

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022322\
 Data File : VD072076.D
 Acq On : 23 Feb 2022 16:02
 Operator : VA/SY
 Sample : N1598-04
 Misc : 5.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GS-4

Quant Time: Feb 24 06:47:23 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)

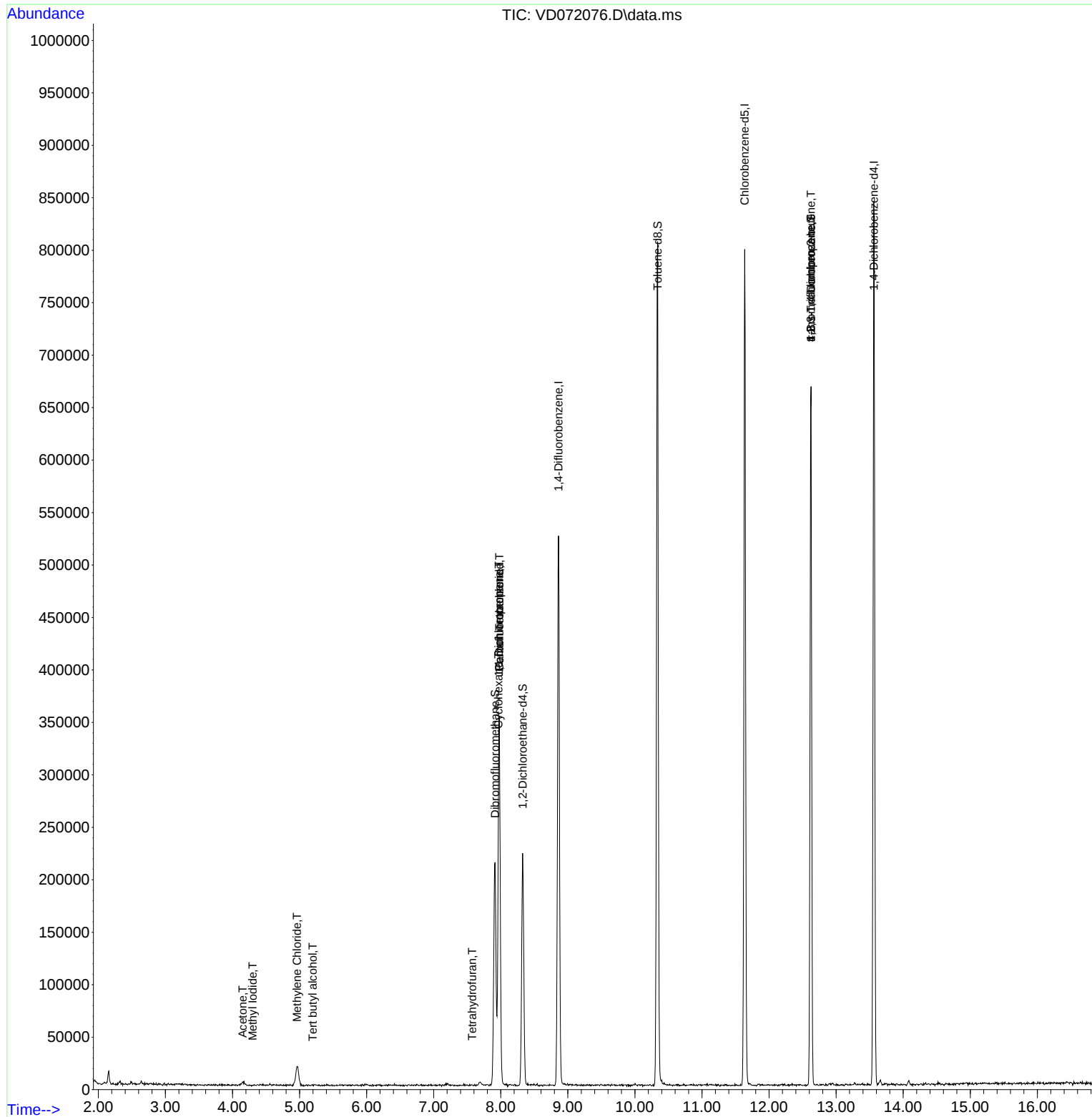
Internal Standards						
1) Pentafluorobenzene	7.979	168	256515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	443721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	461783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	224471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	175753	66.052	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.100%	
35) Dibromofluoromethane	7.914	113	155522	57.850	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.700%	
50) Toluene-d8	10.338	98	548912	55.059	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.120%	
62) 4-Bromofluorobenzene	12.626	95	212784	58.104	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.200%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	440	Below Cal	#	68
10) Methyl Iodide	4.303	142	133	2.967	ug/l #	40
11) Tert butyl alcohol	5.197	59	331	2.180	ug/l #	80
16) Acetone	4.150	43	5912	10.281	ug/l #	80
18) Methyl Acetate	4.714	43	54	Below Cal	#	52
20) Methylene Chloride	4.961	84	14340	5.011	ug/l	83
29) Tetrahydrofuran	7.573	42	657	1.295	ug/l #	52
31) Cyclohexane	7.967	56	6682	1.422	ug/l #	58
36) 1,1-Dichloropropene	7.973	75	21805	5.355	ug/l #	45
38) Carbon Tetrachloride	7.979	117	28689	6.873	ug/l #	18
76) 1,2,3-Trichloropropane	12.626	75	108211	50.893	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	108211	127.447	ug/l #	10

