

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070432.D
 Acq On : 22 Sep 2021 17:47
 Operator : VA/SY
 Sample : M3867-02RE
 Misc : 9.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(8.5-9.5)RE

Quant Time: Sep 23 05:34:40 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)

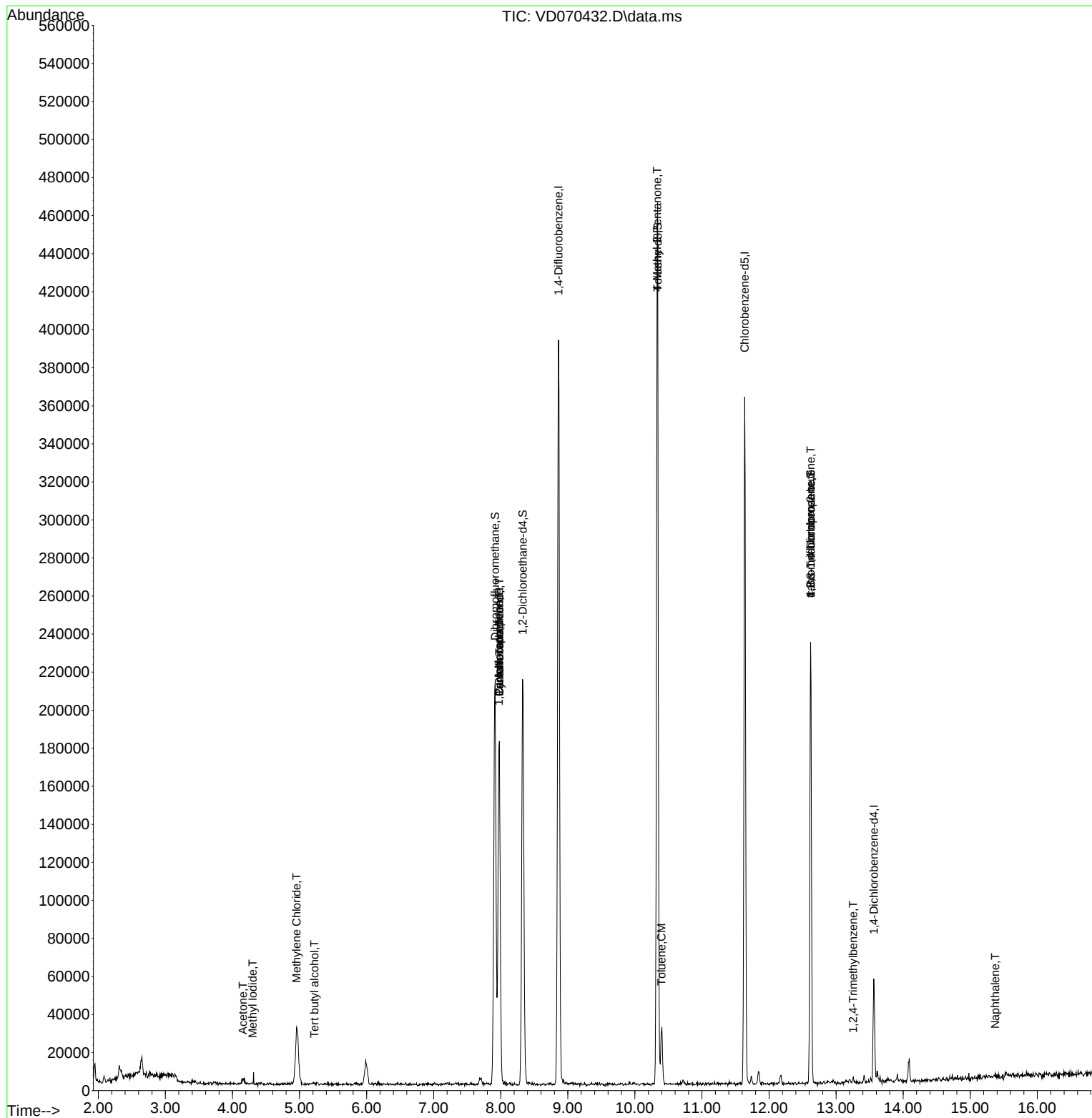
Internal Standards						
1) Pentafluorobenzene	7.979	168	127643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	342866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	212686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	14804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	168115	102.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 205.140%#	
35) Dibromofluoromethane	7.914	113	155788	63.833	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.660%	
50) Toluene-d8	10.338	98	326264	36.820	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 73.640%	
62) 4-Bromofluorobenzene	12.620	95	30662	9.901	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 19.800%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	54	Below Cal	#	43
3) Chloromethane	2.203	50	384	Below Cal	#	1
5) Bromomethane	2.774	94	785	Below Cal	#	69
6) Chloroethane	3.062	64	66	Below Cal	#	43
10) Methyl Iodide	4.303	142	194	1.149	ug/l #	39
11) Tert butyl alcohol	5.220	59	285	1.538	ug/l #	100
16) Acetone	4.156	43	5122	17.504	ug/l	94
18) Methyl Acetate	4.956	43	62	Below Cal	#	48
20) Methylene Chloride	4.956	84	24615	7.295	ug/l	93
31) Cyclohexane	7.979	56	3276	1.160	ug/l #	22
36) 1,1-Dichloropropene	7.973	75	11227	3.063	ug/l #	48
38) Carbon Tetrachloride	7.979	117	14685	4.052	ug/l #	19
51) 4-Methyl-2-Pentanone	10.332	43	1425	1.087	ug/l #	1
52) Toluene	10.397	92	12199	1.880	ug/l	93
76) 1,2,3-Trichloropropane	12.620	75	16193	108.138	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	16193	270.949	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.255	105	1351	1.531	ug/l	91
95) Naphthalene	15.373	128	501	1.160	ug/l #	69

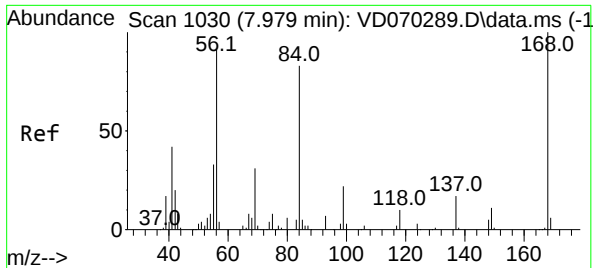
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-2-(8.5-9.5)RE

Quant Time: Sep 23 05:34:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

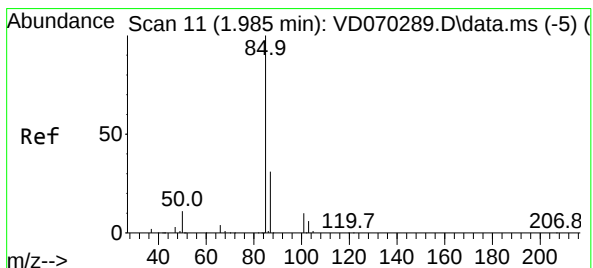
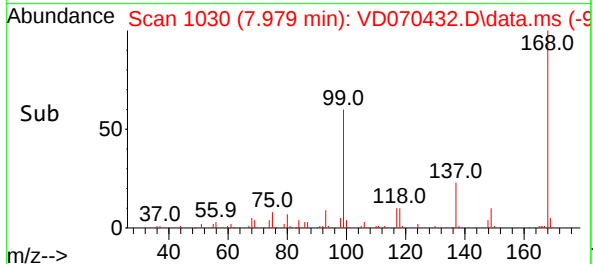
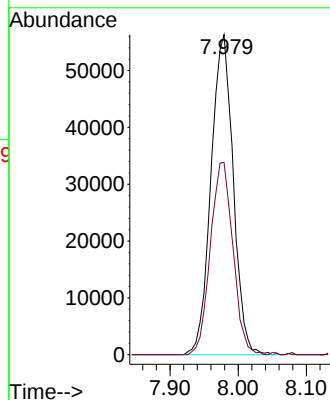
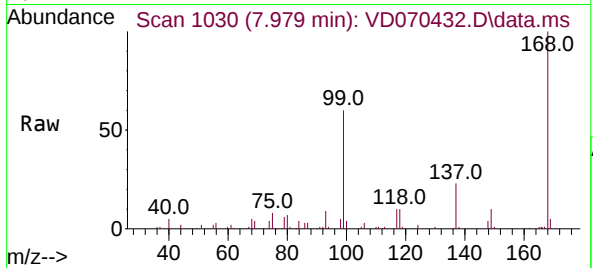




