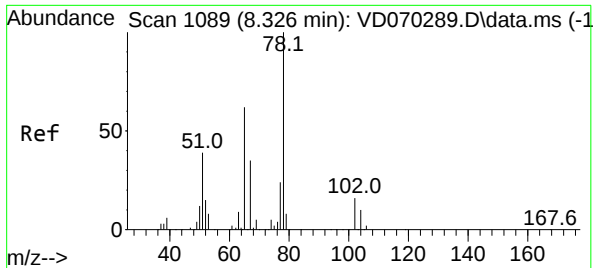
Tgt Ion:	84	Resp:	15329
Ion	Ratio	Lower	Upper
84	100		
49	100.5	89.6	134.4
51	26.9	28.6	43.0#
86	62.5	53.5	80.3



#31
Cyclohexane
Concen: 1.324 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Tgt Ion:	56	Resp:	2503
Ion	Ratio	Lower	Upper
56	100		
69	101.5	26.9	40.3#
84	129.7	73.6	110.4#

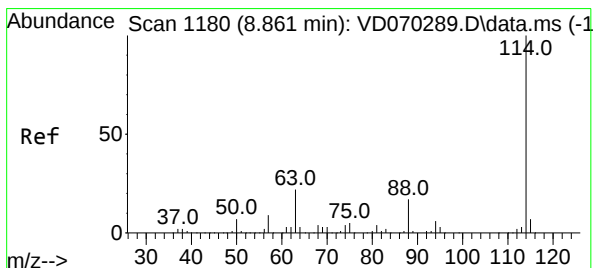
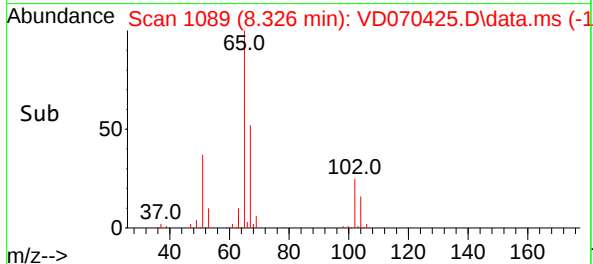
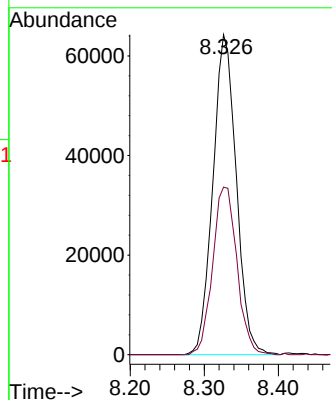
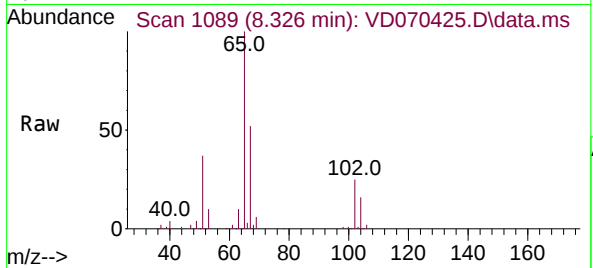




#33
1,2-Dichloroethane-d4
Concen: 128.524 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