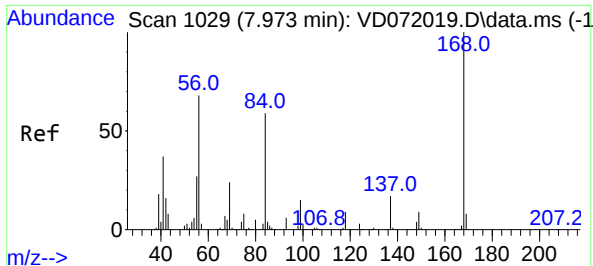
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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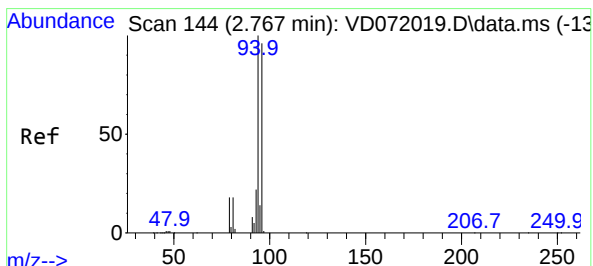
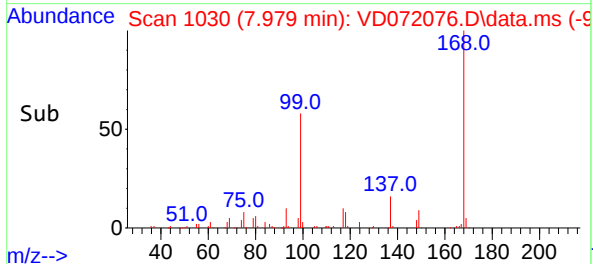
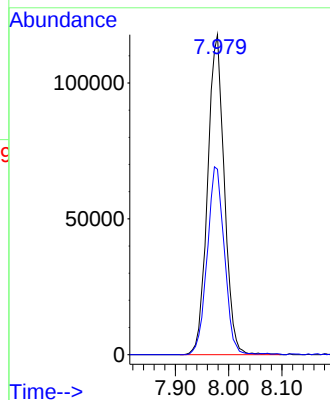
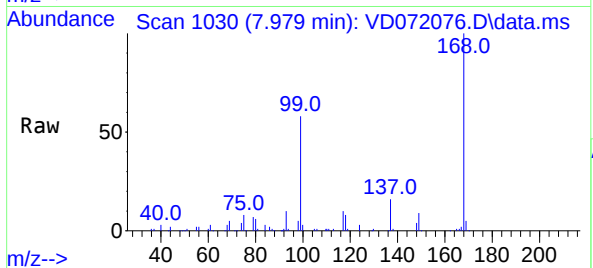




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

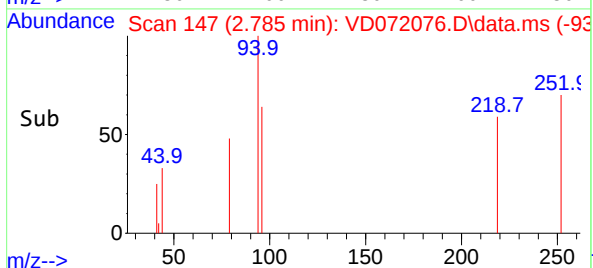
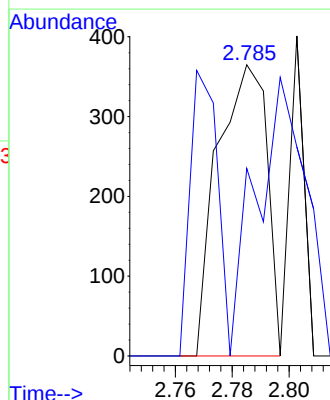
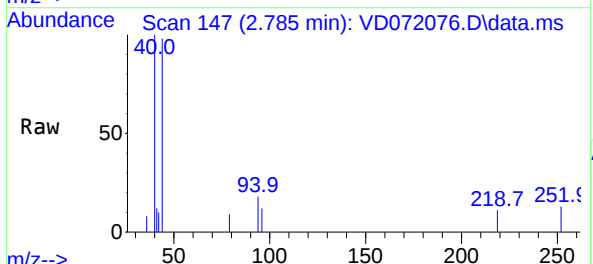
Instrument :
MSVOA_D
ClientSampleId :
GS-4

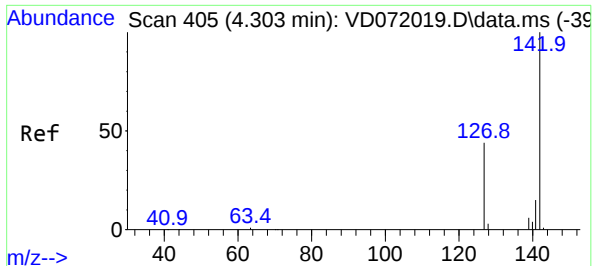
Tgt Ion:168 Resp: 256515
Ion Ratio Lower Upper
168 100
99 58.0 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Tgt Ion: 94 Resp: 440
Ion Ratio Lower Upper
94 100
96 64.4 76.8 115.2#

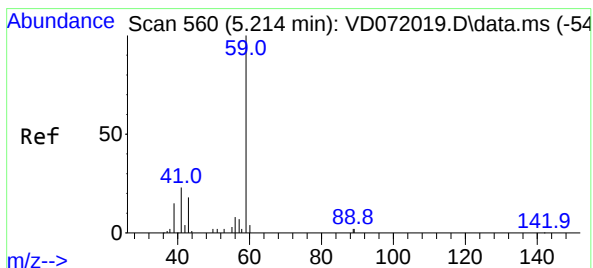
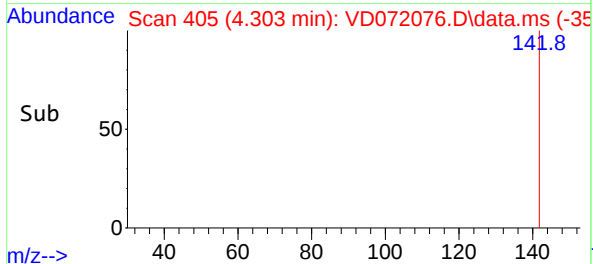
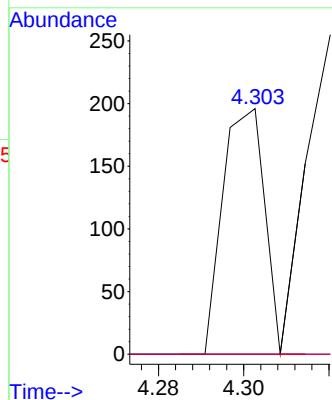
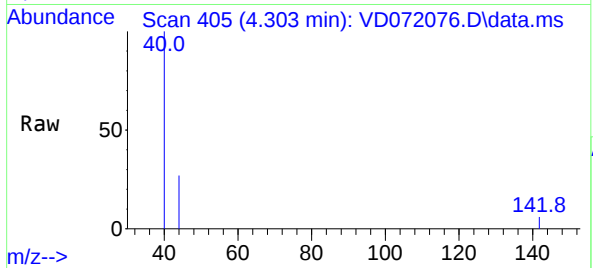




