

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060123\
 Data File : VD076308.D
 Acq On : 01 Jun 2023 20:43
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 02 05:54:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 05:50:45 2023
 Response via : Initial Calibration

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

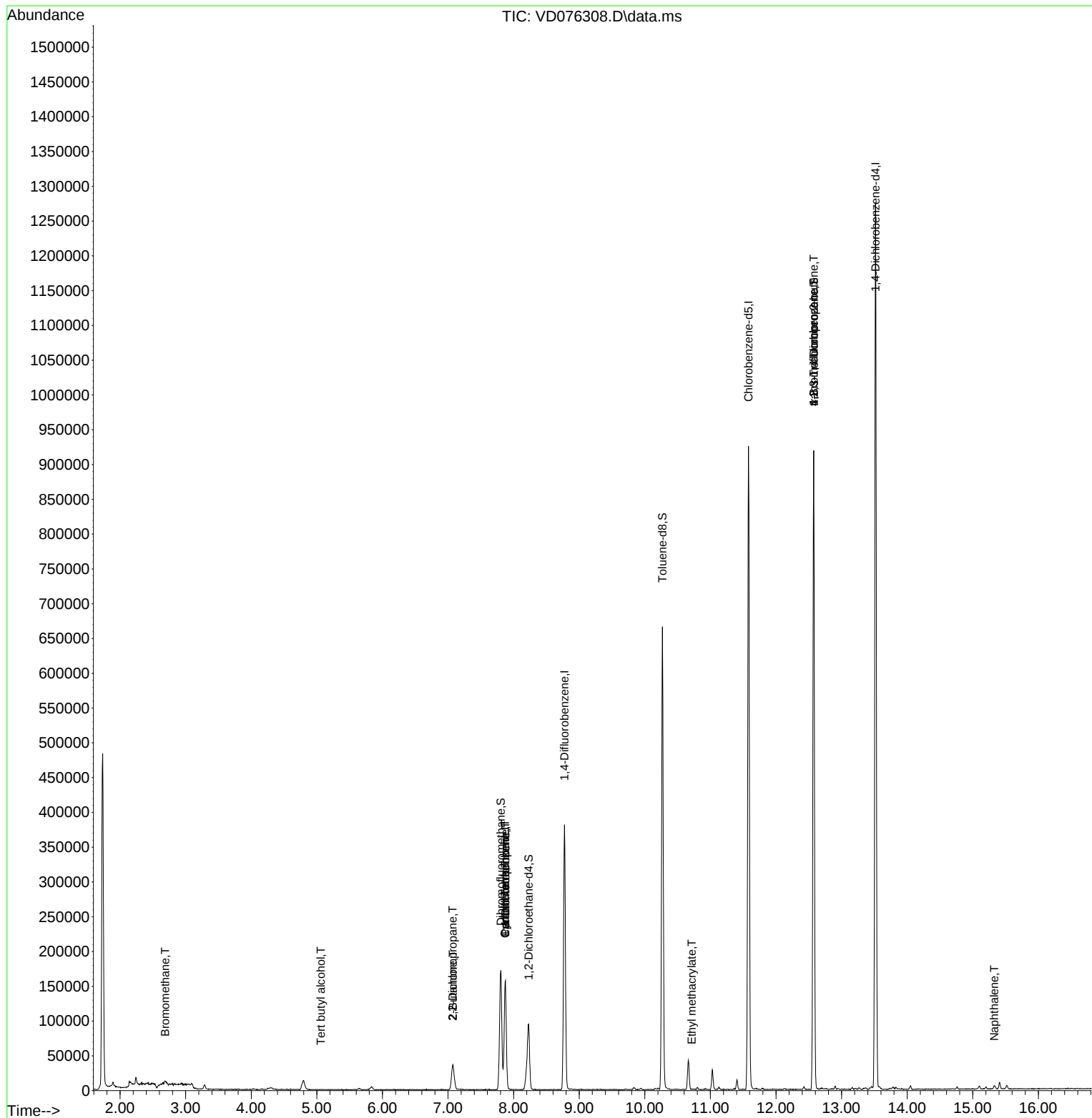
Internal Standards						
1) Pentafluorobenzene	7.875	168	131179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	368156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	590389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	367675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	68485	53.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 107.140%		
35) Dibromofluoromethane	7.805	113	127135	52.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 104.620%		
50) Toluene-d8	10.269	98	481744	51.413	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 102.820%		
62) 4-Bromofluorobenzene	12.575	95	276104	105.645	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 211.300%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	2158	Below Cal	#	86
5) Bromomethane	2.687	94	3145	1.817	ug/l #	72
6) Chloroethane	2.817	64	163	Below Cal	#	43
11) Tert butyl alcohol	5.058	59	125	1.536	ug/l #	73
13) Acrolein	3.805	56	62	Below Cal	#	1
16) Acetone	4.023	43	851	Below Cal	#	84
20) Methylene Chloride	4.799	84	11070	Below Cal	#	89
25) 2-Butanone	7.075	43	2085	6.250	ug/l #	37
26) 2,2-Dichloropropane	7.069	77	2492	1.171	ug/l #	49
31) Cyclohexane	7.869	56	2398	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	9742	2.899	ug/l #	44
38) Carbon Tetrachloride	7.869	117	11586	4.003	ug/l #	19
56) Ethyl methacrylate	10.716	69	62	2.754	ug/l #	48
76) 1,2,3-Trichloropropane	12.575	75	136696	41.326	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	136696	94.799	ug/l #	17
95) Naphthalene	15.328	128	6303	4.146	ug/l #	79