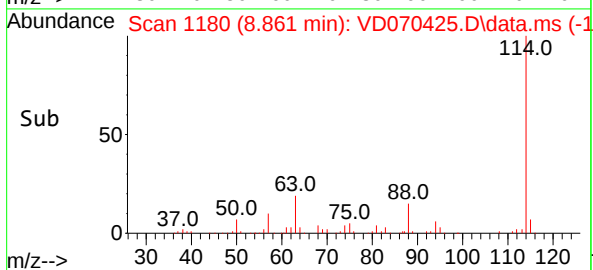
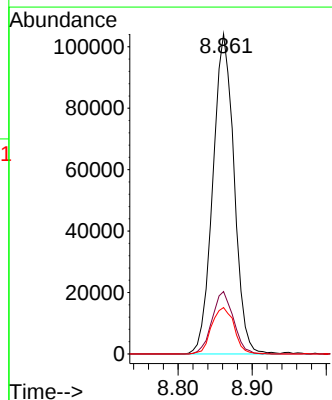
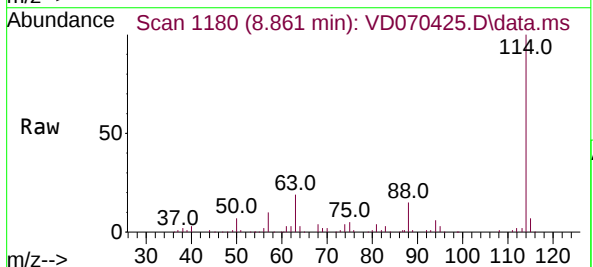
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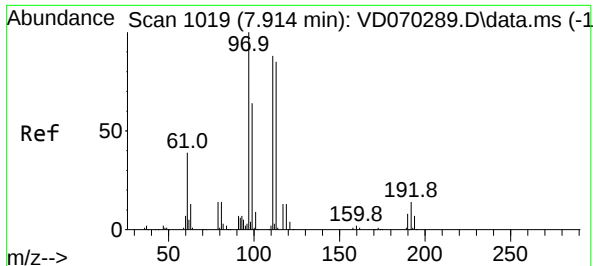
Tgt Ion: 65 Resp: 141062
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Tgt Ion:114 Resp: 207230
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.4
88 14.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 78.547 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070425.D

Acq: 22 Sep 2021 14:29

Tgt Ion:113 Resp: 115864

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.2

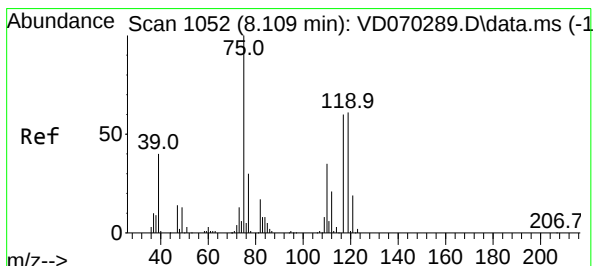
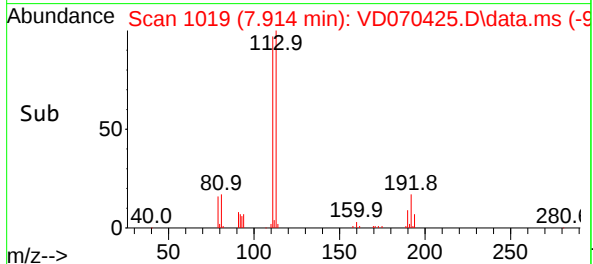
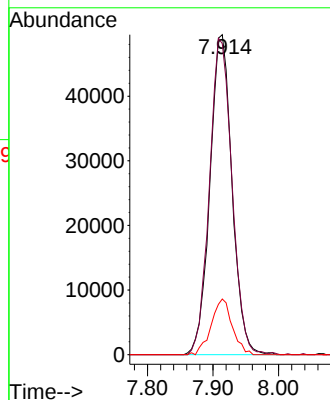
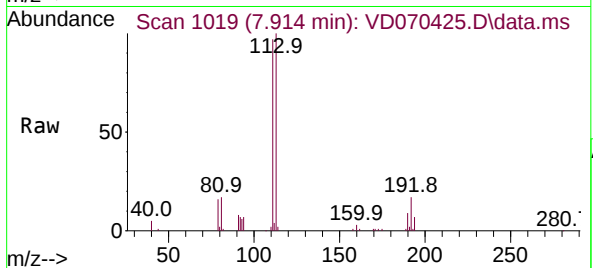
192 16.6 13.0 19.6

Instrument :

MSVOA_D

ClientSampleId :

SB-1-(8.0-9.0)