#10
Methyl Iodide
Concen: 2.967 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

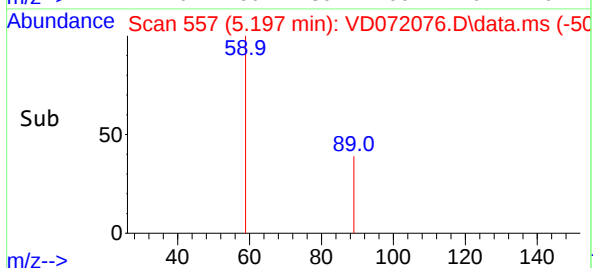
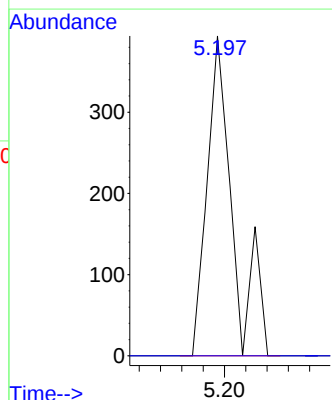
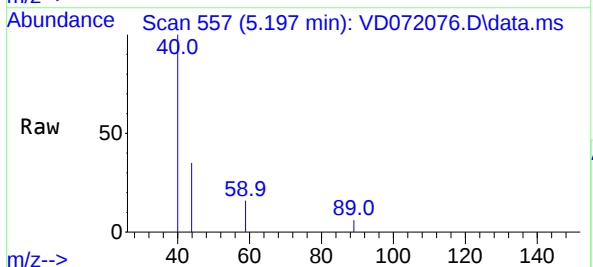
Instrument :
MSVOA_D
ClientSampleId :
GS-4

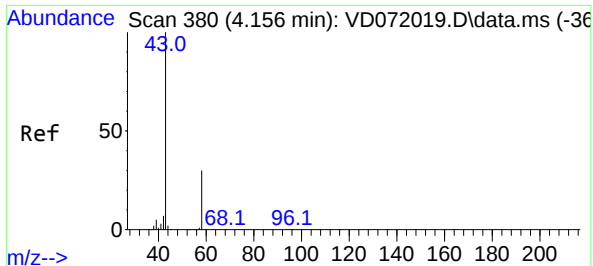
Tgt Ion:142 Resp: 133
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.180 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Tgt Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#

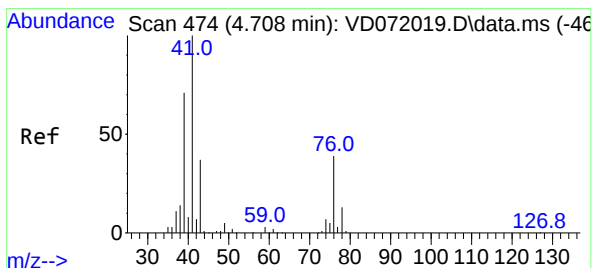
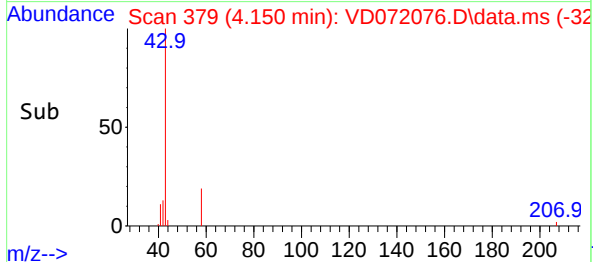
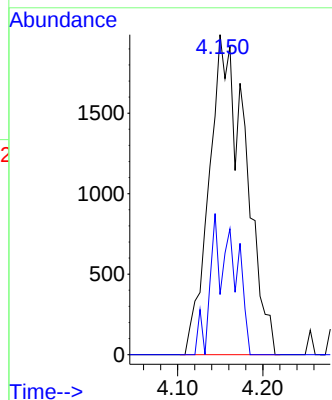
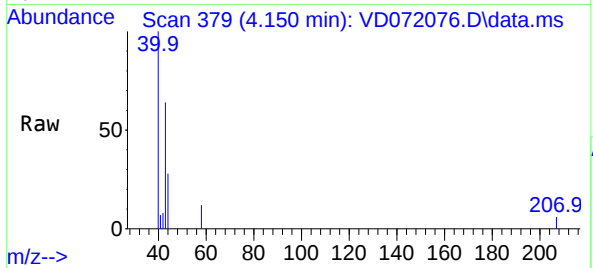




#16
Acetone
Concen: 10.281 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

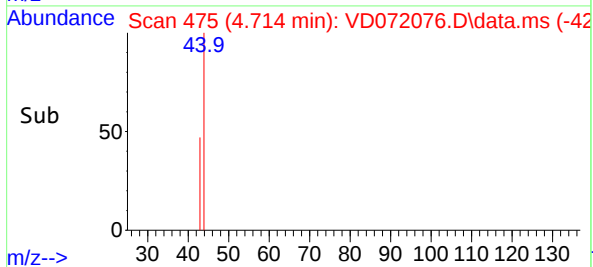
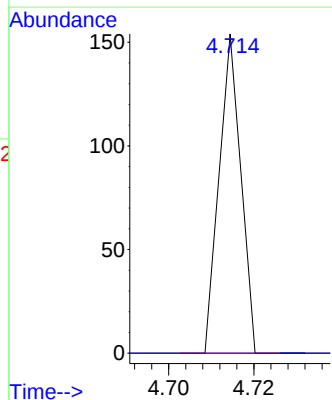
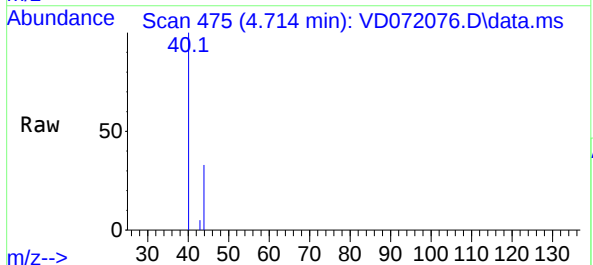
Instrument :
MSVOA_D
ClientSampleId :
GS-4

