

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022322\
 Data File : VD072077.D
 Acq On : 23 Feb 2022 16:30
 Operator : VA/SY
 Sample : N1598-05
 Misc : 6.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GS-5

Quant Time: Feb 24 06:47:32 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)

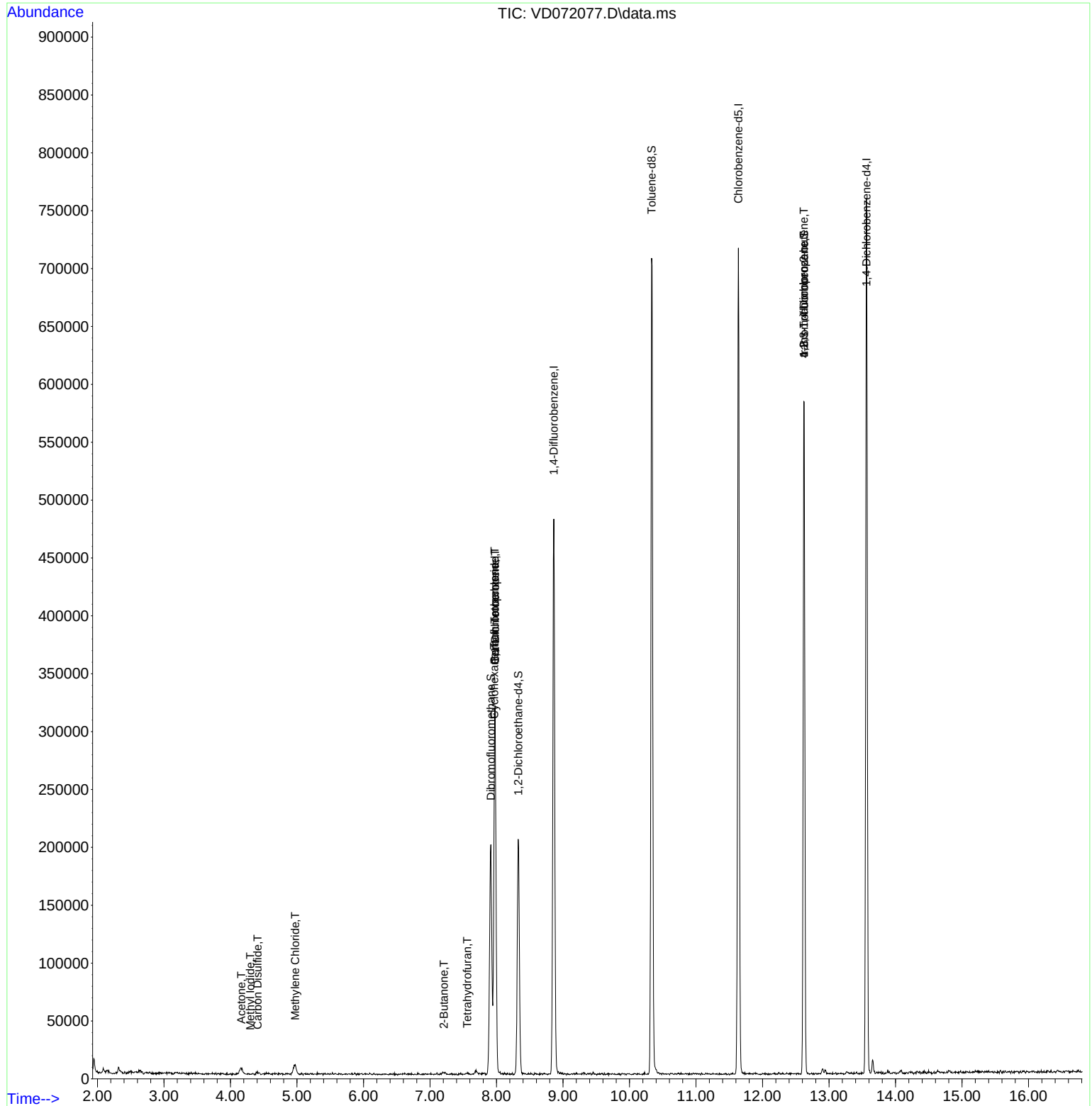
Internal Standards						
1) Pentafluorobenzene	7.973	168	232795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	403727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	412514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	203107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	163127	67.554	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.100%	
35) Dibromofluoromethane	7.914	113	143241	58.560	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.120%	
50) Toluene-d8	10.332	98	499976	55.118	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.240%	
62) 4-Bromofluorobenzene	12.626	95	190976	57.315	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	626	Below Cal		96
10) Methyl Iodide	4.297	142	318	3.037 ug/l	#	40
16) Acetone	4.162	43	10843	20.777 ug/l		100
17) Carbon Disulfide	4.409	76	2560	1.088 ug/l	#	76
18) Methyl Acetate	4.732	43	60	Below Cal	#	52
20) Methylene Chloride	4.973	84	6745	2.597 ug/l	#	82
25) 2-Butanone	7.209	43	1449	2.009 ug/l		94
29) Tetrahydrofuran	7.562	42	617	1.340 ug/l	#	44
31) Cyclohexane	7.967	56	5339	1.252 ug/l	#	39
36) 1,1-Dichloropropene	7.979	75	19155	5.170 ug/l	#	48
38) Carbon Tetrachloride	7.973	117	25047	6.595 ug/l	#	16
76) 1,2,3-Trichloropropane	12.620	75	97876	50.874 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	97876	127.400 ug/l	#	10