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

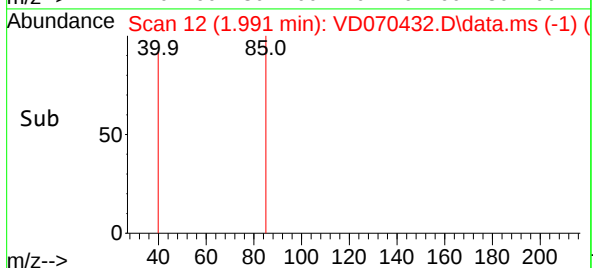
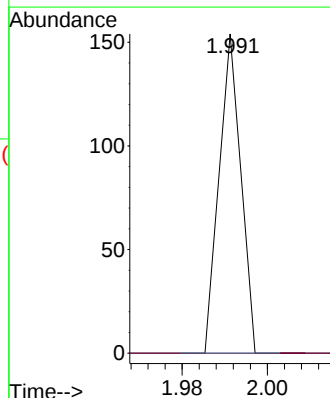
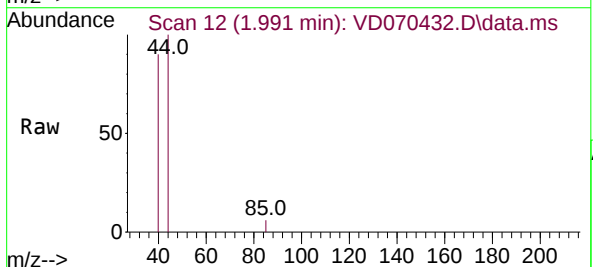
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)RE

Tgt Ion:168 Resp: 127643
Ion Ratio Lower Upper
168 100
99 60.1 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

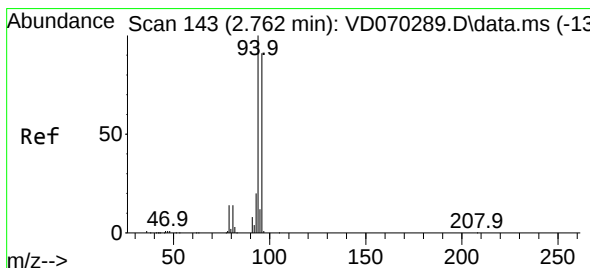
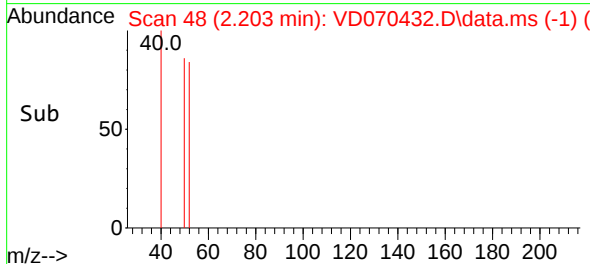
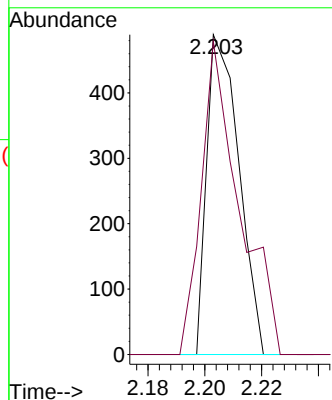
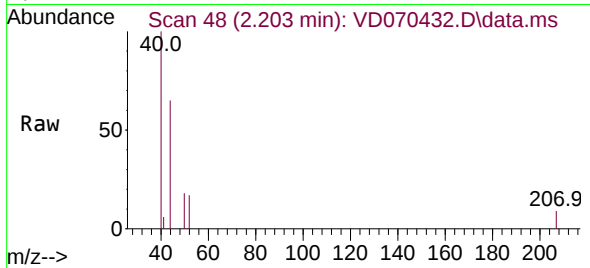




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

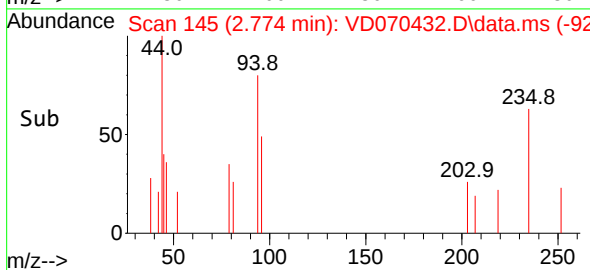
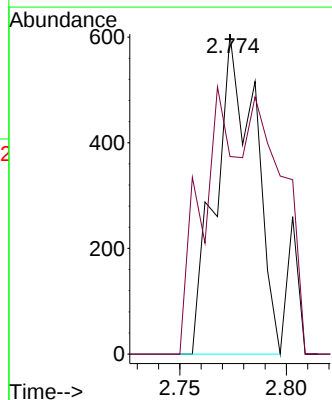
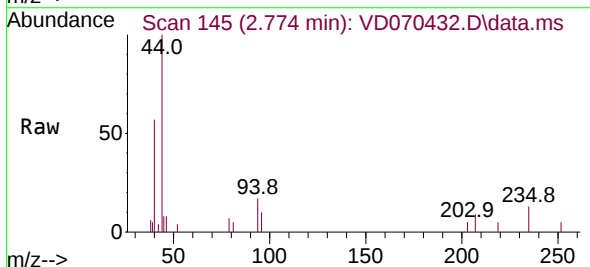
Instrument :
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ClientSampleId :
SB-2-(8.5-9.5)RE

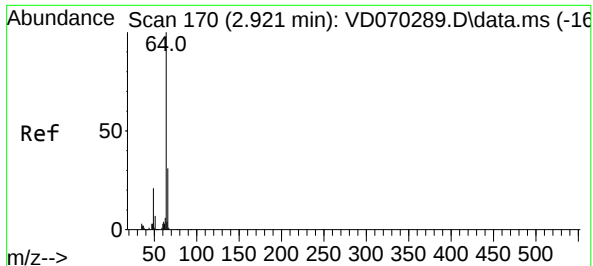
Tgt Ion: 50 Resp: 384
Ion Ratio Lower Upper
50 100
52 98.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Tgt Ion: 94 Resp: 785
Ion Ratio Lower Upper
94 100
96 61.7 73.0 109.6#