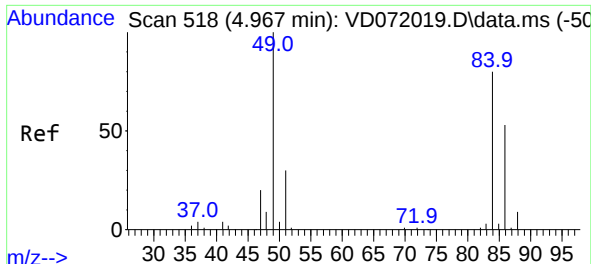
Tgt Ion: 43 Resp: 5912
Ion Ratio Lower Upper
43 100
58 18.8 23.8 35.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. 0.006 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



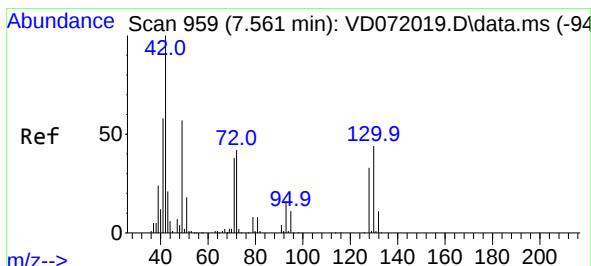
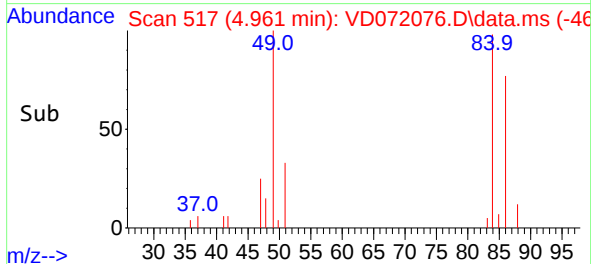
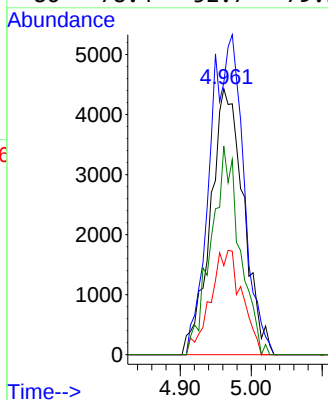
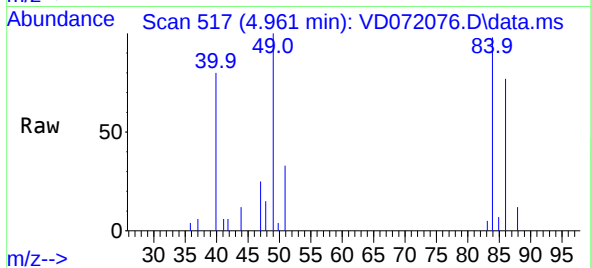


#20
Methylene Chloride
Concen: 5.011 ug/l
RT: 4.961 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Instrument :
MSVOA_D
ClientSampleId :
GS-4

Tgt Ion: 84 Resp: 14340

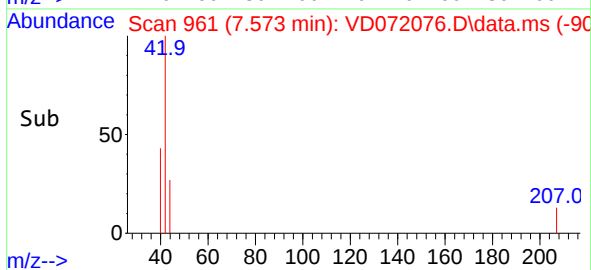
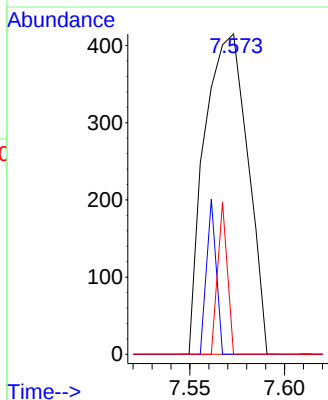
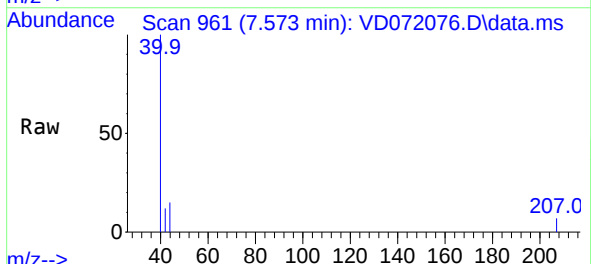
Ion	Ratio	Lower	Upper
84	100		
49	102.3	100.0	150.0
51	33.5	30.2	45.4
86	78.4	52.7	79.1

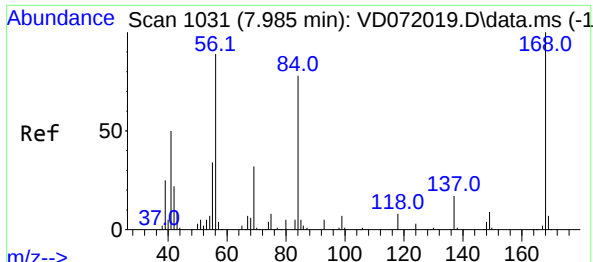


#29
Tetrahydrofuran
Concen: 1.295 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Tgt Ion: 42 Resp: 657

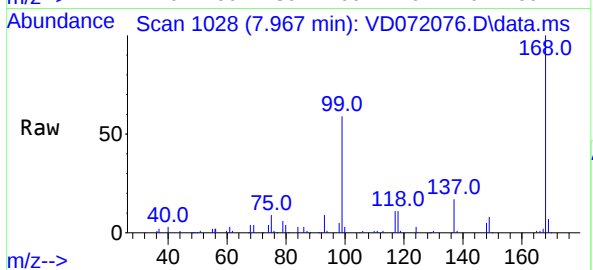
Ion	Ratio	Lower	Upper
42	100		
72	10.8	33.6	50.4#
71	10.5	31.0	46.4#



