

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022122\
 Data File : VD072034.D
 Acq On : 21 Feb 2022 16:01
 Operator : VA/SY
 Sample : N1626-05
 Misc : 6.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CC-A3

Quant Time: Feb 22 01:05:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

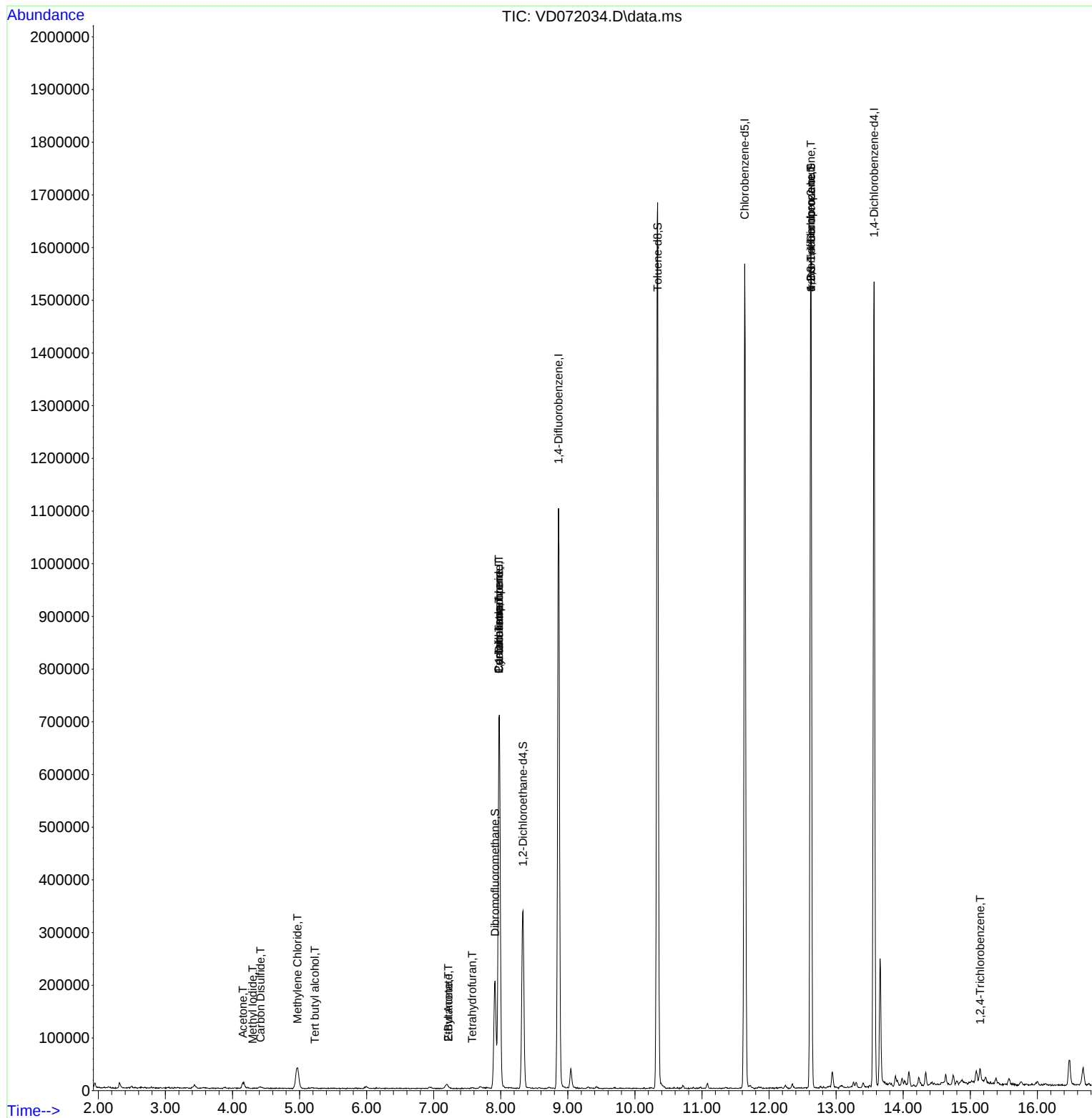
Internal Standards						
1) Pentafluorobenzene	7.973	168	534868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	931007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	877002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	400363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	278049	50.116	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.240%			
35) Dibromofluoromethane	7.914	113	147595	26.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 52.340%#			
50) Toluene-d8	10.338	98	1137410	54.375	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.740%			
62) 4-Bromofluorobenzene	12.626	95	413604	53.828	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.660%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	557	Below Cal	#	48
10) Methyl Iodide	4.303	142	153	2.948	ug/l #	40
11) Tert butyl alcohol	5.226	59	322	1.017	ug/l #	80
16) Acetone	4.155	43	19970	16.655	ug/l	96
17) Carbon Disulfide	4.420	76	5977	1.095	ug/l #	76
18) Methyl Acetate	4.638	43	66	Below Cal	#	52
20) Methylene Chloride	4.967	84	31665	5.306	ug/l	93
25) 2-Butanone	7.220	43	4530	2.733	ug/l #	86
29) Tetrahydrofuran	7.573	42	1072	1.014	ug/l #	80
31) Cyclohexane	7.973	56	11384	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	41568	4.865	ug/l #	50
37) Ethyl Acetate	7.220	43	4530	1.143	ug/l #	73
38) Carbon Tetrachloride	7.973	117	53395	6.097	ug/l #	17
76) 1,2,3-Trichloropropane	12.626	75	217357	57.315	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	217357	143.529	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.149	180	9318	1.329	ug/l	94

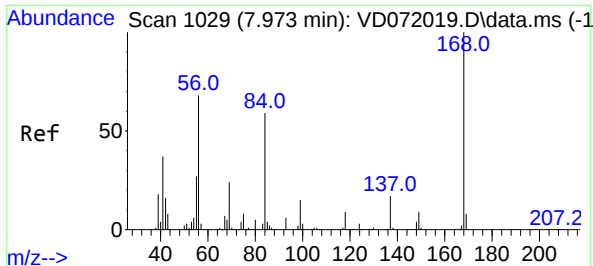
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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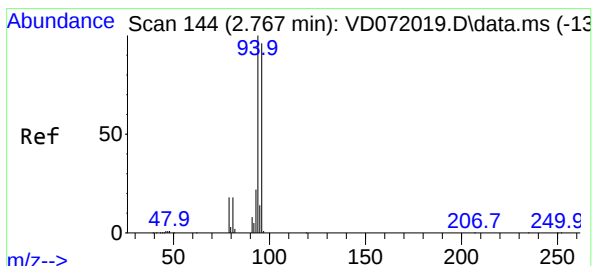
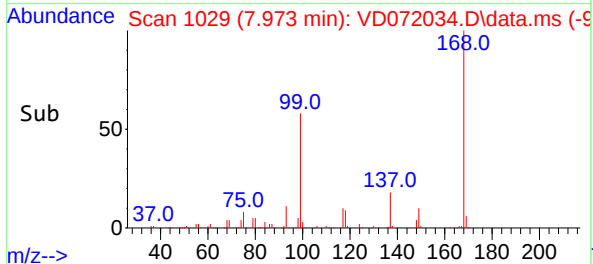
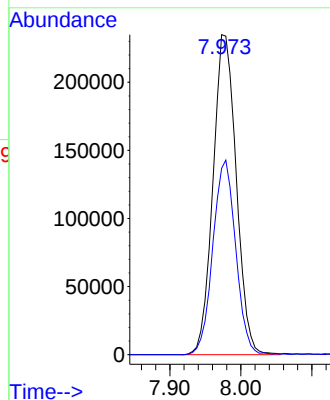
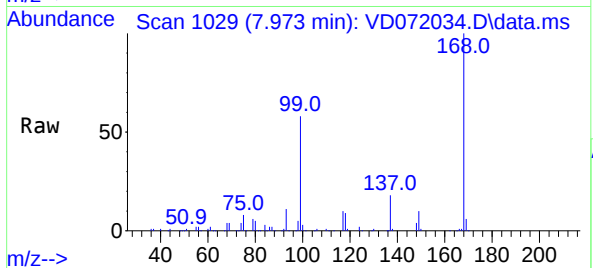