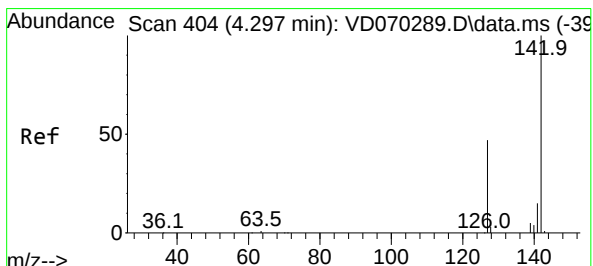
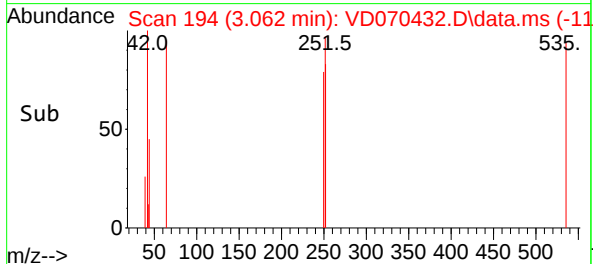
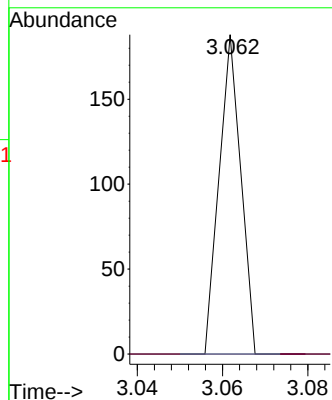
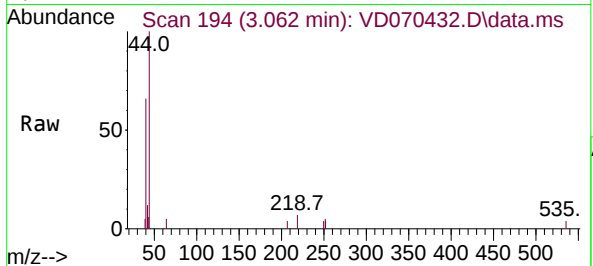




#6
Chloroethane
Concen: Below Cal
RT: 3.062 min Scan# 194
Delta R.T. 0.141 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

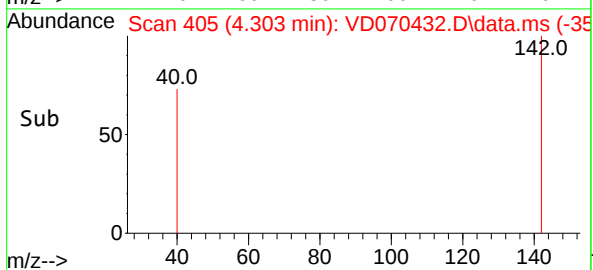
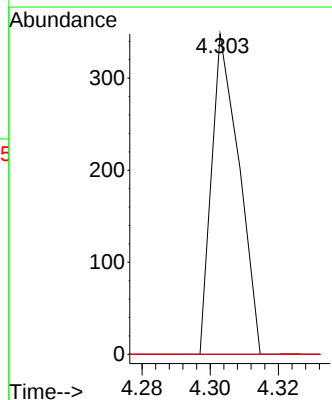
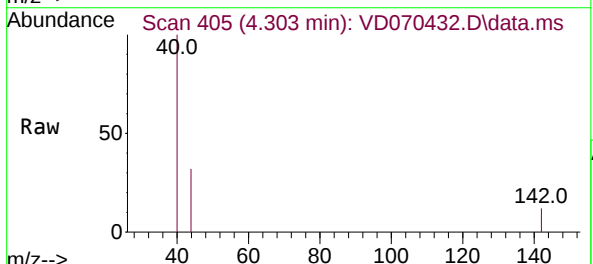
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)RE

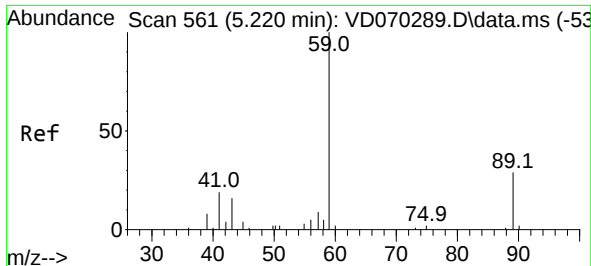
Tgt Ion: 64 Resp: 66
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.149 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Tgt Ion: 142 Resp: 194
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

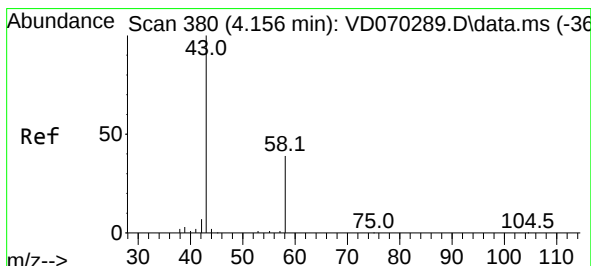
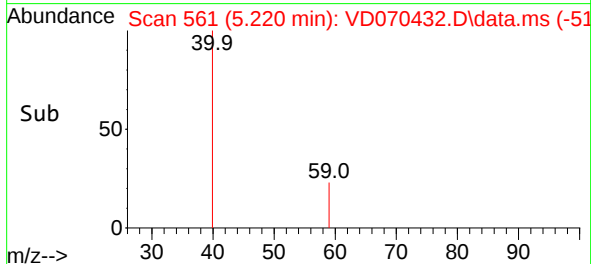
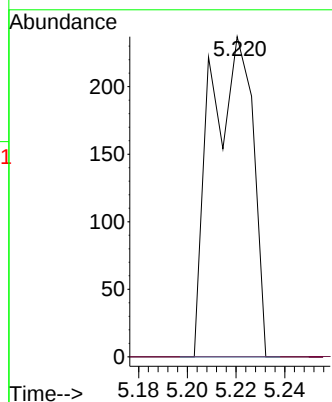
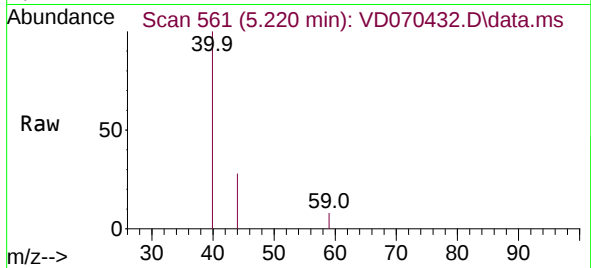




#11
Tert butyl alcohol
Concen: 1.538 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

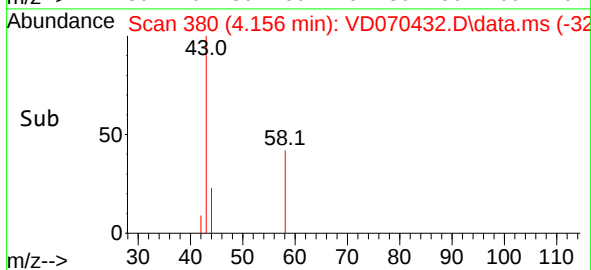
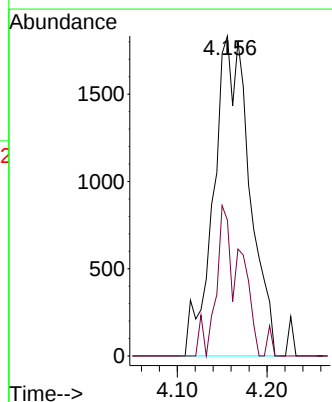
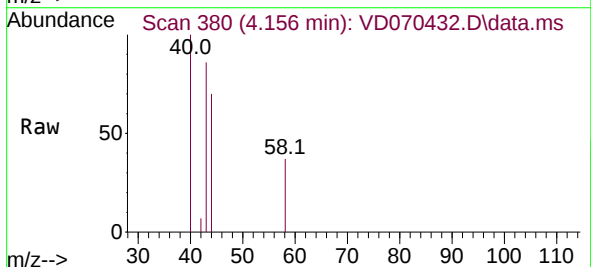
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)RE

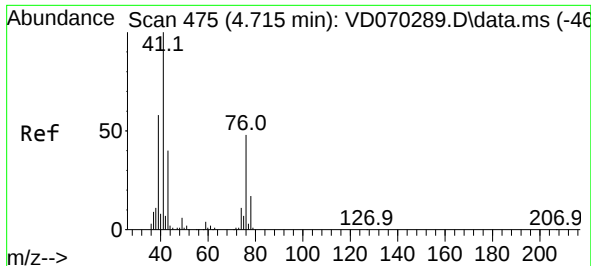
Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 17.504 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Tgt Ion: 43 Resp: 5122
Ion Ratio Lower Upper
43 100
58 42.5 30.9 46.3