#36

1,1-Dichloropropene

Concen: 3.259 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070425.D

Acq: 22 Sep 2021 14:29

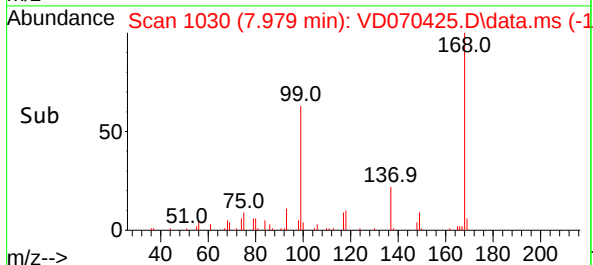
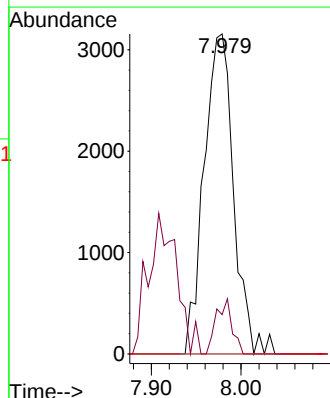
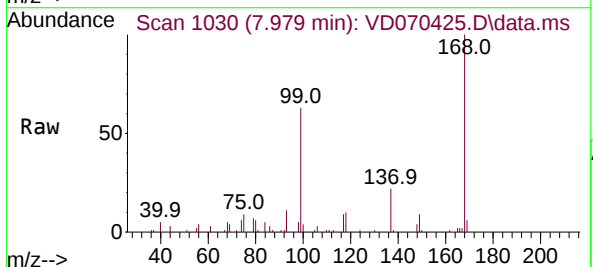
Tgt Ion: 75 Resp: 7219

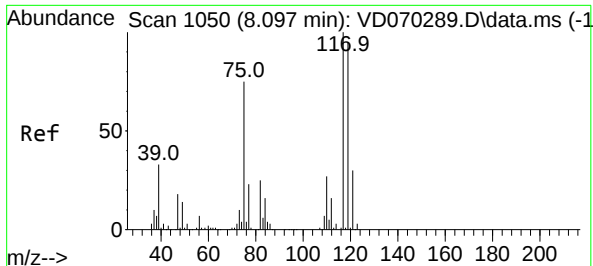
Ion Ratio Lower Upper

75 100

110 9.3 17.9 53.7#

77 0.0 25.3 37.9#

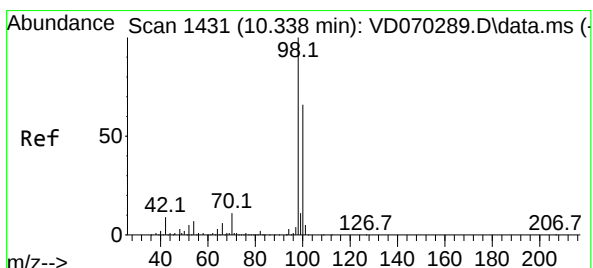
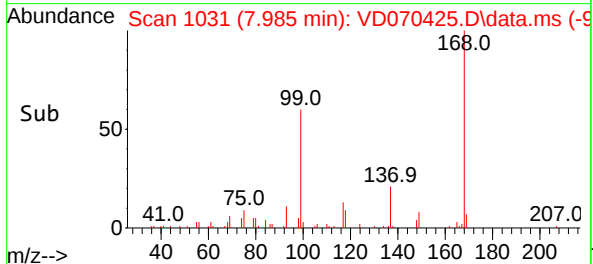
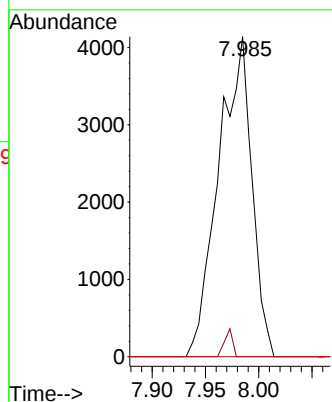
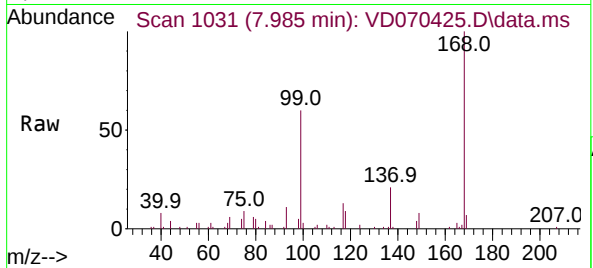