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

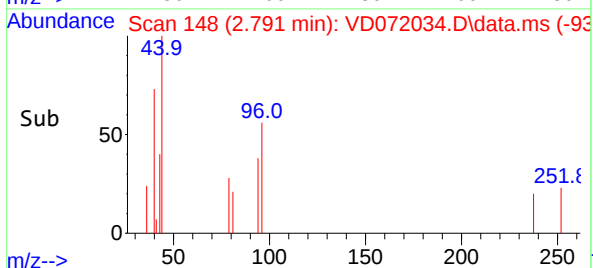
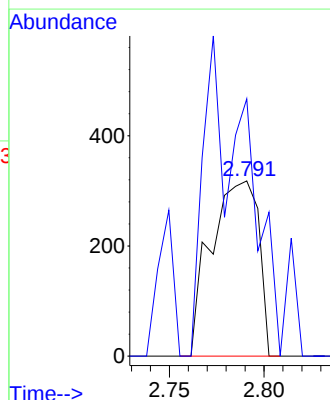
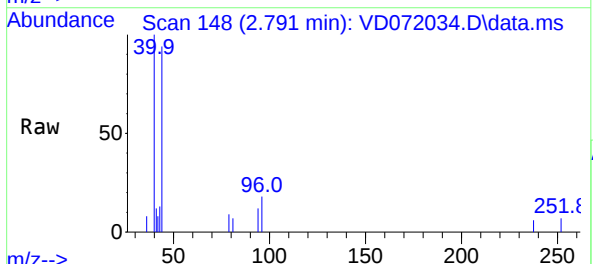
Instrument :
MSVOA_D
ClientSampleId :
CC-A3

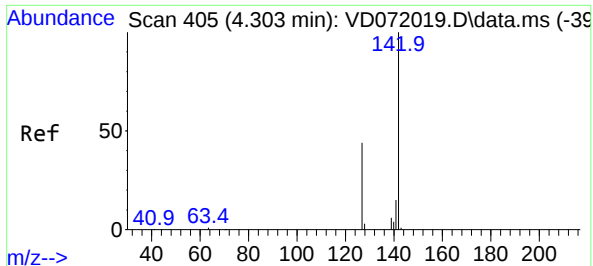
Tgt Ion:168 Resp: 534868
Ion Ratio Lower Upper
168 100
99 58.2 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.024 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Tgt Ion: 94 Resp: 557
Ion Ratio Lower Upper
94 100
96 146.9 76.8 115.2#

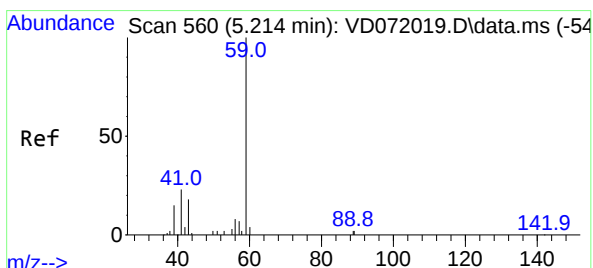
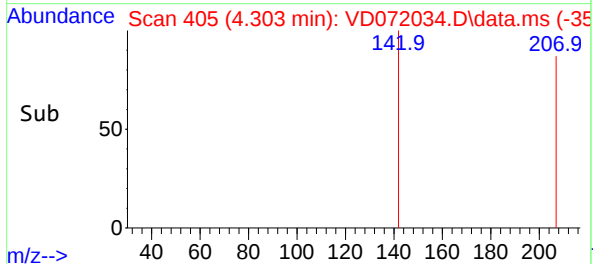
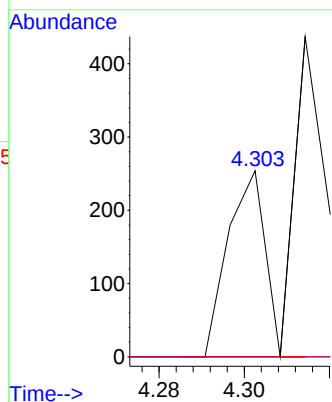
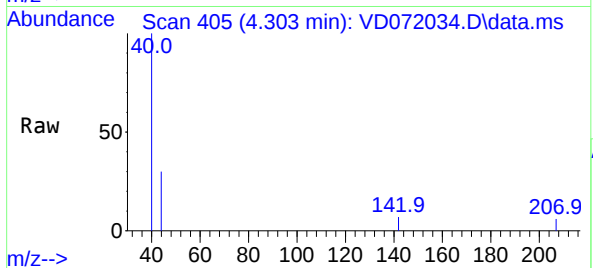




#10
Methyl Iodide
Concen: 2.948 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

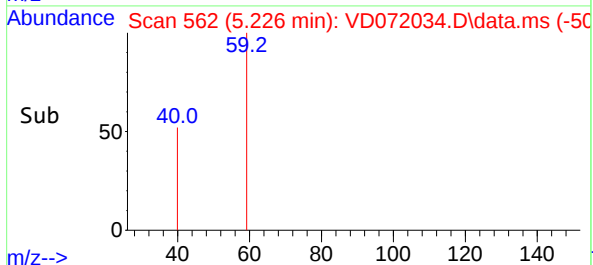
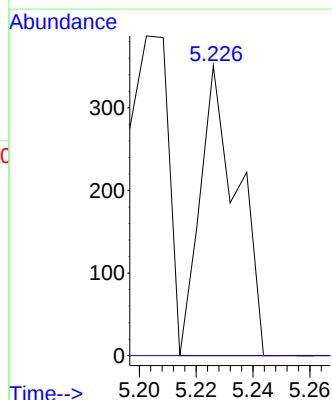
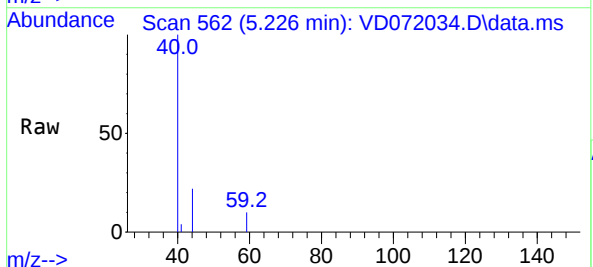
Instrument :
MSVOA_D
ClientSampleId :
CC-A3

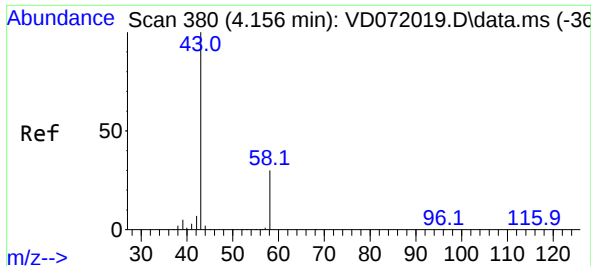
Tgt Ion:142 Resp: 153
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.017 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.012 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

