

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080223\
 Data File : VD076906.D
 Acq On : 02 Aug 2023 19:02
 Operator : KP/SY
 Sample : 03877-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

Quant Time: Aug 03 01:25:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

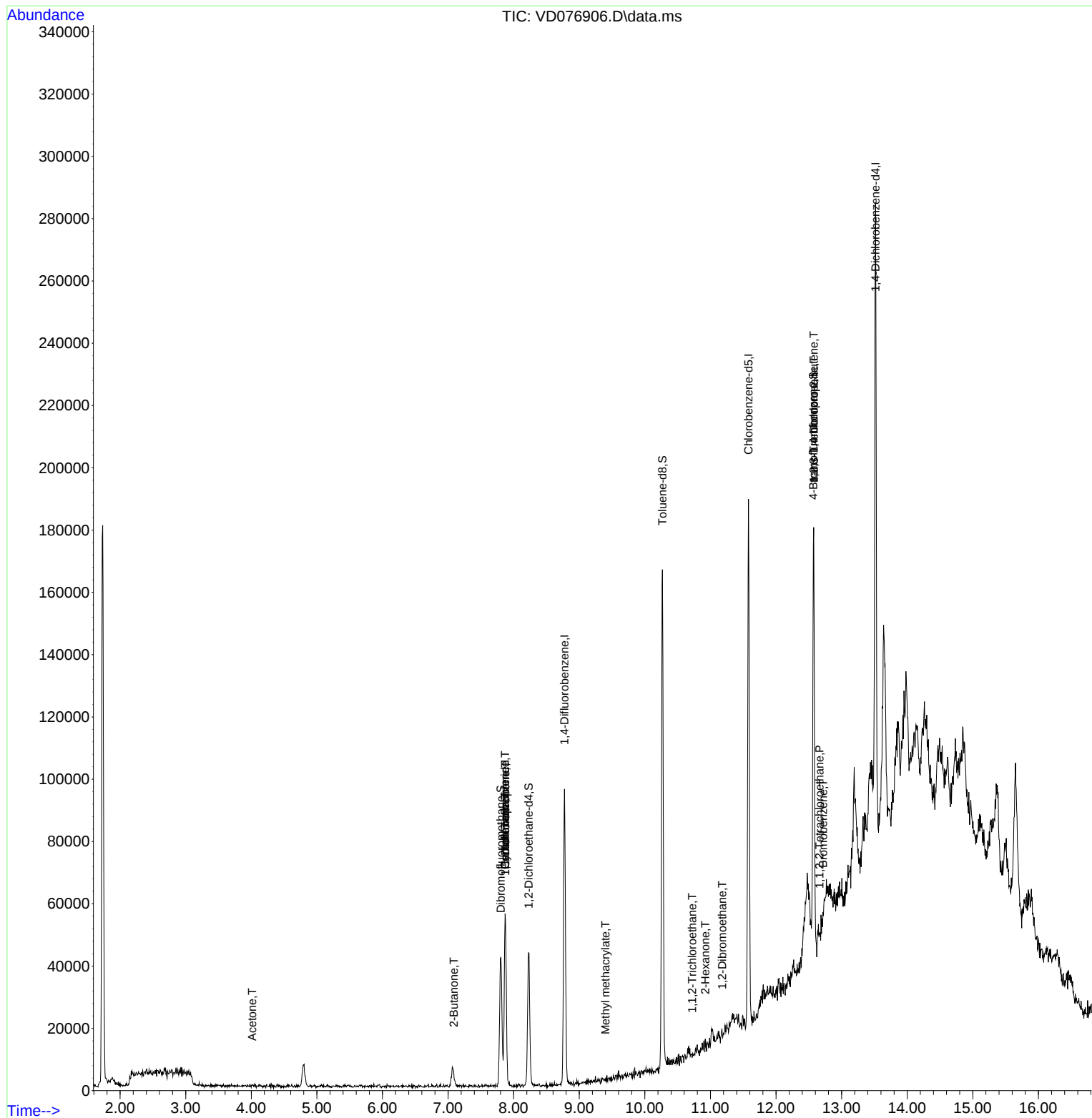
Internal Standards						
1) Pentafluorobenzene	7.869	168	41399	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	86191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	98887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	49501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	33957	82.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.700%#	
35) Dibromofluoromethane	7.804	113	32079	59.227	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.460%	
50) Toluene-d8	10.269	98	113559	58.608	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.220%	
62) 4-Bromofluorobenzene	12.569	95	42990	68.584	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 137.160%	
Target Compounds						
					Qvalue	
16) Acetone	4.016	43	336	3.412	ug/l	# 32
20) Methylene Chloride	4.805	84	5524	Below Cal	#	76
25) 2-Butanone	7.087	43	308	2.337	ug/l	# 37
31) Cyclohexane	7.869	56	1036	1.707	ug/l	# 50
36) 1,1-Dichloropropene	7.875	75	3506	4.954	ug/l	# 45
38) Carbon Tetrachloride	7.869	117	4795	7.075	ug/l	# 20
48) Methyl methacrylate	9.399	41	492	1.750	ug/l	# 52
55) 1,1,2-Trichloroethane	10.722	97	792	1.607	ug/l	# 42
59) 2-Hexanone	10.922	43	501	2.135	ug/l	# 16
61) 1,2-Dibromoethane	11.181	107	837	1.832	ug/l	# 69
75) 1,1,2,2-Tetrachloroethane	12.663	83	1045	1.355	ug/l	# 86
76) 1,2,3-Trichloropropane	12.575	75	22015	46.766	ug/l	# 100
77) Bromobenzene	12.716	156	1883	2.271	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.575	75	22015	99.530	ug/l	# 18