#38
Carbon Tetrachloride
Concen: 4.091 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

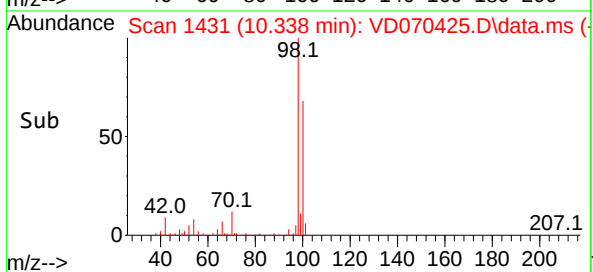
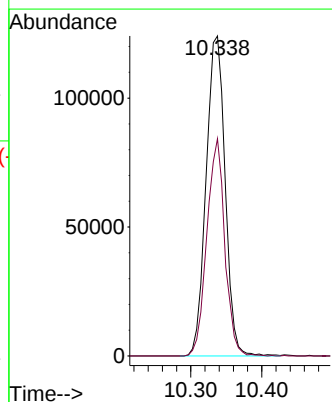
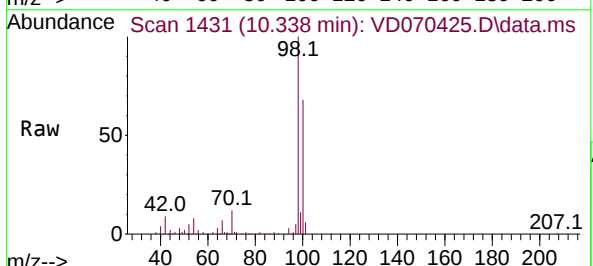
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(8.0-9.0)

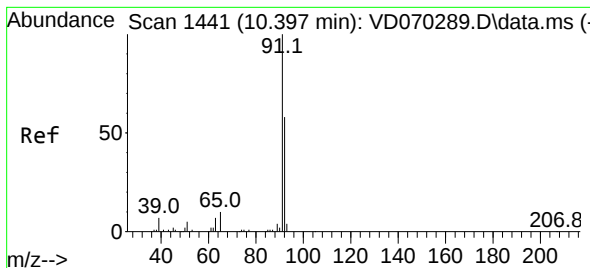
Tgt Ion:117 Resp: 8961
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 43.204 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Tgt Ion: 98 Resp: 231385
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0





#52

Toluene

Concen: 1.032 ug/l

RT: 10.402 min Scan# 1442

Delta R.T. 0.006 min

Lab File: VD070425.D

Acq: 22 Sep 2021 14:29

Instrument :

MSVOA_D

ClientSampleId :