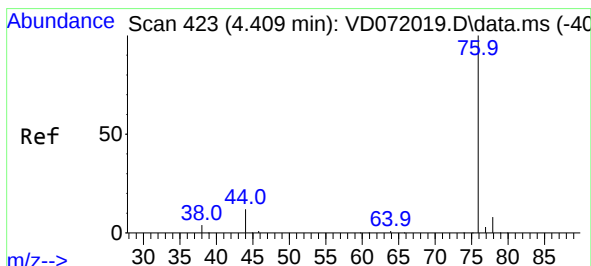
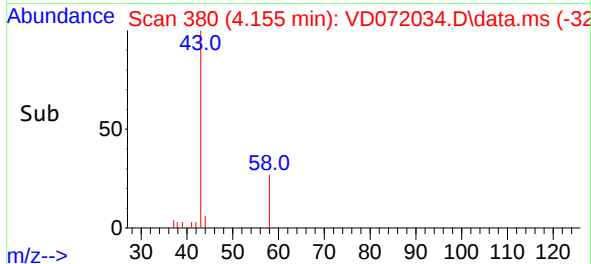
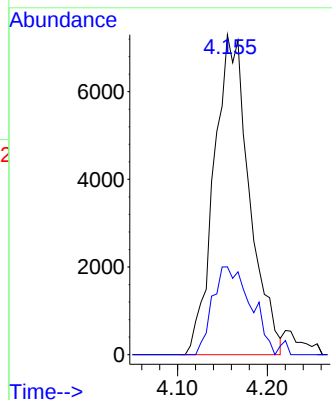
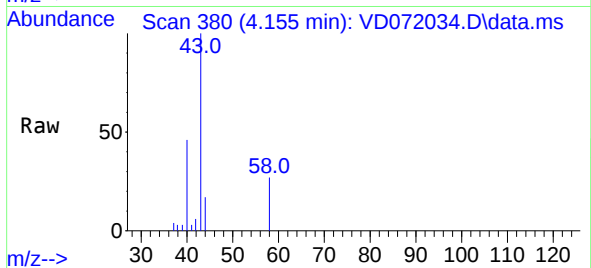




#16
Acetone
Concen: 16.655 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

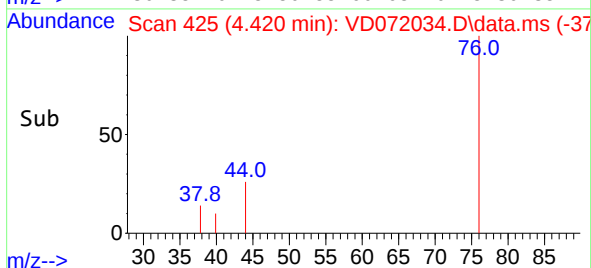
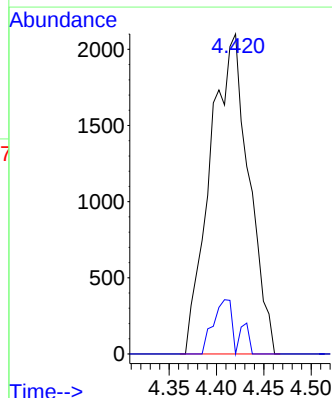
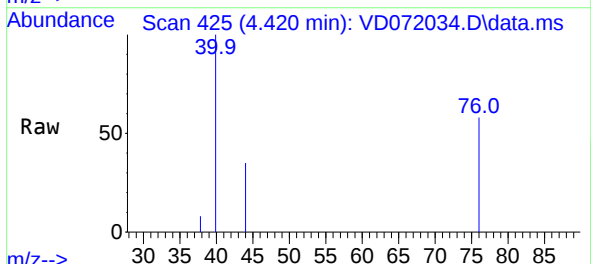
Instrument :
MSVOA_D
ClientSampleId :
CC-A3

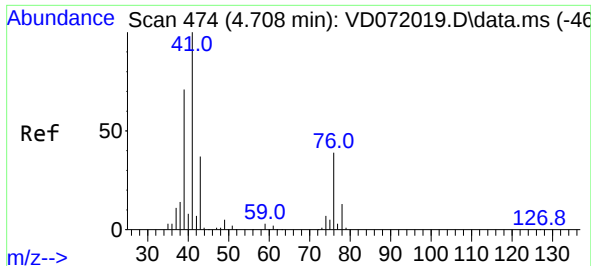
Tgt Ion: 43 Resp: 19970
Ion Ratio Lower Upper
43 100
58 27.4 23.8 35.6



#17
Carbon Disulfide
Concen: 1.095 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.011 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Tgt Ion: 76 Resp: 5977
Ion Ratio Lower Upper
76 100
78 0.0 6.7 10.1#

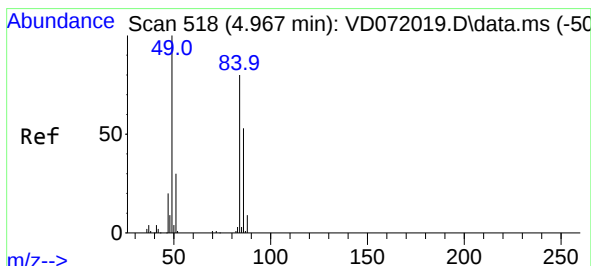
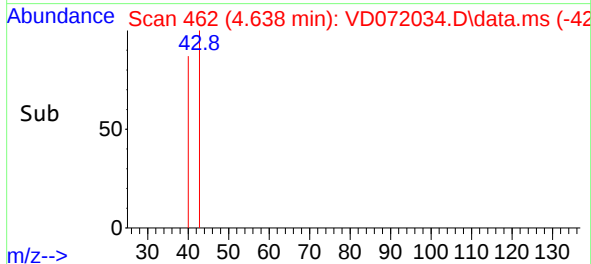
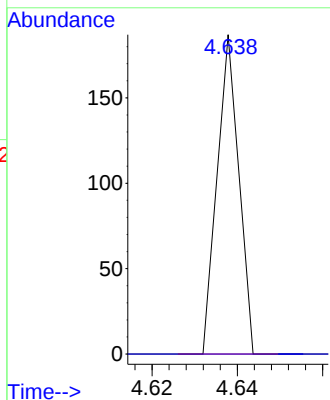
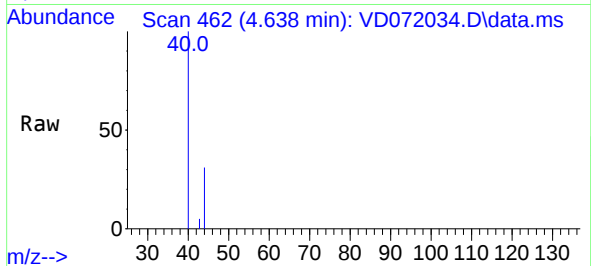




#18
Methyl Acetate
Concen: Below Cal
RT: 4.638 min Scan# 41
Delta R.T. -0.070 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