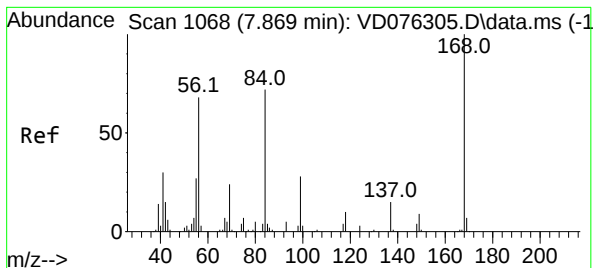
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 02 05:50:45 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD076308.D

Acq: 01 Jun 2023 20:43

Instrument :

MSVOA_D

ClientSampleId :

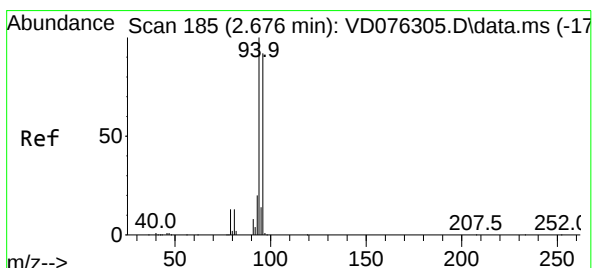
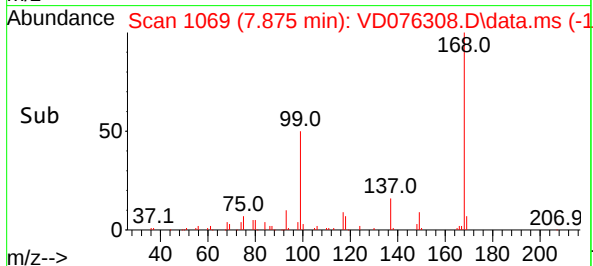
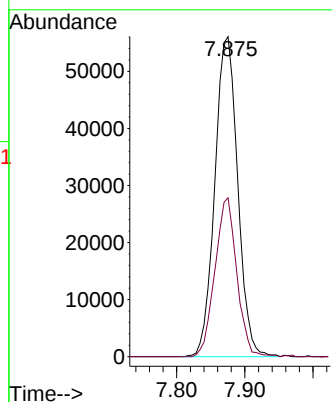
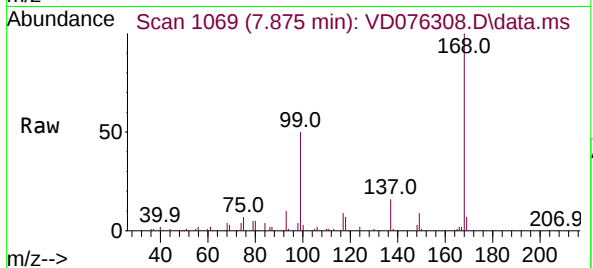
VIBLK

Tgt Ion:168 Resp: 131179

Ion Ratio Lower Upper

168 100

99 49.6 36.7 55.1



#5

Bromomethane

Concen: 1.817 ug/l

RT: 2.687 min Scan# 187

Delta R.T. 0.011 min

Lab File: VD076308.D

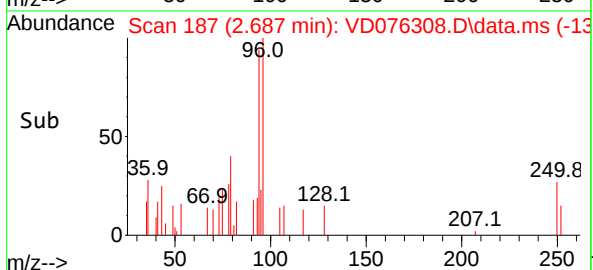
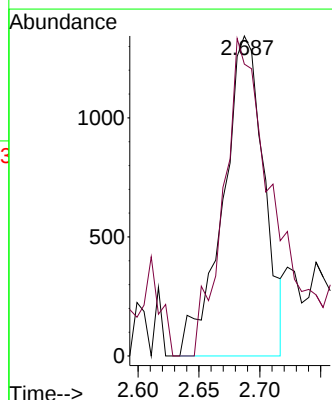
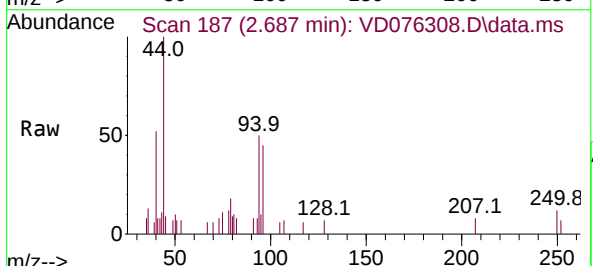
Acq: 01 Jun 2023 20:43

