

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061623\
 Data File : VD076461.D
 Acq On : 16 Jun 2023 18:04
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 19 04:56:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

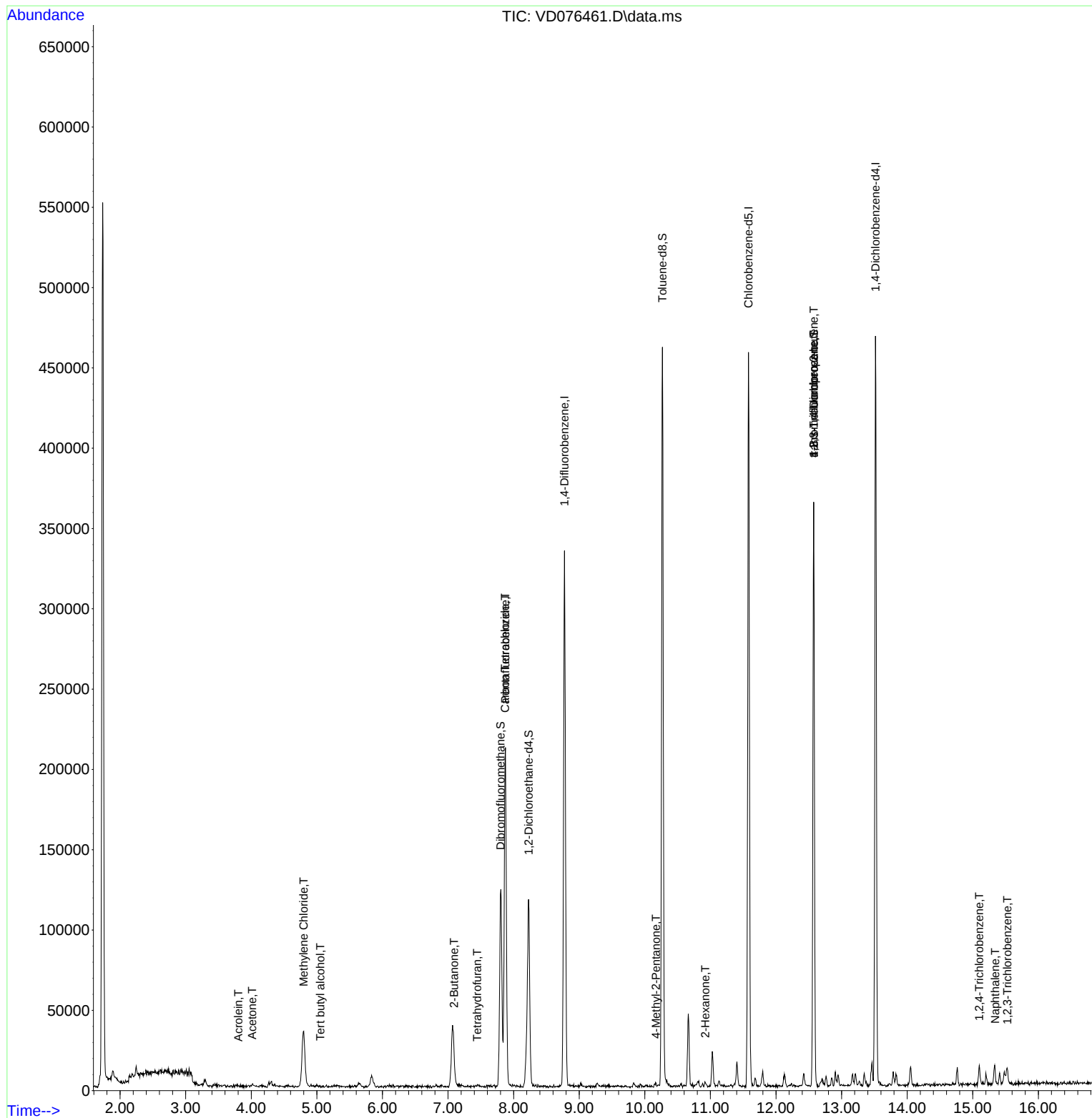
Internal Standards						
1) Pentafluorobenzene	7.875	168	165371	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	289281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	257635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	123280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	81889	49.424	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.840%
35) Dibromofluoromethane	7.799	113	87670	51.015	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.020%
50) Toluene-d8	10.269	98	314725	48.290	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.580%
62) 4-Bromofluorobenzene	12.575	95	101902	48.176	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.360%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.052	59	389	2.719	ug/l	# 73
13) Acrolein	3.805	56	220	1.428	ug/l	94
16) Acetone	4.016	43	1231	3.122	ug/l	# 32
20) Methylene Chloride	4.799	84	24370	3.859	ug/l	# 79
25) 2-Butanone	7.093	43	3630	5.953	ug/l	# 37
28) Bromochloromethane	7.428	49	61	Below Cal	#	1
29) Tetrahydrofuran	7.446	42	599	1.528	ug/l	# 29
38) Carbon Tetrachloride	7.869	117	15886	7.385	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.169	43	1673	1.240	ug/l	94
59) 2-Hexanone	10.922	43	2286	2.435	ug/l	60
76) 1,2,3-Trichloropropane	12.575	75	55957	45.734	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	55957	100.214	ug/l	# 17
93) 1,2,4-Trichlorobenzene	15.098	180	3929	1.677	ug/l	91
95) Naphthalene	15.339	128	10198	2.177	ug/l	# 90
96) 1,2,3-Trichlorobenzene	15.528	180	4250	2.082	ug/l	92

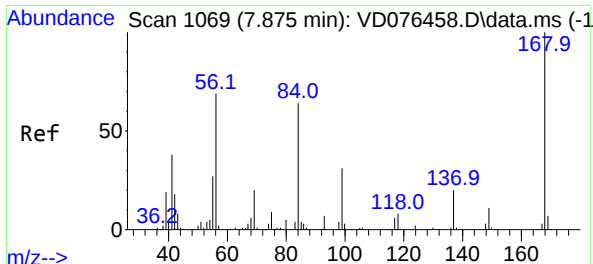
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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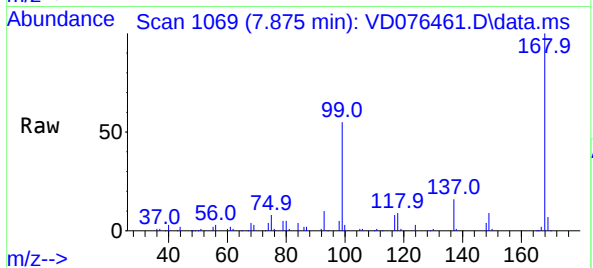
Quant Time: Jun 19 04:56:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