#18

Methyl Acetate

Concen: Below Cal

RT: 4.956 min Scan# 516

Delta R.T. 0.241 min

Lab File: VD070432.D

Acq: 22 Sep 2021 17:47

Instrument :

MSVOA_D

ClientSampleId :

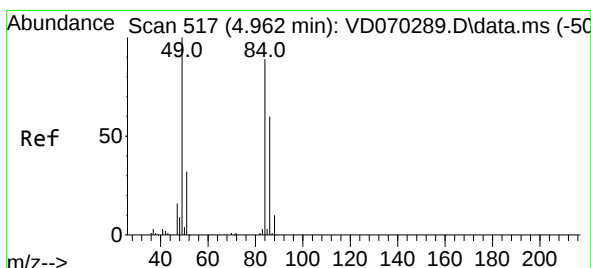
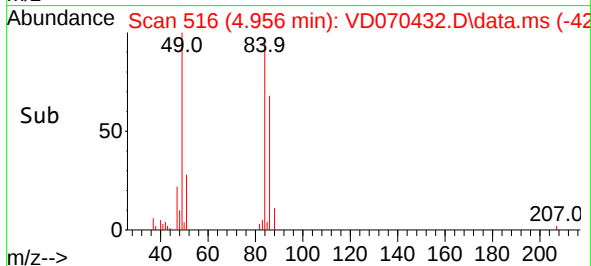
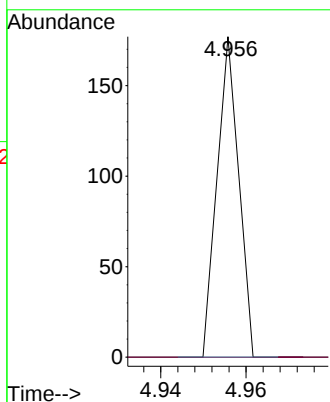
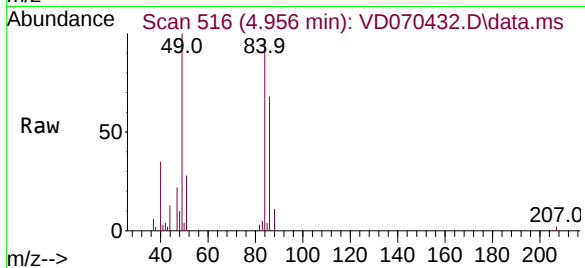
SB-2-(8.5-9.5)RE

Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: 7.295 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD070432.D

Acq: 22 Sep 2021 17:47

Tgt Ion: 84 Resp: 24615

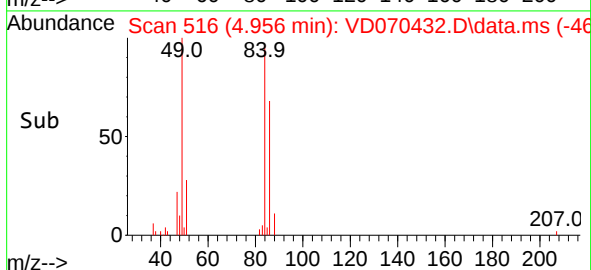
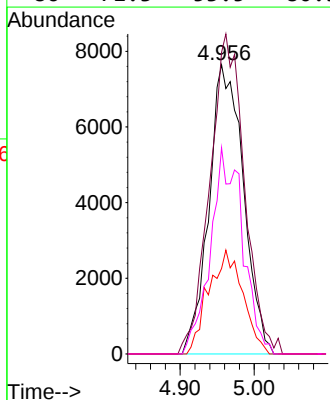
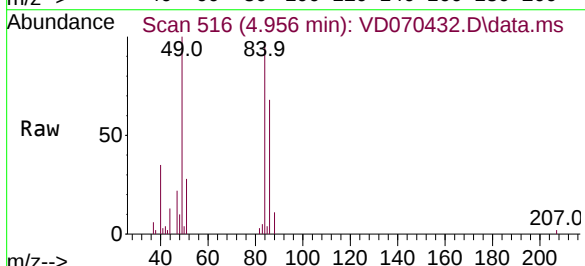
Ion Ratio Lower Upper

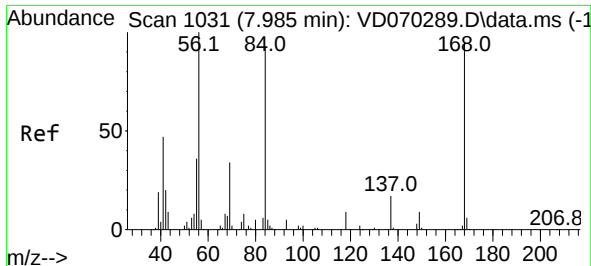
84 100

49 104.3 89.6 134.4

51 29.6 28.6 43.0

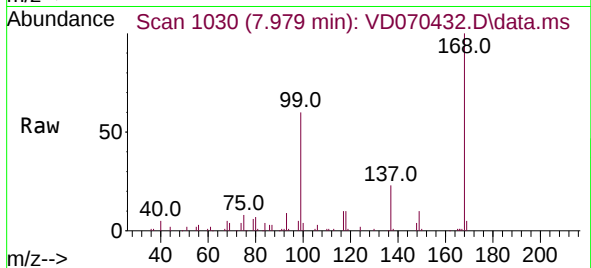
86 71.3 53.5 80.3



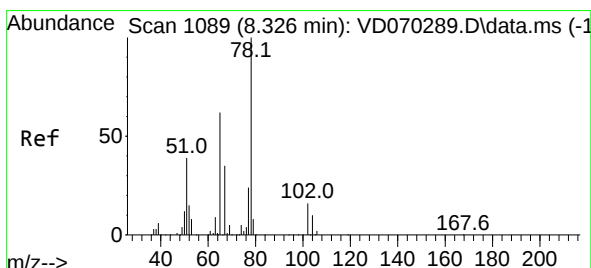
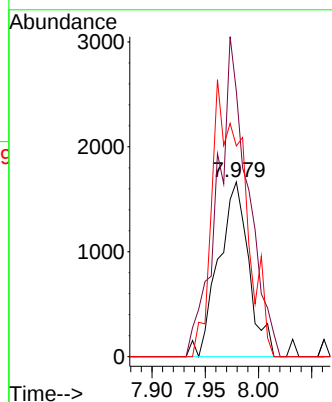
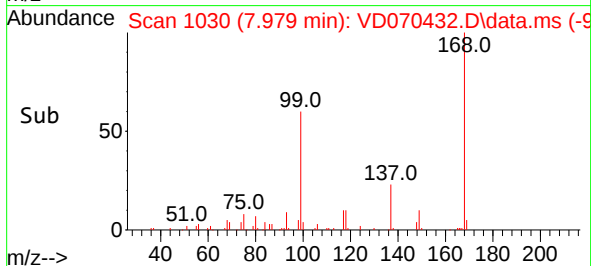


#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

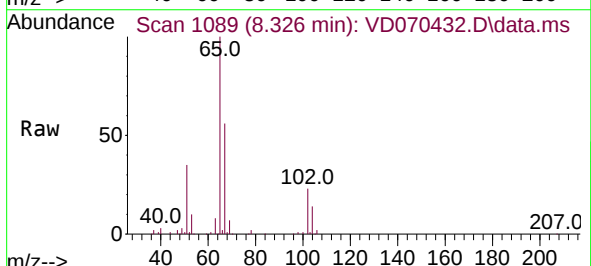
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)RE