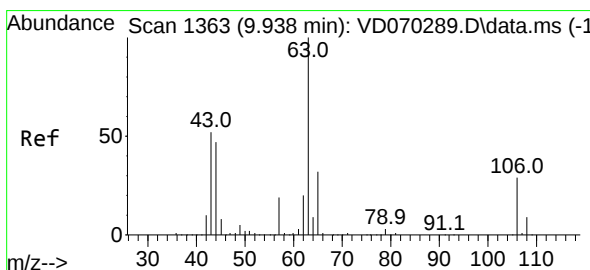
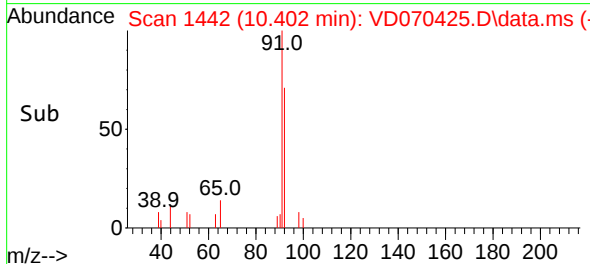
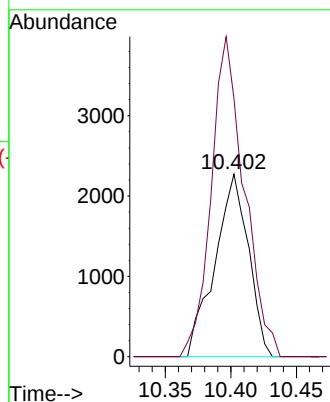
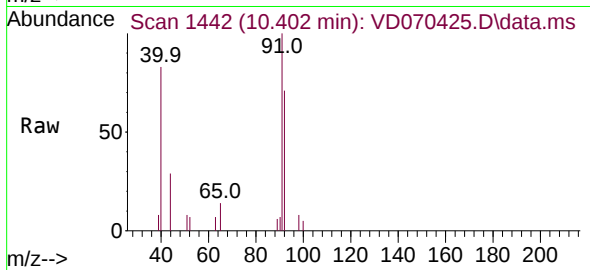
SB-1-(8.0-9.0)

Tgt Ion: 92 Resp: 4046

Ion Ratio Lower Upper

92 100

91 172.3 136.2 204.2



#58

2-Chloroethyl Vinyl ether

Concen: 1.065 ug/l

RT: 9.926 min Scan# 1361

Delta R.T. -0.012 min

Lab File: VD070425.D

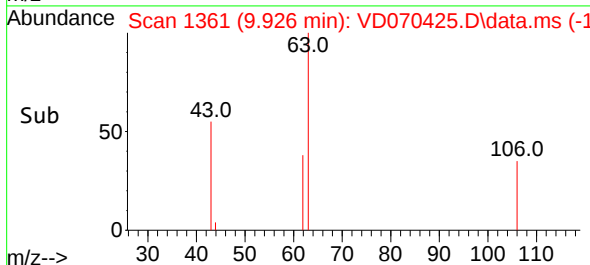
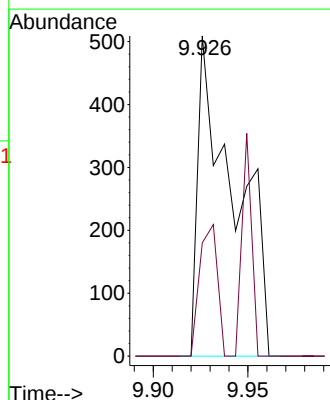
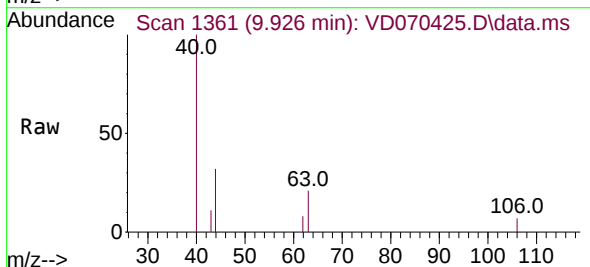
Acq: 22 Sep 2021 14:29