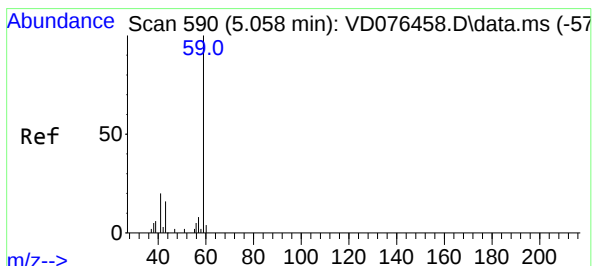
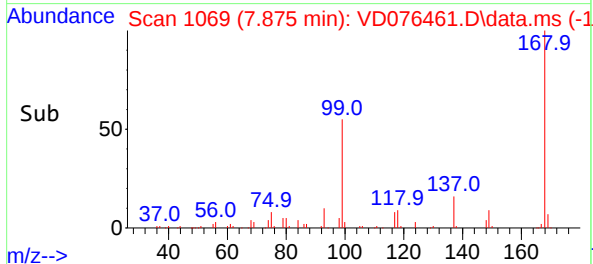
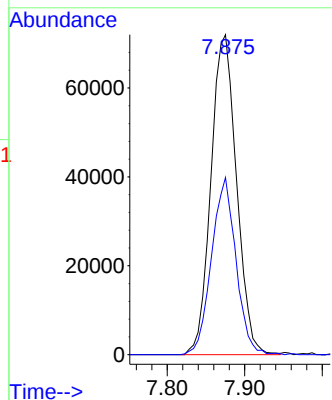


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

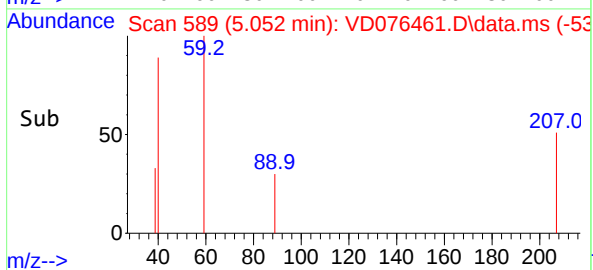
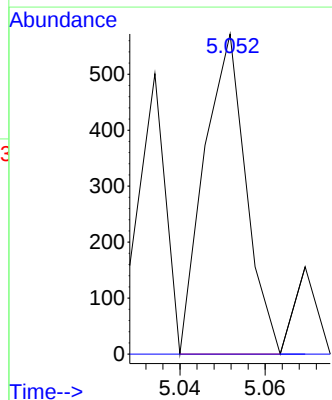
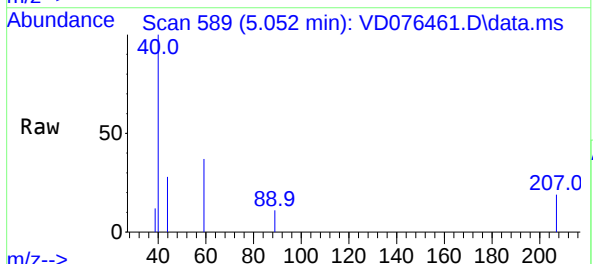


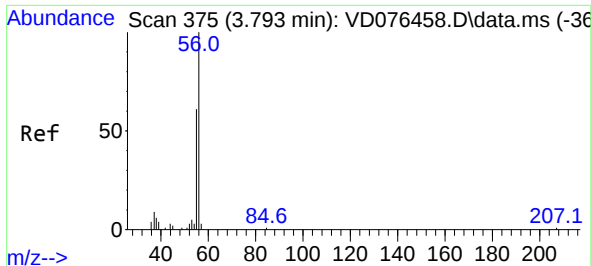
Tgt Ion:168 Resp: 165371
Ion Ratio Lower Upper
168 100
99 55.3 36.7 55.1#



#11
Tert butyl alcohol
Concen: 2.719 ug/l
RT: 5.052 min Scan# 589
Delta R.T. -0.006 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

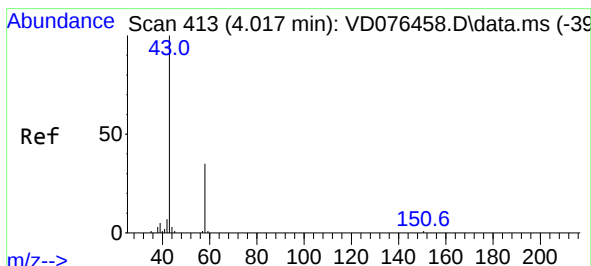
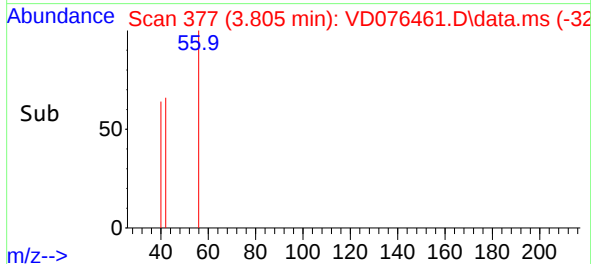
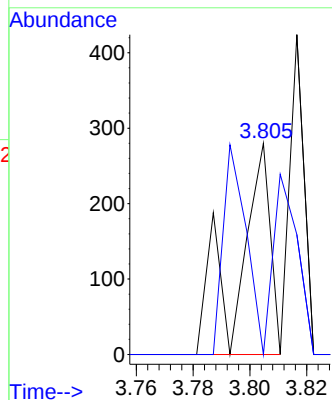
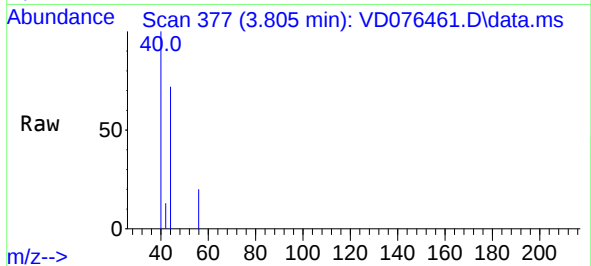




#13
Acrolein
Concen: 1.428 ug/l
RT: 3.805 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

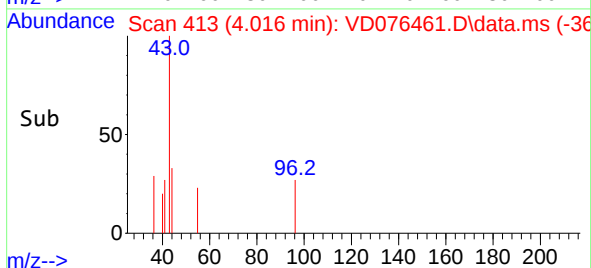
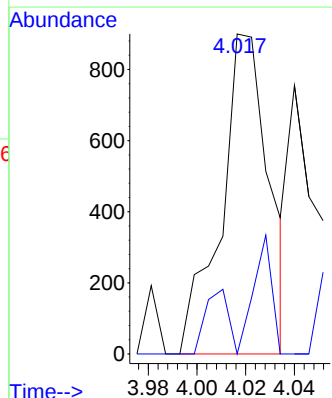
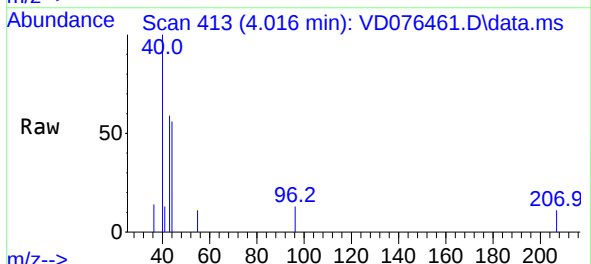
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