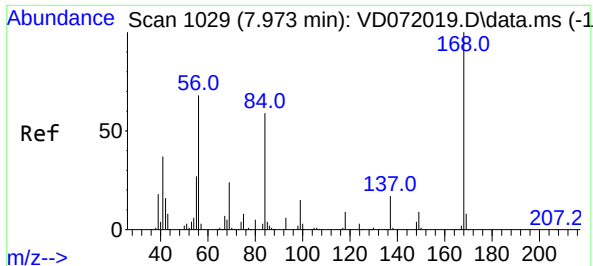
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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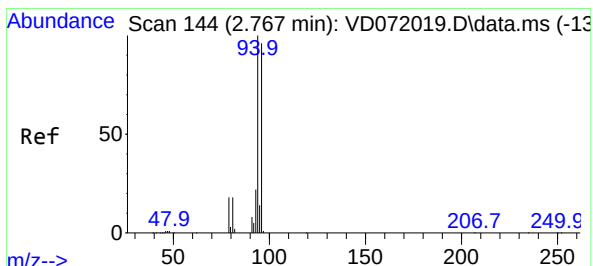
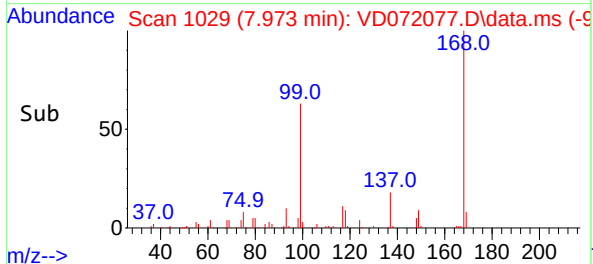
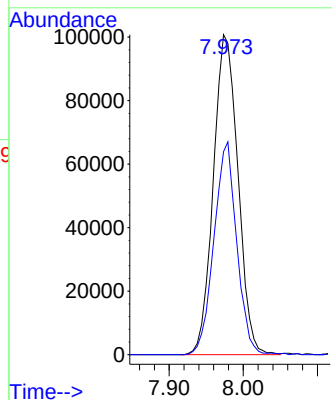
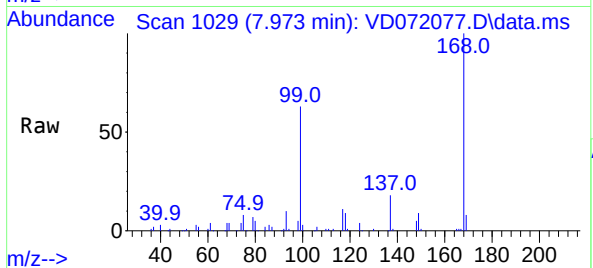




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

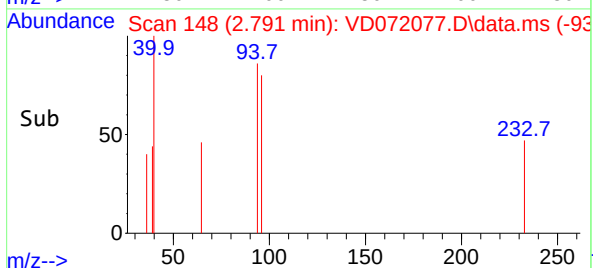
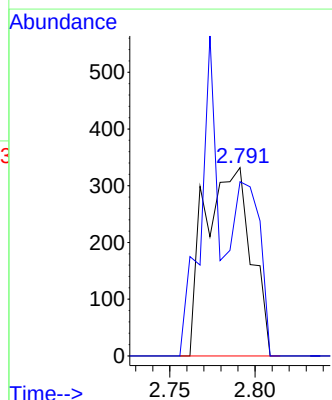
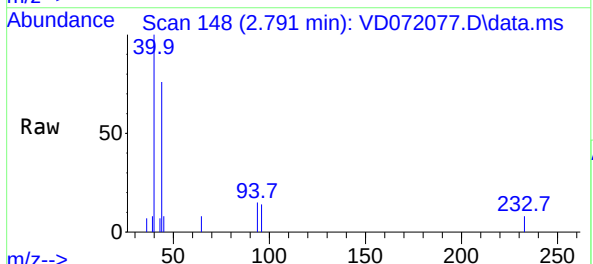
Instrument :
MSVOA_D
ClientSampleId :
GS-5

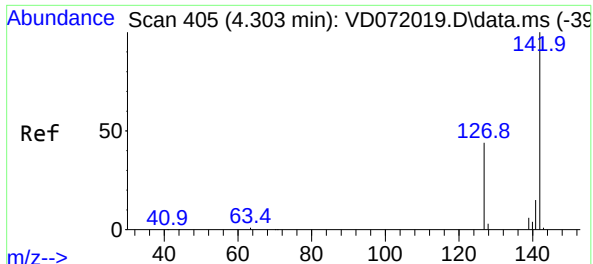
Tgt Ion:168 Resp: 232795
Ion Ratio Lower Upper
168 100
99 63.4 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.024 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

Tgt Ion: 94 Resp: 626
Ion Ratio Lower Upper
94 100
96 92.5 76.8 115.2

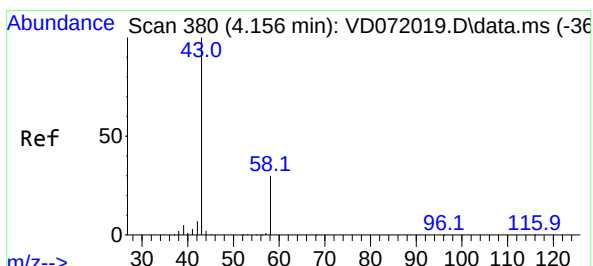
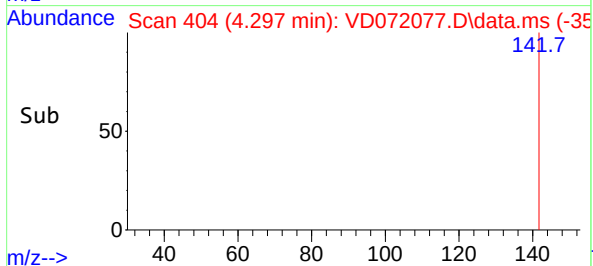
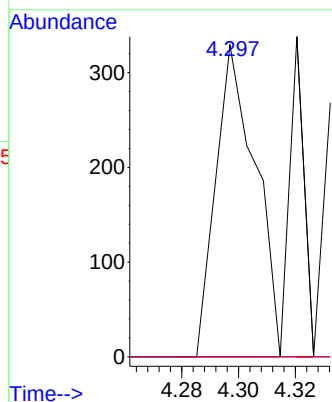
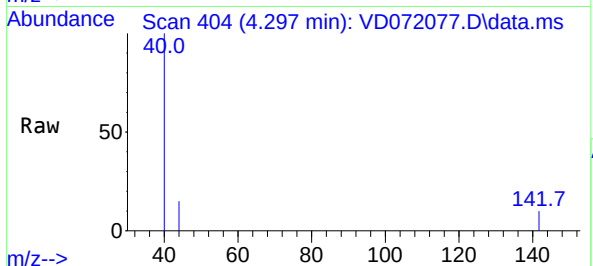




#10
Methyl Iodide
Concen: 3.037 ug/l
RT: 4.297 min Scan# 40
Delta R.T. -0.006 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