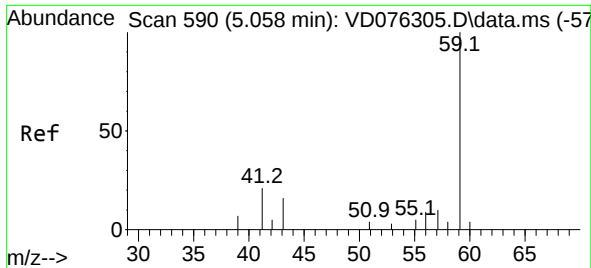
Tgt Ion: 94 Resp: 3145

Ion Ratio Lower Upper

94 100

96 121.9 75.8 113.8#

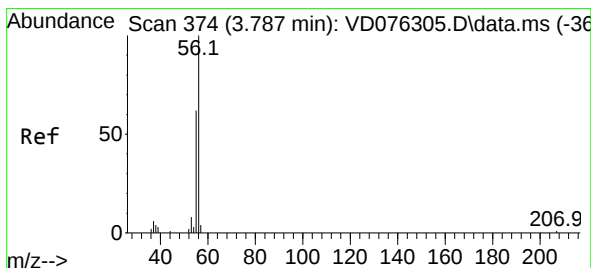
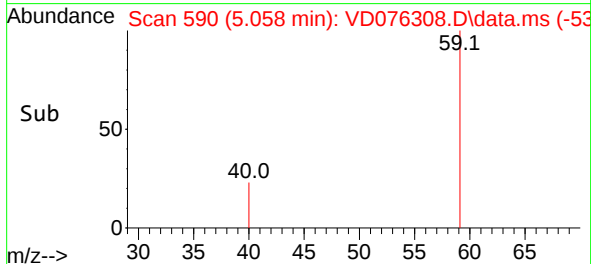
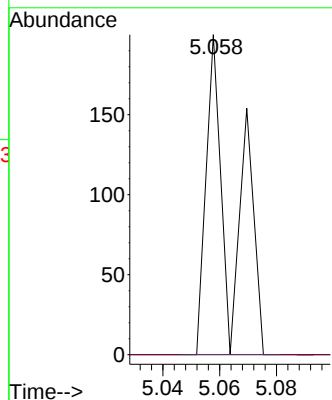
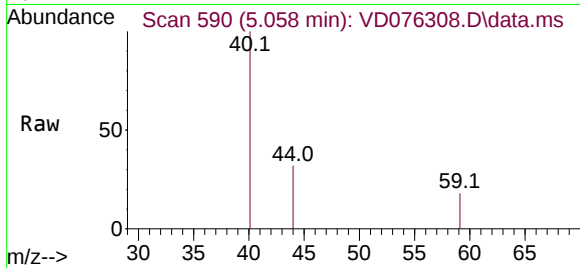




#11
Tert butyl alcohol
Concen: 1.536 ug/l
RT: 5.058 min Scan# 591
Delta R.T. 0.000 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

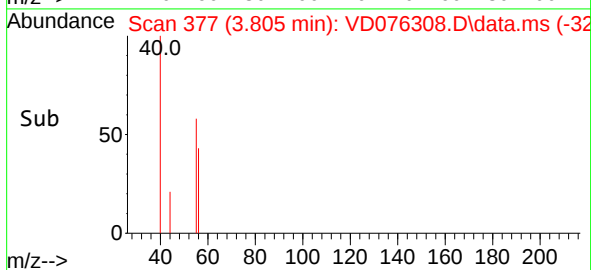
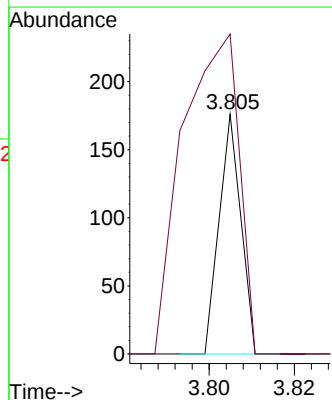
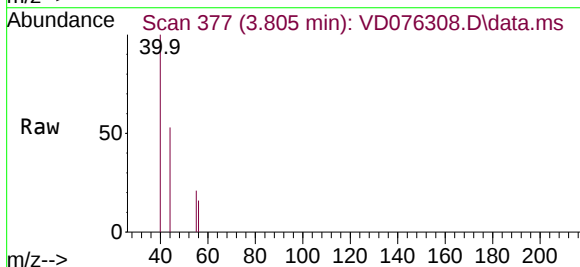
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