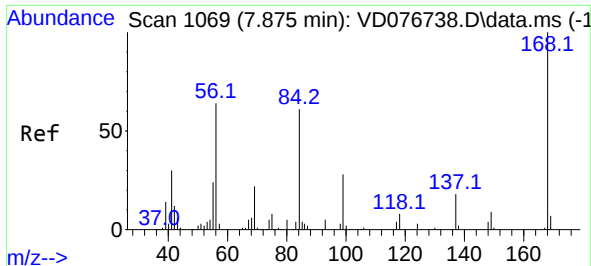
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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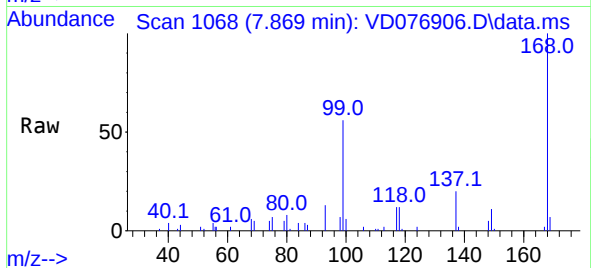
Quant Time: Aug 03 01:25:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
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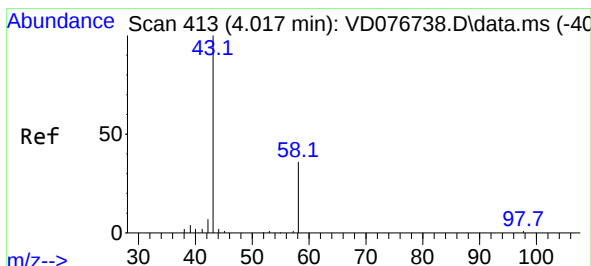
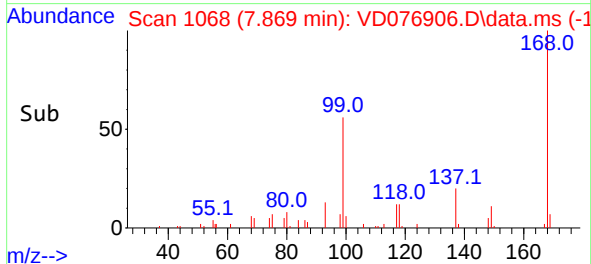
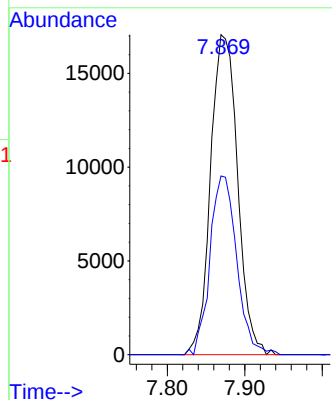


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

Instrument :
MSVOA_D
ClientSampleId :
COMP-1

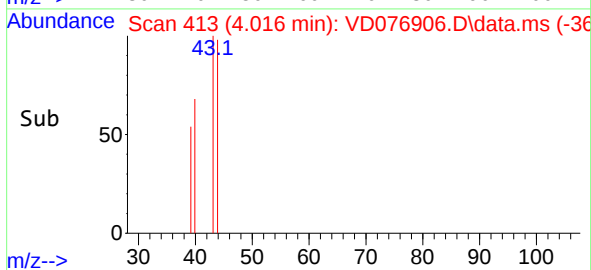
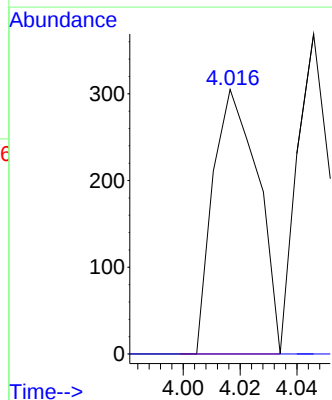
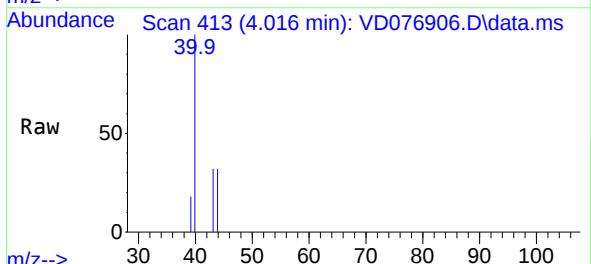


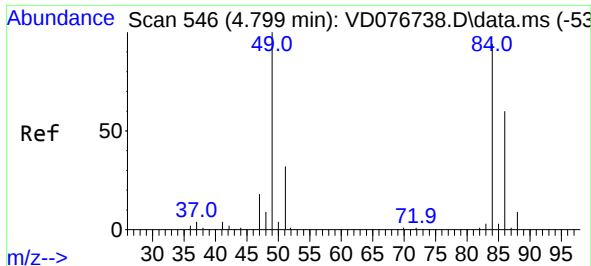
Tgt Ion:168 Resp: 41399
Ion Ratio Lower Upper
168 100
99 55.9 36.7 55.1#



#16
Acetone
Concen: 3.412 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.001 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

Tgt Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

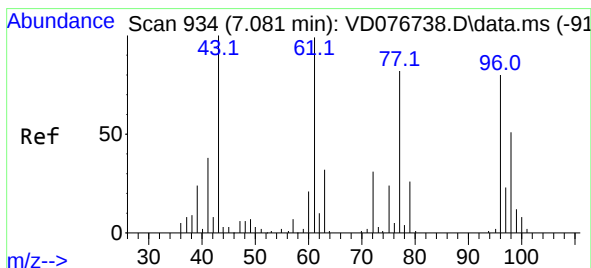
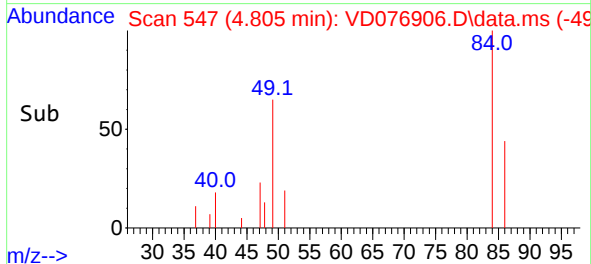
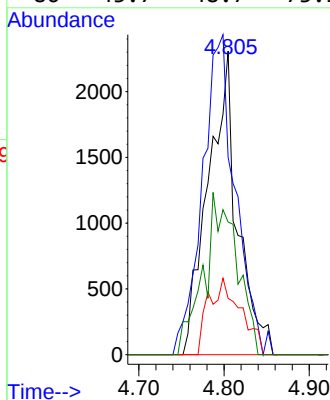
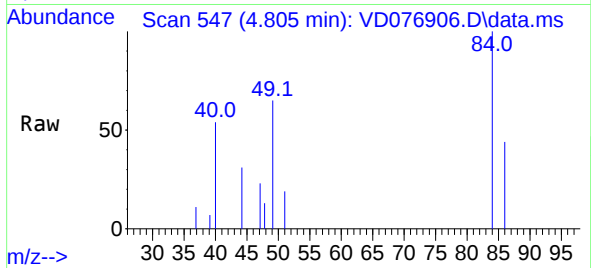




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

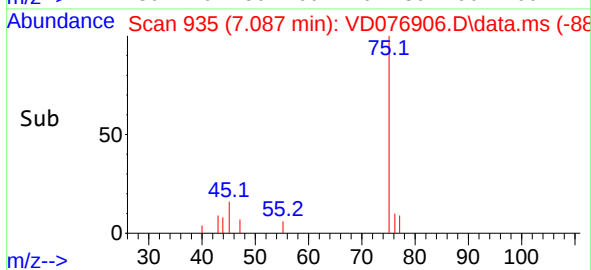
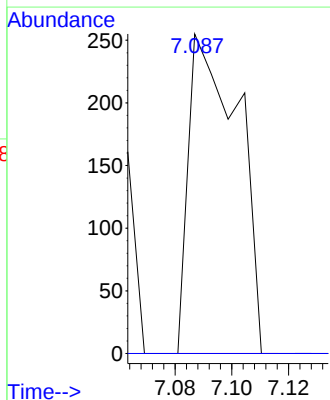
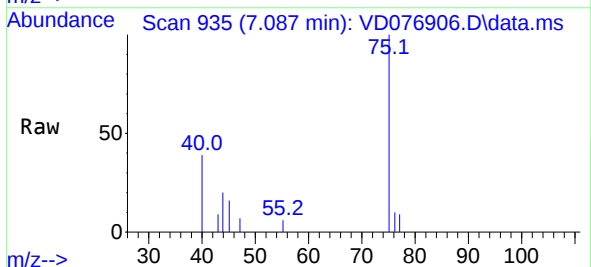
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

