

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070426.D
 Acq On : 22 Sep 2021 14:58
 Operator : VA/SY
 Sample : M3867-02
 Misc : 9.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 23 05:32:34 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)

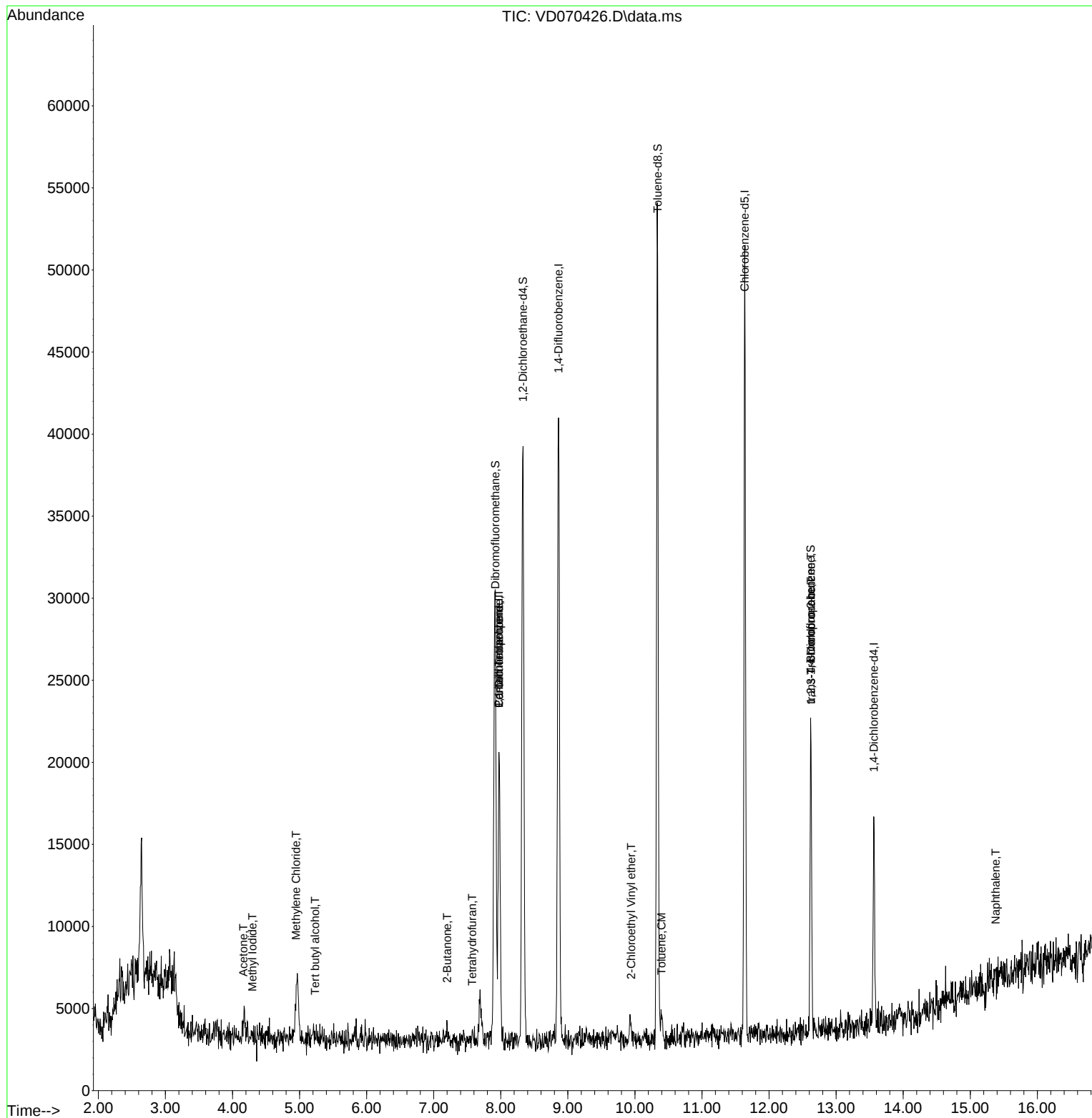
Internal Standards						
1) Pentafluorobenzene	7.973	168	12332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	33829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	26874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	3801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	29193	184.363	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 368.720%#			
35) Dibromofluoromethane	7.920	113	20280	84.220	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 168.440%#			
50) Toluene-d8	10.337	98	35064	40.106	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 80.220%			
62) 4-Bromofluorobenzene	12.620	95	6710	21.960	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 43.920%			
Target Compounds						Qvalue
3) Chloromethane	2.214	50	305	Below Cal	#	42
5) Bromomethane	2.773	94	458	Below Cal		84
6) Chloroethane	2.867	64	61	Below Cal	#	43
10) Methyl Iodide	4.297	142	58	1.401	ug/l #	39
11) Tert butyl alcohol	5.232	59	319	17.817	ug/l #	100
16) Acetone	4.161	43	1539	54.439	ug/l #	87
18) Methyl Acetate	4.720	43	72	Below Cal	#	48
20) Methylene Chloride	4.949	84	3422	14.228	ug/l #	72
25) 2-Butanone	7.202	43	66	1.754	ug/l #	47
29) Tetrahydrofuran	7.573	42	156	6.458	ug/l #	29
36) 1,1-Dichloropropene	7.973	75	726	2.008	ug/l #	41
38) Carbon Tetrachloride	7.973	117	1456	4.071	ug/l #	12
52) Toluene	10.396	92	819	1.279	ug/l #	53
58) 2-Chloroethyl Vinyl ether	9.943	63	700	6.755	ug/l	100
76) 1,2,3-Trichloropropane	12.625	75	2896	75.323	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	2896	188.729	ug/l #	17
95) Naphthalene	15.378	128	395	3.563	ug/l #	69

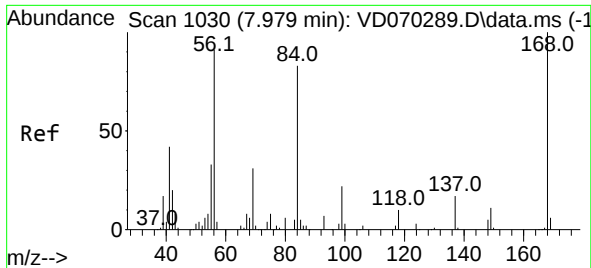
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-2-(8.5-9.5)

Quant Time: Sep 23 05:32:34 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

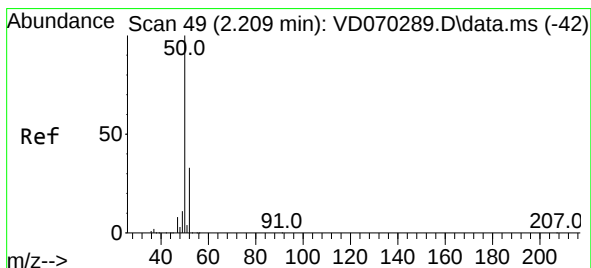
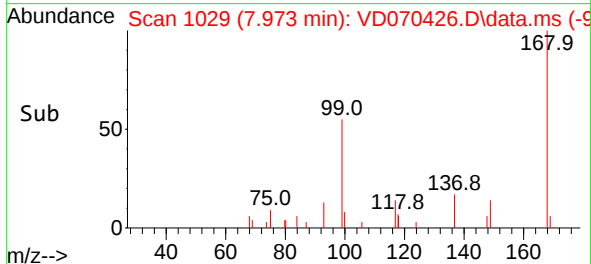
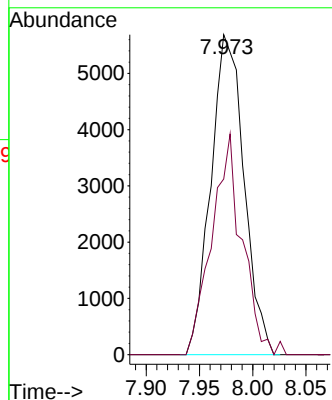
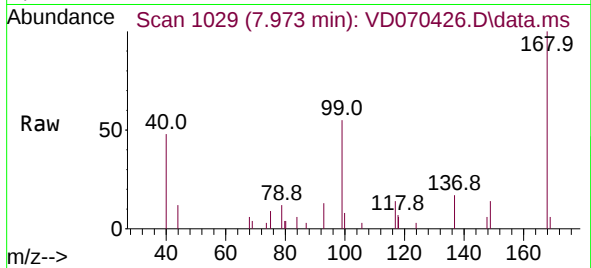