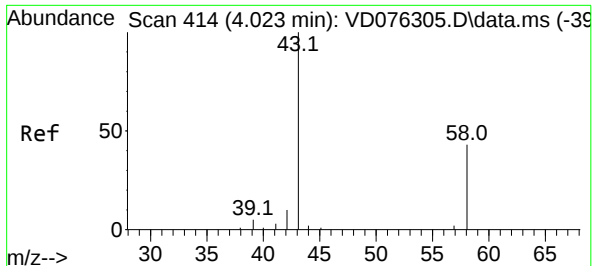
Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: Below Cal
RT: 3.805 min Scan# 377
Delta R.T. 0.018 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 345.2 55.1 82.7#

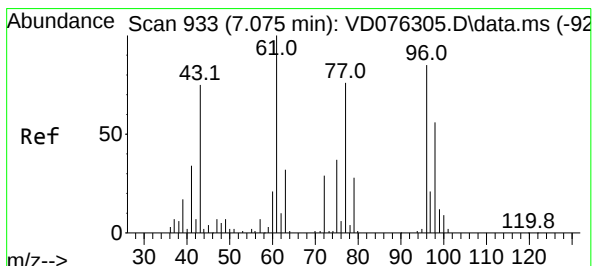
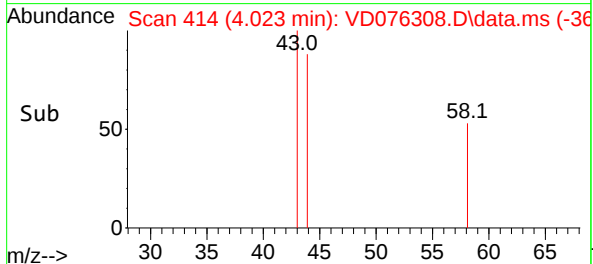
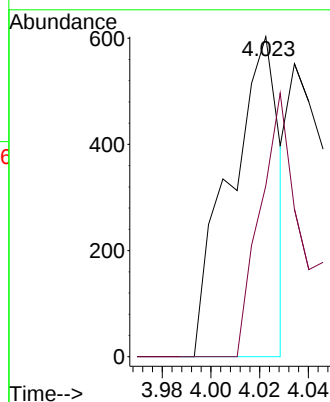
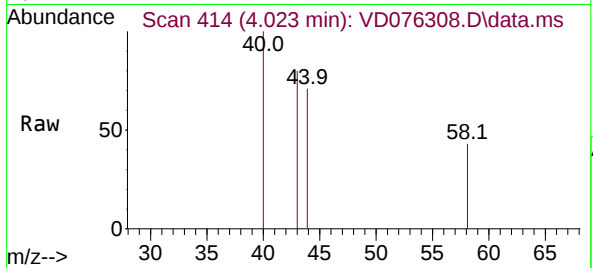




#16
Acetone
Concen: Below Cal
RT: 4.023 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

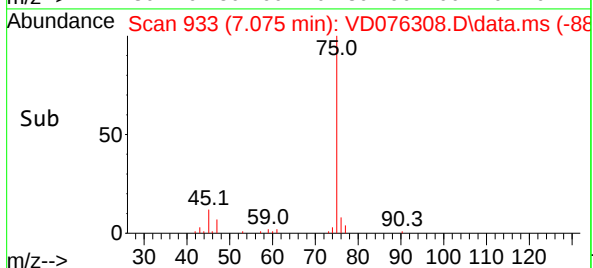
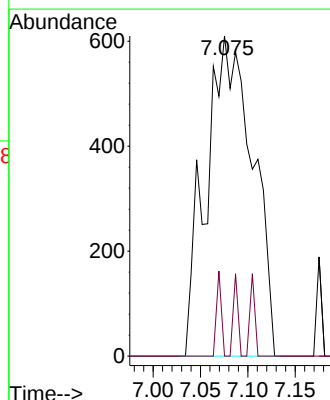
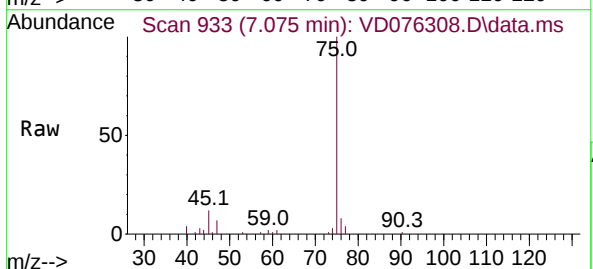
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

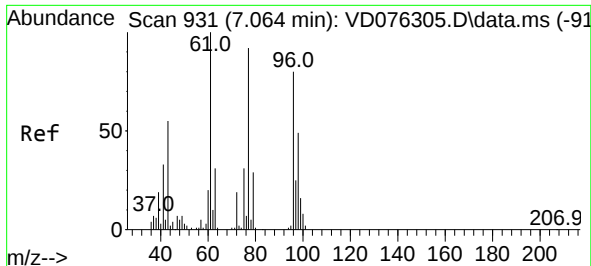
Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 53.4 34.7 52.1#