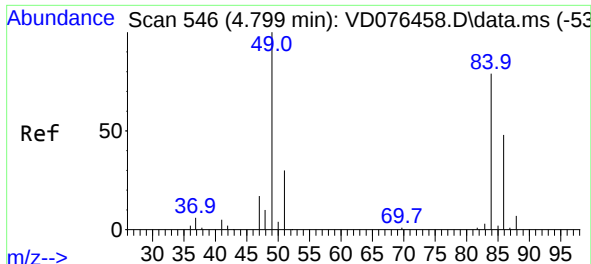
Tgt Ion: 56 Resp: 220
Ion Ratio Lower Upper
56 100
55 63.6 55.1 82.7



#16
Acetone
Concen: 3.122 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



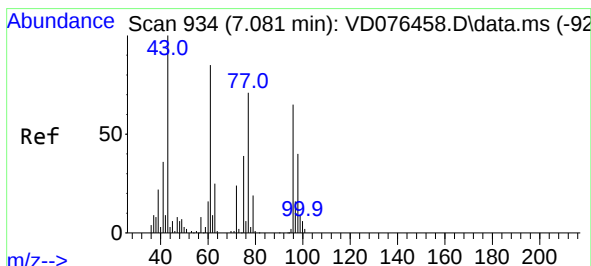
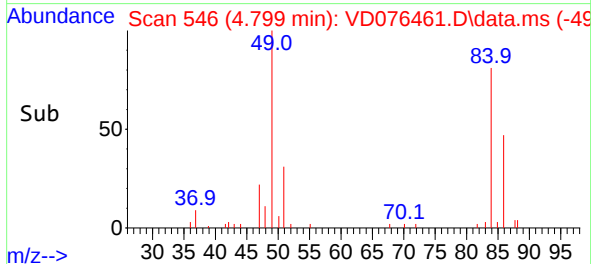
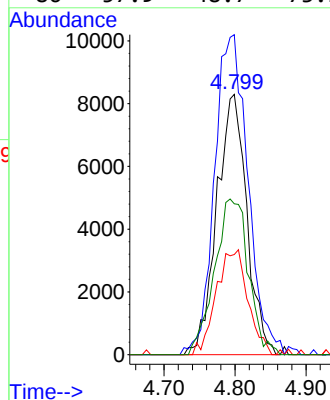
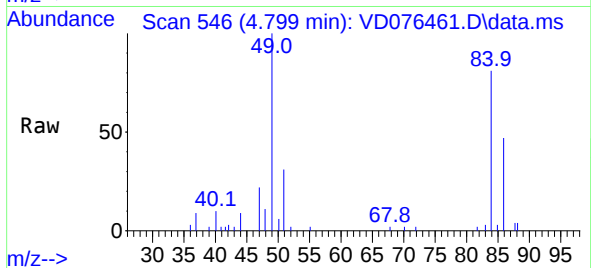


#20
Methylene Chloride
Concen: 3.859 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 24370

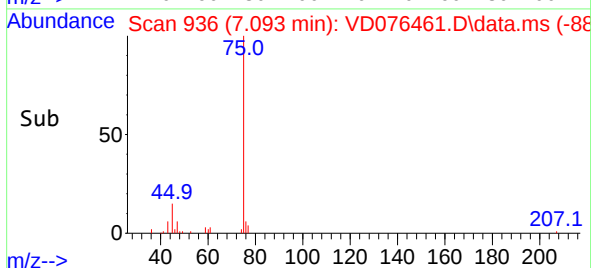
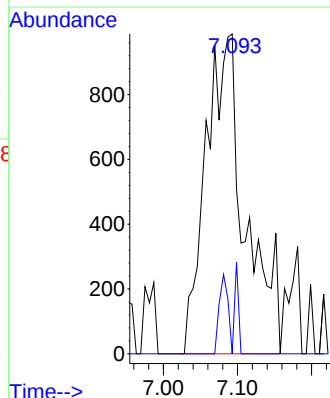
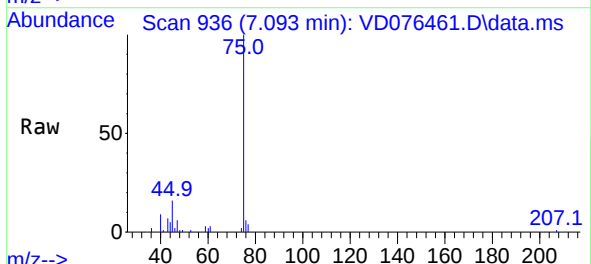
Ion	Ratio	Lower	Upper
84	100		
49	122.9	71.4	107.2#
51	38.5	24.5	36.7#
86	57.9	48.7	73.1

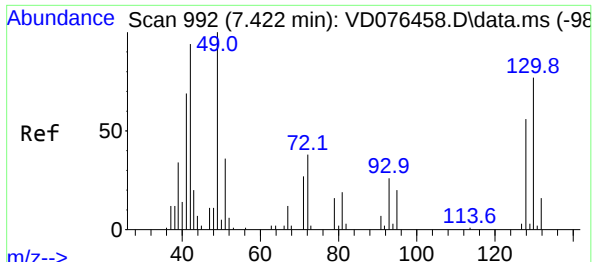


#25
2-Butanone
Concen: 5.953 ug/l
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion: 43 Resp: 3630

Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

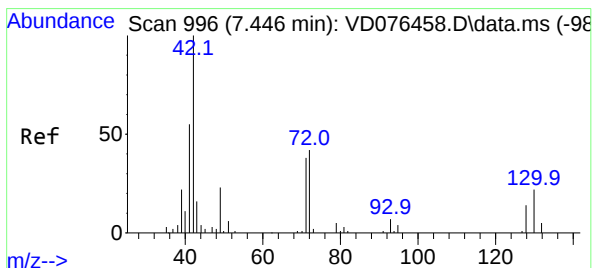
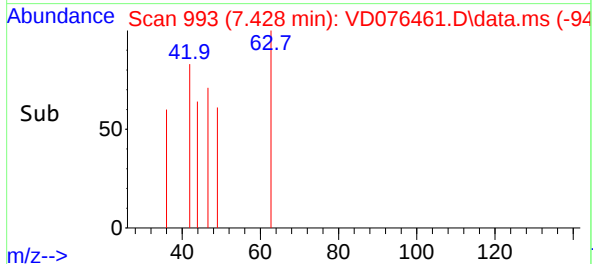
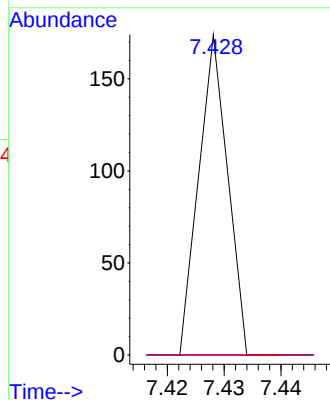
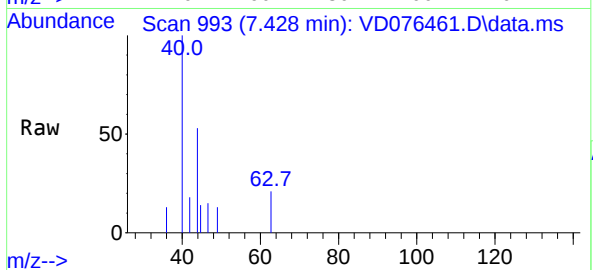