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

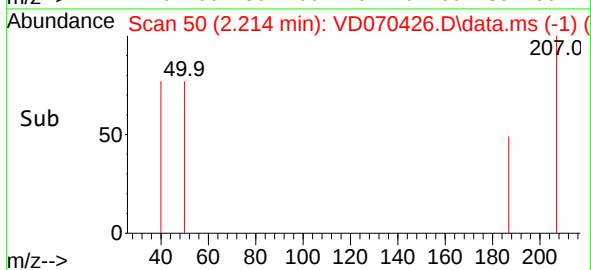
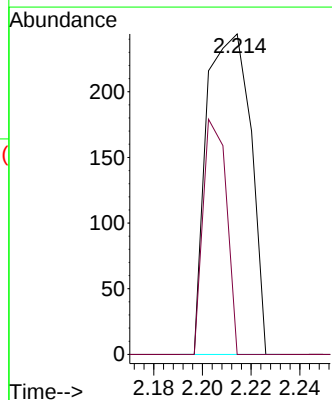
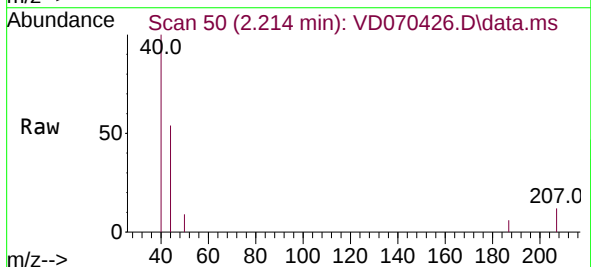
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)

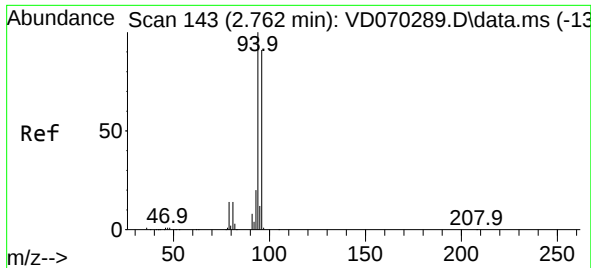
Tgt Ion:168 Resp: 12332
Ion Ratio Lower Upper
168 100
99 54.9 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.214 min Scan# 50
Delta R.T. 0.005 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

Tgt Ion: 50 Resp: 305
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

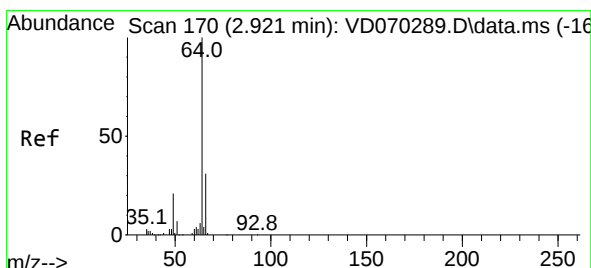
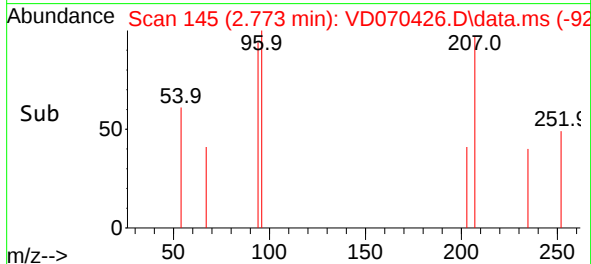
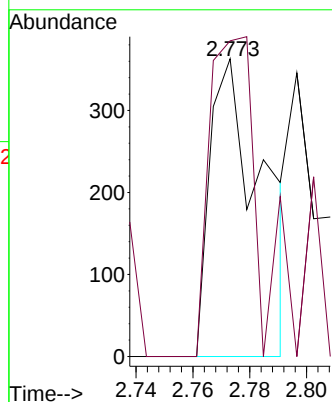
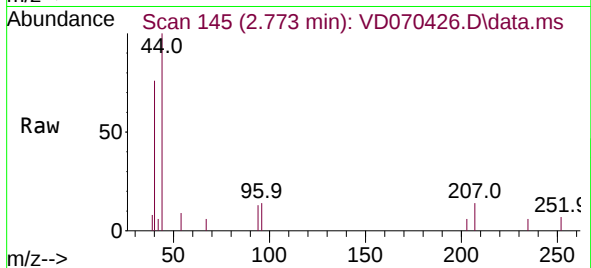




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

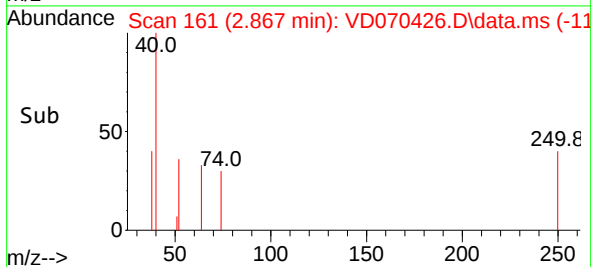
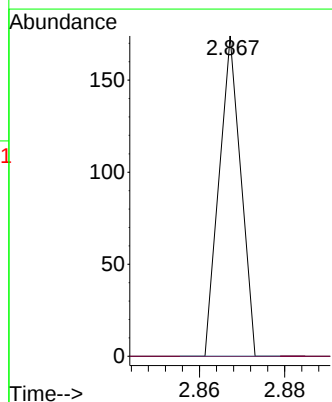
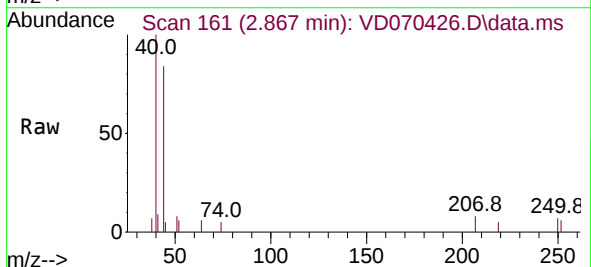
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)

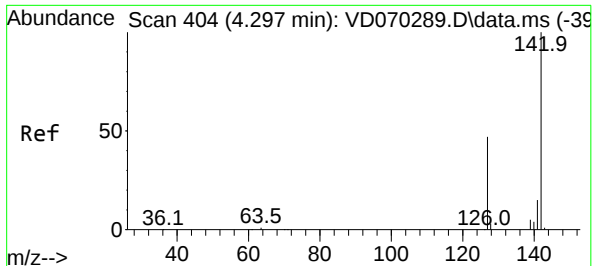
Tgt Ion: 94 Resp: 458
Ion Ratio Lower Upper
94 100
96 106.1 73.0 109.6