#25
2-Butanone
Concen: 6.250 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

Tgt Ion: 43 Resp: 2085
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#26

2,2-Dichloropropane

Concen: 1.171 ug/l

RT: 7.069 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076308.D

Acq: 01 Jun 2023 20:43

Instrument :

MSVOA_D

ClientSampleId :

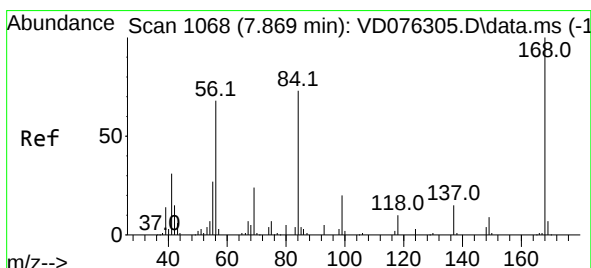
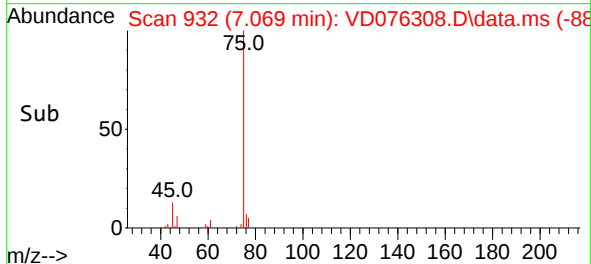
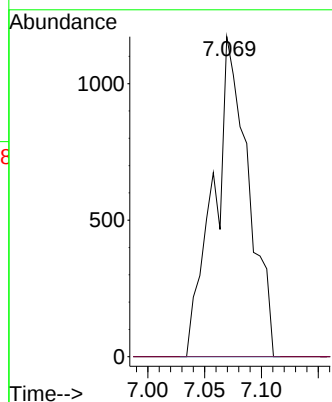
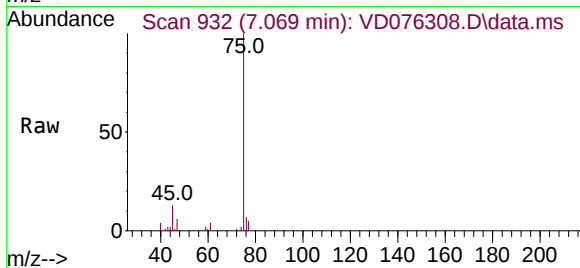
VIBLK

Tgt Ion: 77 Resp: 2492

Ion Ratio Lower Upper

77 100

97 0.0 13.2 39.6#



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VD076308.D

Acq: 01 Jun 2023 20:43

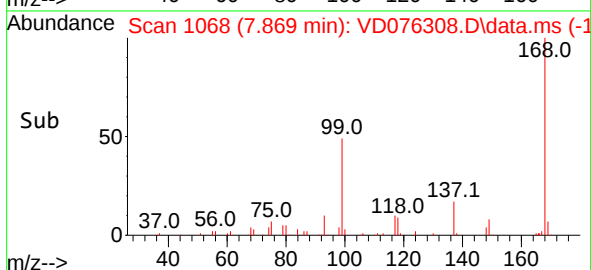
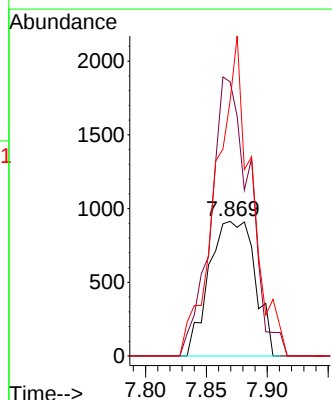
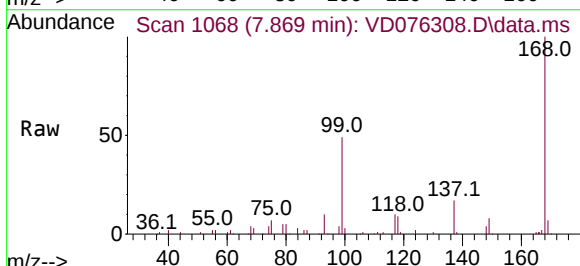
Tgt Ion: 56 Resp: 2398

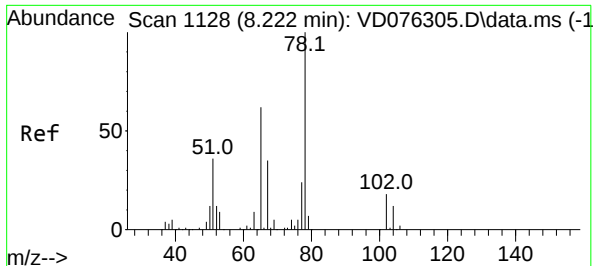
Ion Ratio Lower Upper

56 100

69 203.6 28.6 43.0#

84 189.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 53.570 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD076308.D