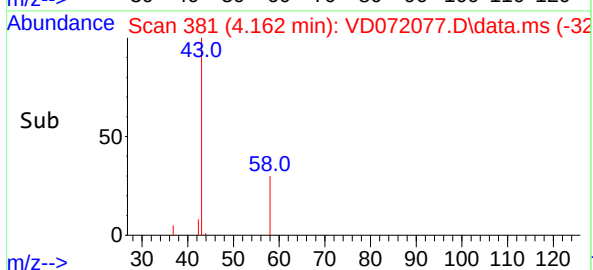
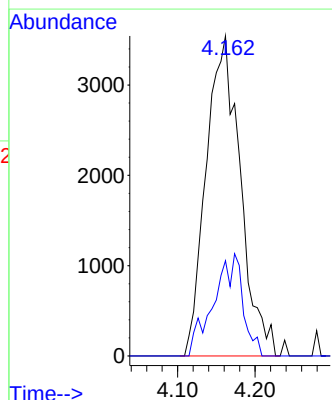
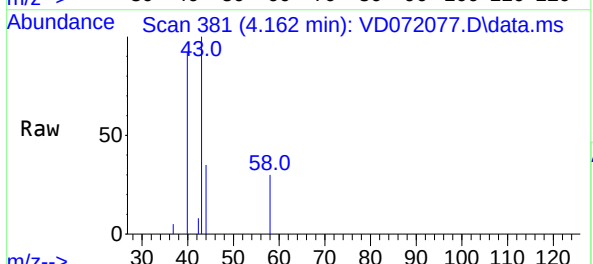
Instrument :
MSVOA_D
ClientSampleId :
GS-5

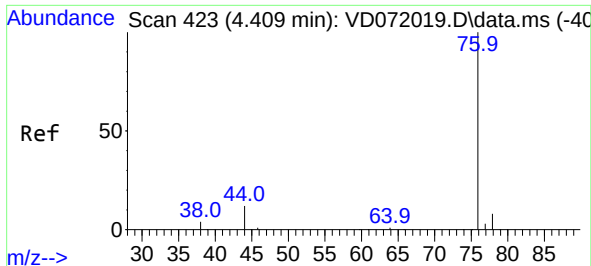
Tgt Ion:142 Resp: 318
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 20.777 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

Tgt Ion: 43 Resp: 10843
Ion Ratio Lower Upper
43 100
58 29.7 23.8 35.6

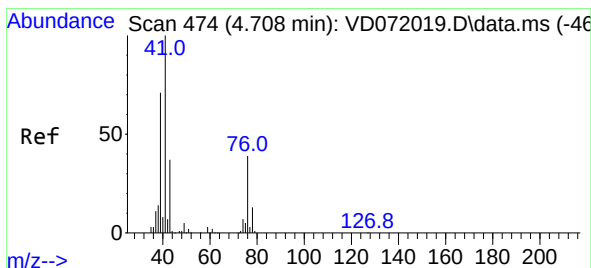
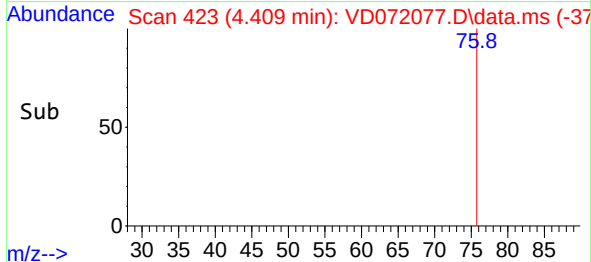
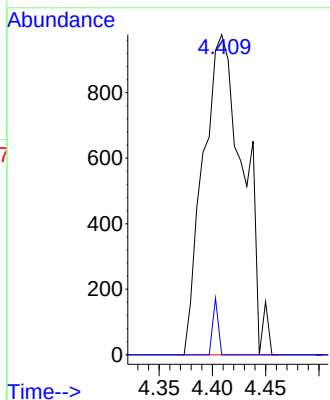
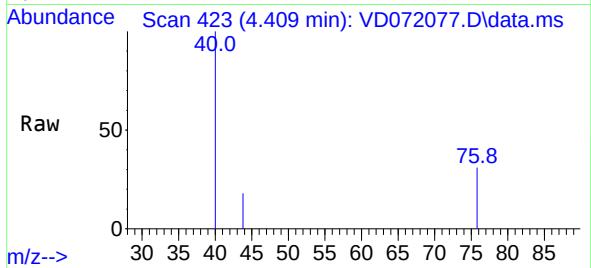




#17
Carbon Disulfide
Concen: 1.088 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

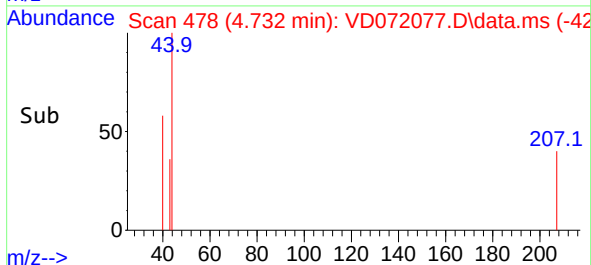
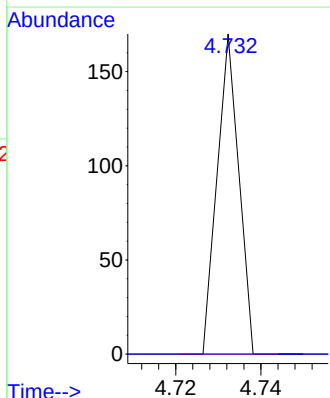
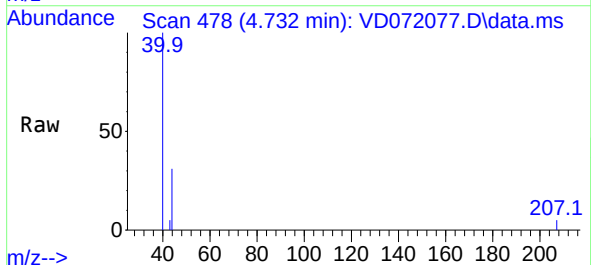
Instrument :
MSVOA_D
ClientSampleId :
GS-5

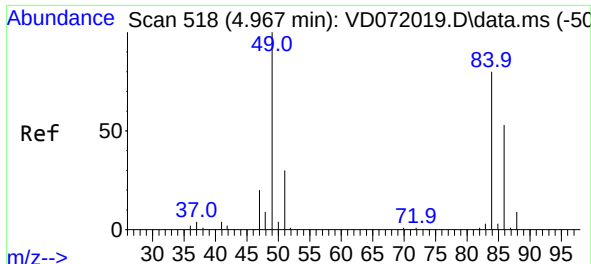
Tgt Ion: 76 Resp: 2560
Ion Ratio Lower Upper
76 100
78 0.0 6.7 10.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.024 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