#6
Chloroethane
Concen: Below Cal
RT: 2.867 min Scan# 161
Delta R.T. -0.054 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

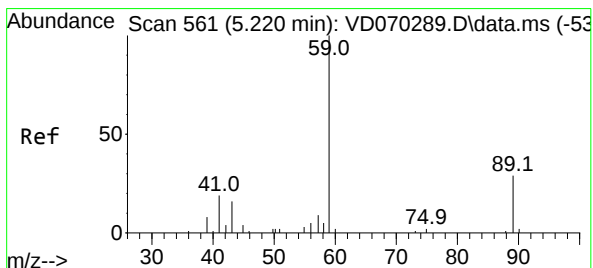
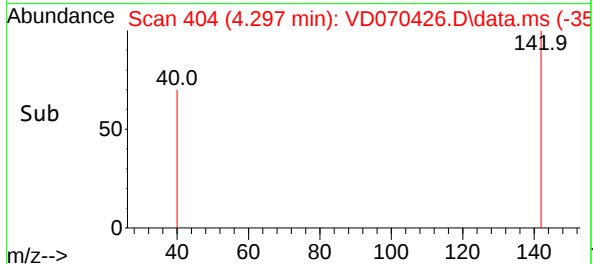
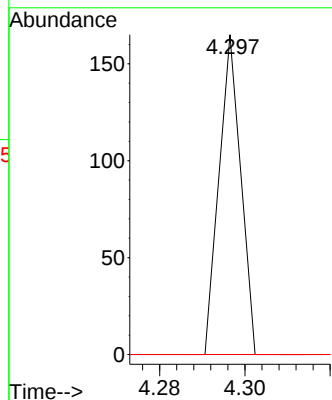
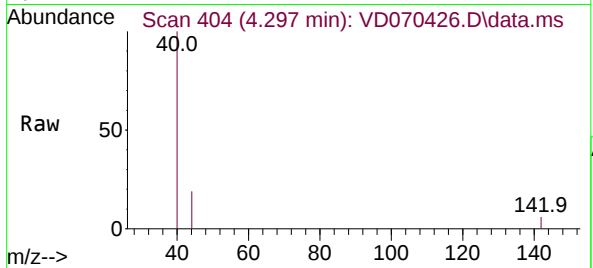




#10
Methyl Iodide
Concen: 1.401 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

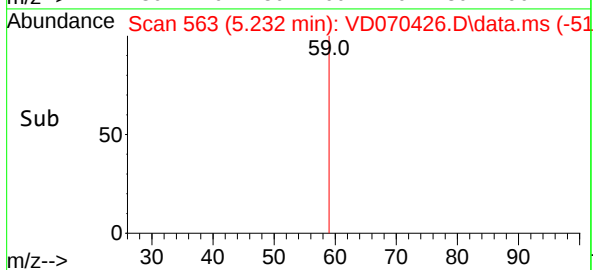
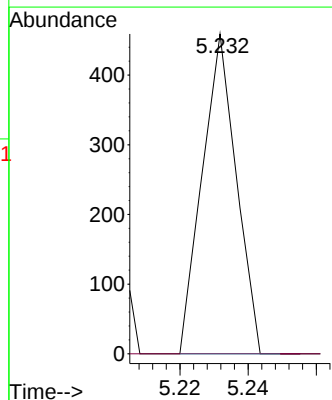
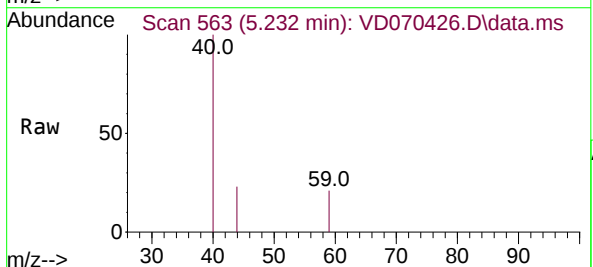
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)

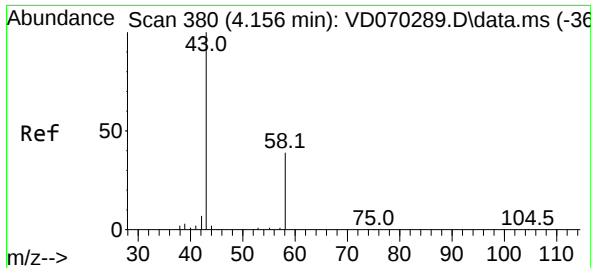
Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 17.817 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

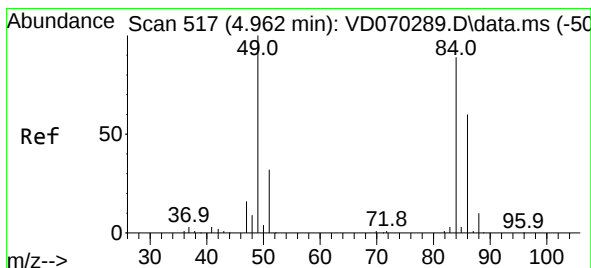
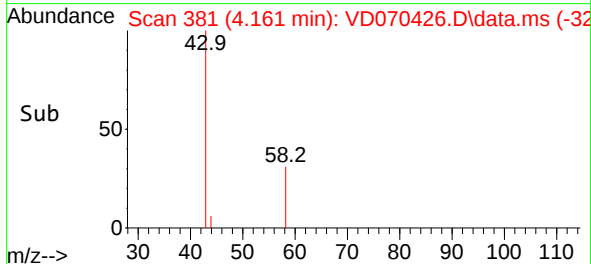
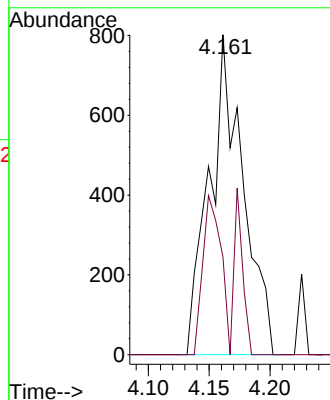
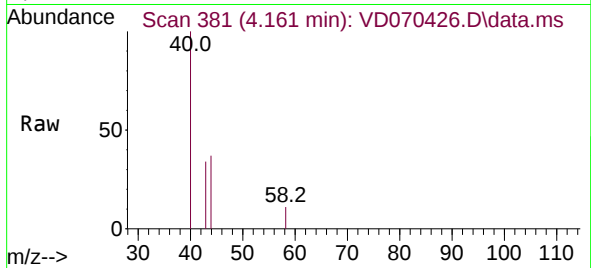