Acq: 01 Jun 2023 20:43

Instrument :

MSVOA_D

ClientSampleId :

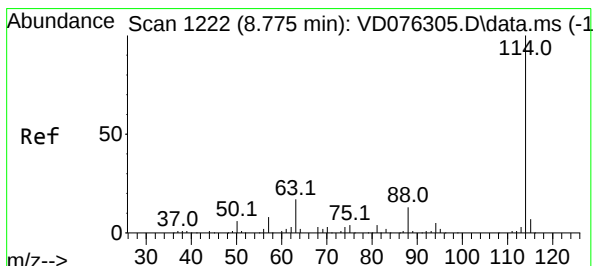
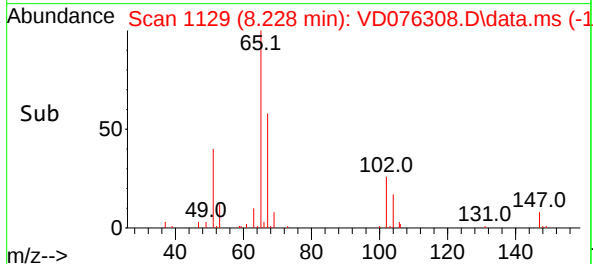
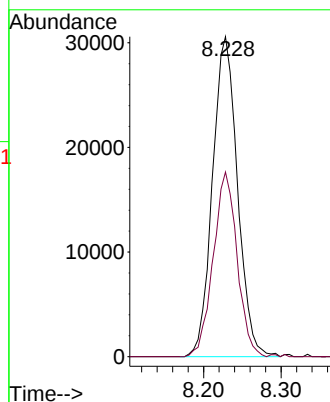
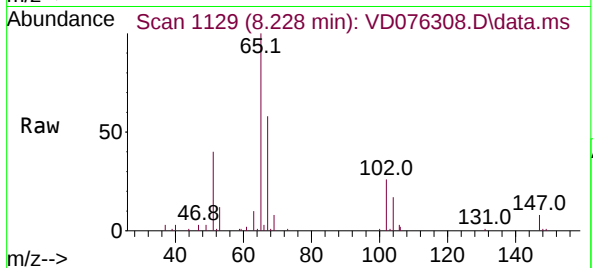
VIBLK

Tgt Ion: 65 Resp: 68485

Ion Ratio Lower Upper

65 100

67 55.1 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: VD076308.D

Acq: 01 Jun 2023 20:43

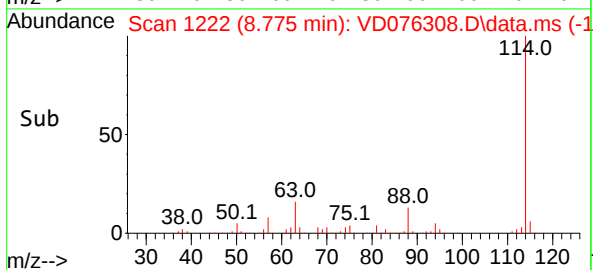
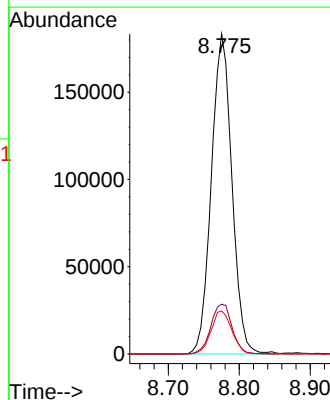
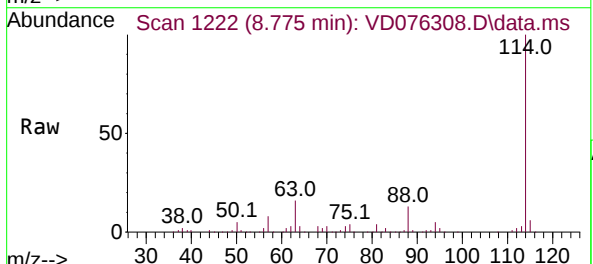
Tgt Ion: 114 Resp: 368156

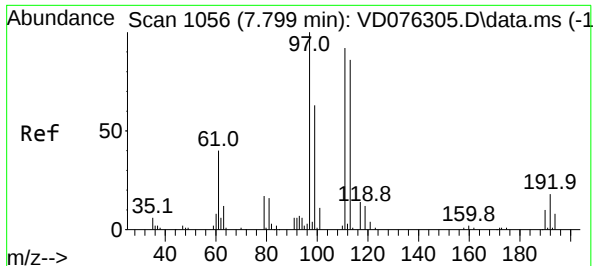
Ion Ratio Lower Upper

114 100

63 15.6 0.0 33.4

88 13.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 52.314 ug/l

RT: 7.805 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VD076308.D

Acq: 01 Jun 2023 20:43

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ClientSampleId :