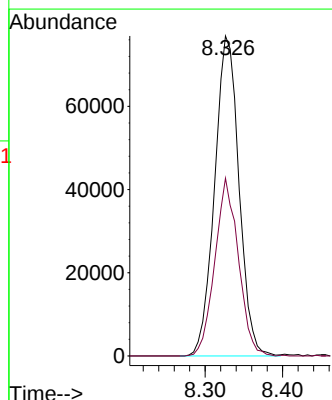
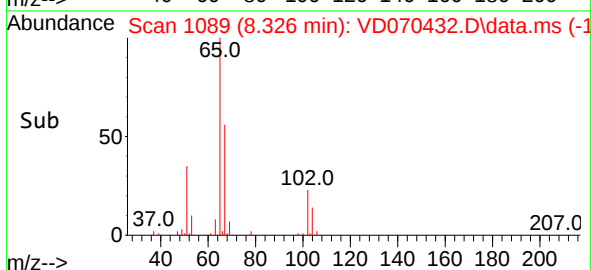
Tgt Ion: 56 Resp: 3276
Ion Ratio Lower Upper
56 100
69 151.8 26.9 40.3#
84 120.7 73.6 110.4#

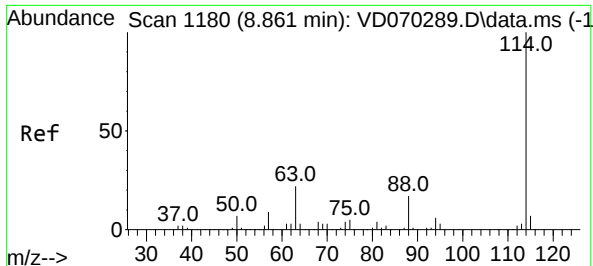


#33
1,2-Dichloroethane-d4
Concen: 102.574 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47



Tgt Ion: 65 Resp: 168115
Ion Ratio Lower Upper
65 100
67 53.6 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: VD070432.D

Acq: 22 Sep 2021 17:47

Tgt Ion:114 Resp: 342866

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.4

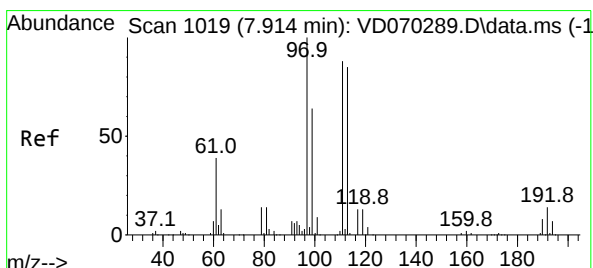
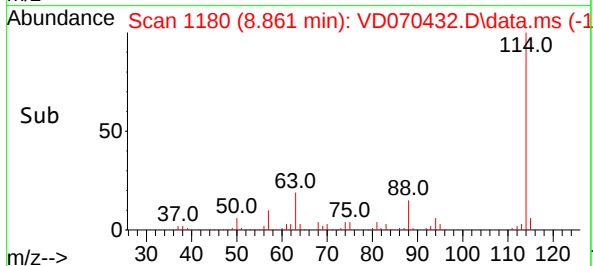
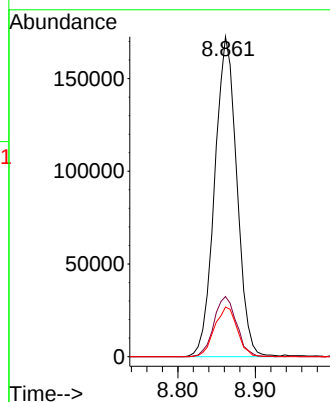
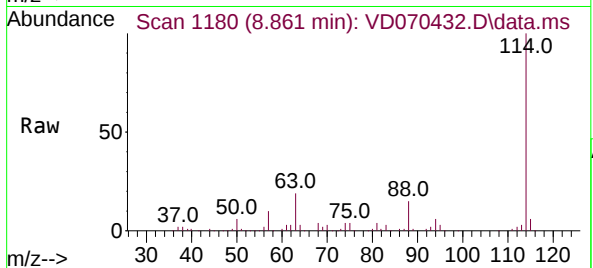
88 15.5 0.0 33.4

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(8.5-9.5)RE



#35

Dibromofluoromethane

Concen: 63.833 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070432.D

Acq: 22 Sep 2021 17:47

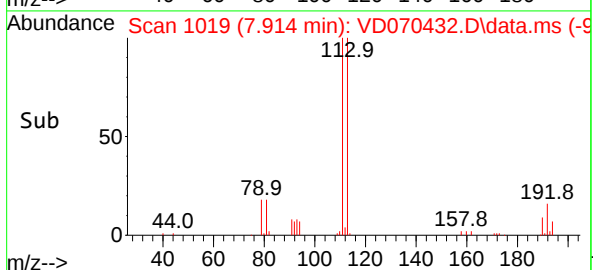
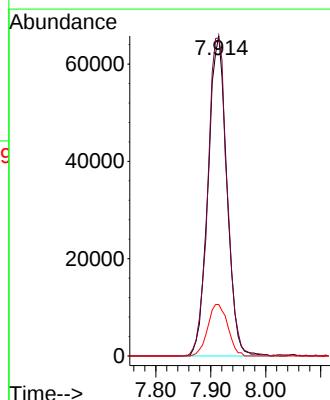
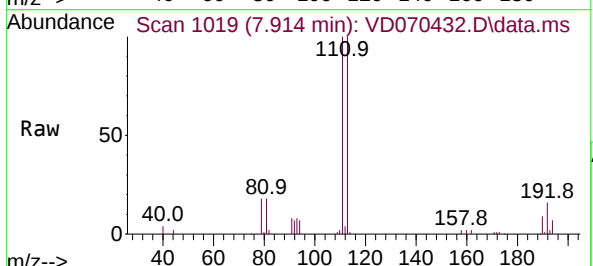
Tgt Ion:113 Resp: 155788

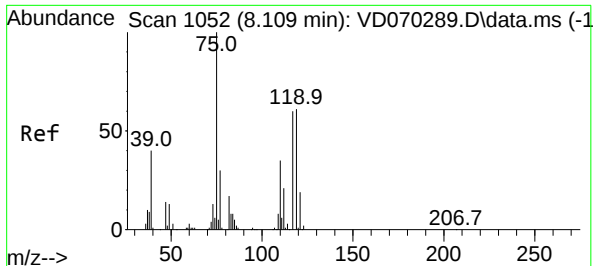
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.2

192 17.2 13.0 19.6

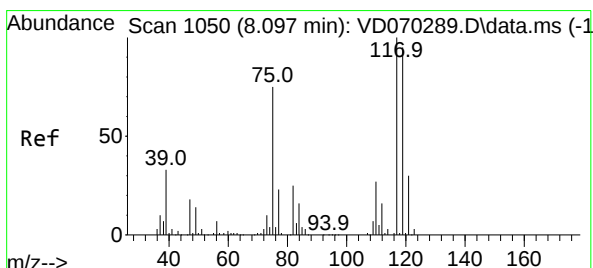
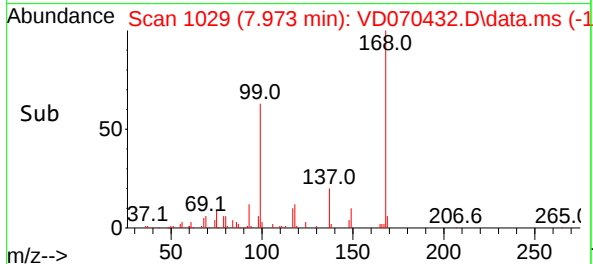
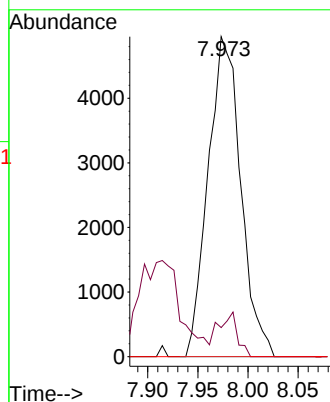
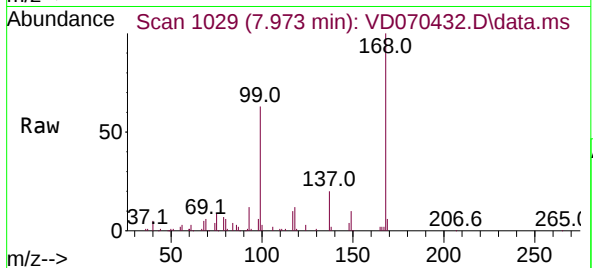