#16
Acetone
Concen: 54.439 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

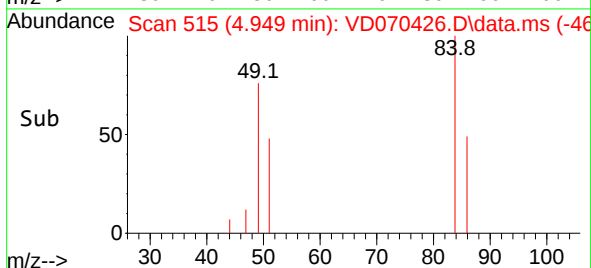
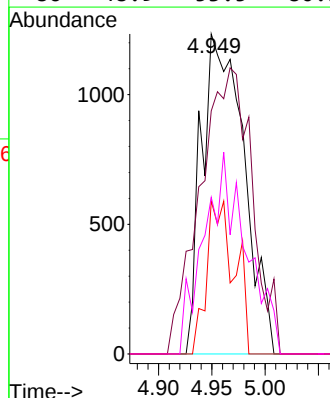
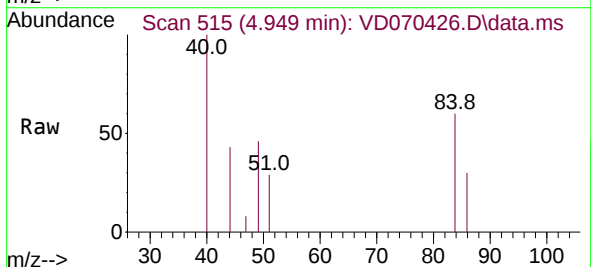
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)

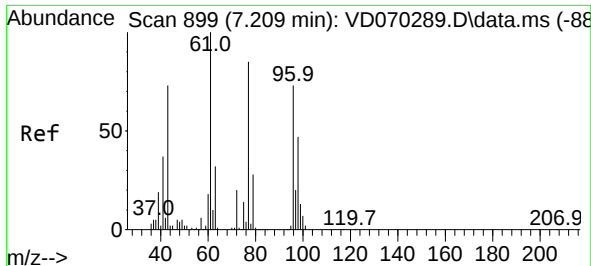
Tgt Ion: 43 Resp: 1539
Ion Ratio Lower Upper
43 100
58 30.7 30.9 46.3#



#20
Methylene Chloride
Concen: 14.228 ug/l
RT: 4.949 min Scan# 515
Delta R.T. -0.013 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

Tgt Ion: 84 Resp: 3422
Ion Ratio Lower Upper
84 100
49 75.9 89.6 134.4#
51 47.8 28.6 43.0#
86 48.9 53.5 80.3#

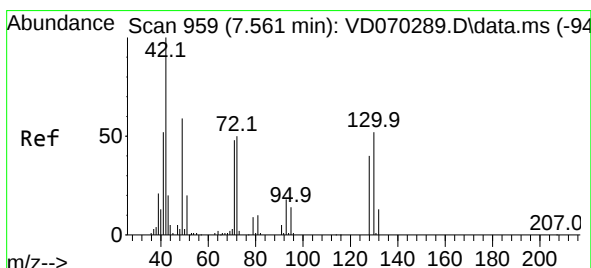
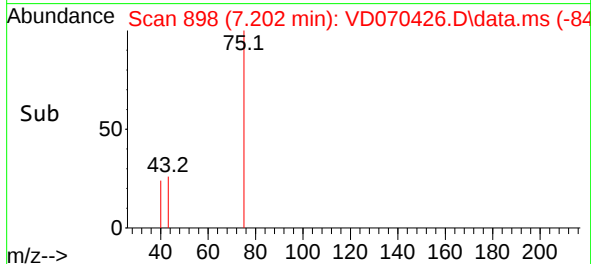
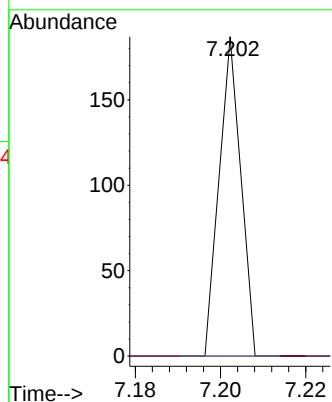
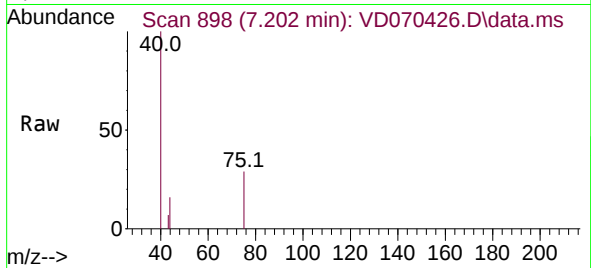




#25
2-Butanone
Concen: 1.754 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

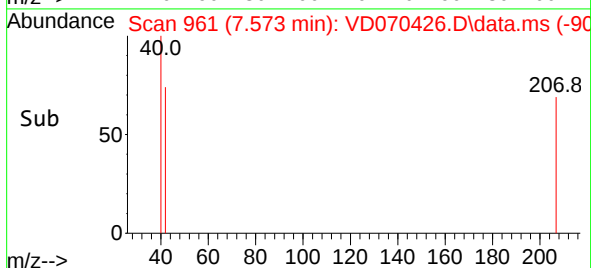
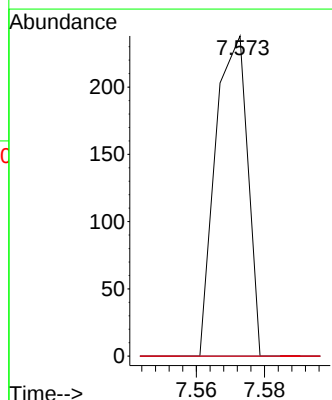
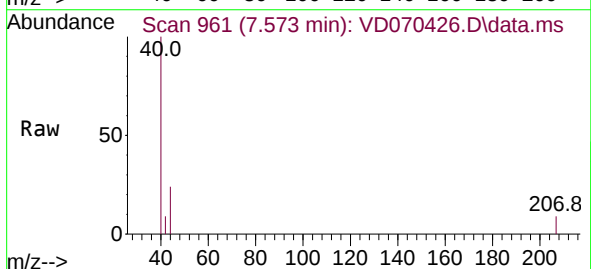
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)

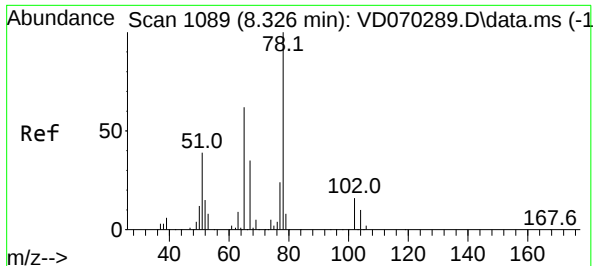
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#



#29
Tetrahydrofuran
Concen: 6.458 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.011 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

Tgt Ion: 42 Resp: 156
Ion Ratio Lower Upper
42 100
72 0.0 38.8 58.2#
71 0.0 37.8 56.6#