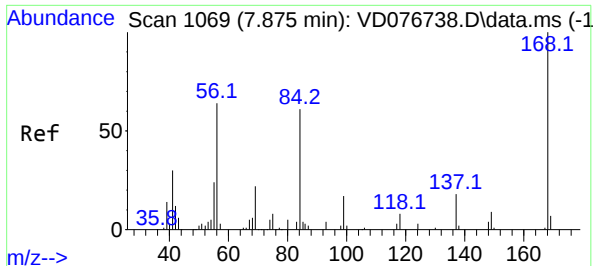
Tgt Ion: 84 Resp: 5524
Ion Ratio Lower Upper
84 100
49 65.0 71.4 107.2#
51 18.5 24.5 36.7#
86 43.7 48.7 73.1#



#25
2-Butanone
Concen: 2.337 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

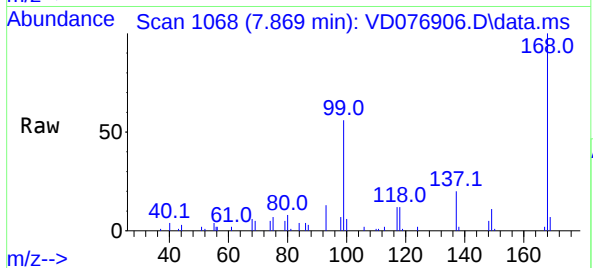
Tgt Ion: 43 Resp: 308
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



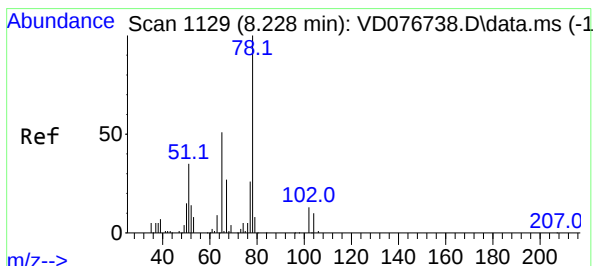
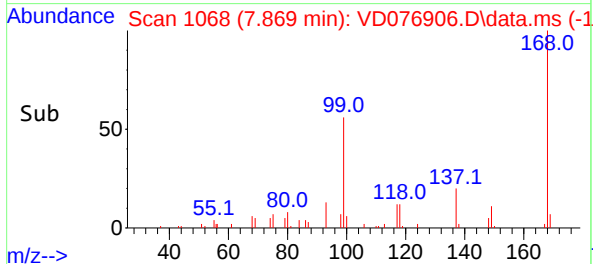
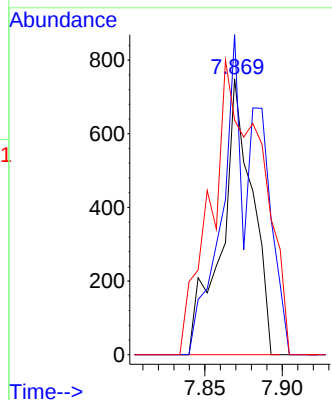


#31
Cyclohexane
Concen: 1.707 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

Instrument :
MSVOA_D
ClientSampleId :
COMP-1

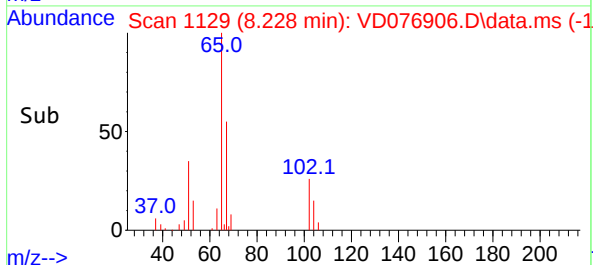
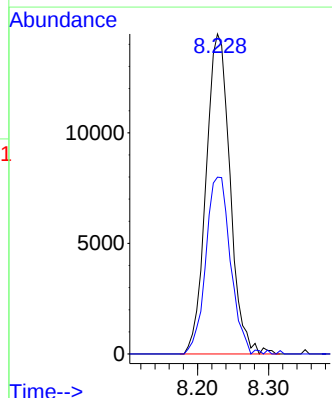
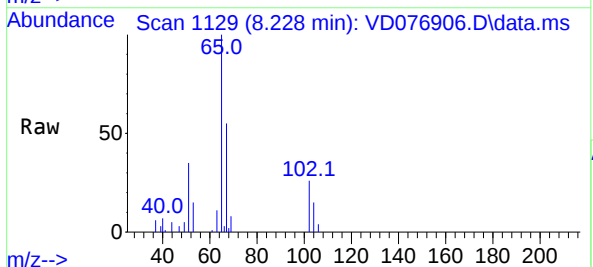


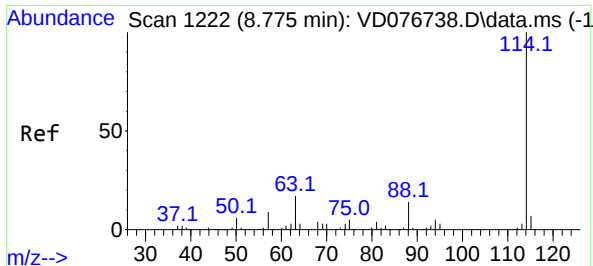
Tgt Ion: 56 Resp: 1036
Ion Ratio Lower Upper
56 100
69 116.0 28.6 43.0#
84 85.0 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 82.351 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

Tgt Ion: 65 Resp: 33957
Ion Ratio Lower Upper
65 100
67 56.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076906.D

Acq: 02 Aug 2023 19:02

Instrument :

MSVOA_D

ClientSampleId :