VIBLK

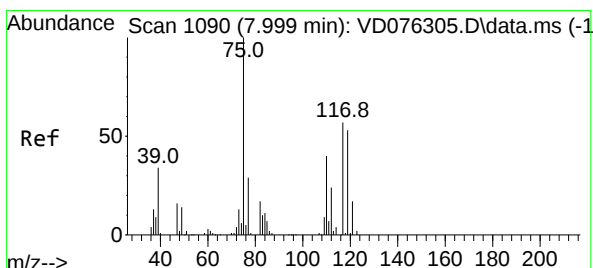
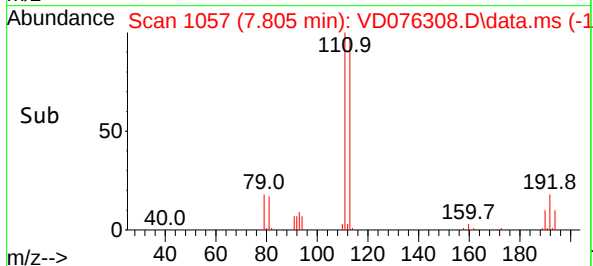
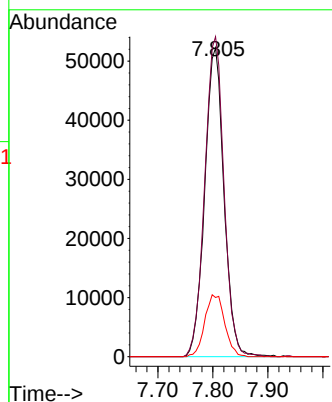
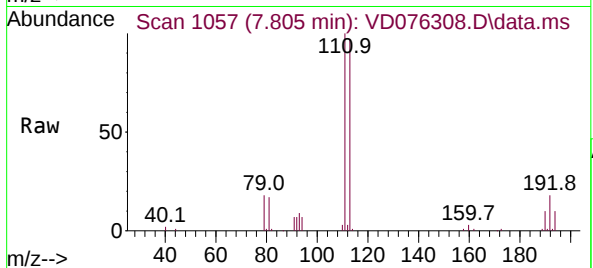
Tgt Ion:113 Resp: 127135

Ion Ratio Lower Upper

113 100

111 103.6 84.7 127.1

192 20.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 2.899 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD076308.D

Acq: 01 Jun 2023 20:43

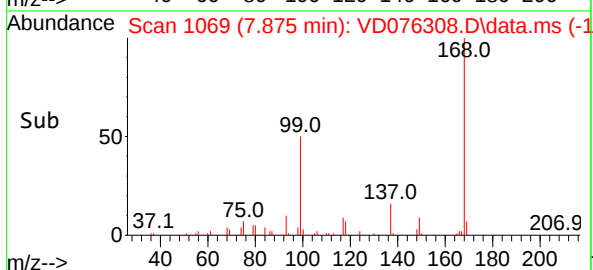
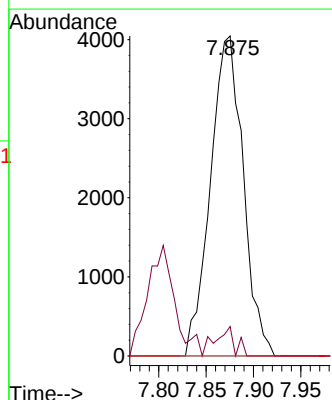
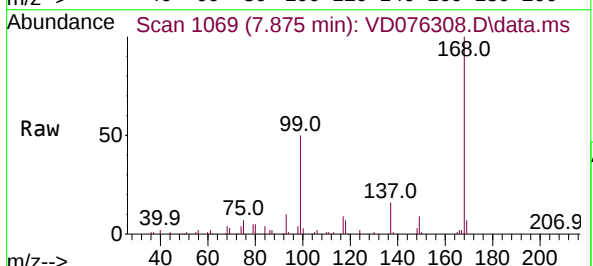
Tgt Ion: 75 Resp: 9742