#28
Bromochloromethane
Concen: Below Cal
RT: 7.428 min Scan# 992
Delta R.T. 0.006 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

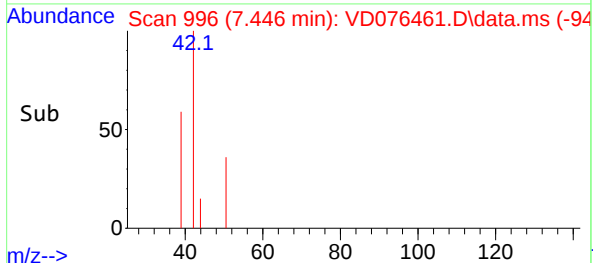
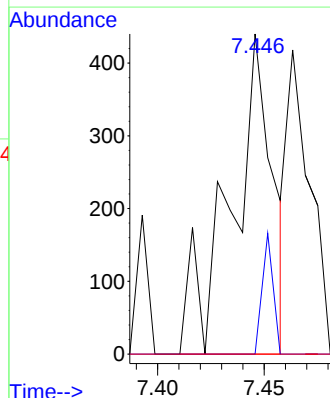
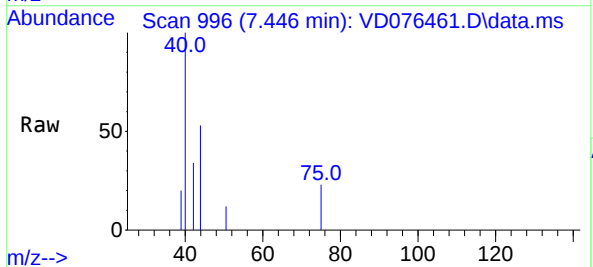
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

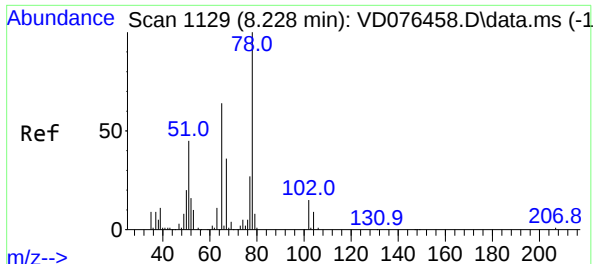
Tgt Ion: 49 Resp: 61
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#29
Tetrahydrofuran
Concen: 1.528 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion: 42 Resp: 599
Ion Ratio Lower Upper
42 100
72 9.8 46.5 69.7#
71 0.0 44.5 66.7#

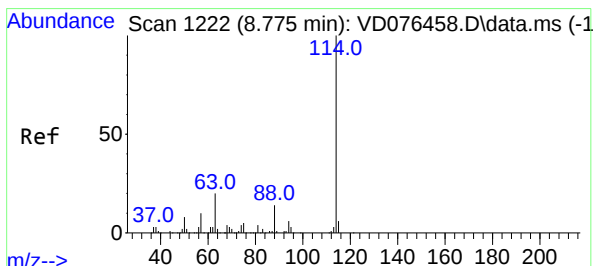
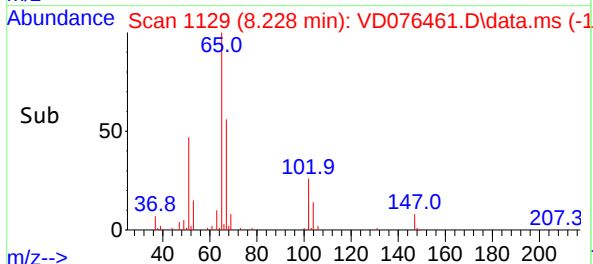
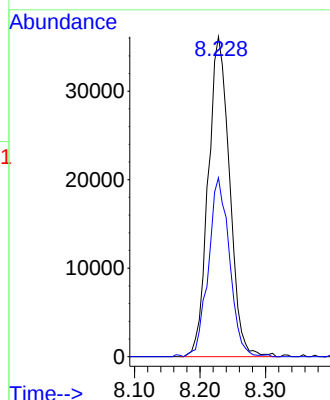
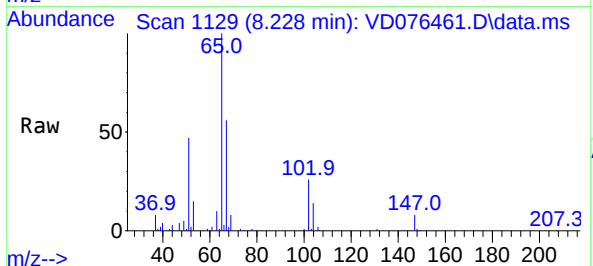




#33
1,2-Dichloroethane-d4
Concen: 49.424 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

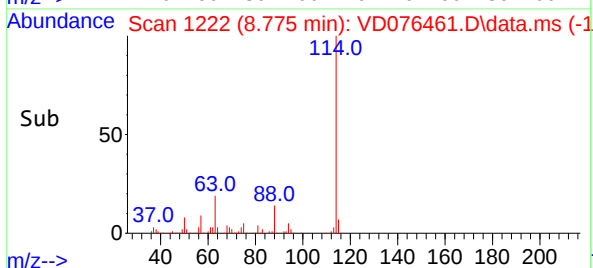
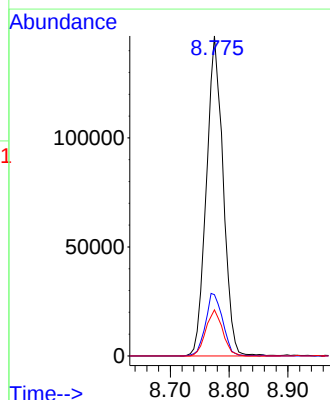
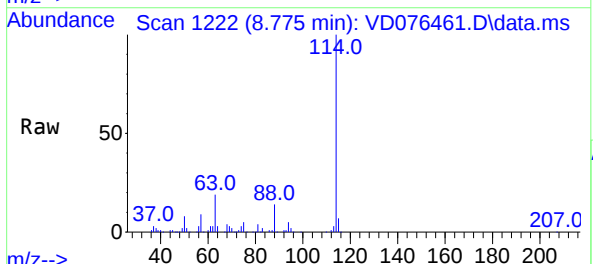
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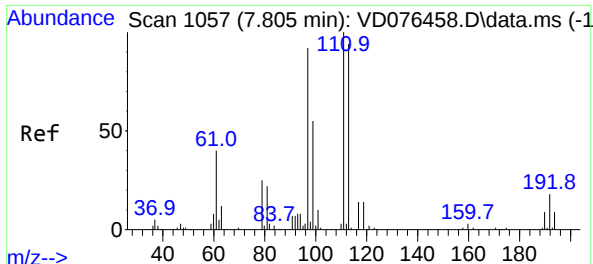
Tgt Ion: 65 Resp: 81889
Ion Ratio Lower Upper
65 100
67 55.3 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion:114 Resp: 289281
Ion Ratio Lower Upper
114 100
63 19.1 0.0 33.4
88 14.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 51.015 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076461.D