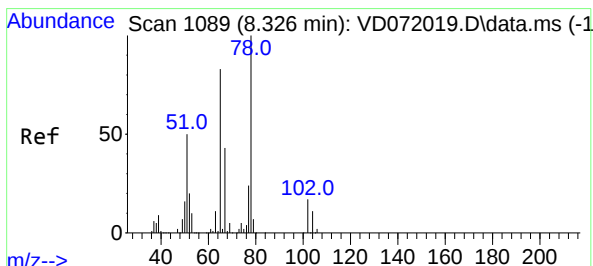
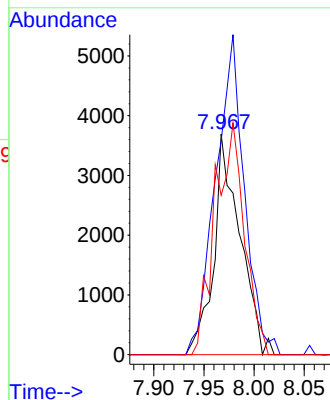
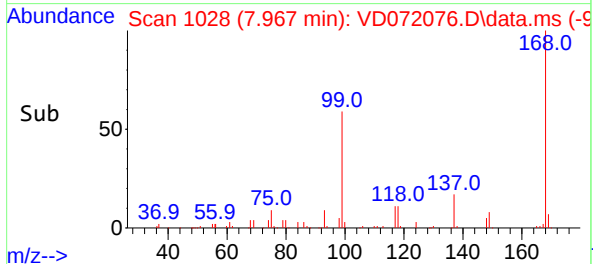


#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Instrument :
MSVOA_D
ClientSampleId :
GS-4

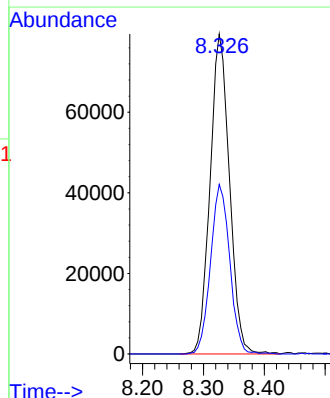
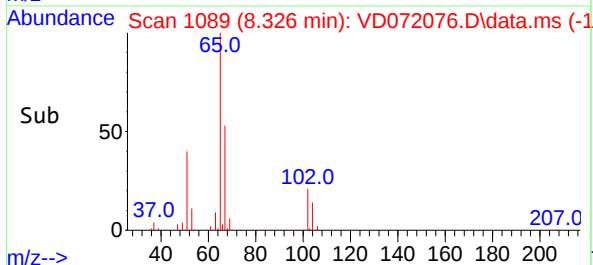
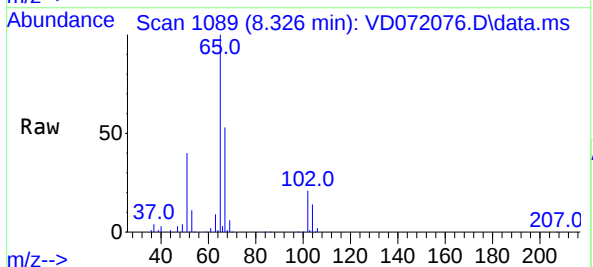


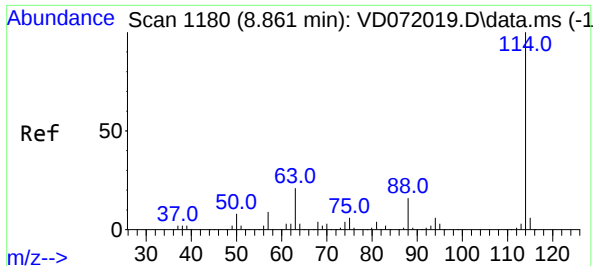
Tgt Ion: 56 Resp: 6682
Ion Ratio Lower Upper
56 100
69 97.0 28.9 43.3#
84 72.2 70.6 105.8



#33
1,2-Dichloroethane-d4
Concen: 66.052 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Tgt Ion: 65 Resp: 175753
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: VD072076.D

Acq: 23 Feb 2022 16:02

Instrument :

MSVOA_D

ClientSampleId :

GS-4

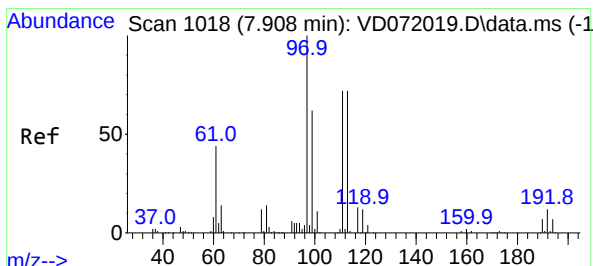
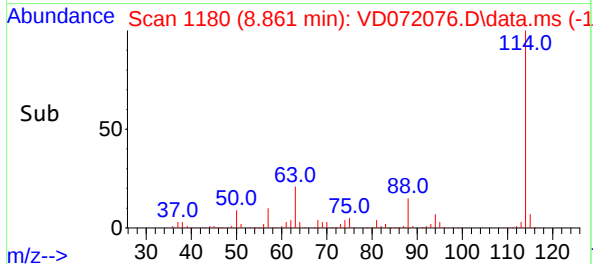
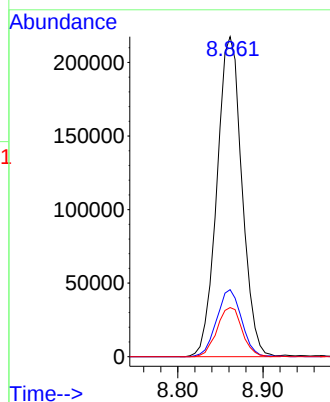
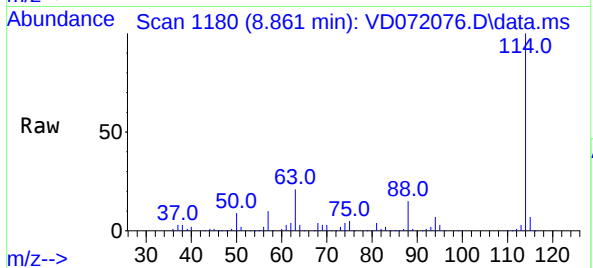
Tgt Ion:114 Resp: 443721