#36
1,1-Dichloropropene
Concen: 3.063 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

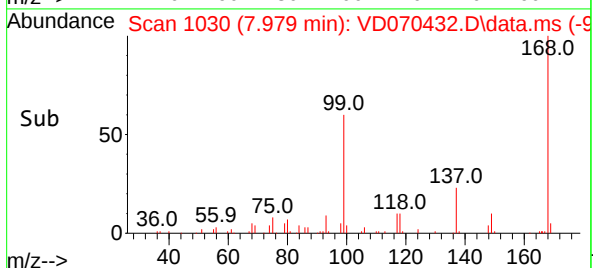
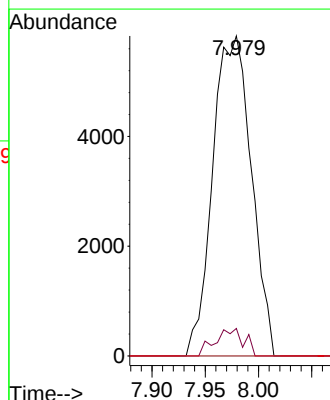
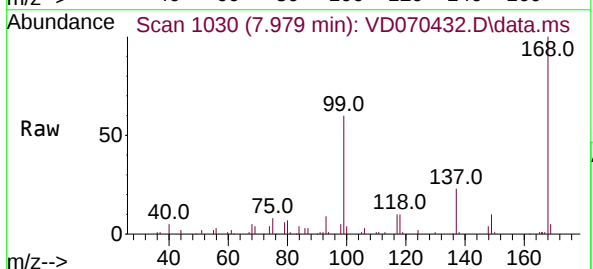
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)RE

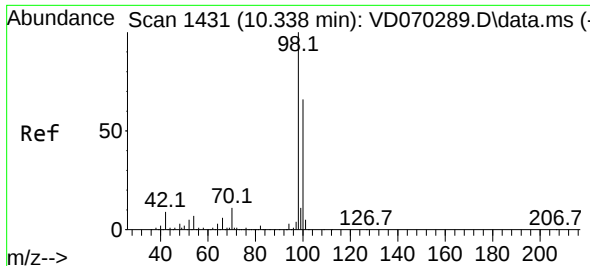
Tgt Ion: 75 Resp: 11227
Ion Ratio Lower Upper
75 100
110 8.1 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.052 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Tgt Ion: 117 Resp: 14685
Ion Ratio Lower Upper
117 100
119 8.6 76.1 114.1#
121 0.0 23.8 35.6#

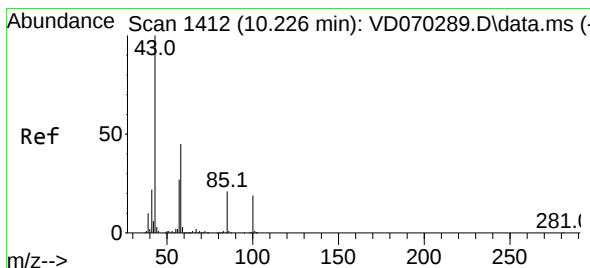
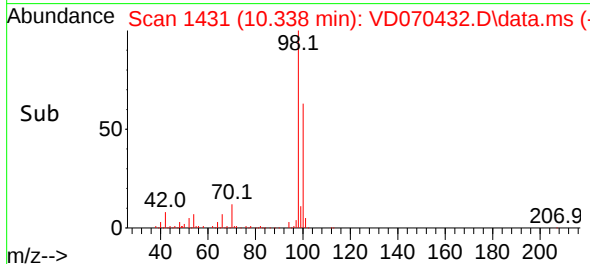
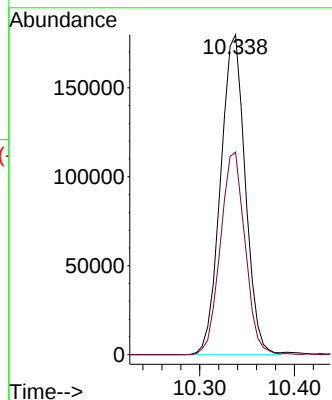
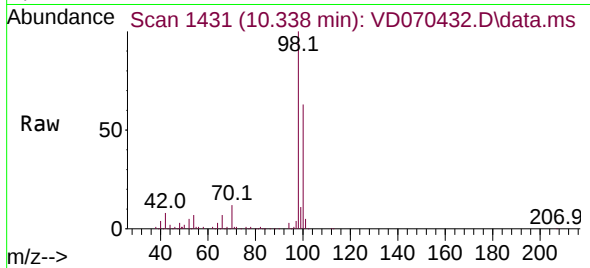




#50
Toluene-d8
Concen: 36.820 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

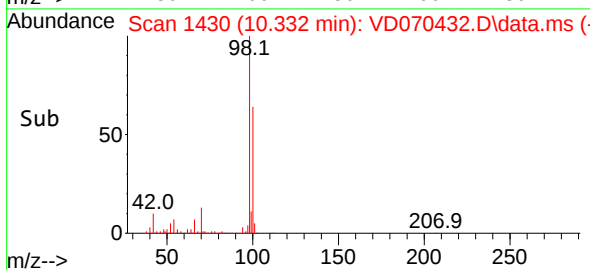
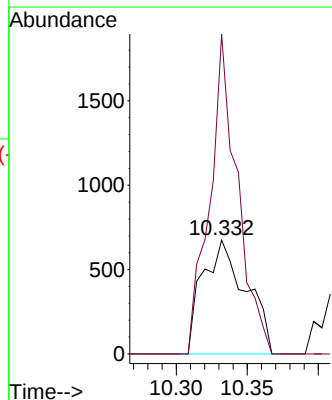
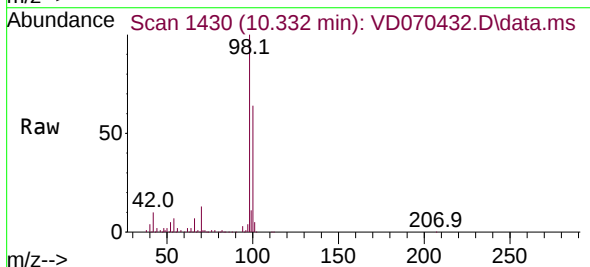
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)RE

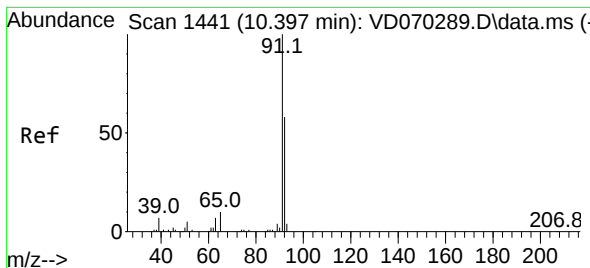
Tgt Ion: 98 Resp: 326264
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.087 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
58 181.5 35.4 53.2#





#52

Toluene

Concen: 1.880 ug/l

RT: 10.397 min Scan# 1441

Delta R.T. 0.000 min

Lab File: VD070432.D

Acq: 22 Sep 2021 17:47

Instrument :

MSVOA_D

ClientSampleId :