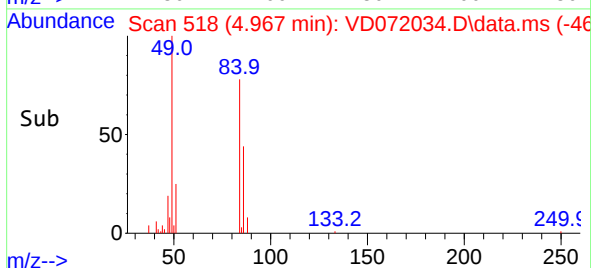
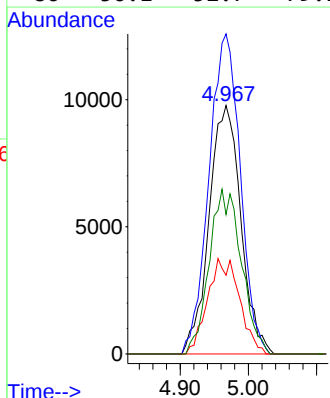
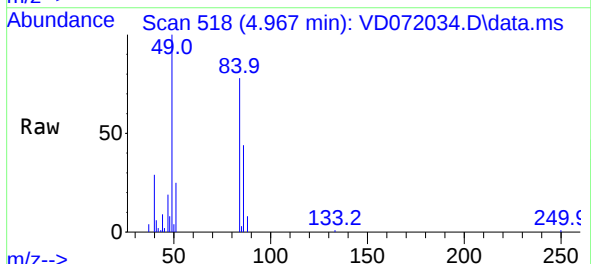
Instrument :
MSVOA_D
ClientSampleId :
CC-A3

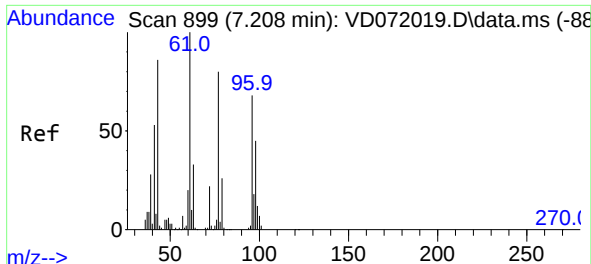
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#20
Methylene Chloride
Concen: 5.306 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Tgt Ion: 84 Resp: 31665
Ion Ratio Lower Upper
84 100
49 128.8 100.0 150.0
51 31.7 30.2 45.4
86 56.1 52.7 79.1

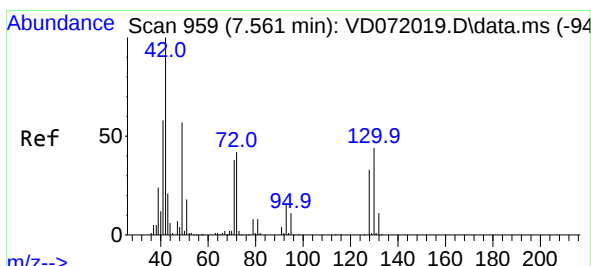
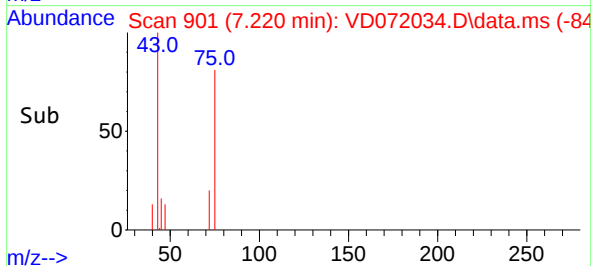
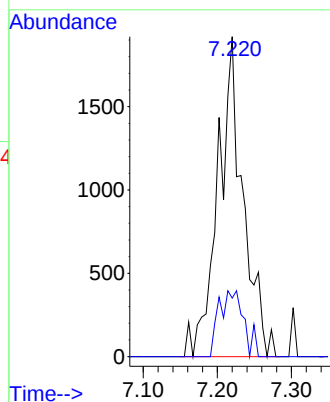
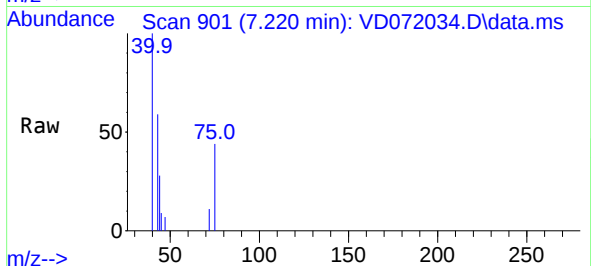




#25
2-Butanone
Concen: 2.733 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

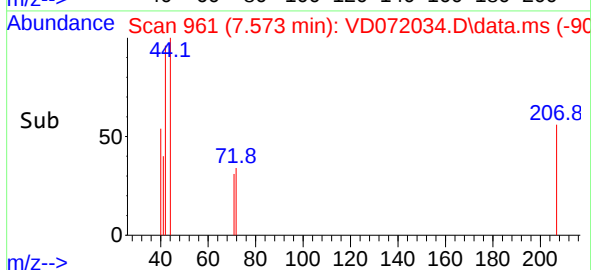
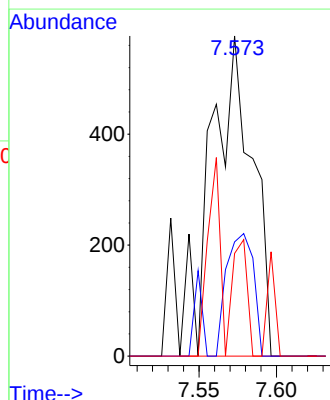
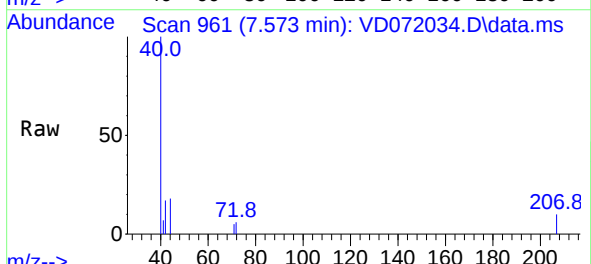
Instrument :
MSVOA_D
ClientSampleId :
CC-A3

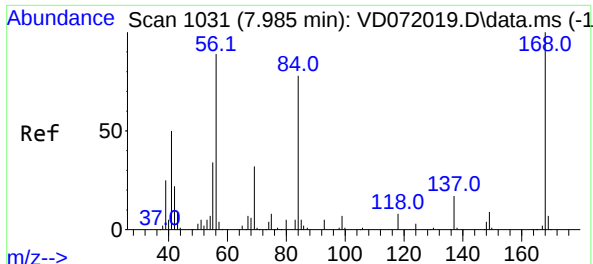
Tgt Ion: 43 Resp: 4530
Ion Ratio Lower Upper
43 100
72 18.3 20.3 30.5#



#29
Tetrahydrofuran
Concen: 1.014 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

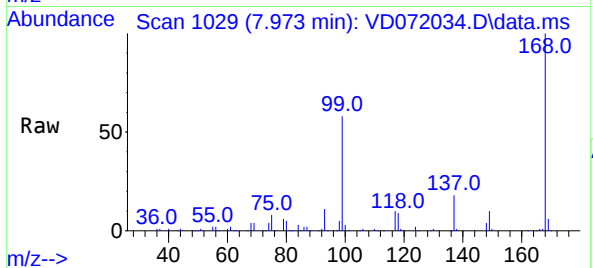
Tgt Ion: 42 Resp: 1072
Ion Ratio Lower Upper
42 100
72 25.0 33.6 50.4#
71 31.6 31.0 46.4