Acq: 16 Jun 2023 18:04

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

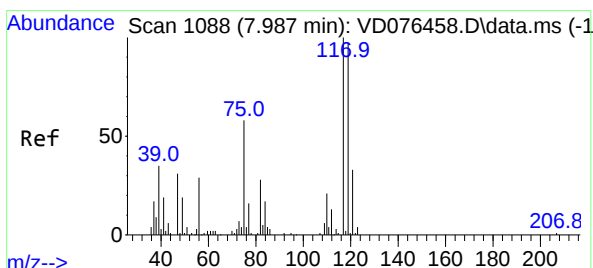
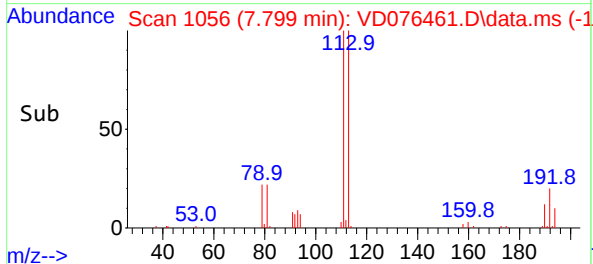
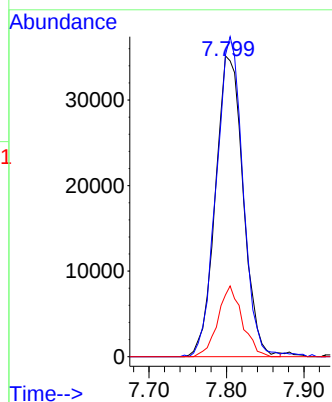
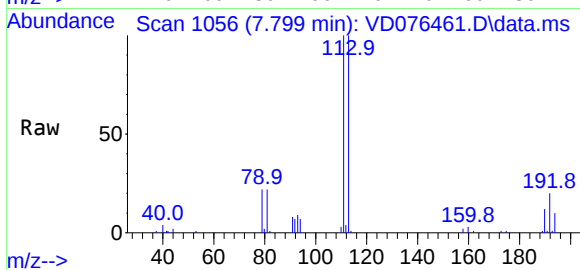
Tgt Ion:113 Resp: 87670

Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 20.6 16.8 25.2



#38

Carbon Tetrachloride

Concen: 7.385 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076461.D

Acq: 16 Jun 2023 18:04

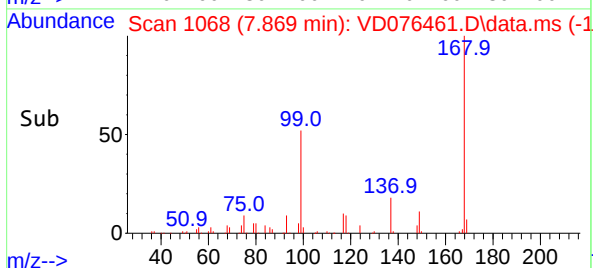
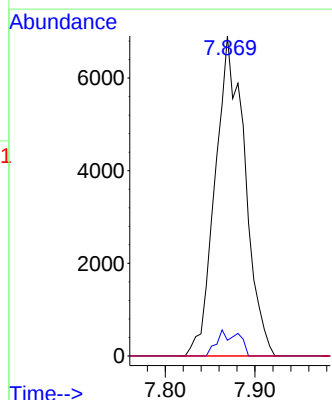
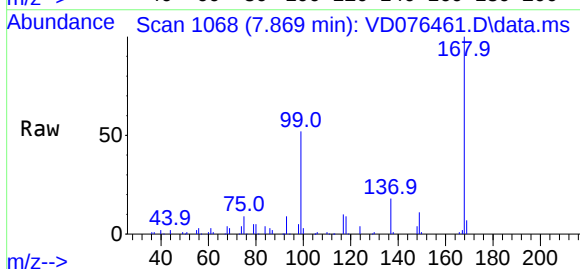
Tgt Ion:117 Resp: 15886

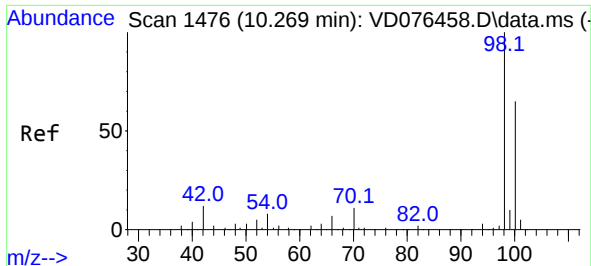
Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.2 36.2#

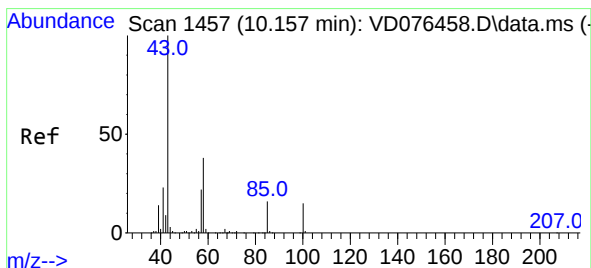
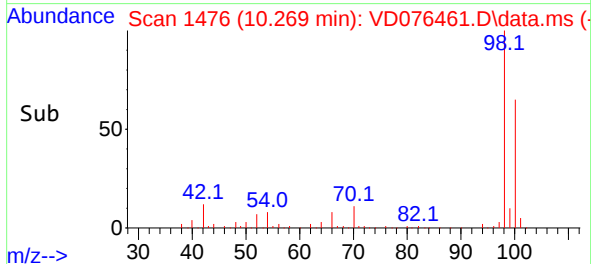
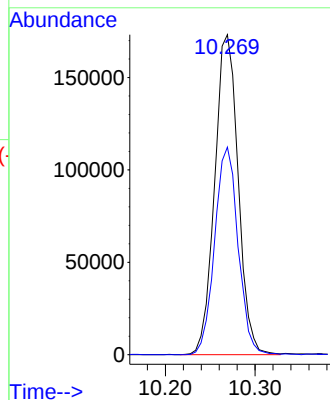
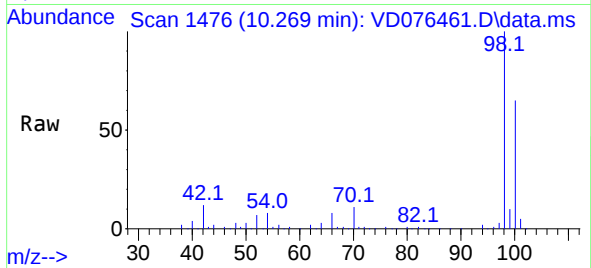




#50
Toluene-d8
Concen: 48.290 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