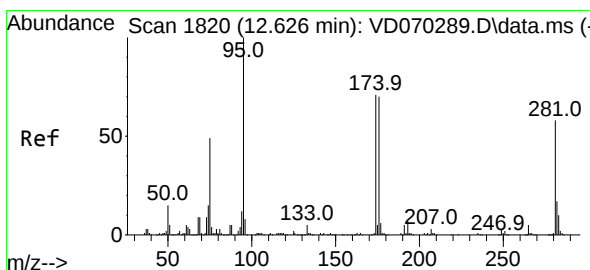
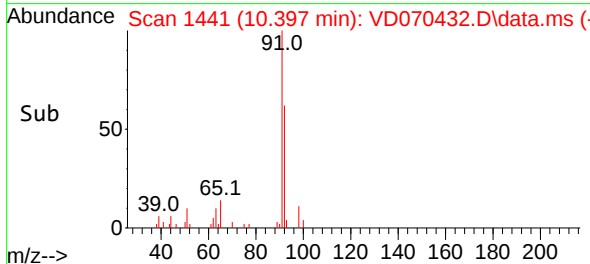
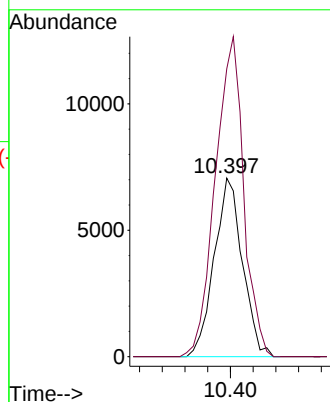
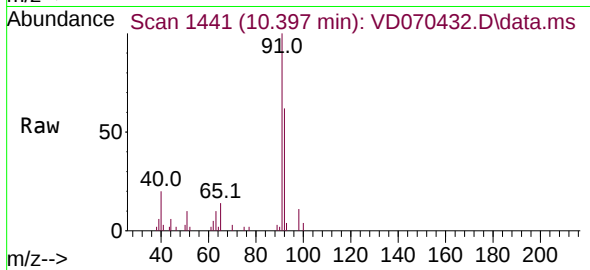
SB-2-(8.5-9.5)RE

Tgt Ion: 92 Resp: 12199

Ion Ratio Lower Upper

92 100

91 179.7 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 9.901 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD070432.D

Acq: 22 Sep 2021 17:47

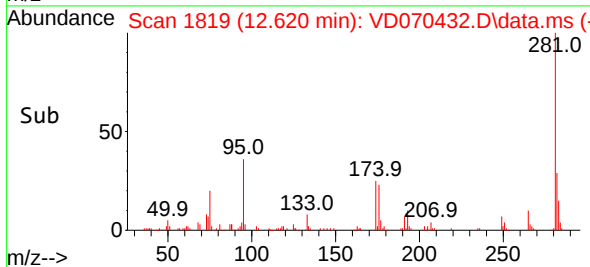
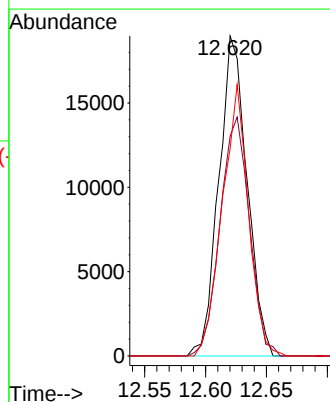
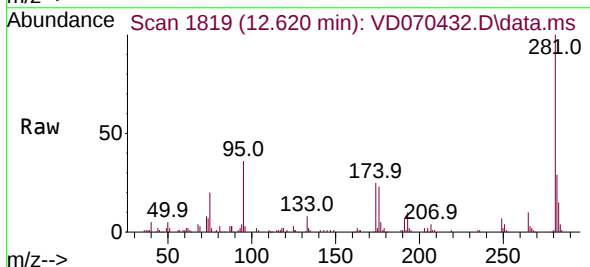
Tgt Ion: 95 Resp: 30662

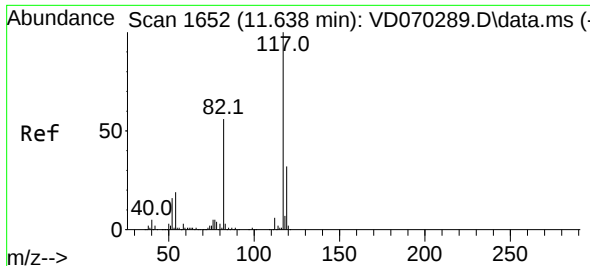
Ion Ratio Lower Upper

95 100

174 77.6 0.0 140.6

176 79.0 0.0 137.4

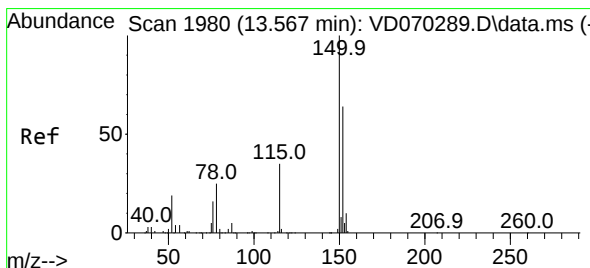
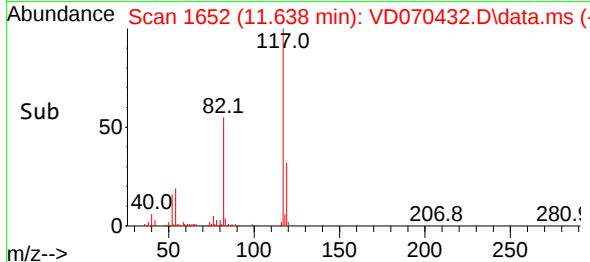
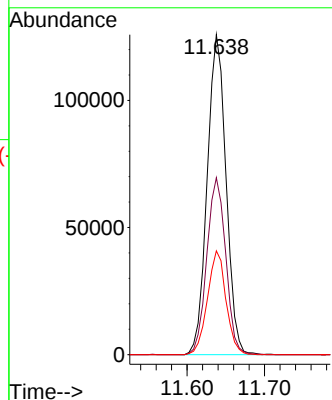
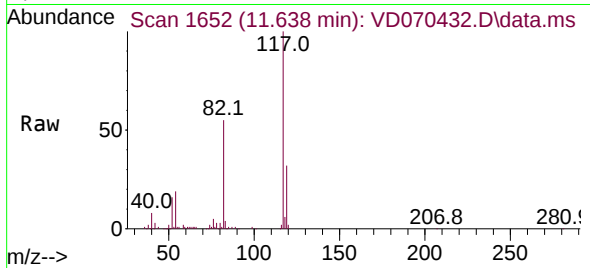




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

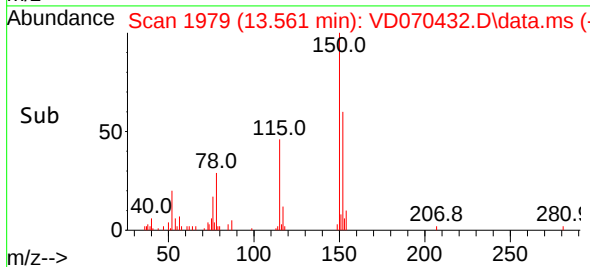
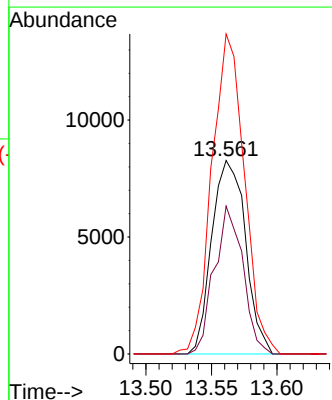
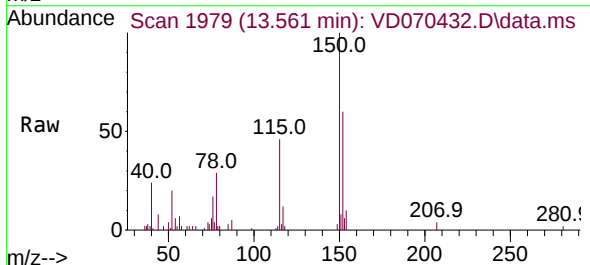
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)RE