COMP-1

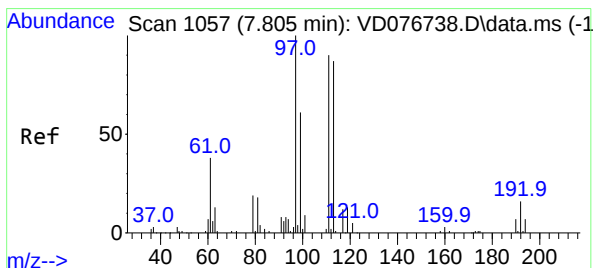
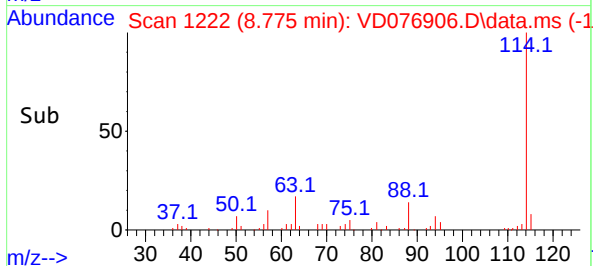
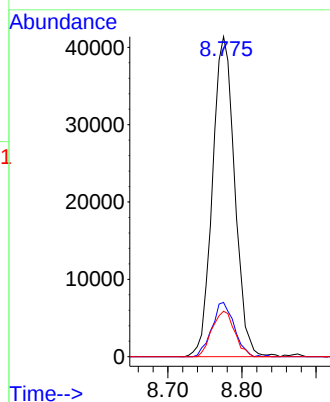
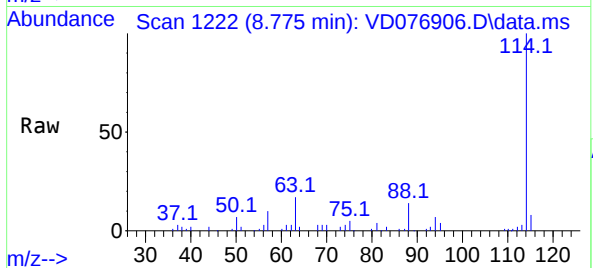
Tgt Ion:114 Resp: 86191

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 59.227 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076906.D

Acq: 02 Aug 2023 19:02

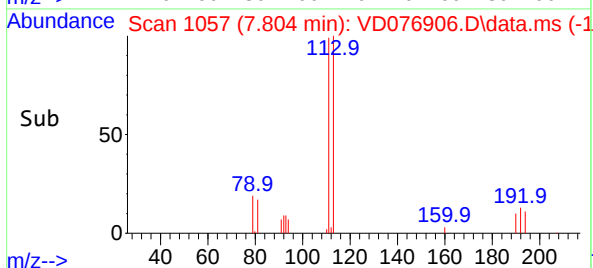
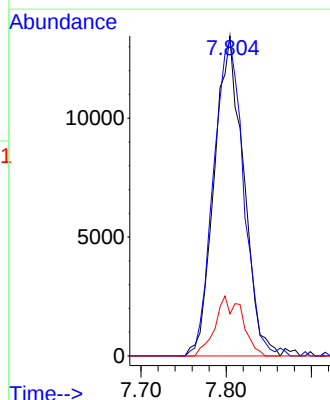
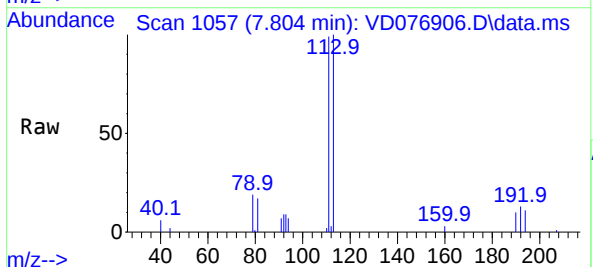
Tgt Ion:113 Resp: 32079

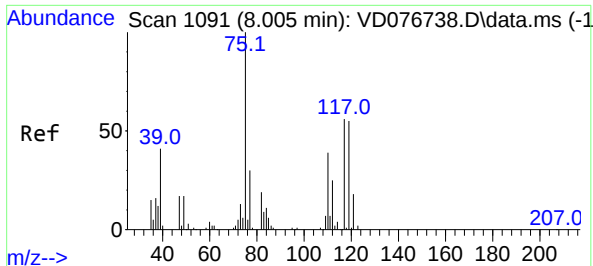
Ion Ratio Lower Upper

113 100

111 102.1 84.7 127.1

192 17.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.954 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076906.D

Acq: 02 Aug 2023 19:02

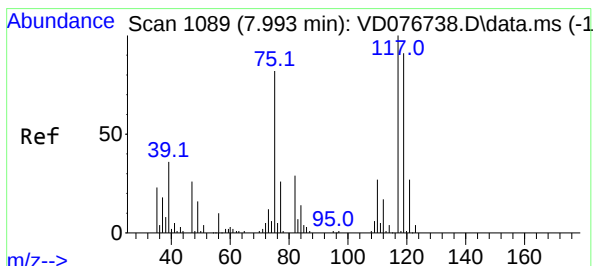
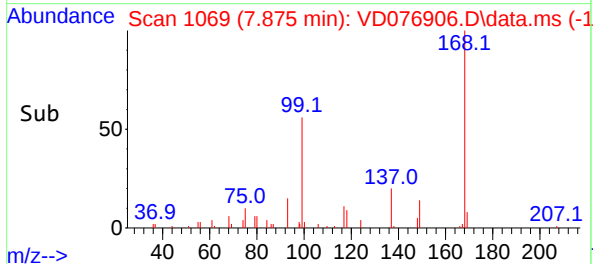
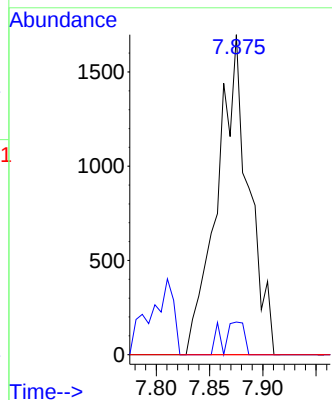
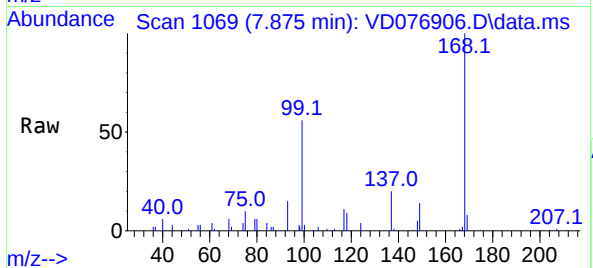
Instrument :

MSVOA_D

ClientSampleId :

COMP-1

Tgt Ion:	75	Resp:	3506
Ion	Ratio	Lower	Upper
75	100		
110	6.8	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 7.075 ug/l

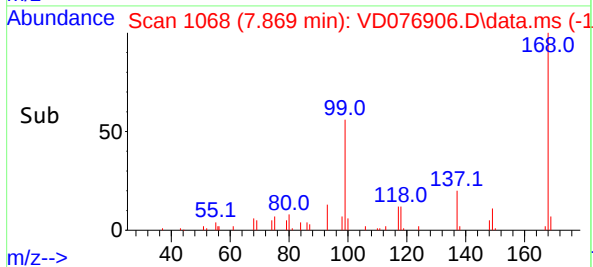
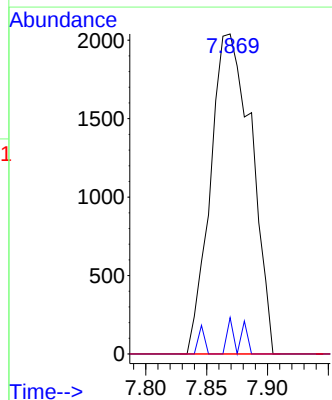
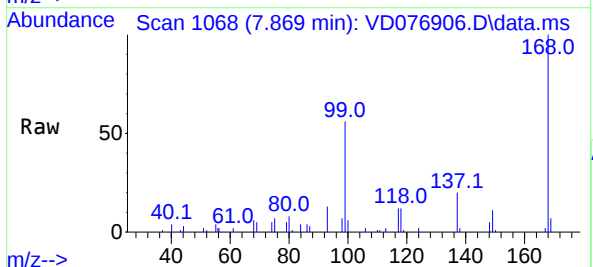
RT: 7.869 min Scan# 1068