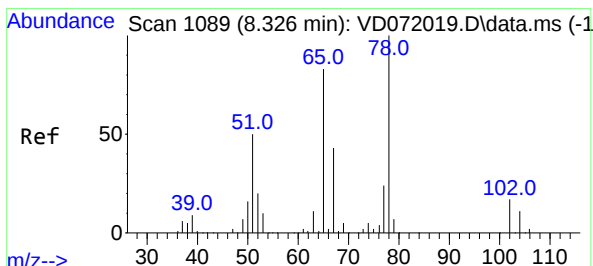
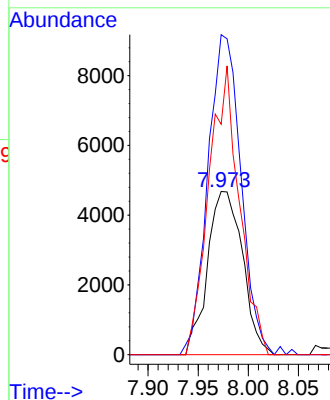
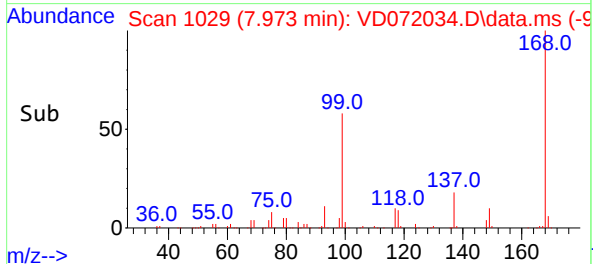


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

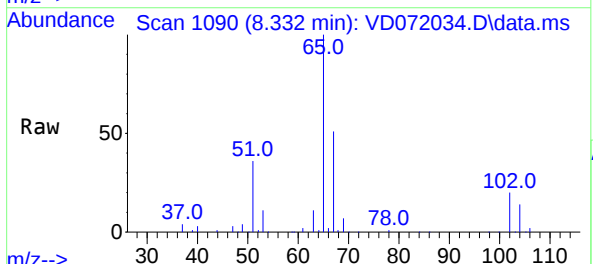
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MSVOA_D
ClientSampleId :
CC-A3



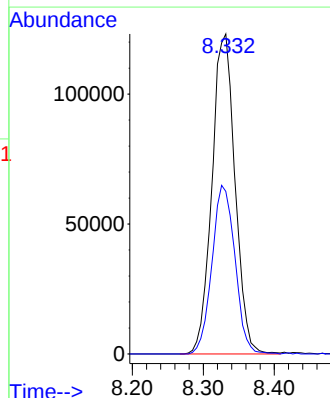
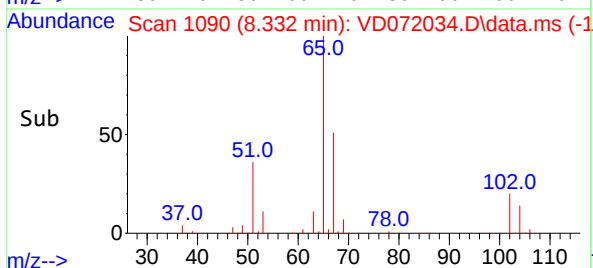
Tgt Ion: 56 Resp: 11384
Ion Ratio Lower Upper
56 100
69 196.2 28.9 43.3#
84 146.0 70.6 105.8#

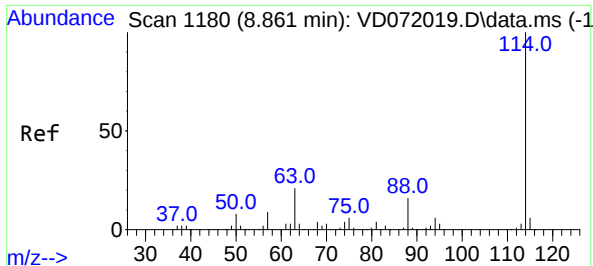


#33
1,2-Dichloroethane-d4
Concen: 50.116 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01



Tgt Ion: 65 Resp: 278049
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072034.D

Acq: 21 Feb 2022 16:01

Instrument :

MSVOA_D

ClientSampleId :

CC-A3

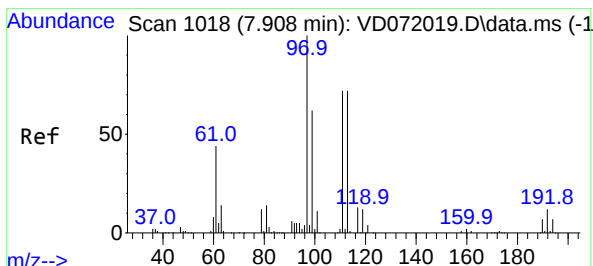
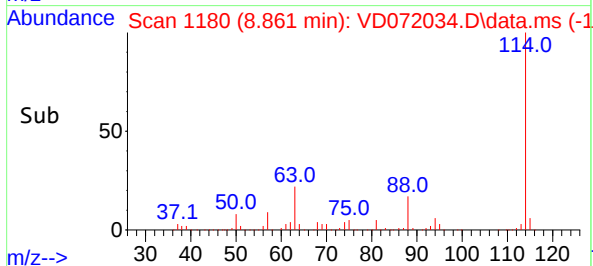
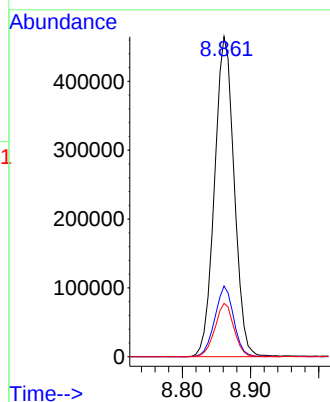
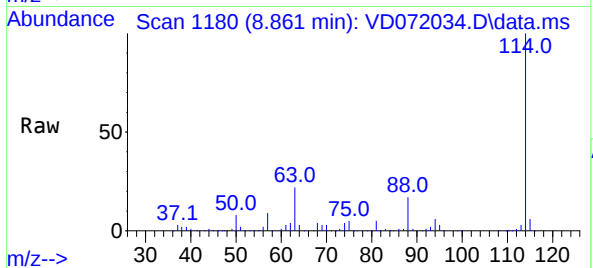
Tgt Ion:114 Resp: 931007

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.2

88 16.7 0.0 31.2



#35

Dibromofluoromethane

Concen: 26.166 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072034.D

Acq: 21 Feb 2022 16:01

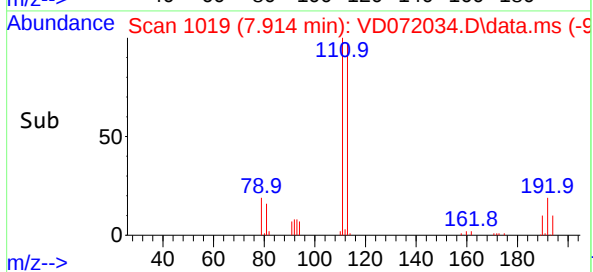
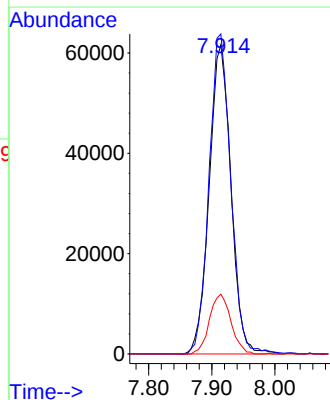
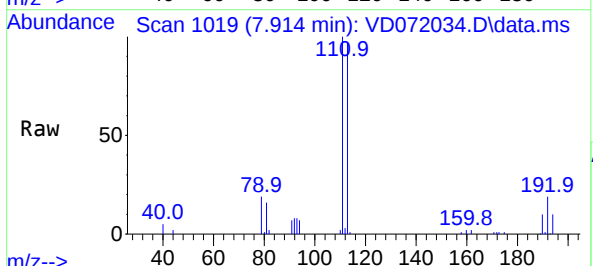
Tgt Ion:113 Resp: 147595