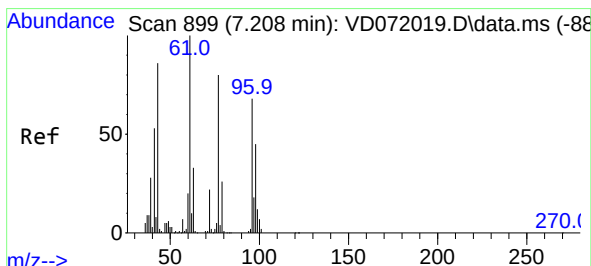
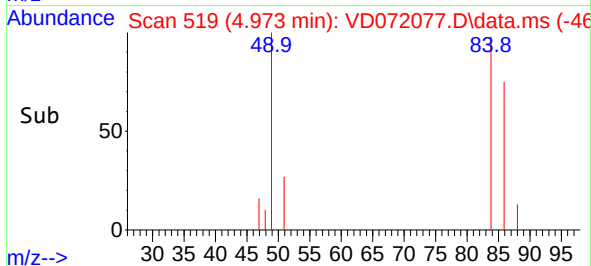
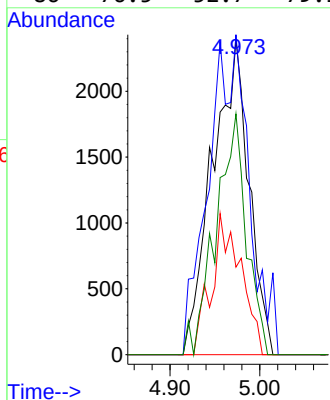
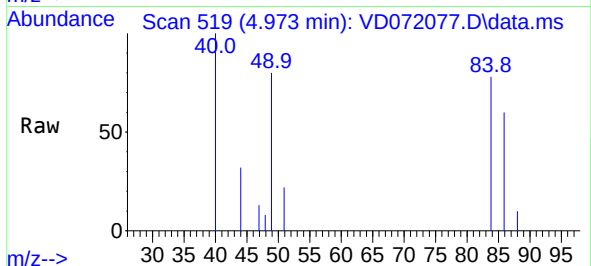


#20
Methylene Chloride
Concen: 2.597 ug/l
RT: 4.973 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

Instrument :
MSVOA_D
ClientSampleId :
GS-5

Tgt Ion: 84 Resp: 6745

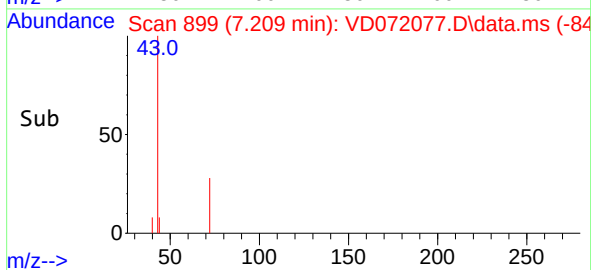
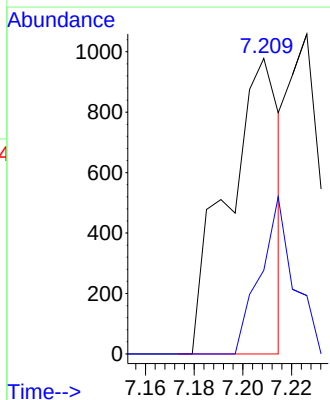
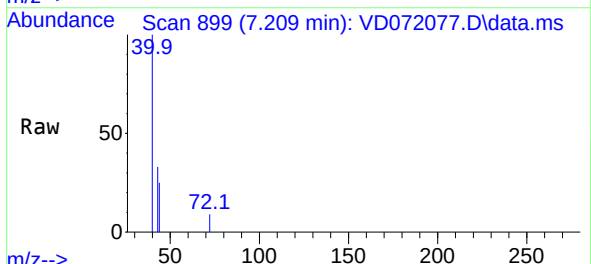
Ion	Ratio	Lower	Upper
84	100		
49	101.6	100.0	150.0
51	27.8	30.2	45.4#
86	76.5	52.7	79.1

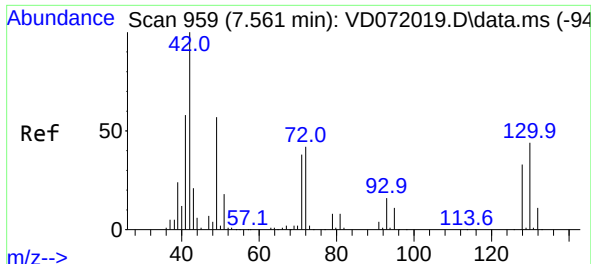


#25
2-Butanone
Concen: 2.009 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

Tgt Ion: 43 Resp: 1449

Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.3	30.5





#29

Tetrahydrofuran

Concen: 1.340 ug/l

RT: 7.562 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD072077.D

Acq: 23 Feb 2022 16:30

Instrument :

MSVOA_D

ClientSampleId :

GS-5

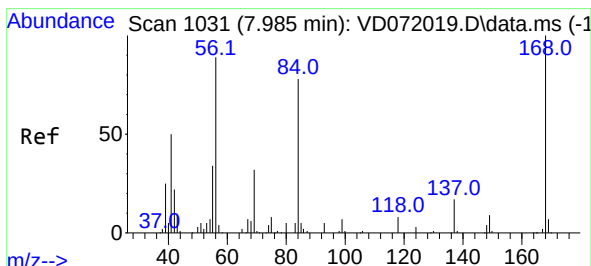
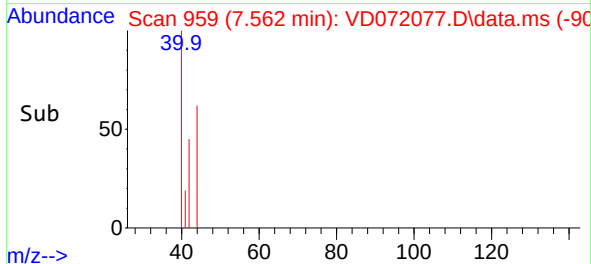
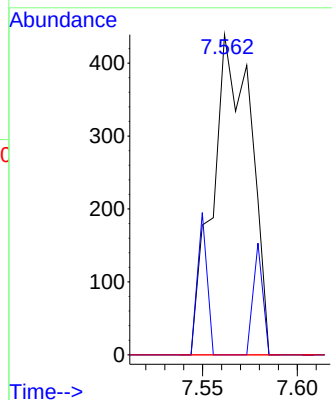
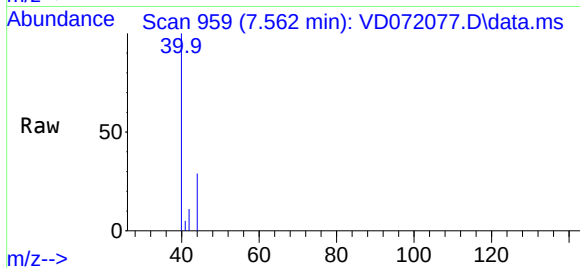
Tgt Ion: 42 Resp: 617