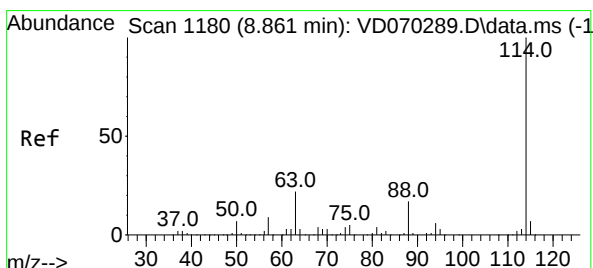
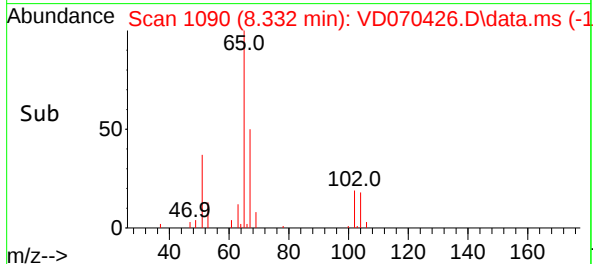
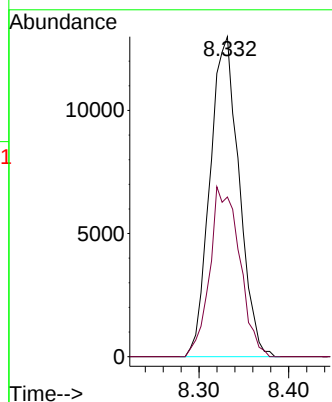
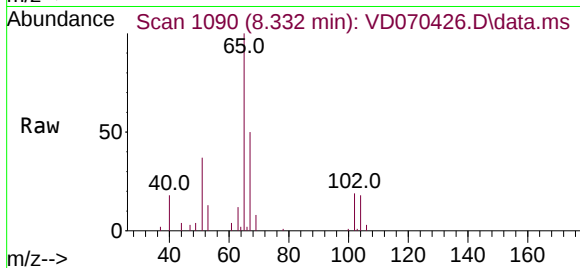




#33
1,2-Dichloroethane-d4
Concen: 184.363 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.005 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

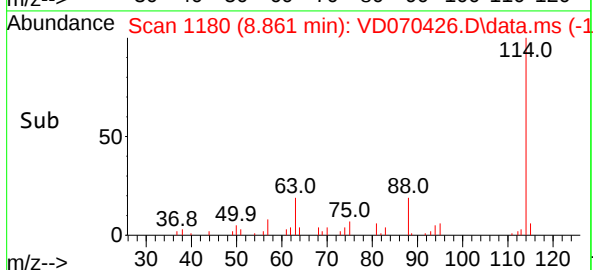
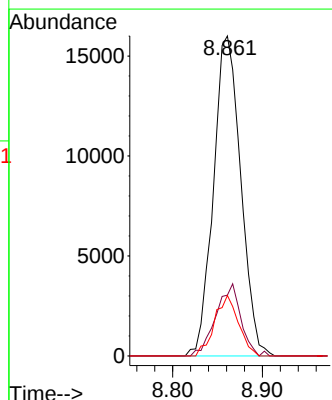
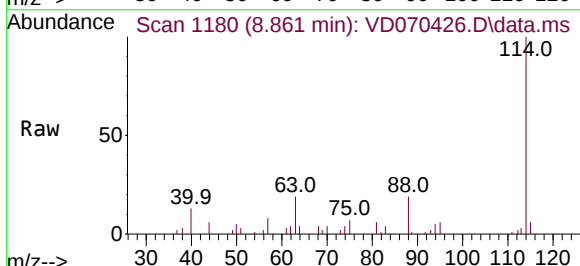
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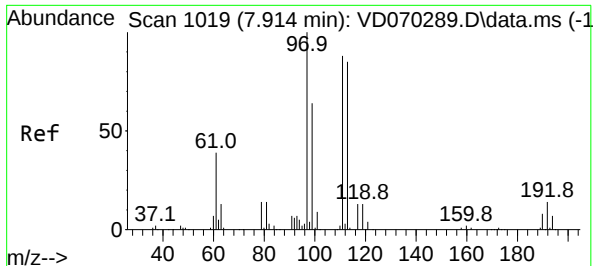
Tgt Ion: 65 Resp: 29193
Ion Ratio Lower Upper
65 100
67 54.4 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

Tgt Ion: 114 Resp: 33829
Ion Ratio Lower Upper
114 100
63 19.0 0.0 43.4
88 18.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 84.220 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.005 min

Lab File: VD070426.D

Acq: 22 Sep 2021 14:58

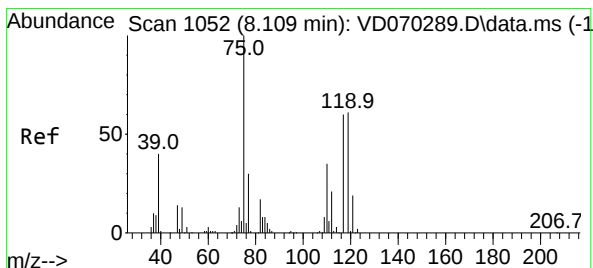
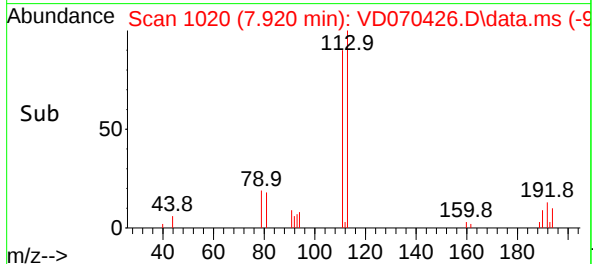
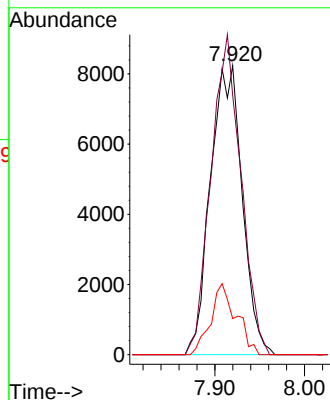
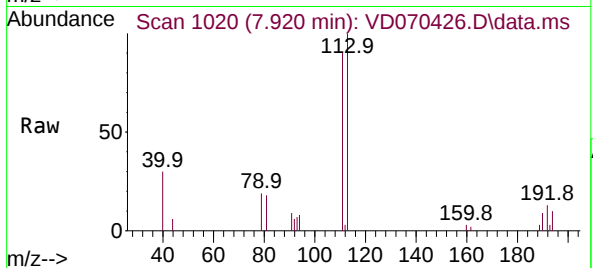
Tgt Ion:113 Resp: 20280

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

192 19.7 13.0 19.6#



#36

1,1-Dichloropropene

Concen: 2.008 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD070426.D

Acq: 22 Sep 2021 14:58

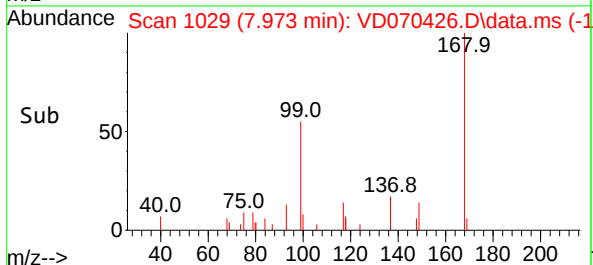
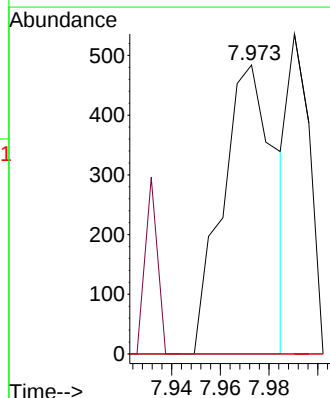
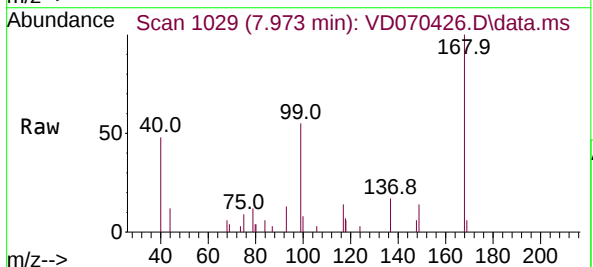
Tgt Ion: 75 Resp: 726