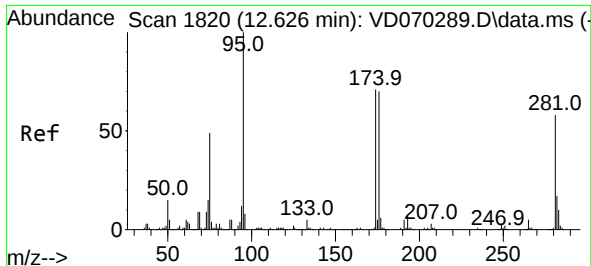
Tgt Ion: 63 Resp: 676

Ion Ratio Lower Upper

63 100

106 20.3 22.3 33.5#

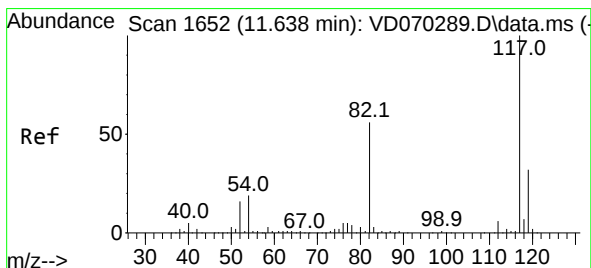
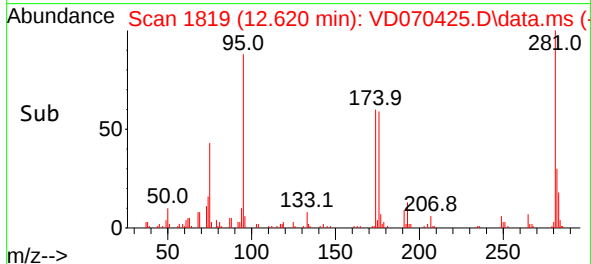
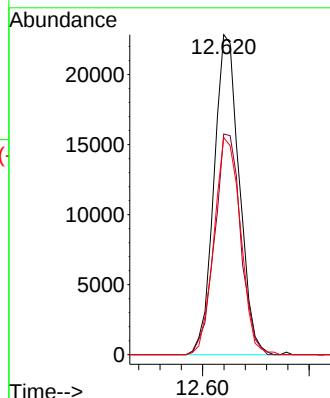
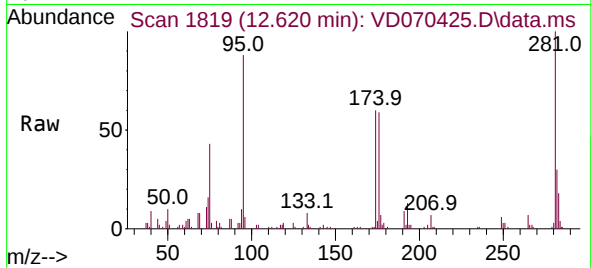




#62
4-Bromofluorobenzene
Concen: 20.044 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

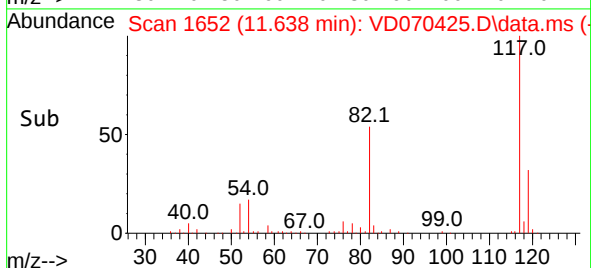
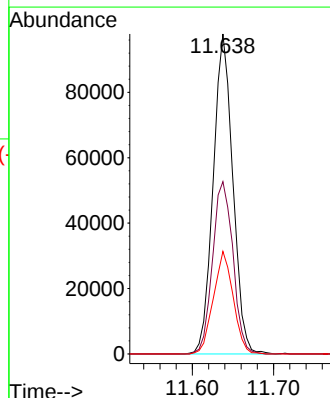
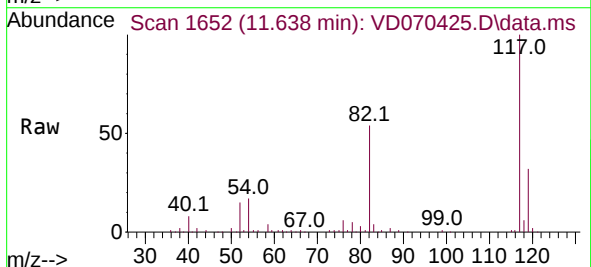
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(8.0-9.0)