Ion Ratio Lower Upper

42 100

72 11.2 33.6 50.4#

71 0.0 31.0 46.4#



#31

Cyclohexane

Concen: 1.252 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.017 min

Lab File: VD072077.D

Acq: 23 Feb 2022 16:30

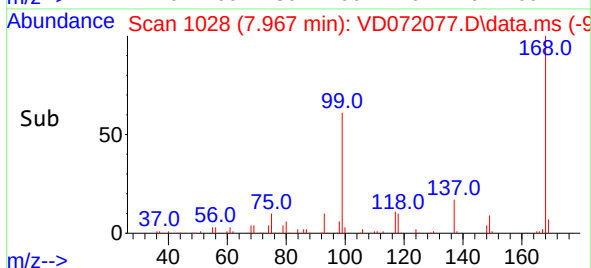
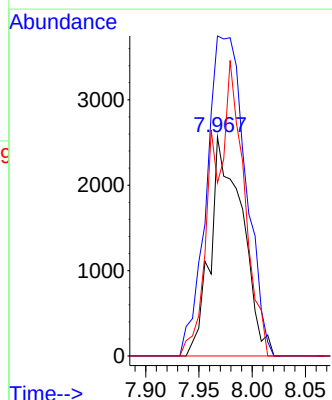
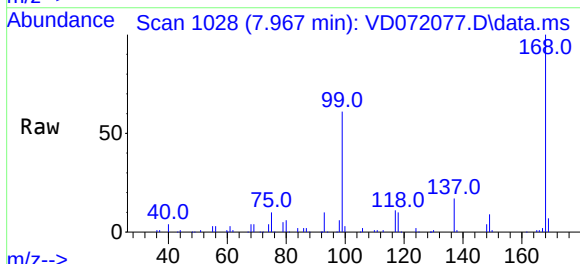
Tgt Ion: 56 Resp: 5339

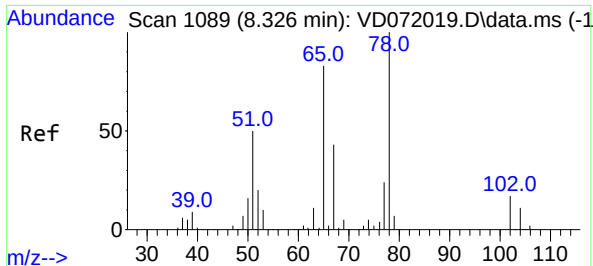
Ion Ratio Lower Upper

56 100

69 146.1 28.9 43.3#

84 79.0 70.6 105.8





#33

1,2-Dichloroethane-d4

Concen: 67.554 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072077.D

Acq: 23 Feb 2022 16:30

Instrument :

MSVOA_D

ClientSampleId :

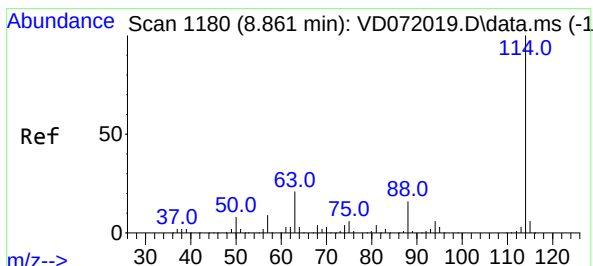
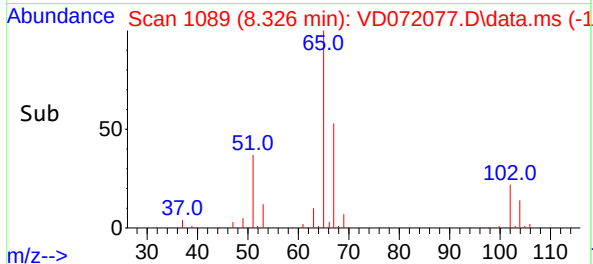
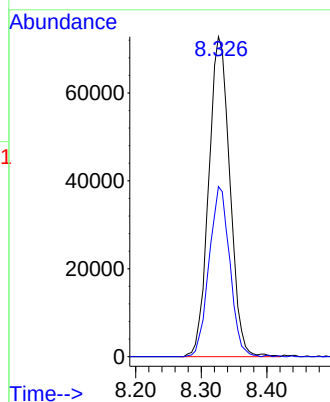
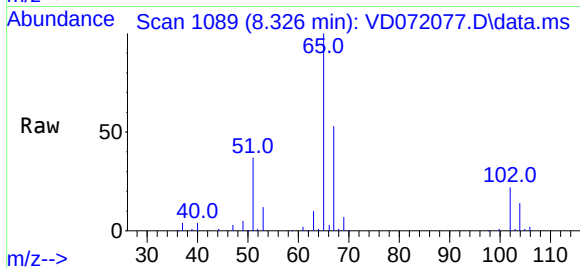
GS-5

Tgt Ion: 65 Resp: 163127

Ion Ratio Lower Upper

65 100

67 51.9 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: VD072077.D

Acq: 23 Feb 2022 16:30

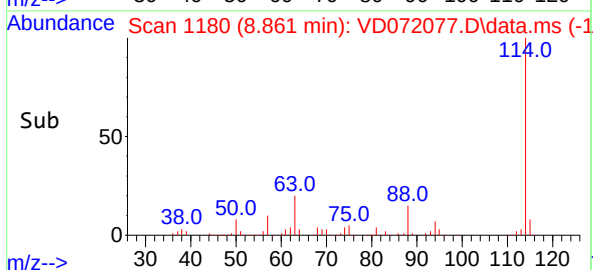
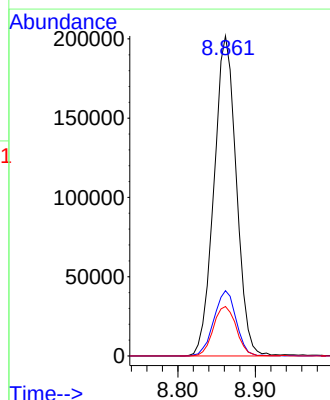
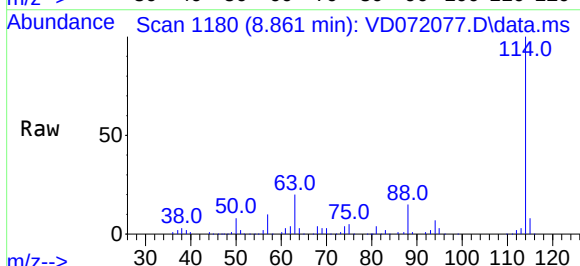
Tgt Ion: 114 Resp: 403727