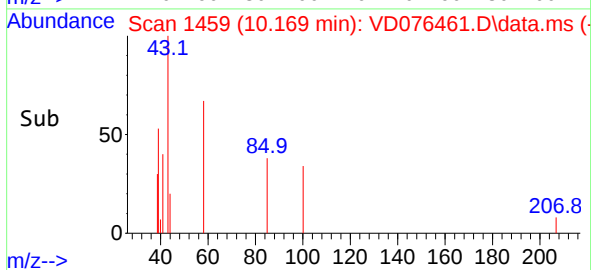
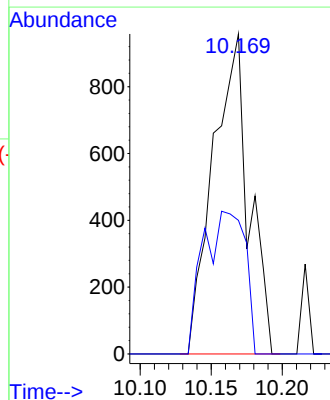
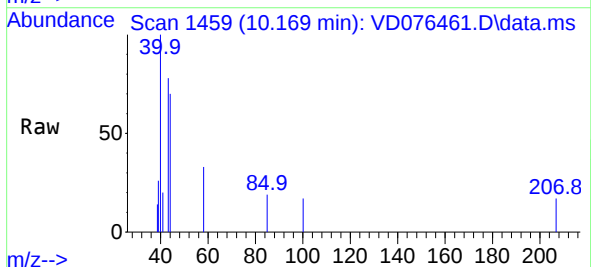
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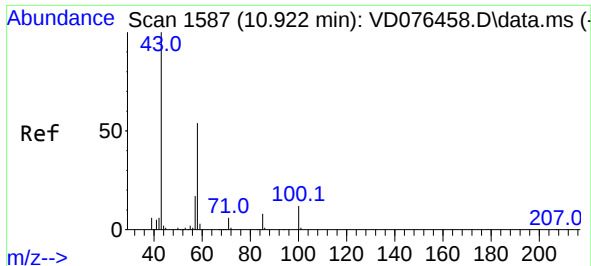
Tgt Ion: 98 Resp: 314725
Ion Ratio Lower Upper
98 100
100 64.7 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.240 ug/l
RT: 10.169 min Scan# 1459
Delta R.T. 0.012 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion: 43 Resp: 1673
Ion Ratio Lower Upper
43 100
58 52.4 38.9 58.3

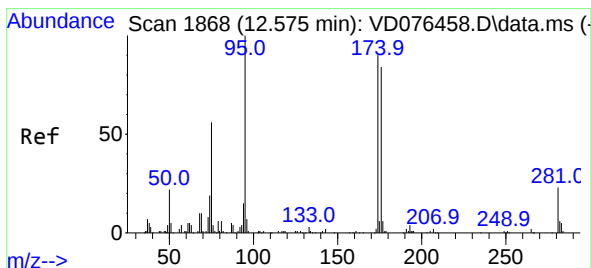
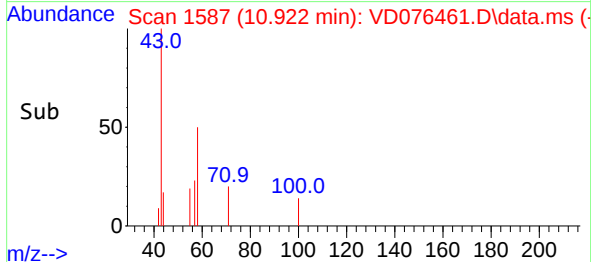
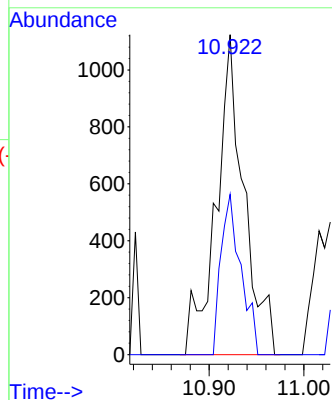
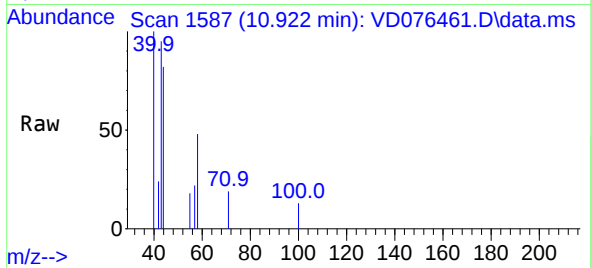




#59
2-Hexanone
Concen: 2.435 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

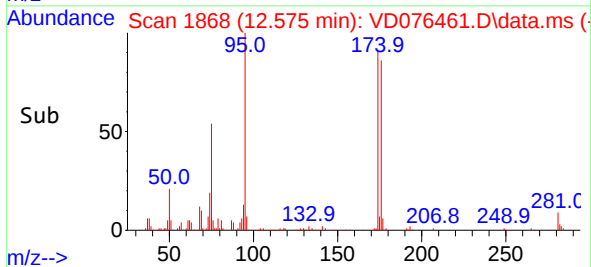
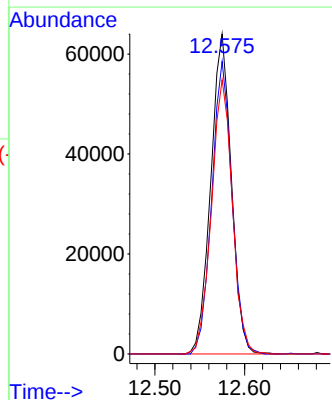
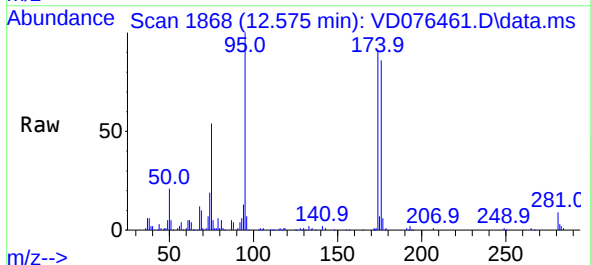
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

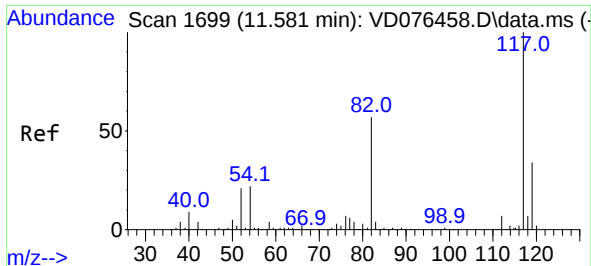
Tgt Ion: 43 Resp: 2286
Ion Ratio Lower Upper
43 100
58 36.0 34.1 102.2



#62
4-Bromofluorobenzene
Concen: 48.176 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion: 95 Resp: 101902
Ion Ratio Lower Upper
95 100
174 89.6 0.0 201.8
176 86.8 0.0 191.8