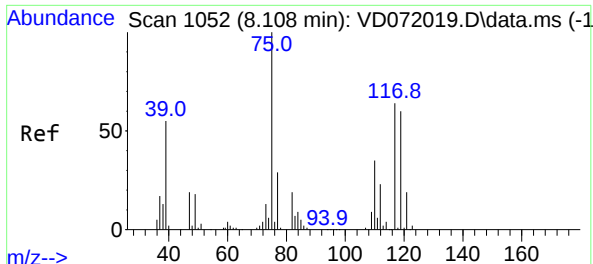
Ion Ratio Lower Upper

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111 103.4 83.0 124.4

192 19.1 15.3 22.9

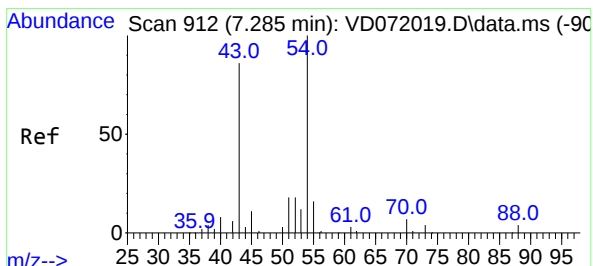
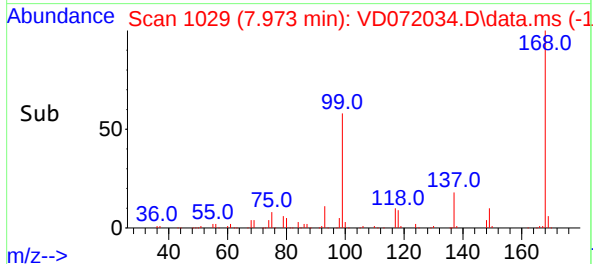
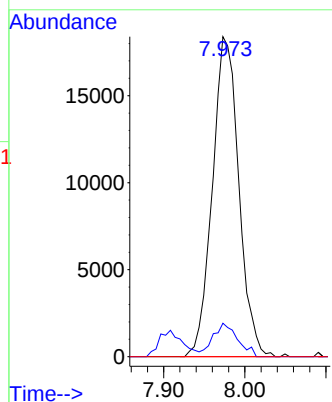
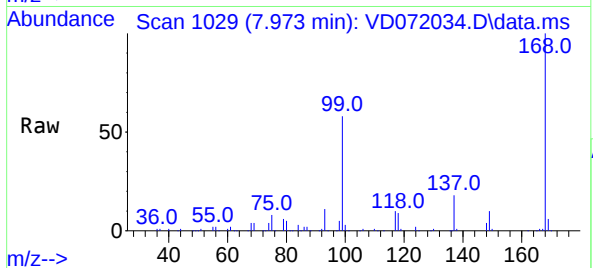




#36
1,1-Dichloropropene
Concen: 4.865 ug/l
RT: 7.973 min Scan# 1052
Delta R.T. -0.135 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

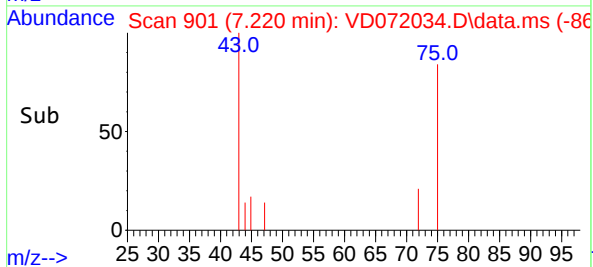
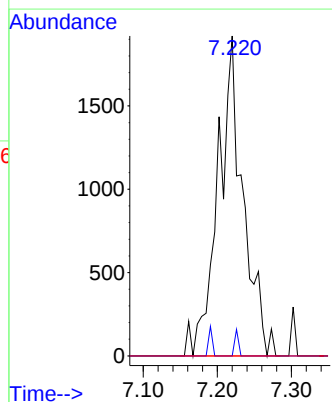
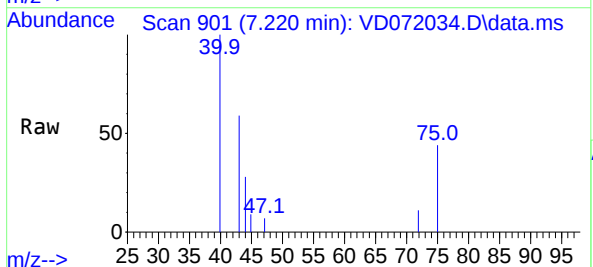
Instrument :
MSVOA_D
ClientSampleId :
CC-A3

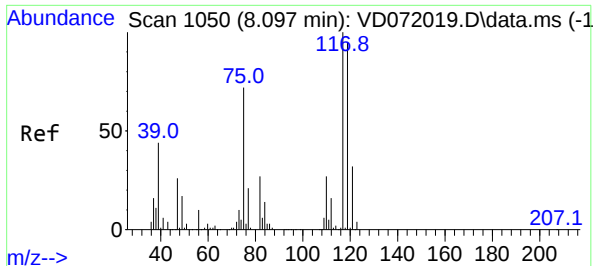
Tgt Ion: 75 Resp: 41568
Ion Ratio Lower Upper
75 100
110 9.7 17.7 53.1#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.143 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.065 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Tgt Ion: 43 Resp: 4530
Ion Ratio Lower Upper
43 100
61 1.2 9.8 14.8#
70 0.0 7.4 11.2#

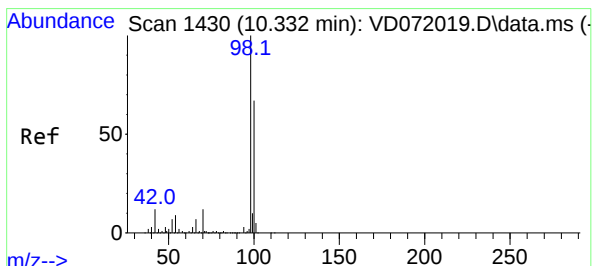
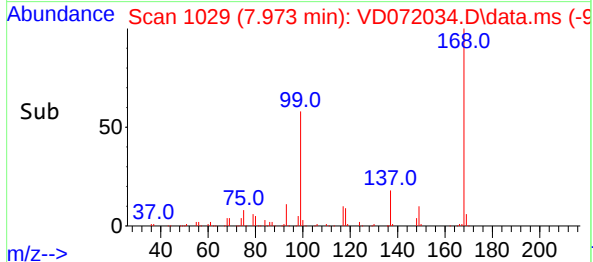
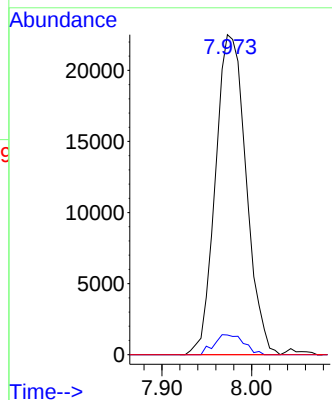
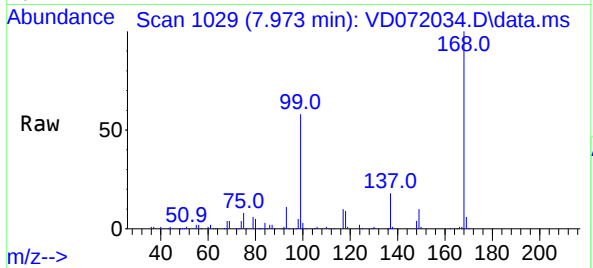