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.2

88 15.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 57.850 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072076.D

Acq: 23 Feb 2022 16:02

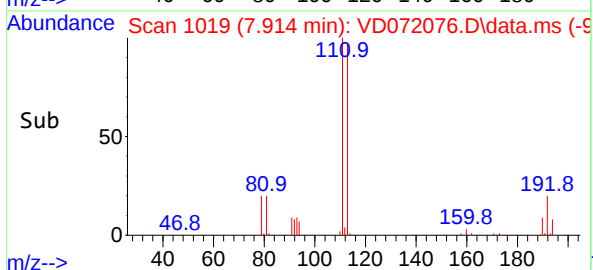
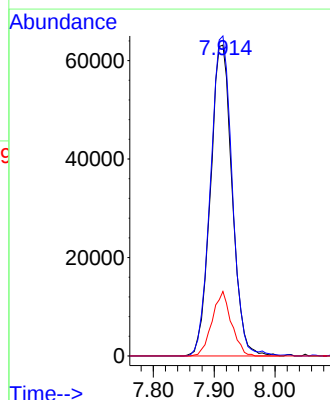
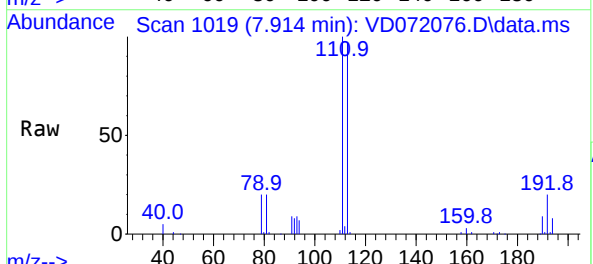
Tgt Ion:113 Resp: 155522

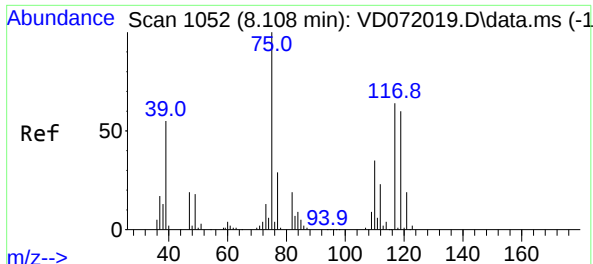
Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.4

192 18.5 15.3 22.9





#36

1,1-Dichloropropene

Concen: 5.355 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072076.D

Acq: 23 Feb 2022 16:02

Instrument :

MSVOA_D

ClientSampleId :

GS-4

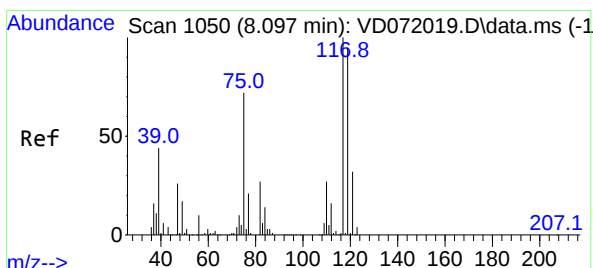
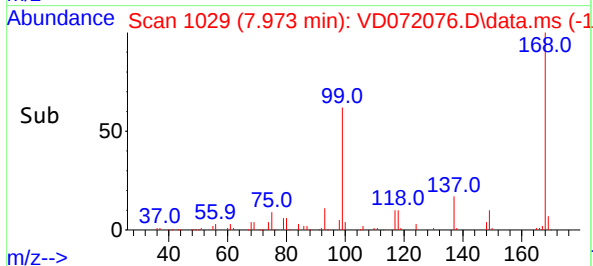
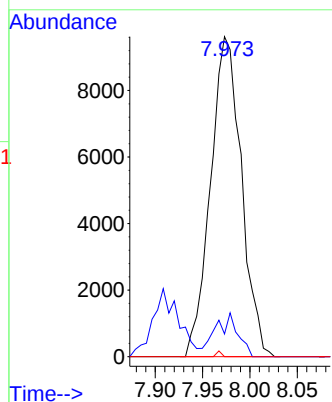
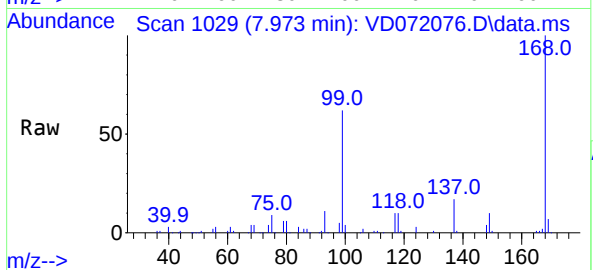
Tgt Ion: 75 Resp: 21805

Ion Ratio Lower Upper

75 100

110 3.3 17.7 53.1#

77 0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.873 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD072076.D

Acq: 23 Feb 2022 16:02

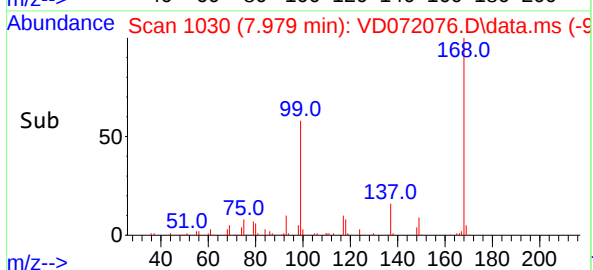
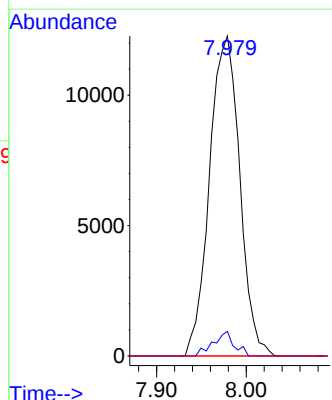
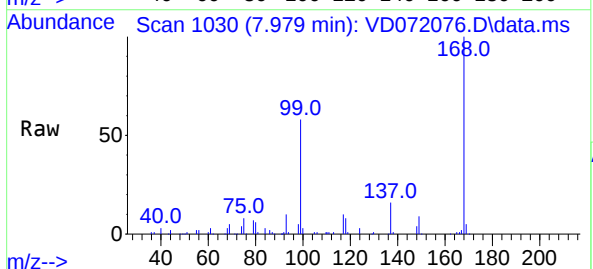
Tgt Ion: 117 Resp: 28689