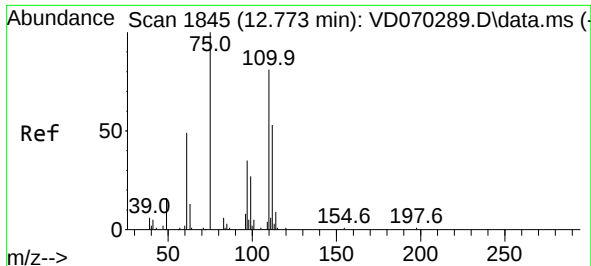
Tgt Ion:	117	Resp:	212686
Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.0	67.4
119	32.4	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Tgt Ion:	152	Resp:	14804
Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.1	96.3
150	159.1	0.0	350.6

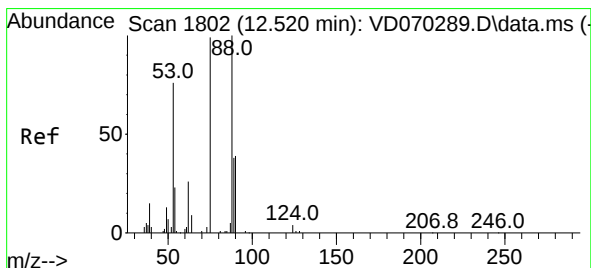
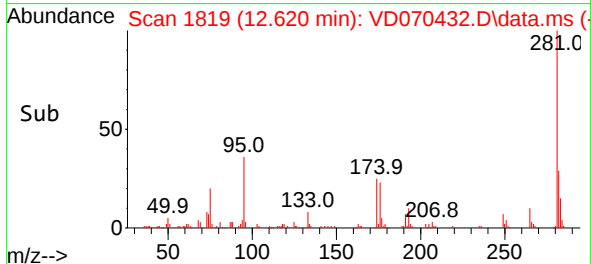
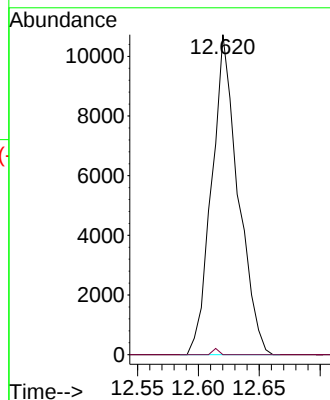
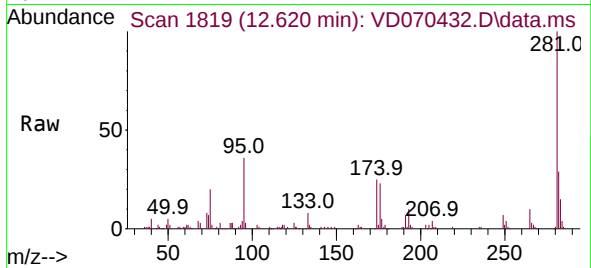




#76
1,2,3-Trichloropropane
Concen: 108.138 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

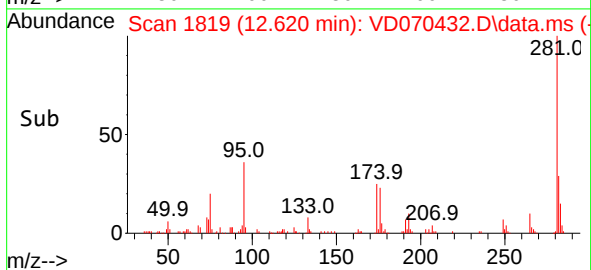
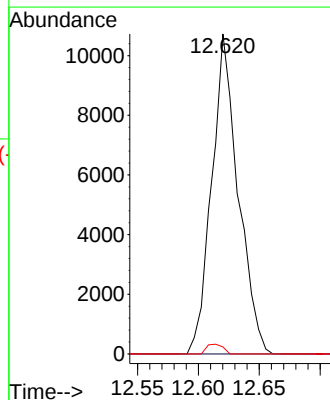
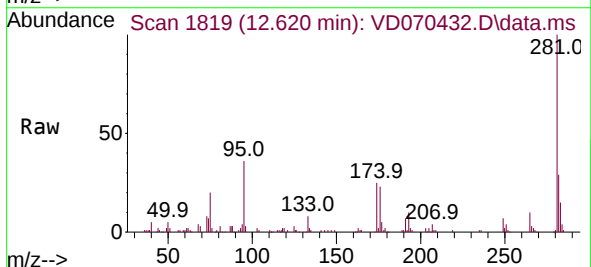
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)RE

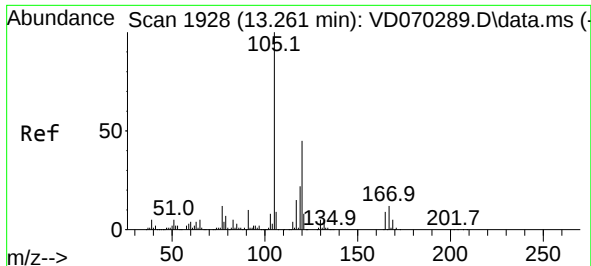
Tgt Ion: 75 Resp: 16193
Ion Ratio Lower Upper
75 100
77 0.5 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 270.949 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Tgt Ion: 75 Resp: 16193
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 1.9 35.6 53.4#

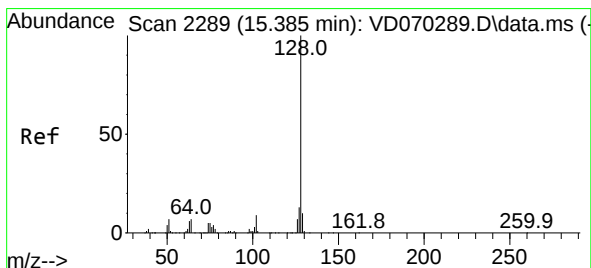
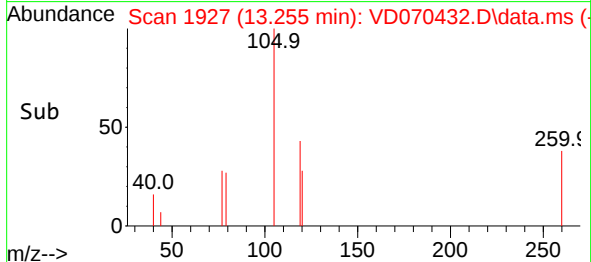
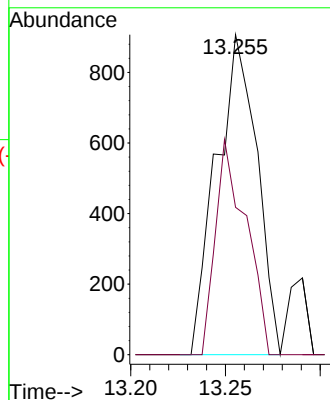
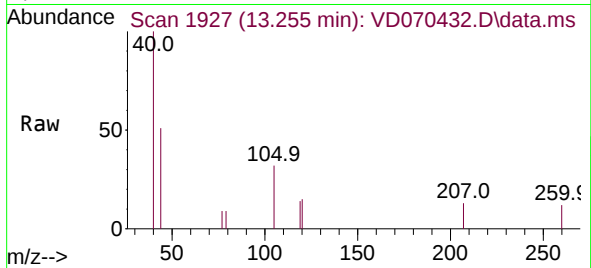




#84
1,2,4-Trimethylbenzene
Concen: 1.531 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)RE

Tgt Ion:105 Resp: 1351
Ion Ratio Lower Upper
105 100
120 50.5 22.3 66.8



#95
Naphthalene
Concen: 1.160 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD070432.D
Acq: 22 Sep 2021 17:47

Tgt Ion:128 Resp: 501
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.4#