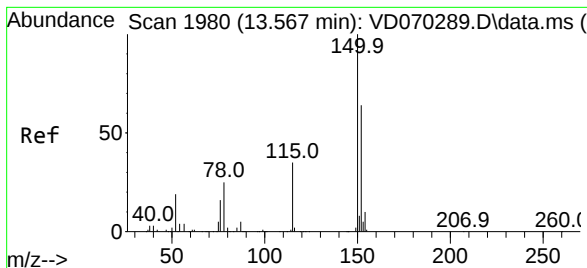
Tgt Ion: 95 Resp: 37518
Ion Ratio Lower Upper
95 100
174 71.4 0.0 140.6
176 71.3 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Tgt Ion: 117 Resp: 164606
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 32.0 25.2 37.8

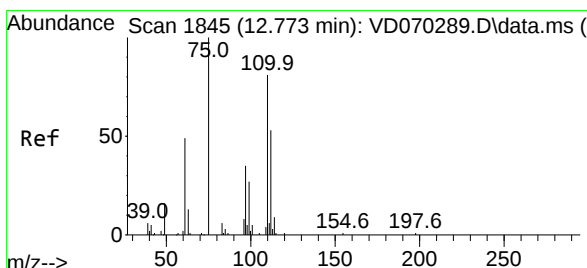
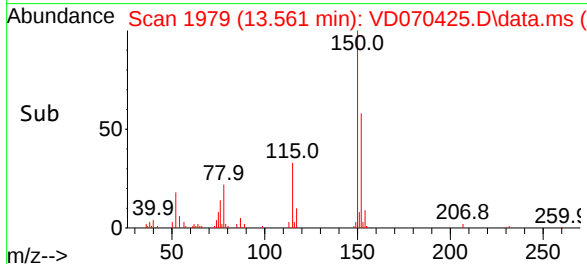
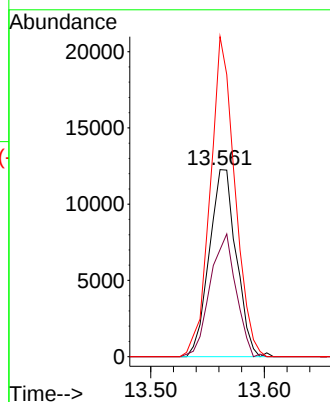
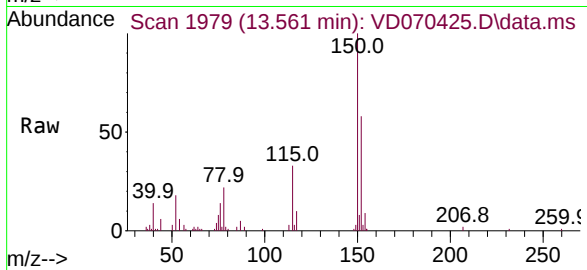




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

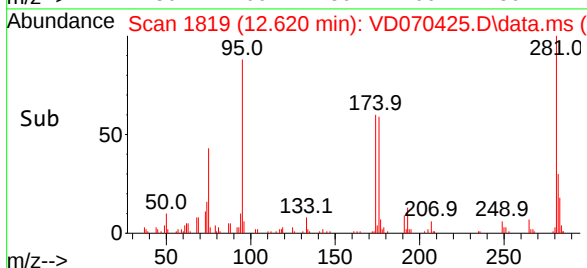
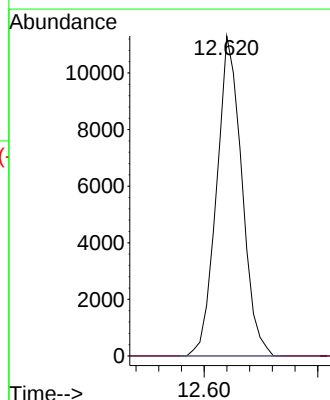
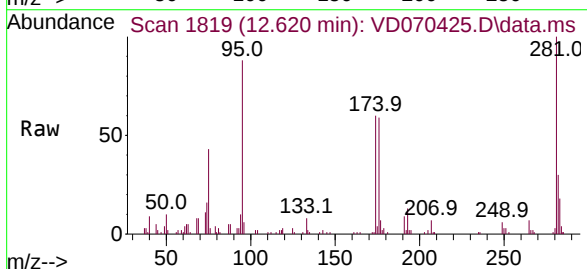
Instrument :
MSVOA_D
ClientSampleId :
SB-1-(8.0-9.0)