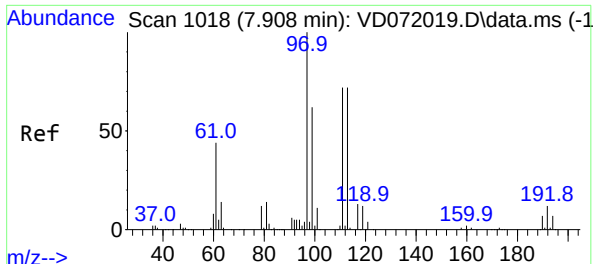
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.2

88 15.4 0.0 31.2

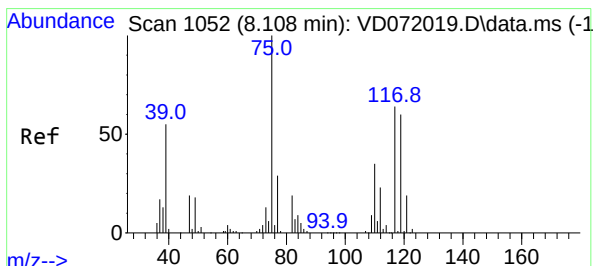
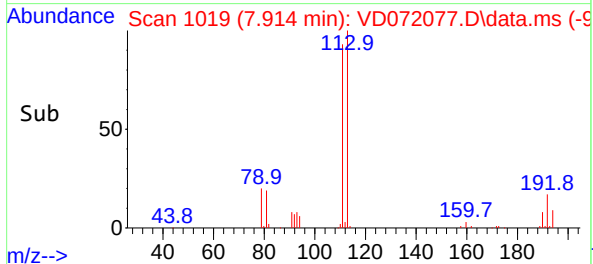
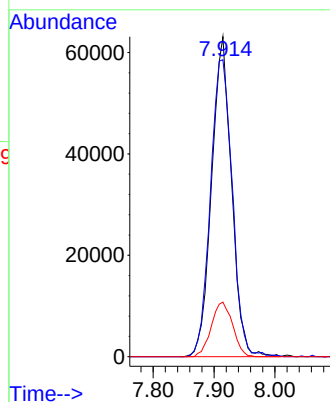
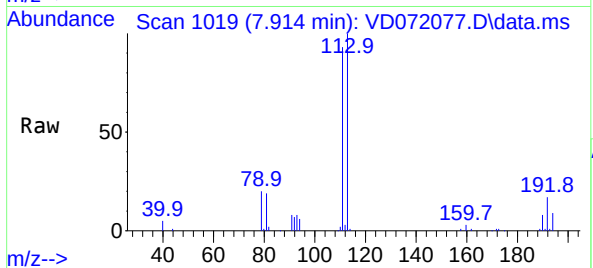




#35
Dibromofluoromethane
Concen: 58.560 ug/l
RT: 7.914 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

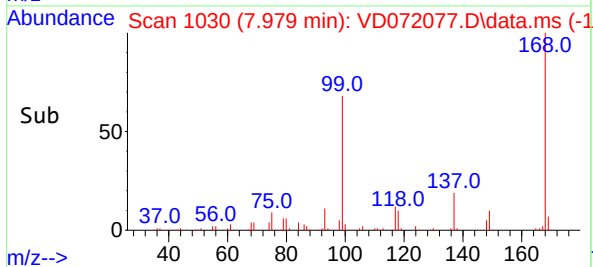
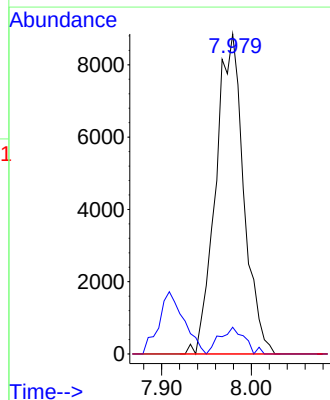
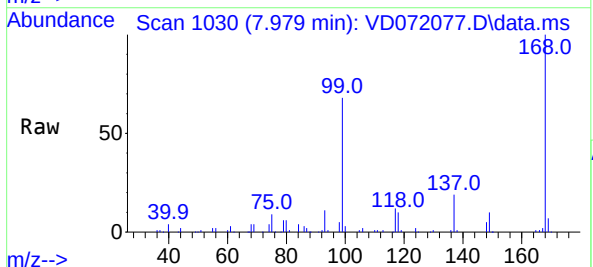
Instrument :
MSVOA_D
ClientSampleId :
GS-5

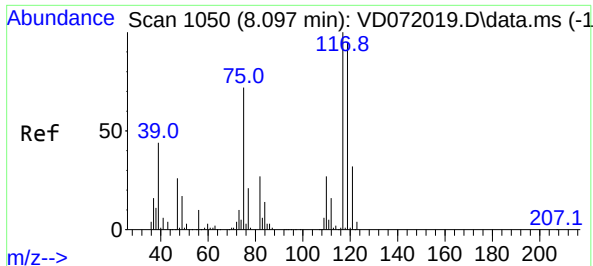
Tgt Ion:113 Resp: 143241
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.4
192 18.2 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.170 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

Tgt Ion: 75 Resp: 19155
Ion Ratio Lower Upper
75 100
110 7.4 17.7 53.1#
77 0.0 24.8 37.2#

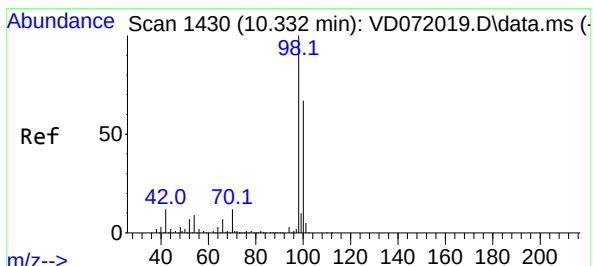
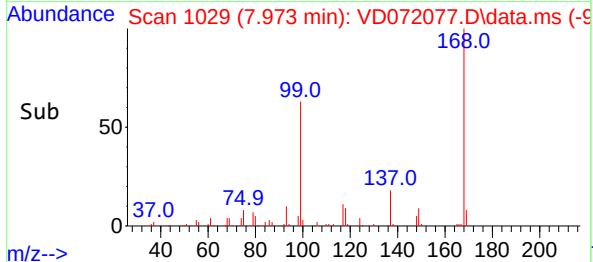
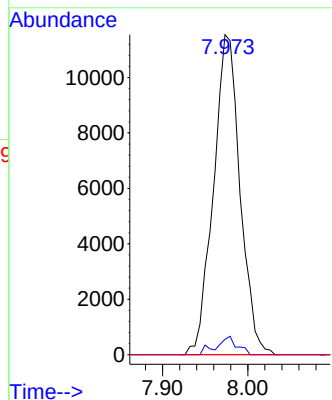
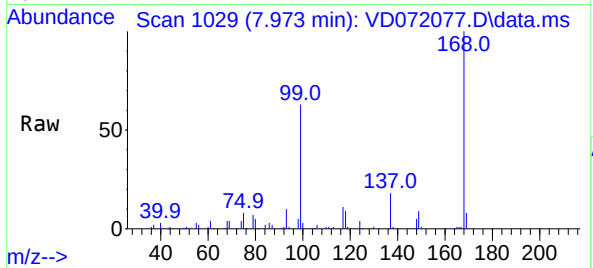