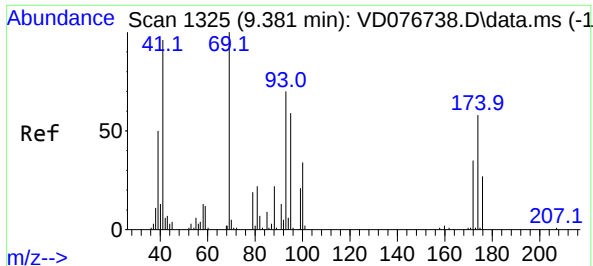
Delta R.T. -0.124 min

Lab File: VD076906.D

Acq: 02 Aug 2023 19:02

Tgt Ion:	117	Resp:	4795
Ion	Ratio	Lower	Upper
117	100		
119	11.4	78.0	117.0#
121	0.0	24.2	36.2#





#48

Methyl methacrylate

Concen: 1.750 ug/l

RT: 9.399 min Scan# 11

Delta R.T. 0.018 min

Lab File: VD076906.D

Acq: 02 Aug 2023 19:02

Instrument :

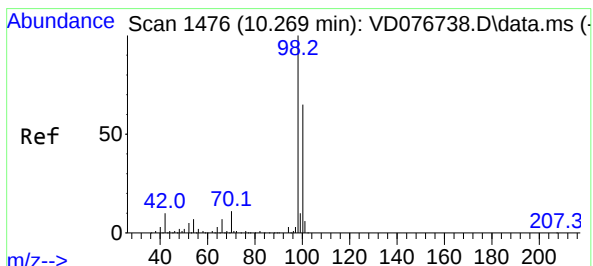
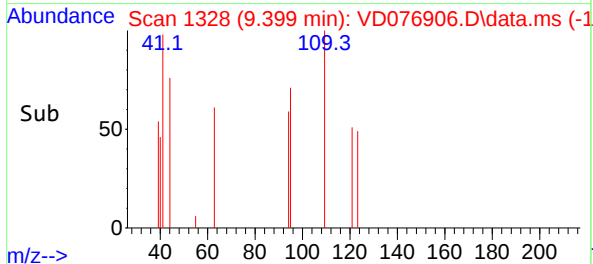
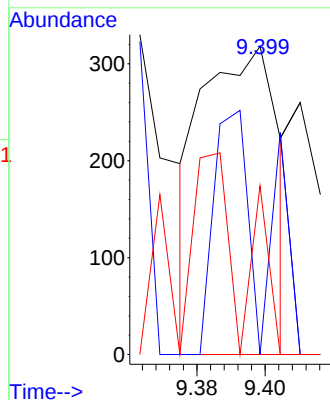
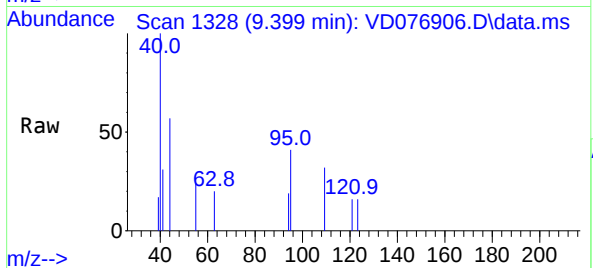
MSVOA_D

ClientSampleId :

COMP-1

Tgt Ion: 41 Resp: 492

Ion	Ratio	Lower	Upper
41	100		
69	51.6	102.2	153.2#
39	53.9	41.4	62.2



#50

Toluene-d8

Concen: 58.608 ug/l

RT: 10.269 min Scan# 1476

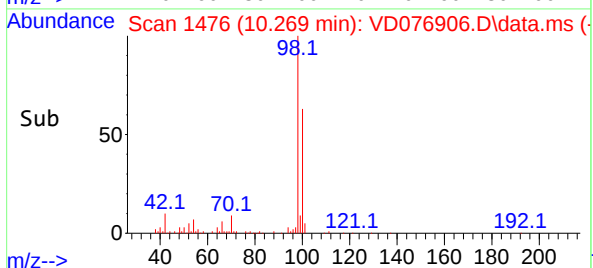
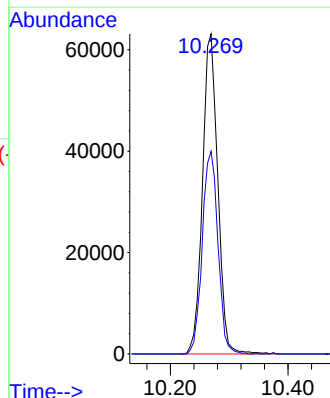
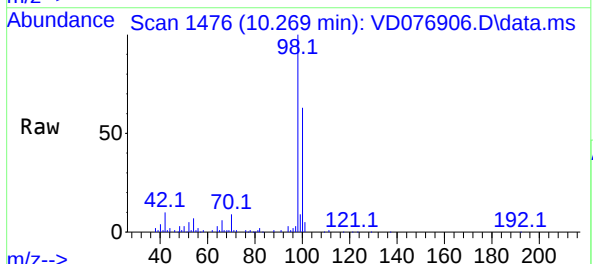
Delta R.T. 0.000 min