#38
Carbon Tetrachloride
Concen: 6.097 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

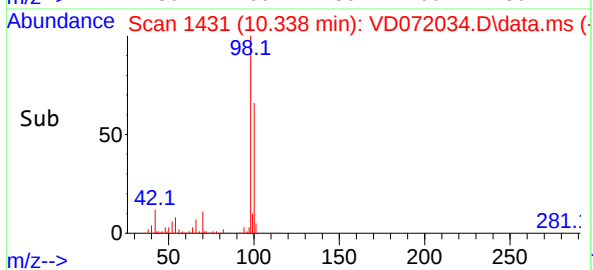
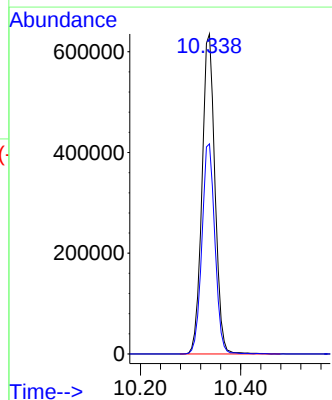
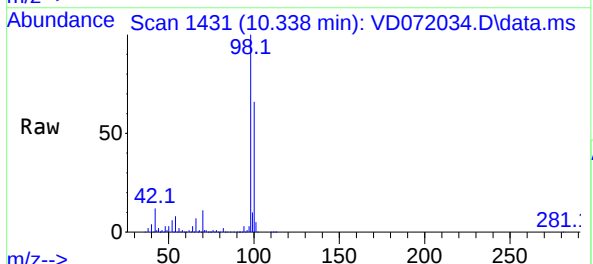
Instrument :
MSVOA_D
ClientSampleId :
CC-A3

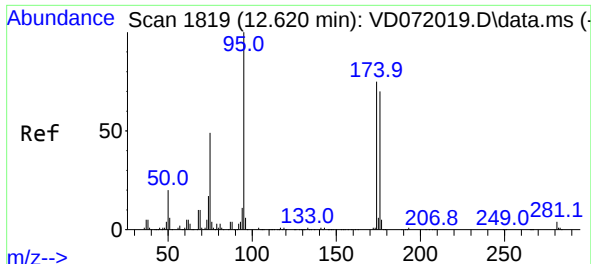
Tgt Ion:117 Resp: 53395
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 54.375 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Tgt Ion: 98 Resp: 1137410
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.6

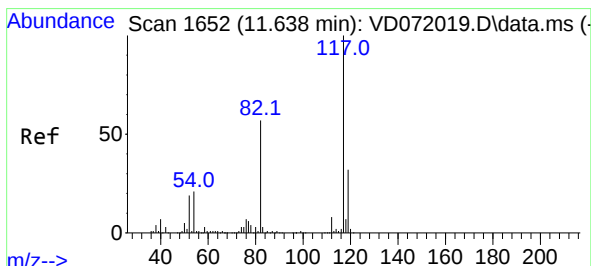
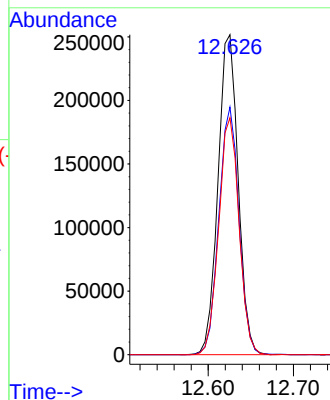
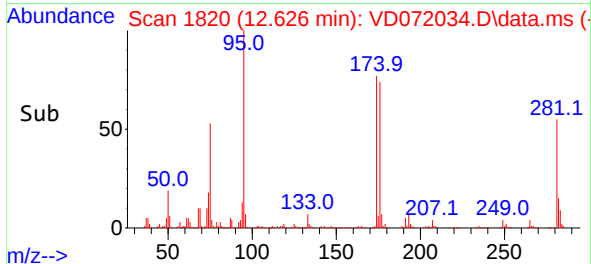
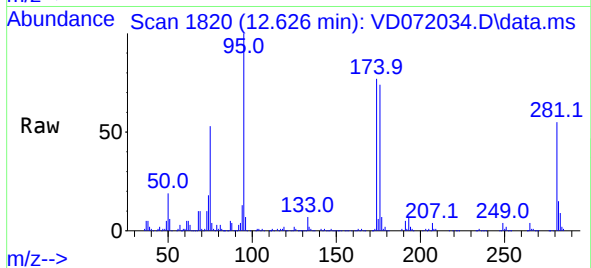




#62
4-Bromofluorobenzene
Concen: 53.828 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

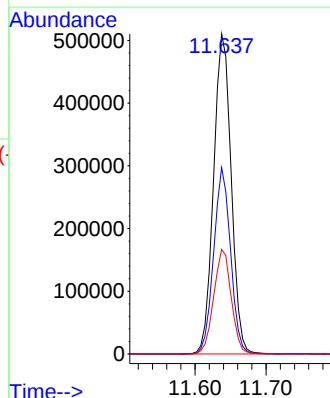
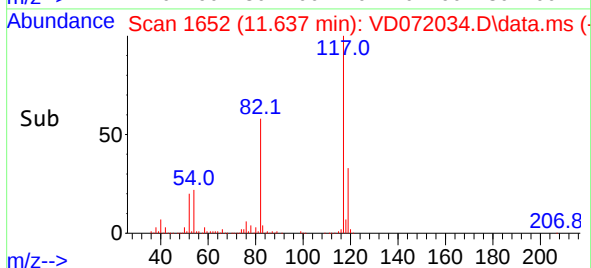
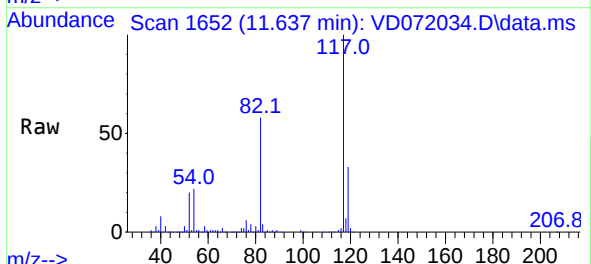
Instrument :
MSVOA_D
ClientSampleId :
CC-A3

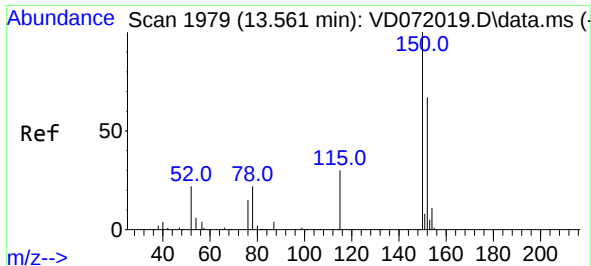
Tgt Ion: 95 Resp: 413604
Ion Ratio Lower Upper
95 100
174 77.3 0.0 155.0
176 74.5 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Tgt Ion: 117 Resp: 877002
Ion Ratio Lower Upper
117 100
82 58.3 45.4 68.0
119 32.7 25.4 38.2