#38
Carbon Tetrachloride
Concen: 6.595 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

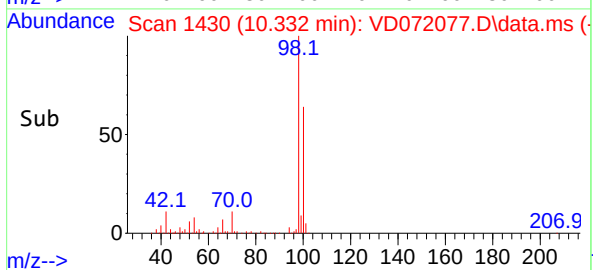
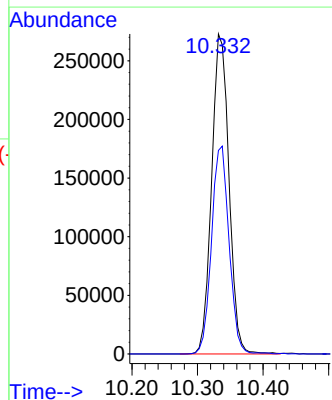
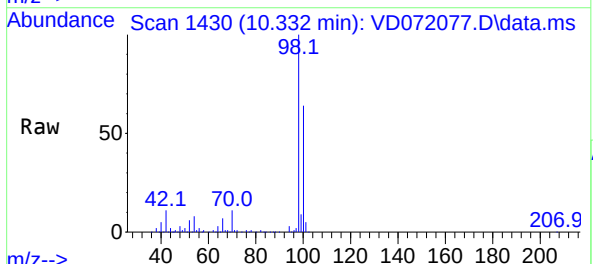
Instrument :
MSVOA_D
ClientSampleId :
GS-5

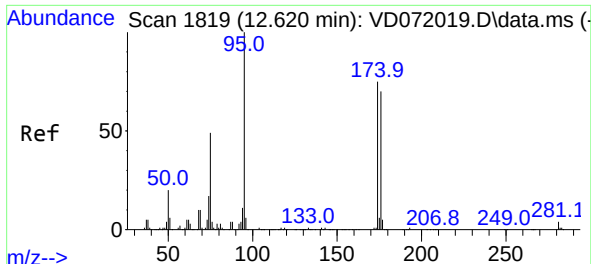
Tgt Ion:117 Resp: 25047
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.118 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

Tgt Ion: 98 Resp: 499976
Ion Ratio Lower Upper
98 100
100 65.8 53.8 80.6

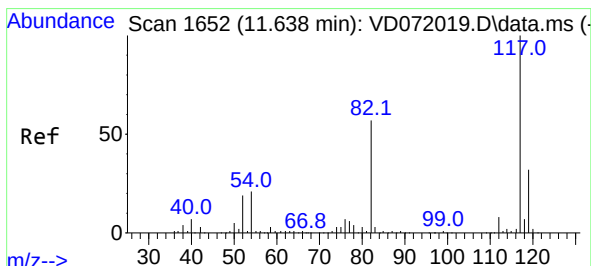
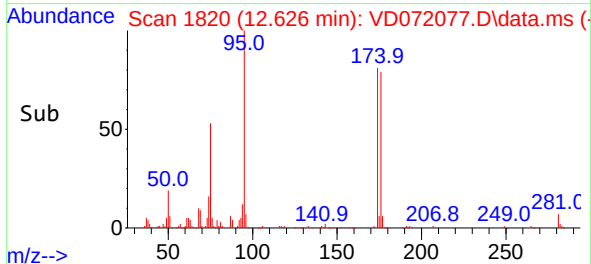
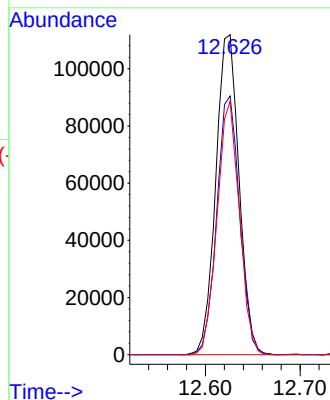
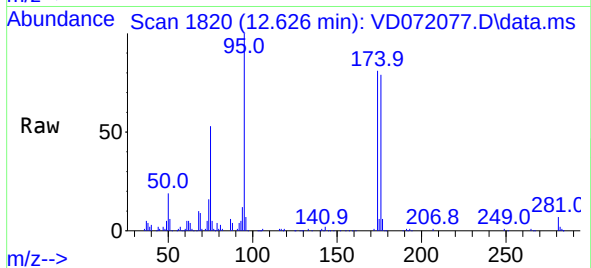




#62
4-Bromofluorobenzene
Concen: 57.315 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

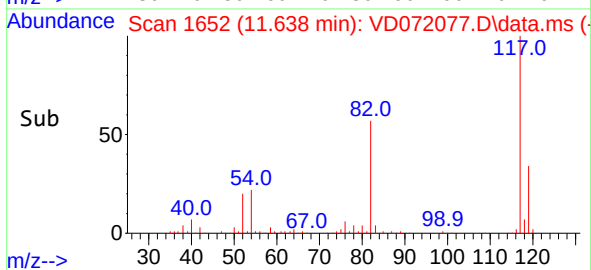
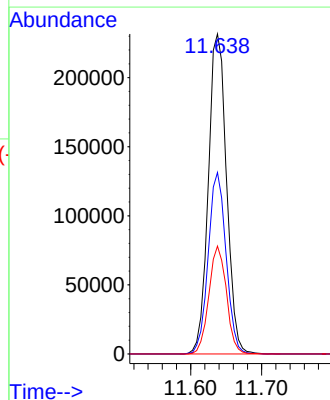
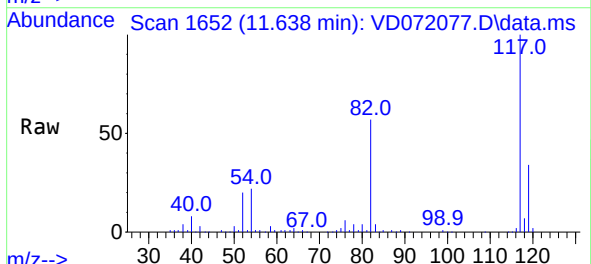
Instrument :
MSVOA_D
ClientSampleId :
GS-5