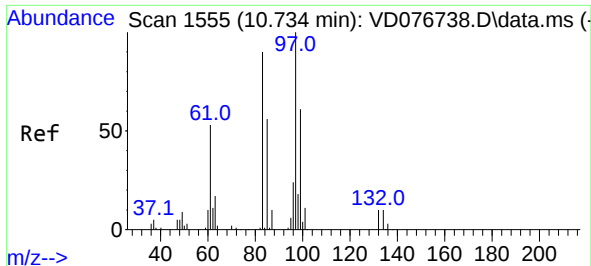
Lab File: VD076906.D

Acq: 02 Aug 2023 19:02

Tgt Ion: 98 Resp: 113559

Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.3	75.5

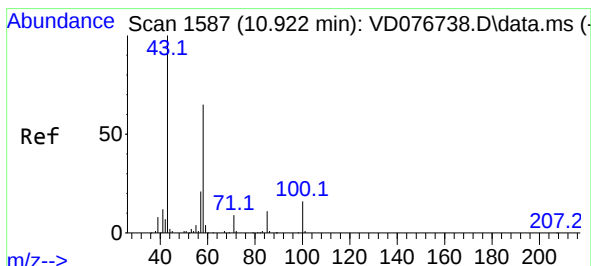
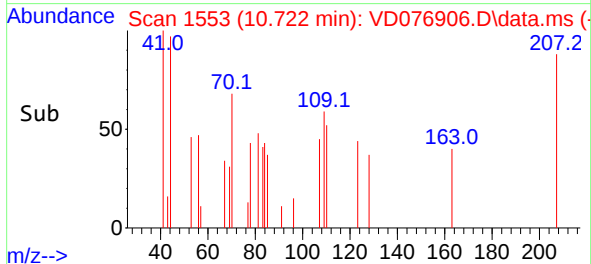
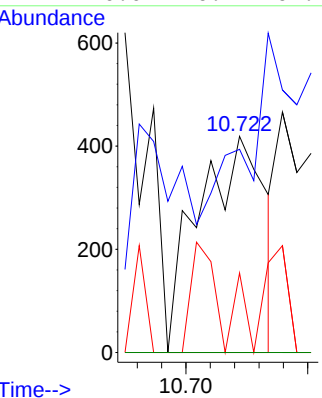
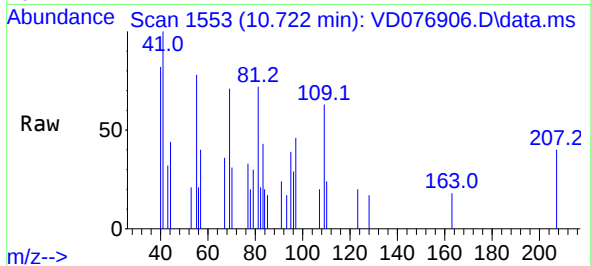




#55
1,1,2-Trichloroethane
Concen: 1.607 ug/l
RT: 10.722 min Scan# 1553
Delta R.T. -0.012 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

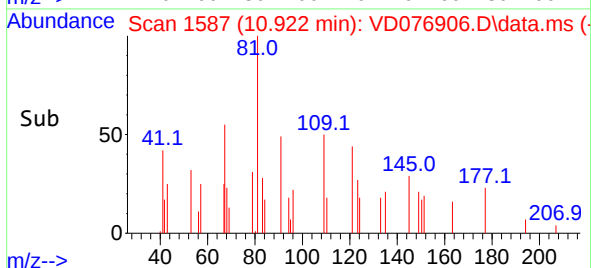
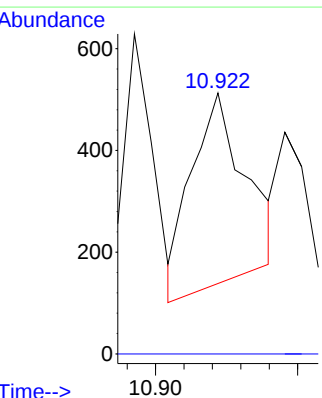
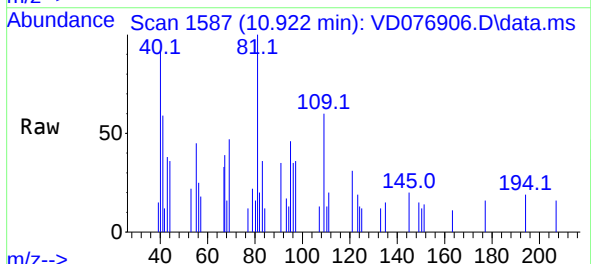
Instrument :
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COMP-1

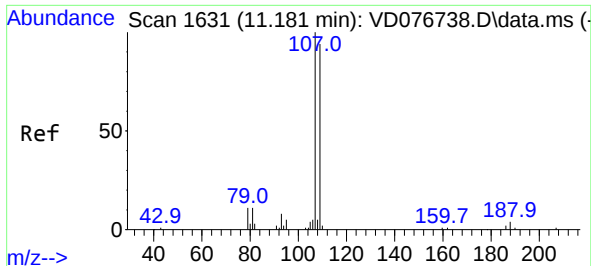
Tgt Ion: 97 Resp: 792
Ion Ratio Lower Upper
97 100
83 24.1 65.8 98.6#
85 36.8 45.7 68.5#
99 0.0 46.2 69.4#



#59
2-Hexanone
Concen: 2.135 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

Tgt Ion: 43 Resp: 501
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#





#61

1,2-Dibromoethane

Concen: 1.832 ug/l

RT: 11.181 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076906.D

Acq: 02 Aug 2023 19:02

Instrument :

MSVOA_D

ClientSampleId :

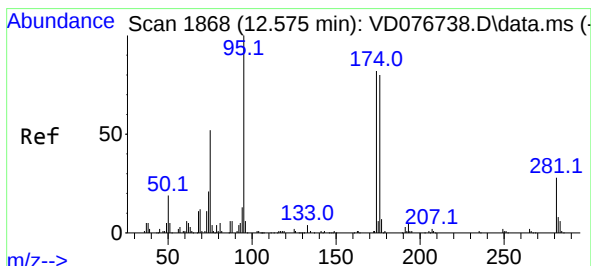
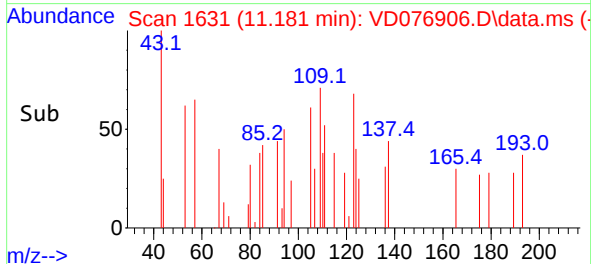
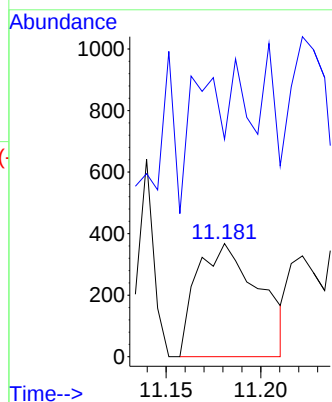
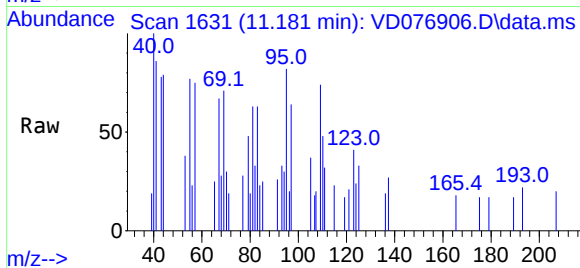
COMP-1