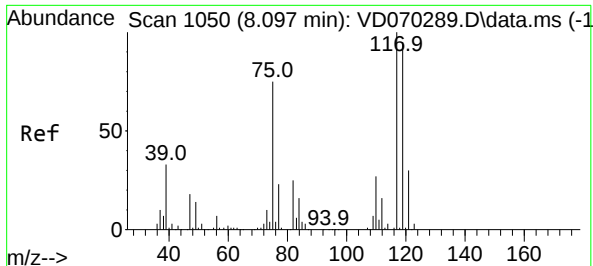
Ion Ratio Lower Upper

75 100

110 0.0 17.9 53.7#

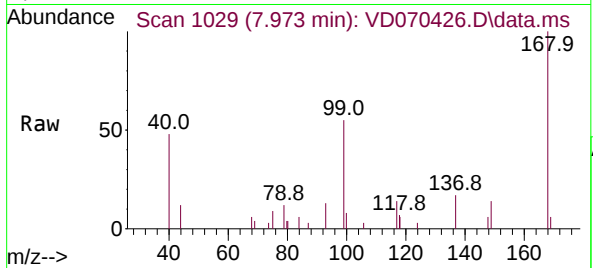
77 0.0 25.3 37.9#



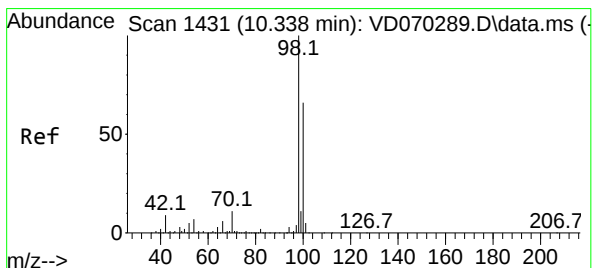
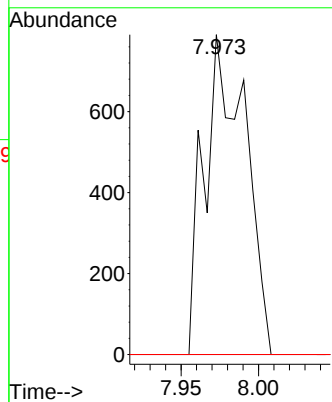
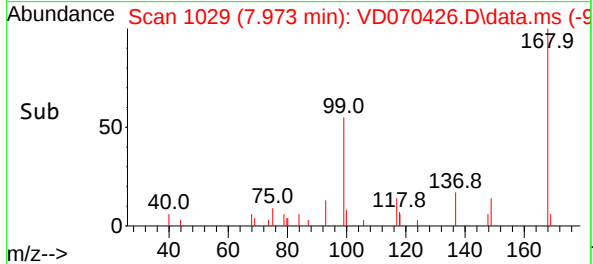


#38
Carbon Tetrachloride
Concen: 4.071 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

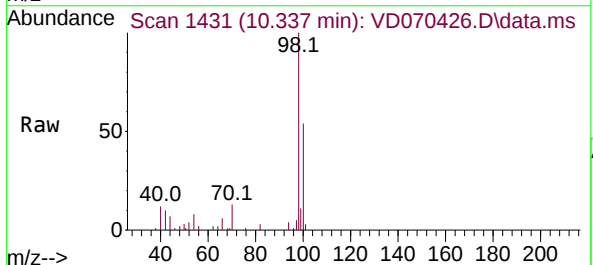
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)



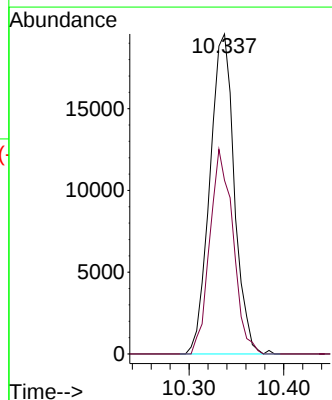
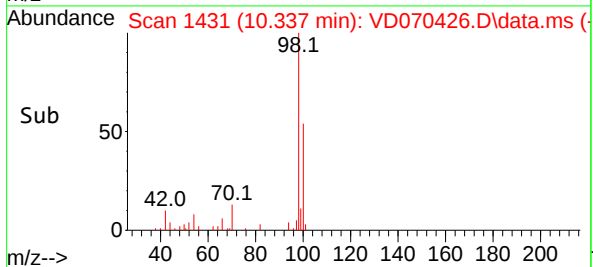
Tgt Ion:117 Resp: 1456
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#

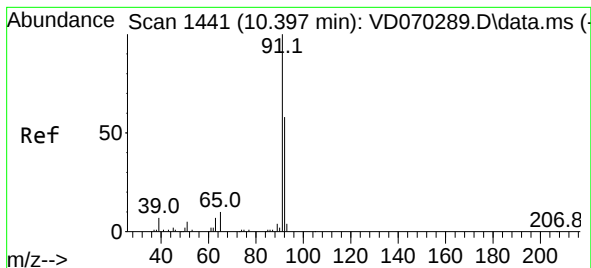


#50
Toluene-d8
Concen: 40.106 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58



Tgt Ion: 98 Resp: 35064
Ion Ratio Lower Upper
98 100
100 60.8 52.0 78.0





#52

Toluene

Concen: 1.279 ug/l

RT: 10.396 min Scan# 1441

Delta R.T. -0.000 min

Lab File: VD070426.D

Acq: 22 Sep 2021 14:58

Instrument :

MSVOA_D

ClientSampleId :

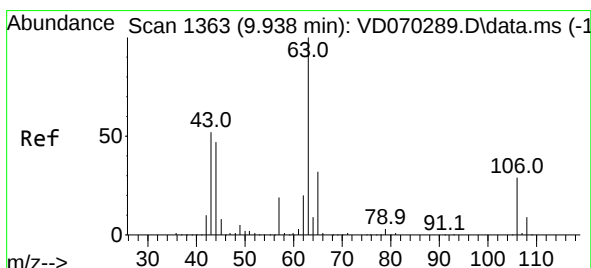
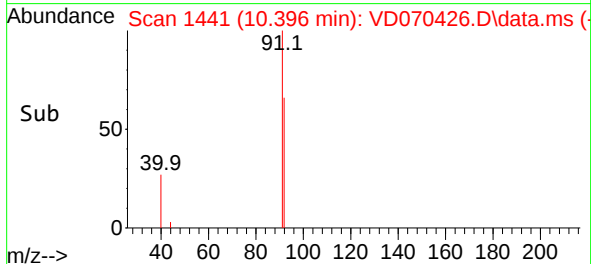
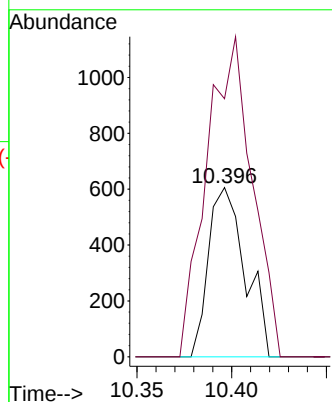
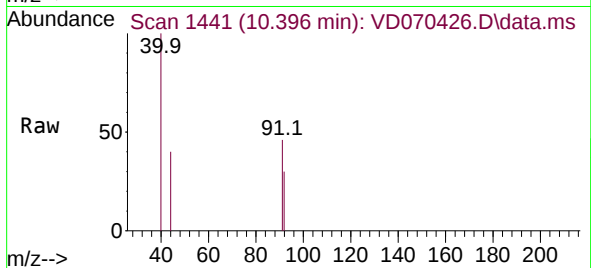
SB-2-(8.5-9.5)