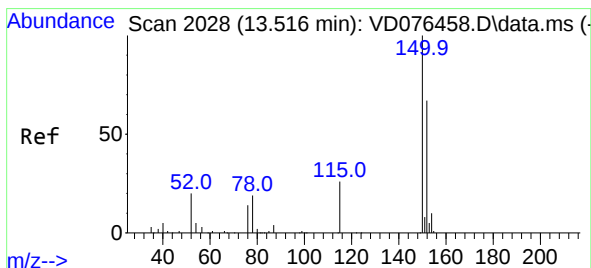
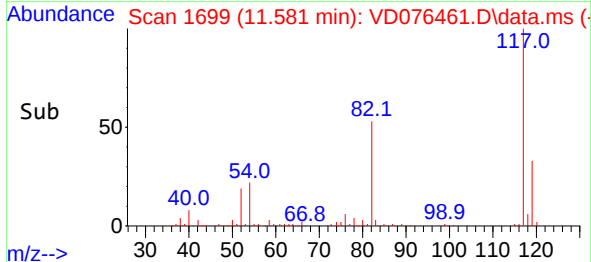
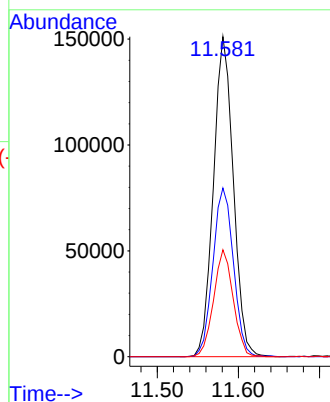
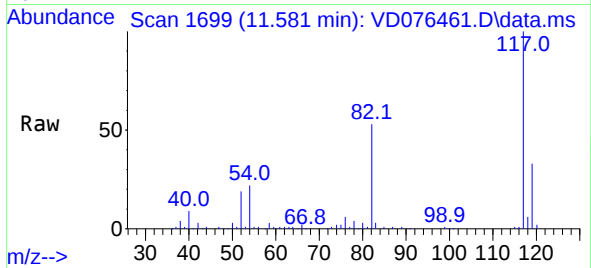




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

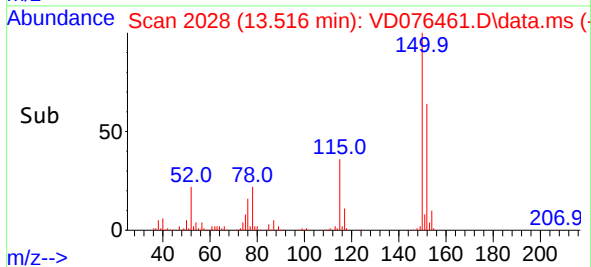
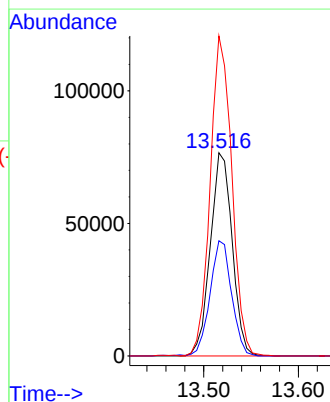
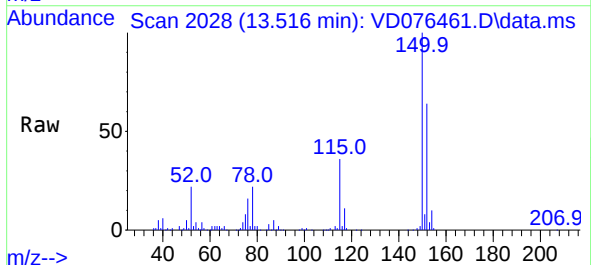
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

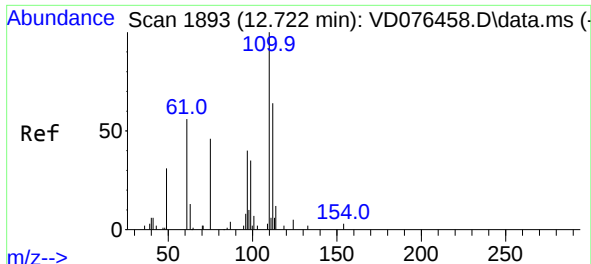
Tgt Ion:117 Resp: 257635
Ion Ratio Lower Upper
117 100
82 52.7 38.3 57.5
119 33.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion:152 Resp: 123280
Ion Ratio Lower Upper
152 100
115 56.2 27.1 81.3
150 155.9 0.0 353.6

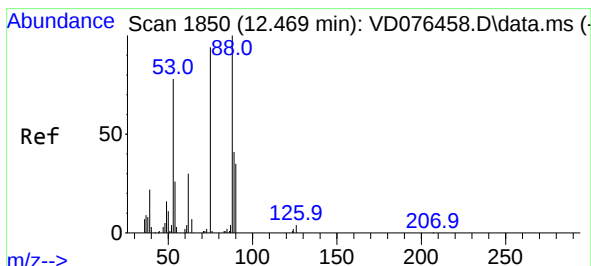
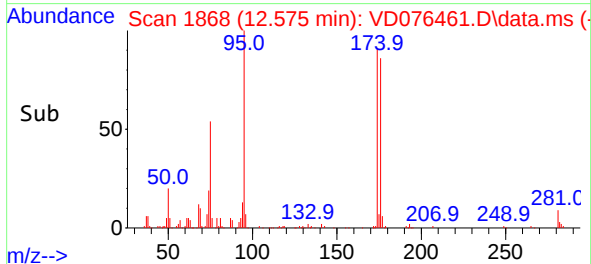
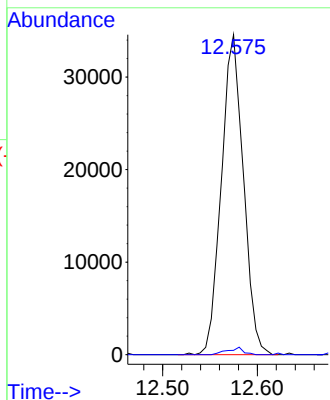
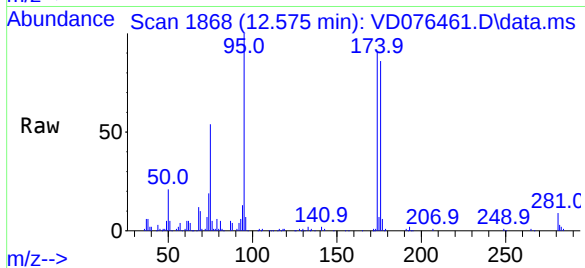




#76
1,2,3-Trichloropropane
Concen: 45.734 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