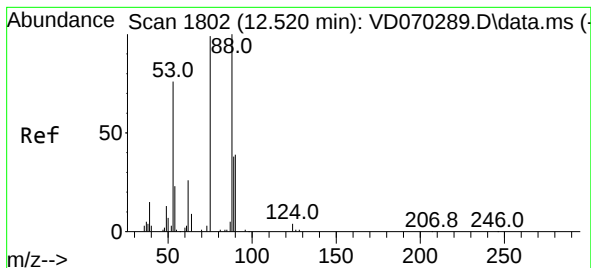
Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	32.1	96.3
150	155.9	0.0	350.6



#76
1,2,3-Trichloropropane
Concen: 84.983 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	174.9	524.7#

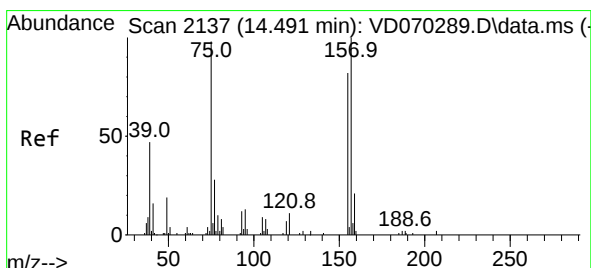
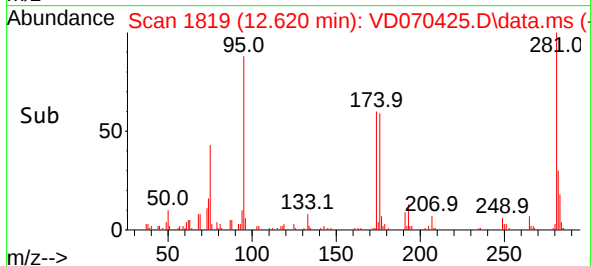
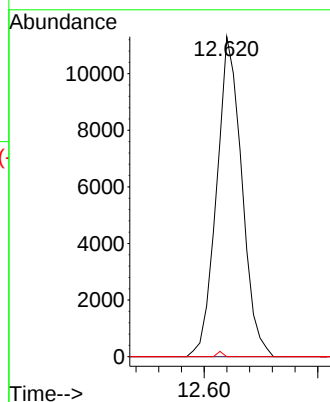
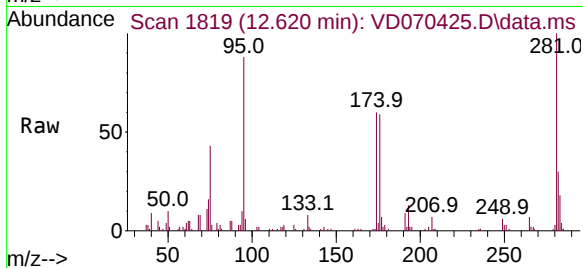




#81
trans-1,4-Dichloro-2-butene
Concen: 212.933 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Instrument :
MSVOA_D
ClientSampleId :
SB-1-(8.0-9.0)

Tgt Ion: 75 Resp: 17421
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.4 35.6 53.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.711 ug/l
RT: 14.714 min Scan# 2175
Delta R.T. 0.223 min
Lab File: VD070425.D
Acq: 22 Sep 2021 14:29

Tgt Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.9#
157 0.0 48.9 146.6#