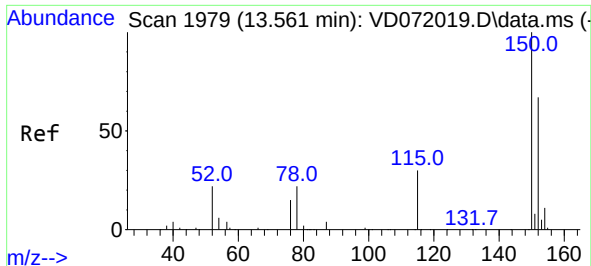
Tgt Ion: 95 Resp: 190976
Ion Ratio Lower Upper
95 100
174 79.9 0.0 155.0
176 75.9 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

Tgt Ion: 117 Resp: 412514
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.0
119 33.7 25.4 38.2

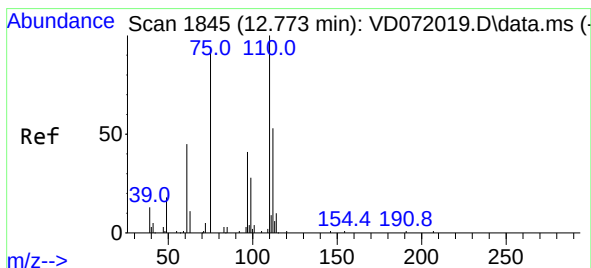
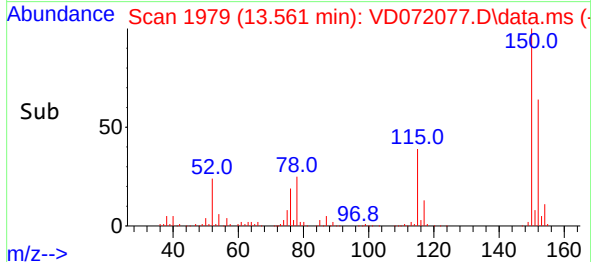
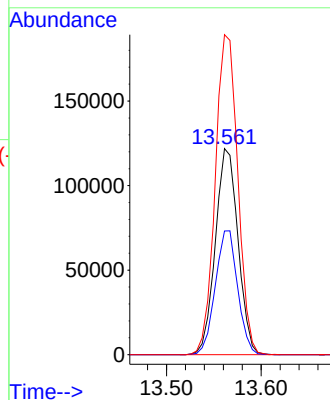
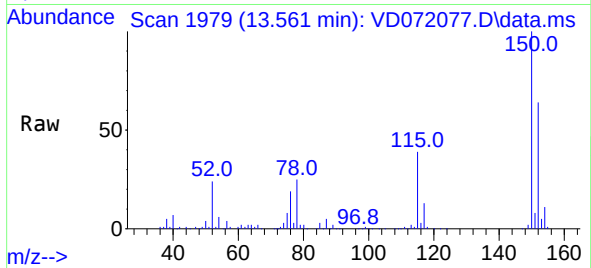




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

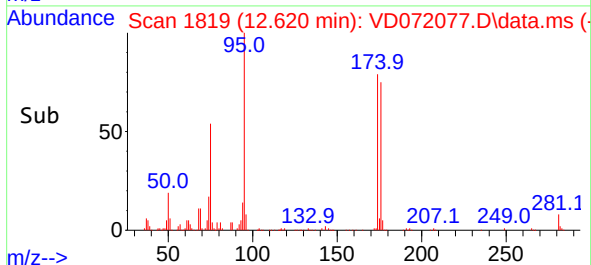
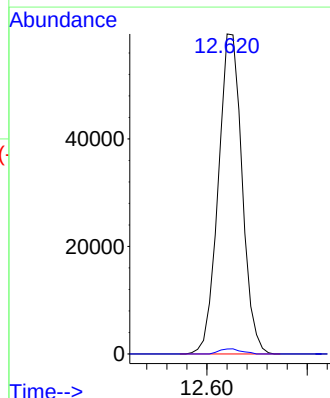
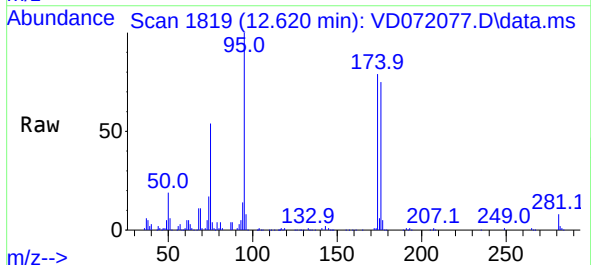
Instrument :
MSVOA_D
ClientSampleId :
GS-5

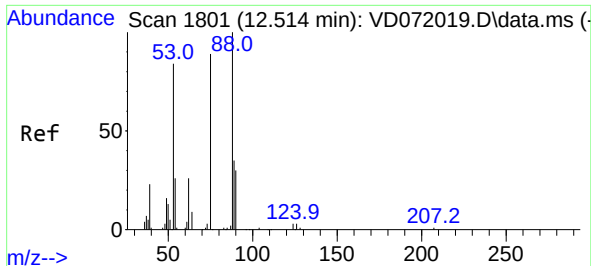
Tgt Ion:152 Resp: 203107
Ion Ratio Lower Upper
152 100
115 59.4 29.9 89.7
150 154.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.874 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072077.D
Acq: 23 Feb 2022 16:30

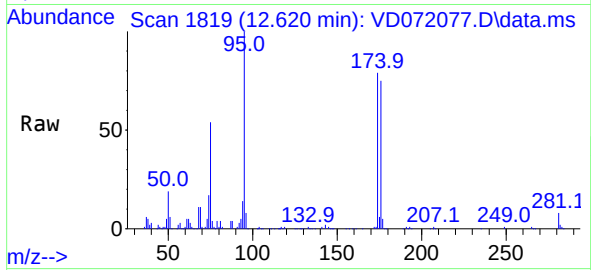
Tgt Ion: 75 Resp: 97876
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.400 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD072077.D
 Acq: 23 Feb 2022 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 GS-5



Tgt Ion: 75 Resp: 97876
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.4#
 89 0.1 36.4 54.6#