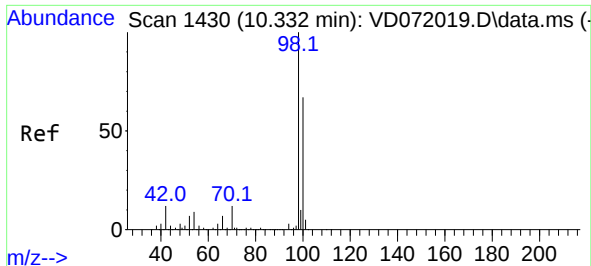
Ion Ratio Lower Upper

117 100

119 7.7 75.8 113.8#

121 0.0 25.8 38.6#

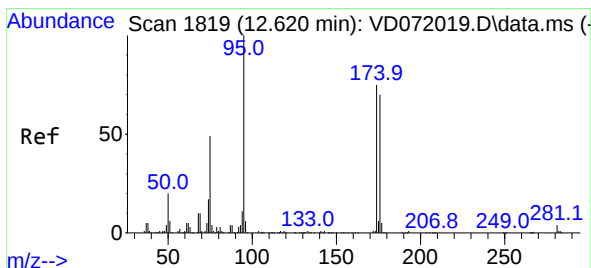
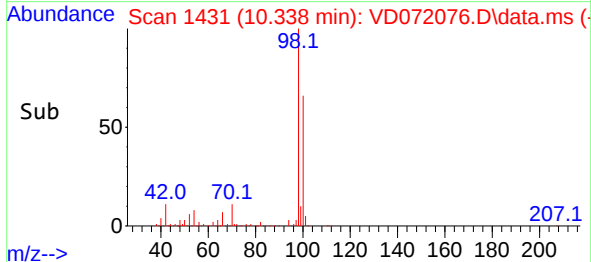
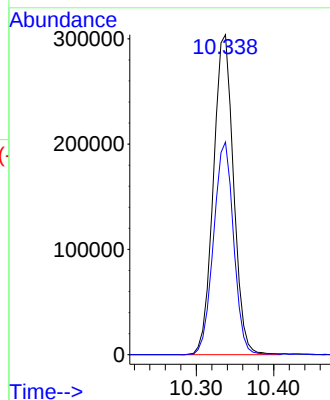
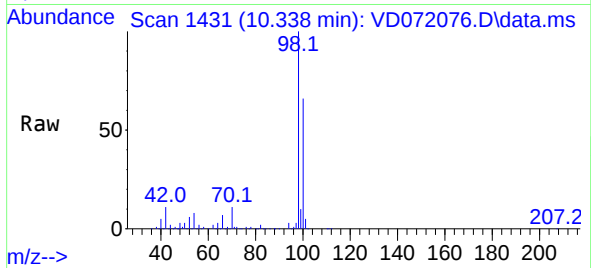




#50
Toluene-d8
Concen: 55.059 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

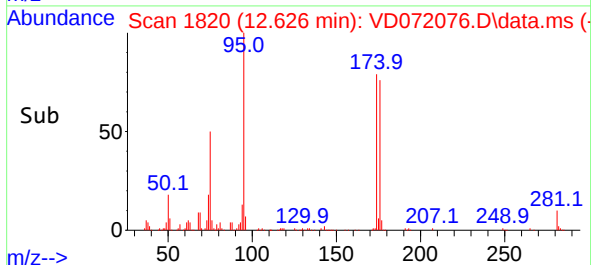
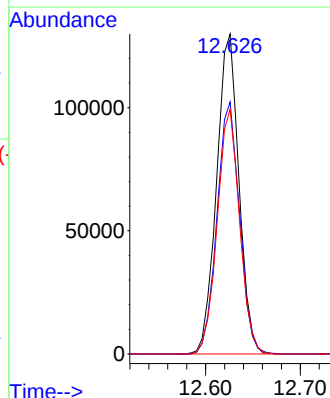
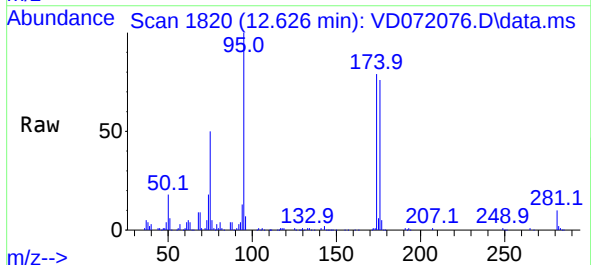
Instrument :
MSVOA_D
ClientSampleId :
GS-4

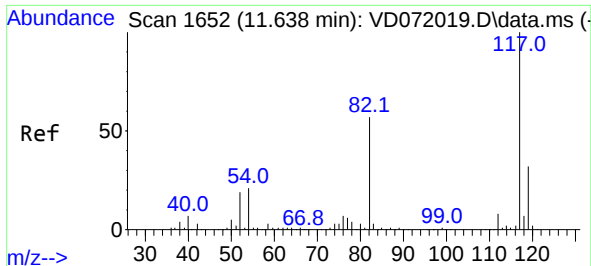
Tgt Ion: 98 Resp: 548912
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 58.104 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Tgt Ion: 95 Resp: 212784
Ion Ratio Lower Upper
95 100
174 79.6 0.0 155.0
176 76.1 0.0 148.8