Tgt Ion: 92 Resp: 819

Ion Ratio Lower Upper

92 100

91 234.1 136.2 204.2#



#58

2-Chloroethyl Vinyl ether

Concen: 6.755 ug/l

RT: 9.943 min Scan# 1364

Delta R.T. 0.005 min

Lab File: VD070426.D

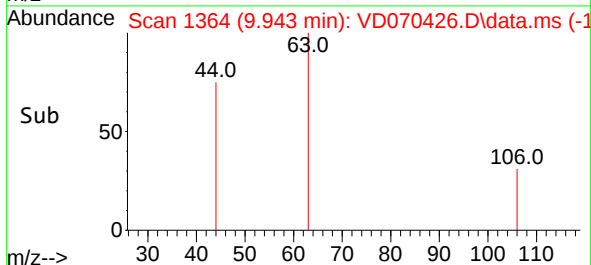
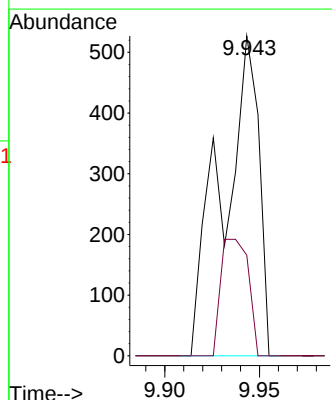
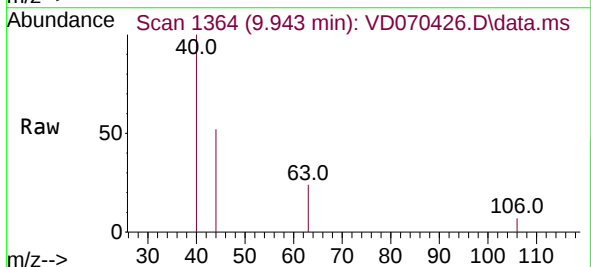
Acq: 22 Sep 2021 14:58

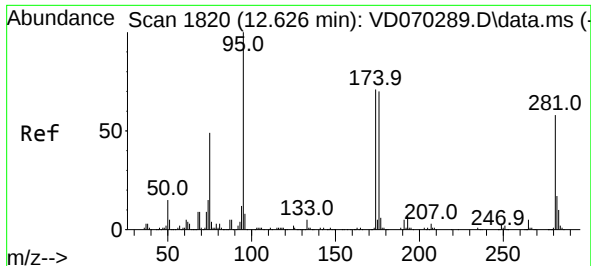
Tgt Ion: 63 Resp: 700

Ion Ratio Lower Upper

63 100

106 27.7 22.3 33.5

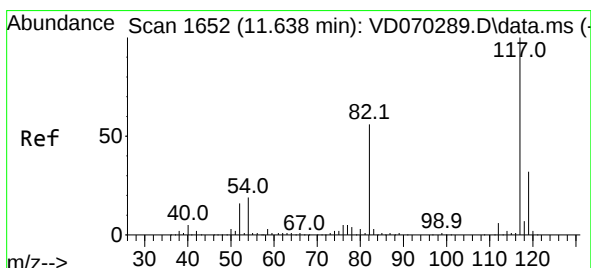
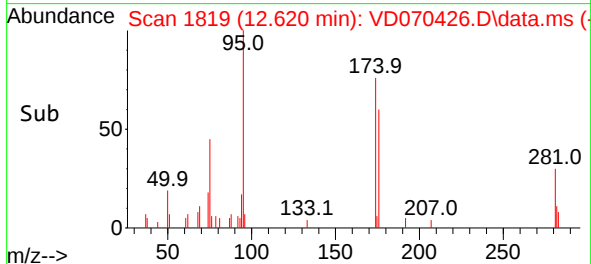
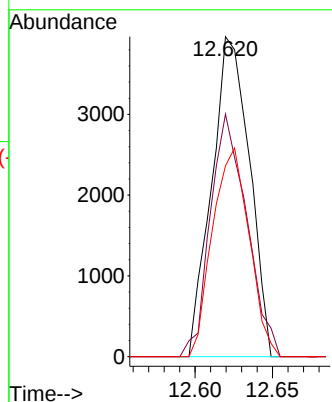
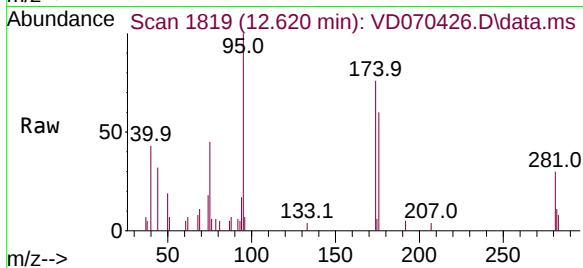




#62
4-Bromofluorobenzene
Concen: 21.960 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

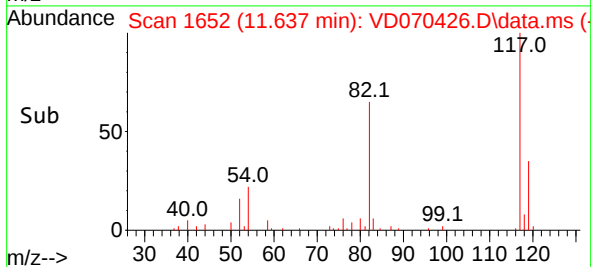
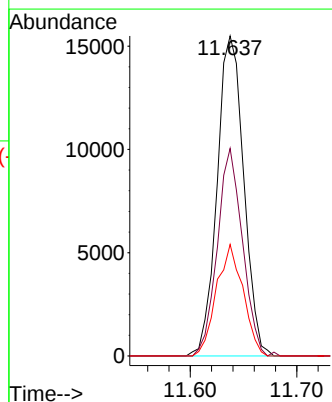
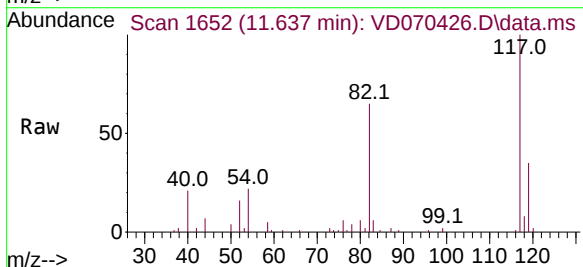
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(8.5-9.5)

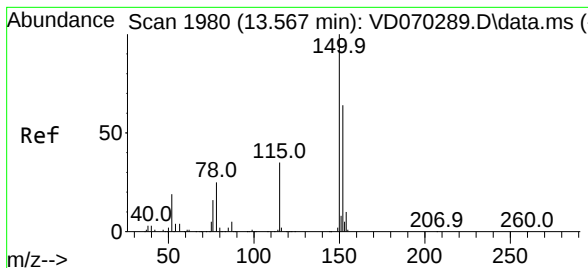
Tgt Ion: 95 Resp: 6710
Ion Ratio Lower Upper
95 100
174 73.2 0.0 140.6
176 63.3 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070426.D
Acq: 22 Sep 2021 14:58

Tgt Ion: 117 Resp: 26874
Ion Ratio Lower Upper
117 100
82 64.9 45.0 67.4
119 34.9 25.2 37.8