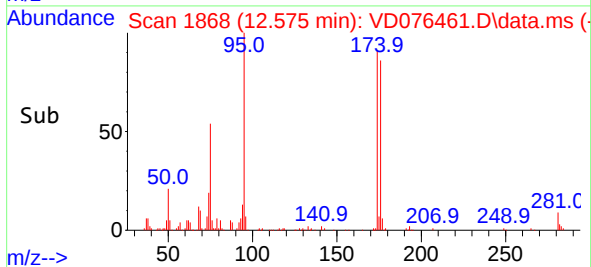
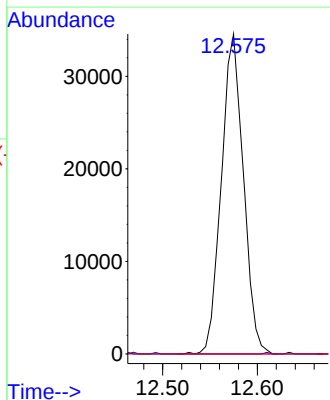
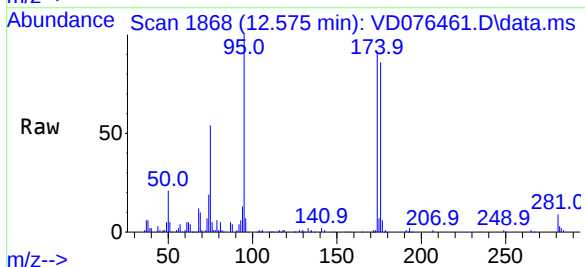
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

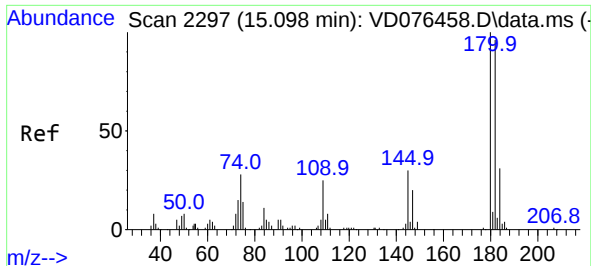
Tgt Ion: 75 Resp: 55957
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.214 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion: 75 Resp: 55957
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

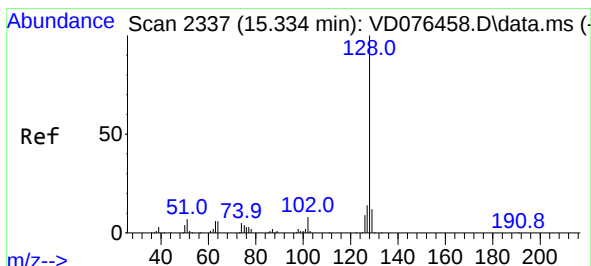
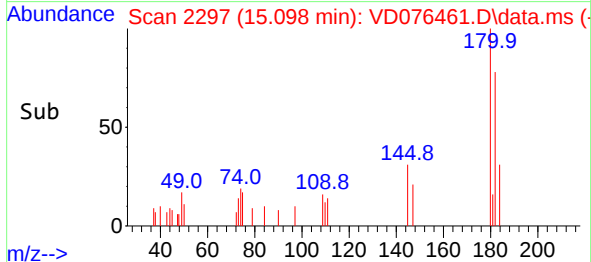
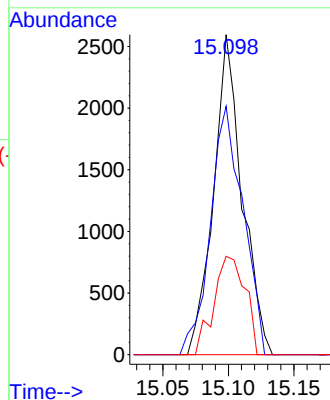
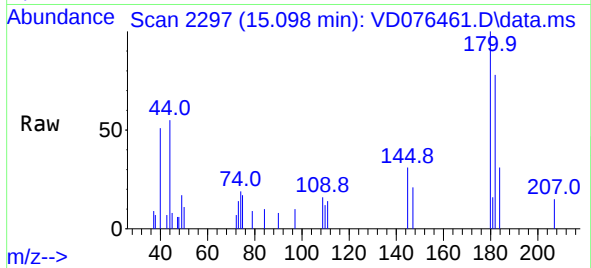




#93
1,2,4-Trichlorobenzene
Concen: 1.677 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

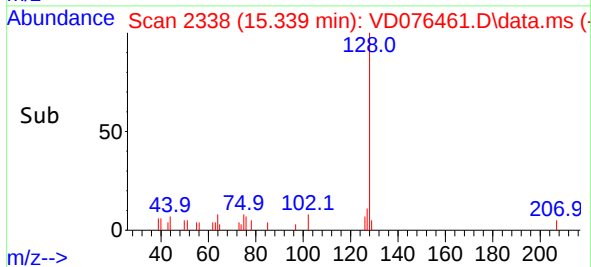
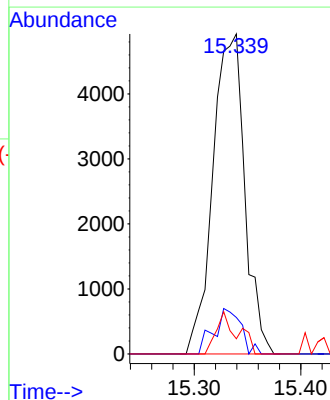
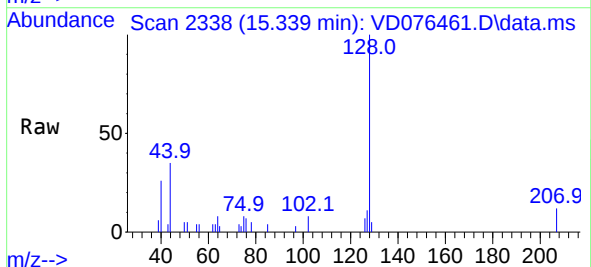
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

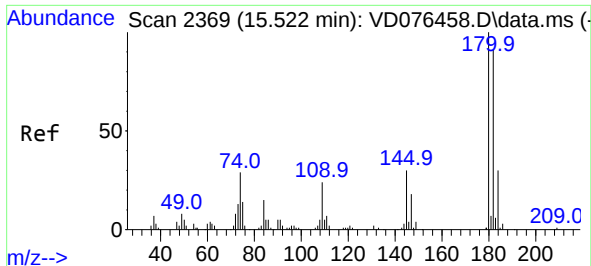
Tgt Ion:	180	Resp:	3929
Ion	Ratio	Lower	Upper
180	100		
182	89.1	48.5	145.6
145	33.7	14.2	42.6



#95
Naphthalene
Concen: 2.177 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD076461.D
Acq: 16 Jun 2023 18:04

Tgt Ion:	128	Resp:	10198
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.5	15.7
129	4.8	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.082 ug/l

RT: 15.528 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD076461.D

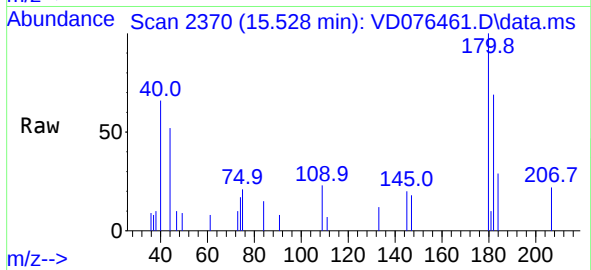
Acq: 16 Jun 2023 18:04

Instrument :

MSVOA_D

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 4250

Ion Ratio Lower Upper

180 100

182 84.7 47.3 141.9

145 28.5 15.1 45.3