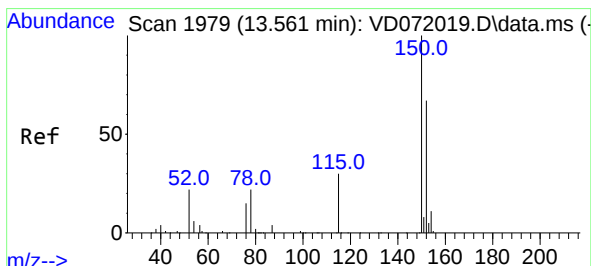
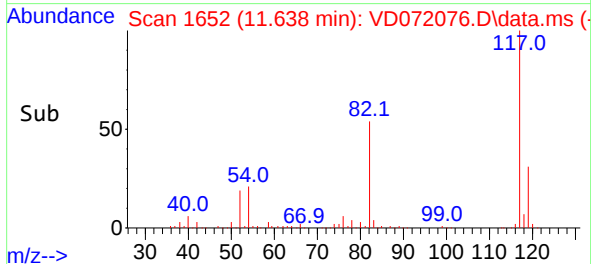
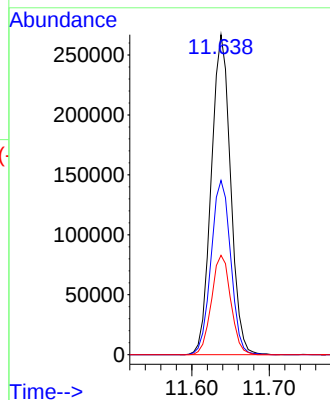
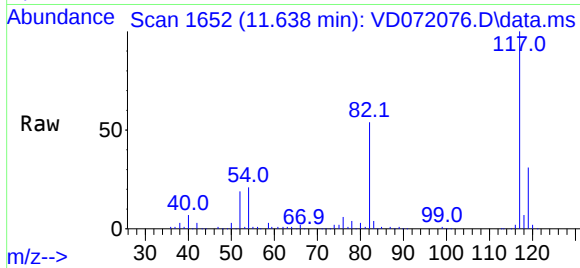




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

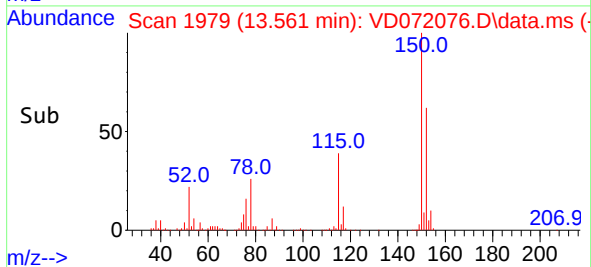
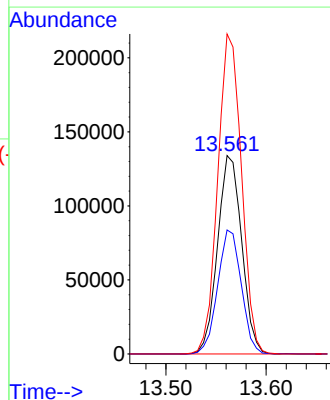
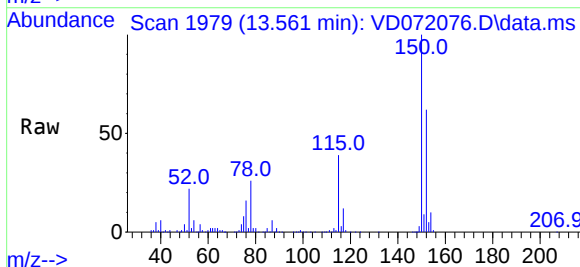
Instrument :
MSVOA_D
ClientSampleId :
GS-4

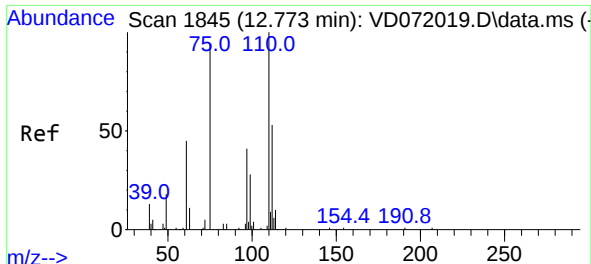
Tgt Ion:117 Resp: 461783
Ion Ratio Lower Upper
117 100
82 54.4 45.4 68.0
119 31.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Tgt Ion:152 Resp: 224471
Ion Ratio Lower Upper
152 100
115 61.0 29.9 89.7
150 158.4 0.0 347.6

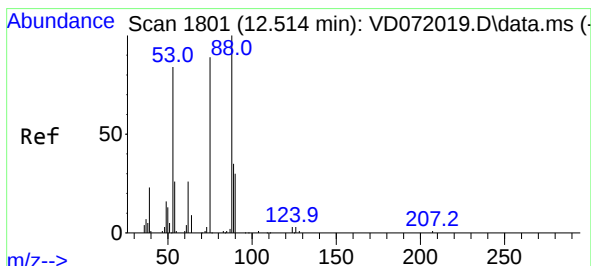
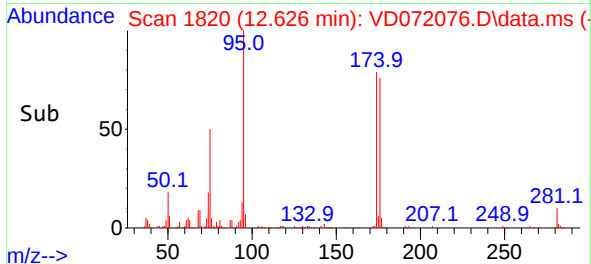
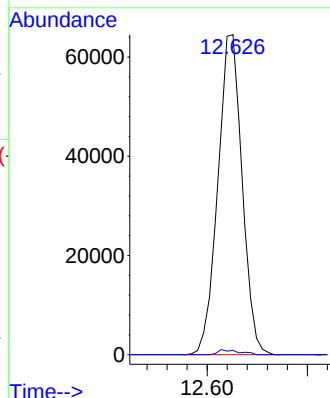
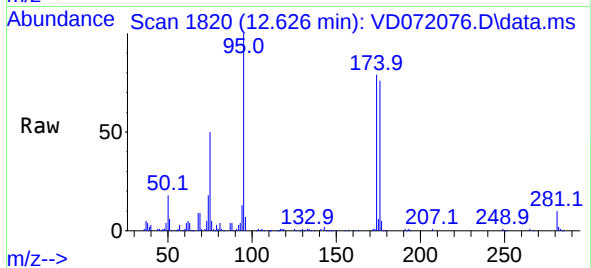




#76
1,2,3-Trichloropropane
Concen: 50.893 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Instrument :
MSVOA_D
ClientSampleId :
GS-4

Tgt Ion: 75 Resp: 108211
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.447 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD072076.D
Acq: 23 Feb 2022 16:02

Tgt Ion: 75 Resp: 108211
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.4#
89 0.3 36.4 54.6#