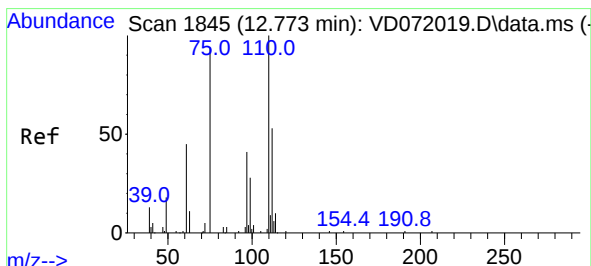
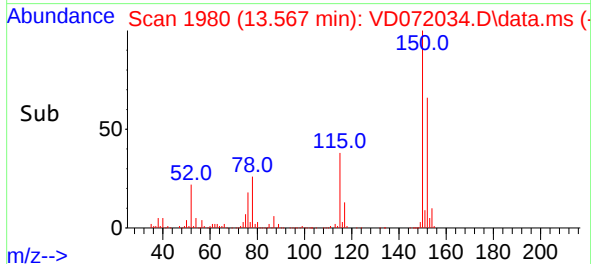
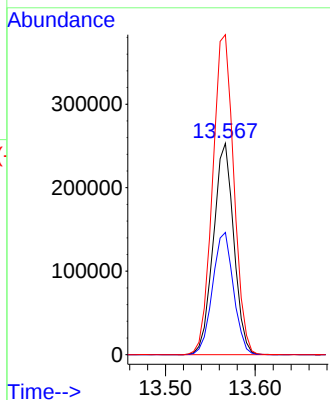
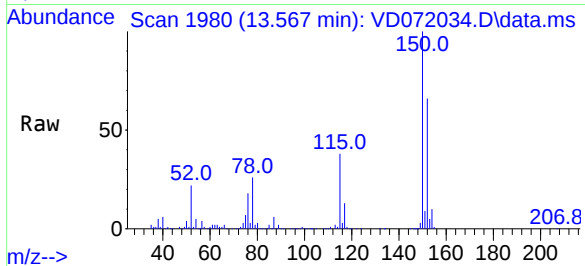




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

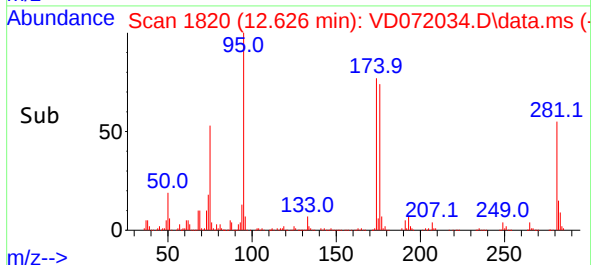
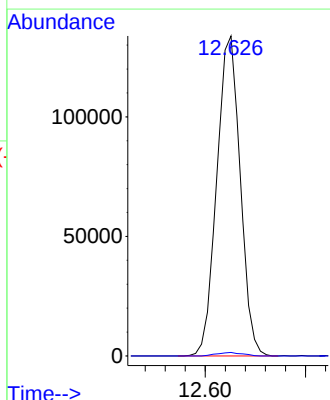
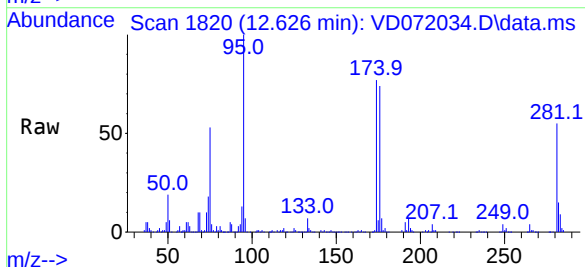
Instrument :
MSVOA_D
ClientSampleId :
CC-A3

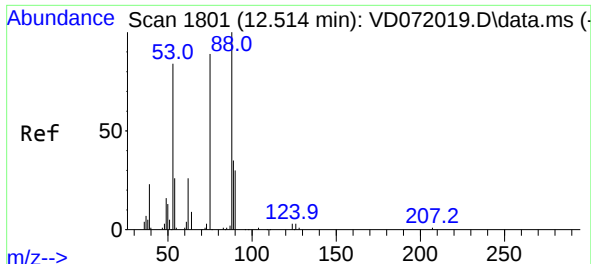
Tgt Ion:152 Resp: 400363
Ion Ratio Lower Upper
152 100
115 59.3 29.9 89.7
150 157.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 57.315 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Tgt Ion: 75 Resp: 217357
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

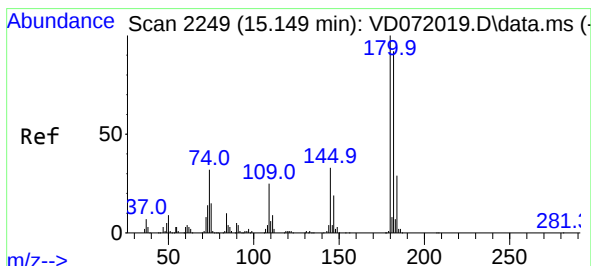
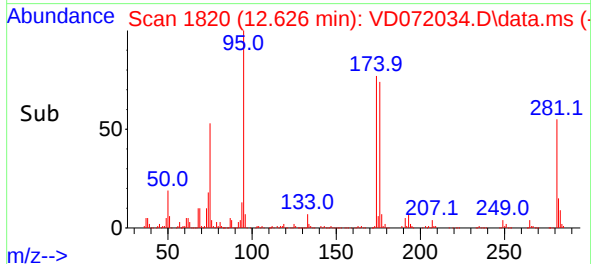
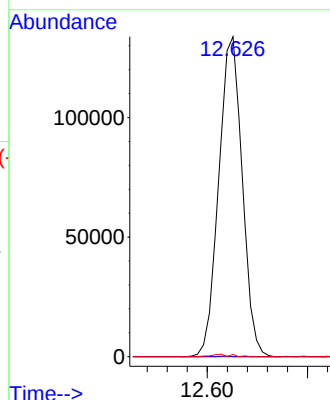
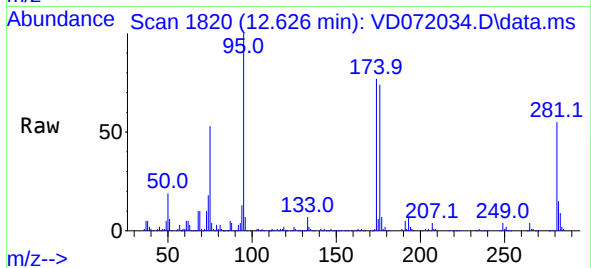




#81
trans-1,4-Dichloro-2-butene
Concen: 143.529 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Instrument :
MSVOA_D
ClientSampleId :
CC-A3

Tgt Ion: 75 Resp: 217357
Ion Ratio Lower Upper
75 100
53 0.1 80.2 120.4#
89 0.6 36.4 54.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.329 ug/l
RT: 15.149 min Scan# 2249
Delta R.T. -0.000 min
Lab File: VD072034.D
Acq: 21 Feb 2022 16:01

Tgt Ion:180 Resp: 9318
Ion Ratio Lower Upper
180 100
182 86.5 46.4 139.2
145 33.9 15.7 47.1