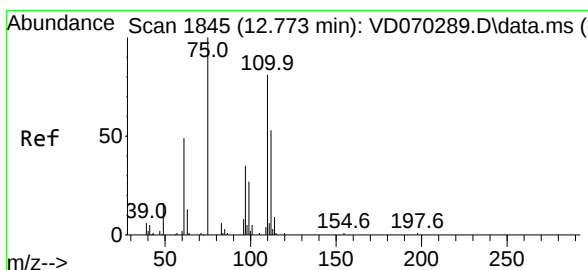
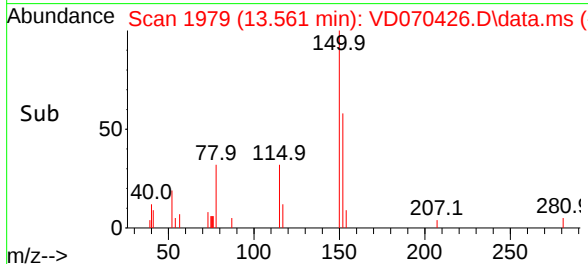
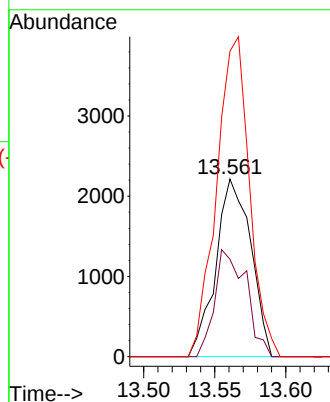
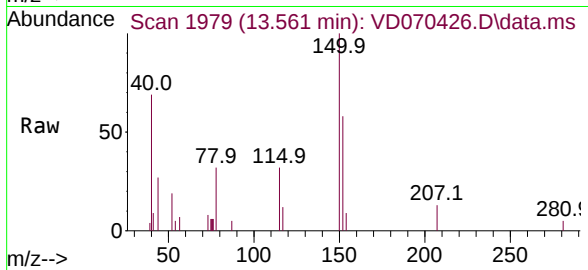




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.006 min
 Lab File: VD070426.D
 Acq: 22 Sep 2021 14:58

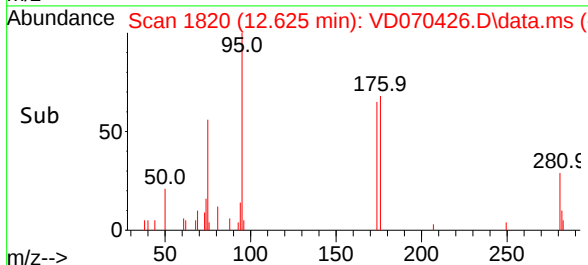
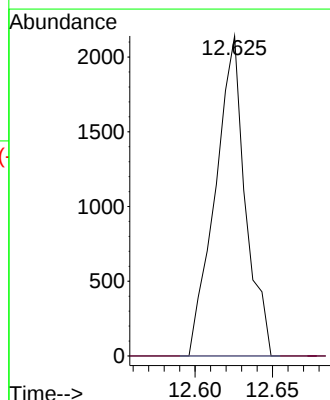
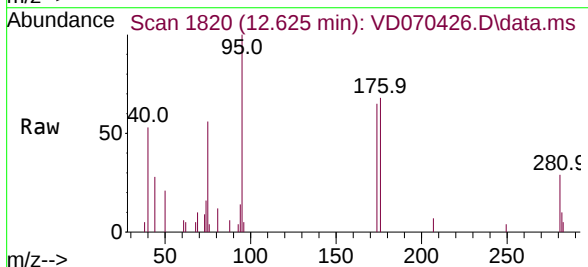
Instrument :
 MSVOA_D
 ClientSampleID :
 SB-2-(8.5-9.5)

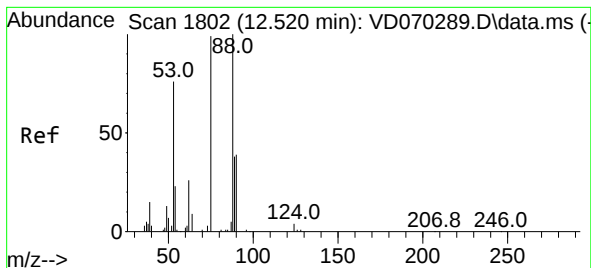
Tgt Ion:152 Resp: 3801
 Ion Ratio Lower Upper
 152 100
 115 54.2 32.1 96.3
 150 168.8 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 75.323 ug/l
 RT: 12.625 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070426.D
 Acq: 22 Sep 2021 14:58

Tgt Ion: 75 Resp: 2896
 Ion Ratio Lower Upper
 75 100
 77 0.0 174.9 524.7#

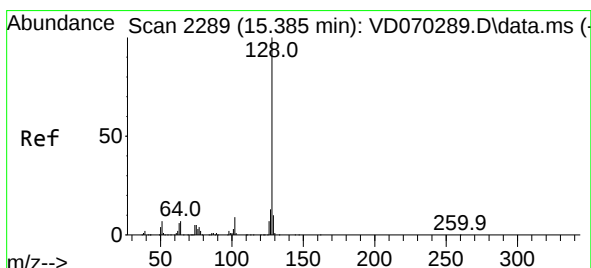
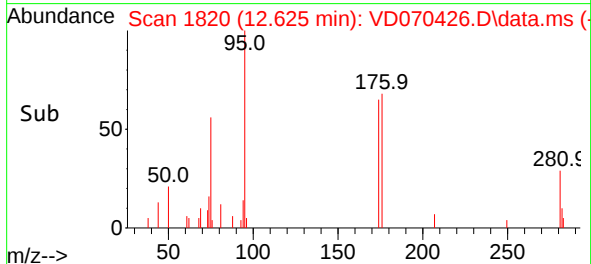
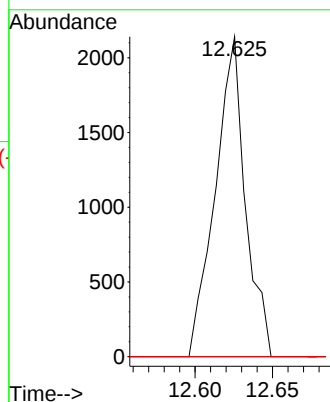
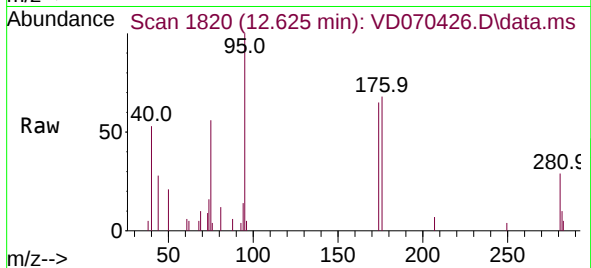




#81
 trans-1,4-Dichloro-2-butene
 Concen: 188.729 ug/l
 RT: 12.625 min Scan# 1820
 Delta R.T. 0.105 min
 Lab File: VD070426.D
 Acq: 22 Sep 2021 14:58

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

Tgt Ion:	75	Resp:	2896
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.2	96.2#
89	0.0	35.6	53.4#



#95
 Naphthalene
 Concen: 3.563 ug/l
 RT: 15.378 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: VD070426.D
 Acq: 22 Sep 2021 14:58

Tgt Ion:	128	Resp:	395
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	9.0	13.4#