Tgt Ion:107 Resp: 837

Ion Ratio Lower Upper

107 100

109 64.4 75.6 113.4#



#62

4-Bromofluorobenzene

Concen: 68.584 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD076906.D

Acq: 02 Aug 2023 19:02

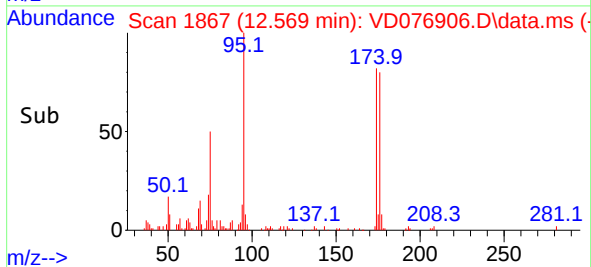
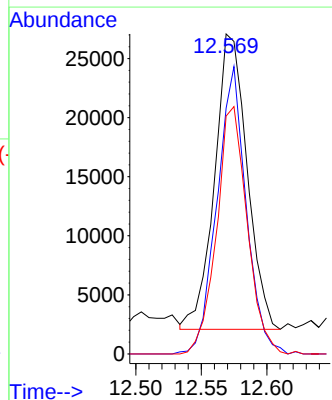
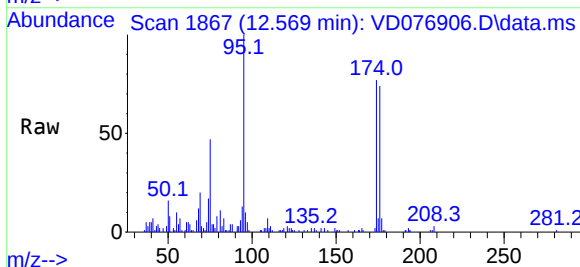
Tgt Ion: 95 Resp: 42990

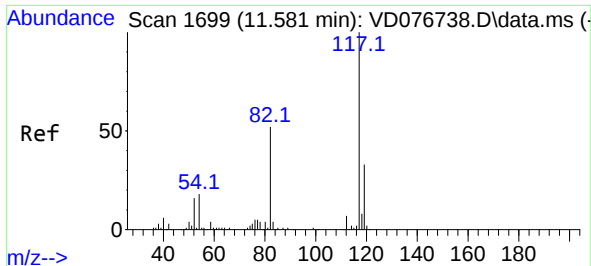
Ion Ratio Lower Upper

95 100

174 87.6 0.0 201.8

176 78.7 0.0 191.8

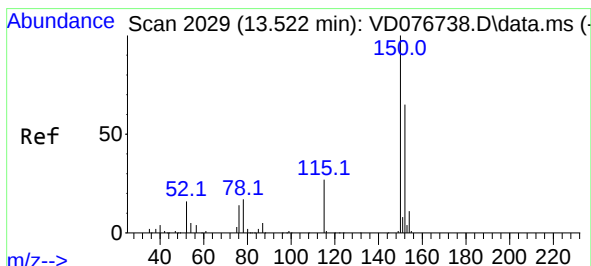
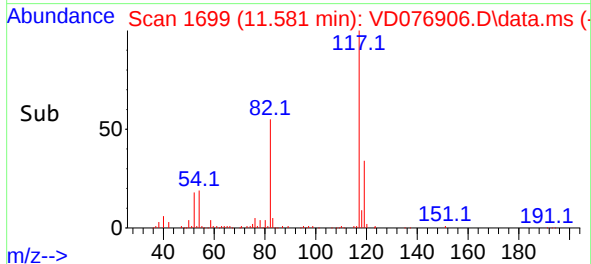
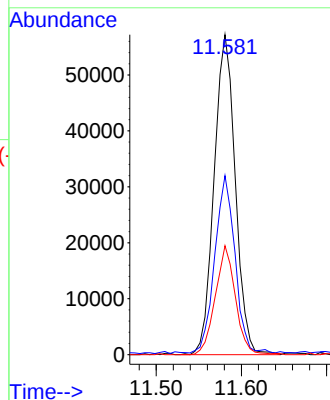
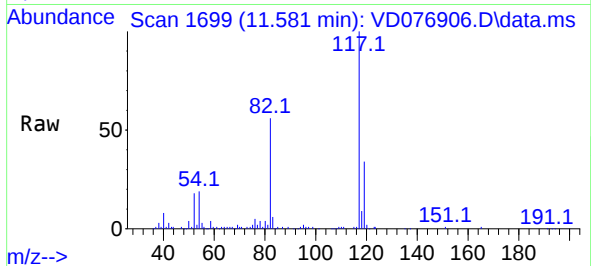




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

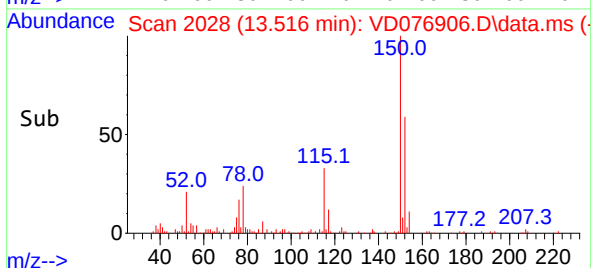
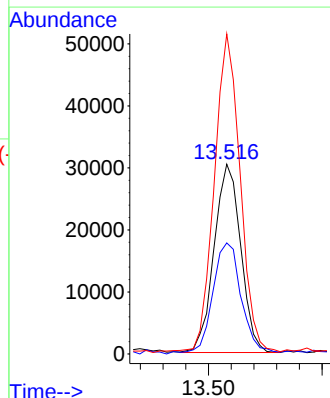
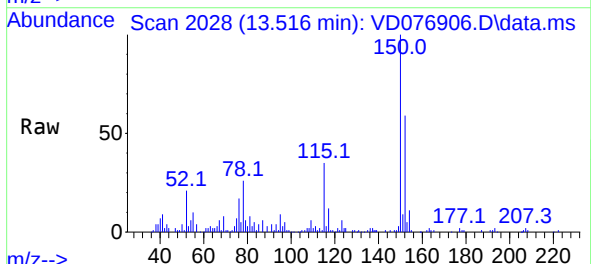
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

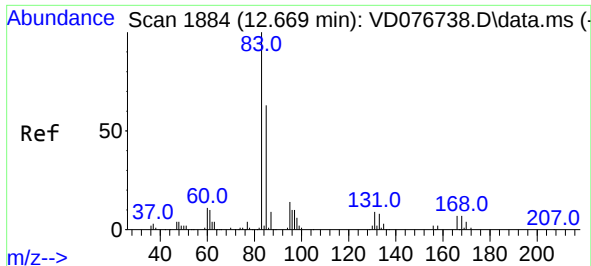
Tgt Ion:117 Resp: 98887
Ion Ratio Lower Upper
117 100
82 55.3 38.3 57.5
119 34.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

Tgt Ion:152 Resp: 49501
Ion Ratio Lower Upper
152 100
115 63.7 27.1 81.3
150 164.7 0.0 353.6

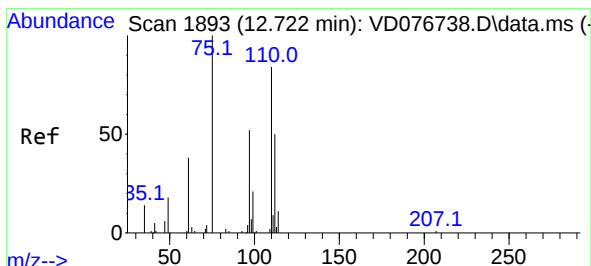
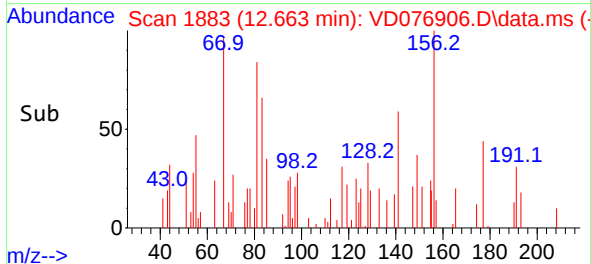
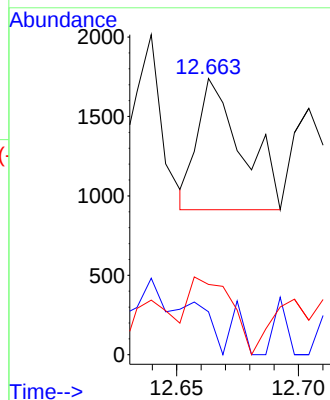
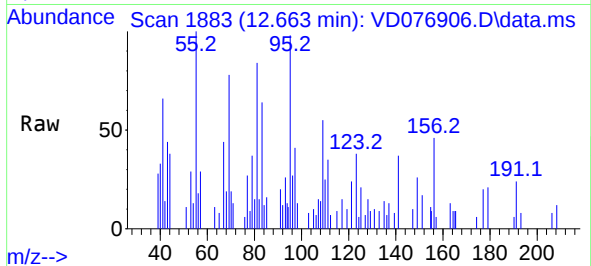




#75
1,1,2,2-Tetrachloroethane
Concen: 1.355 ug/l
RT: 12.663 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

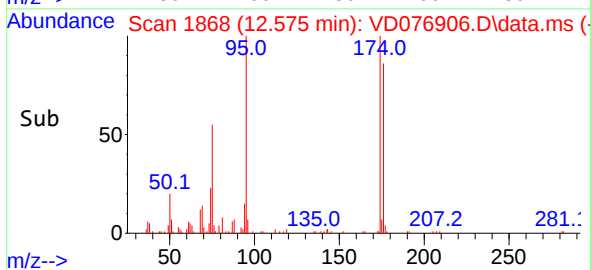
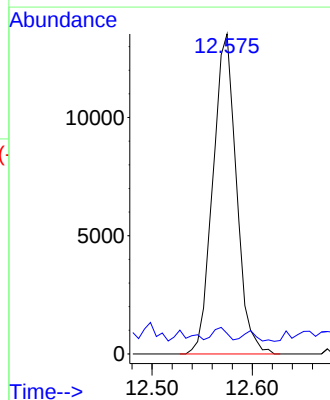
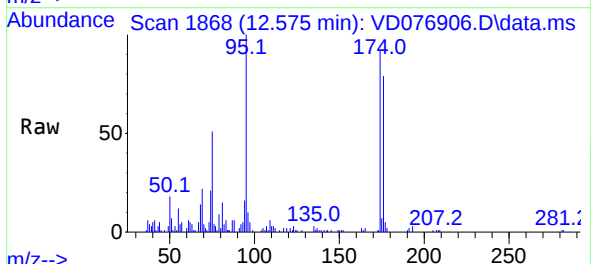
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

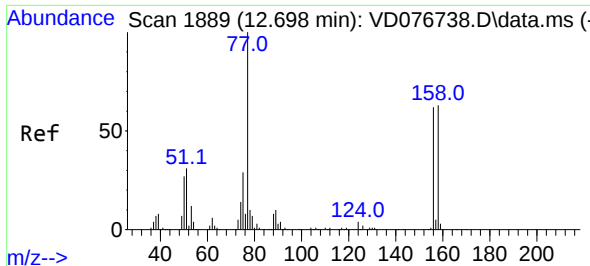
Tgt Ion: 83 Resp: 1045
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 55.6 32.6 97.8



#76
1,2,3-Trichloropropane
Concen: 46.766 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

Tgt Ion: 75 Resp: 22015
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#

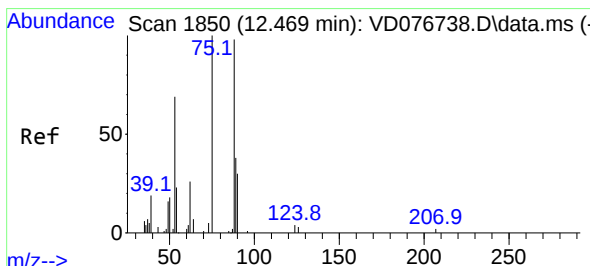
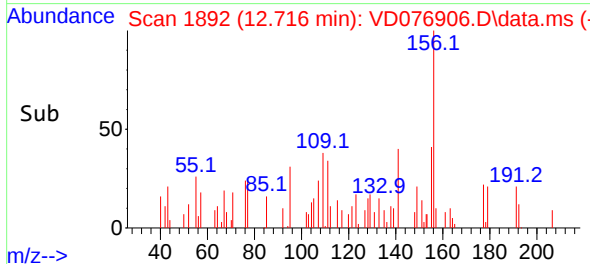
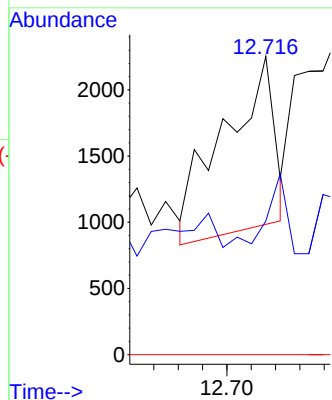
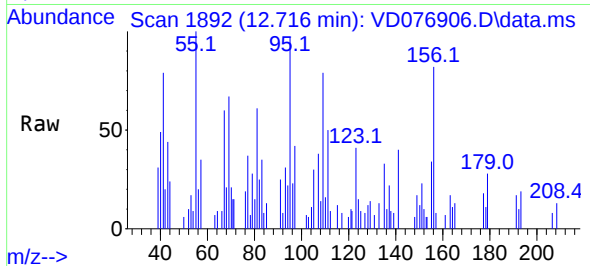




#77
Bromobenzene
Concen: 2.271 ug/l
RT: 12.716 min Scan# 1883
Delta R.T. 0.018 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

Instrument :
MSVOA_D
ClientSampleId :
COMP-1

Tgt Ion:156 Resp: 1883
Ion Ratio Lower Upper
156 100
77 25.1 76.8 230.4#
158 0.0 48.6 145.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.530 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076906.D
Acq: 02 Aug 2023 19:02

Tgt Ion: 75 Resp: 22015
Ion Ratio Lower Upper
75 100
53 1.4 63.0 94.4#
89 0.0 37.9 56.9#