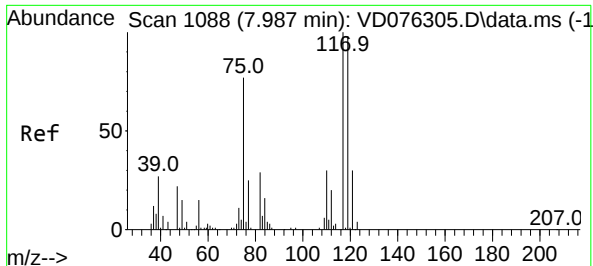
Ion Ratio Lower Upper

75 100

110 5.5 19.9 59.6#

77 0.0 24.7 37.1#

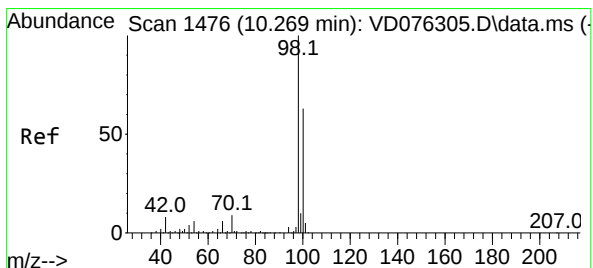
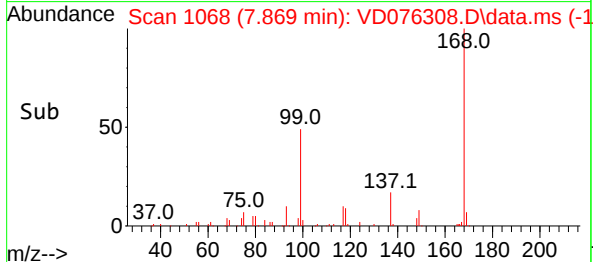
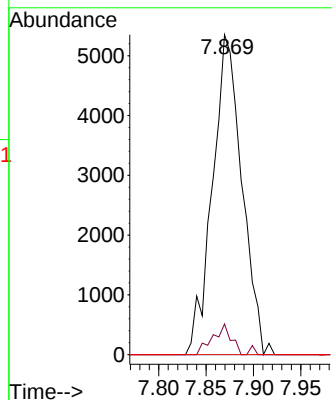
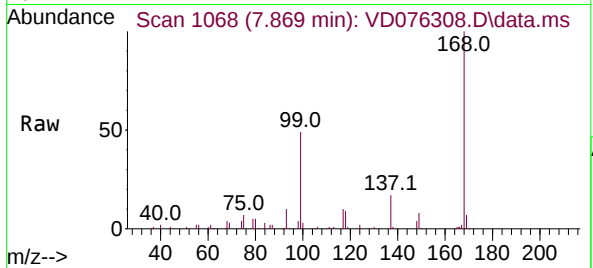




#38
Carbon Tetrachloride
Concen: 4.003 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

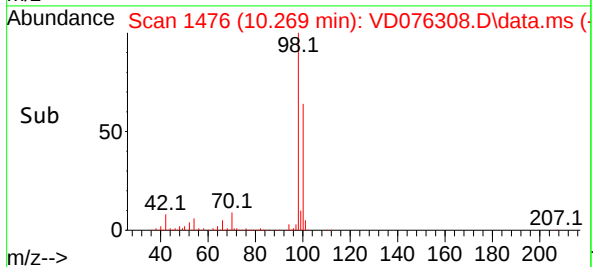
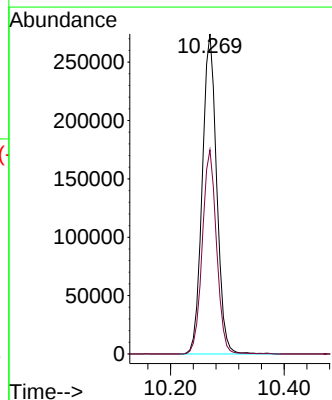
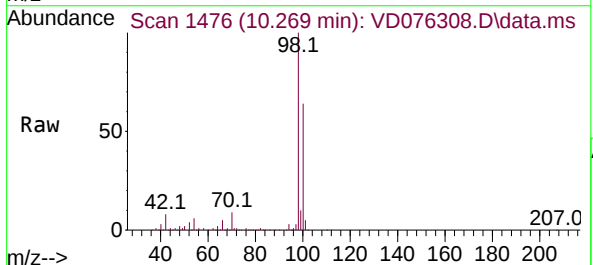
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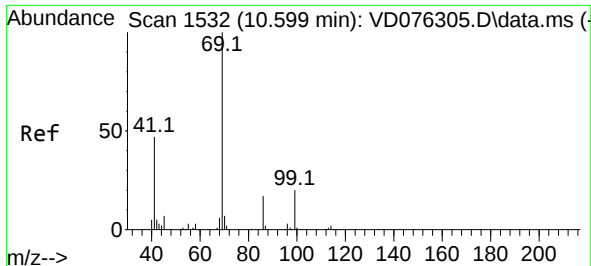
Tgt Ion:117 Resp: 11586
Ion Ratio Lower Upper
117 100
119 9.6 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.413 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

Tgt Ion: 98 Resp: 481744
Ion Ratio Lower Upper
98 100
100 63.0 50.3 75.5

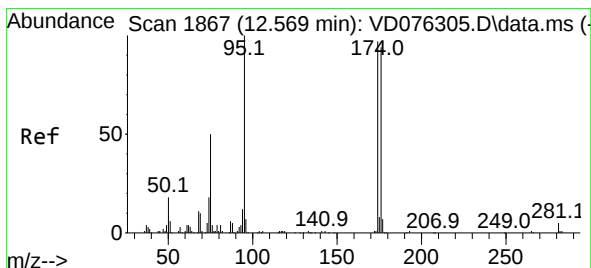
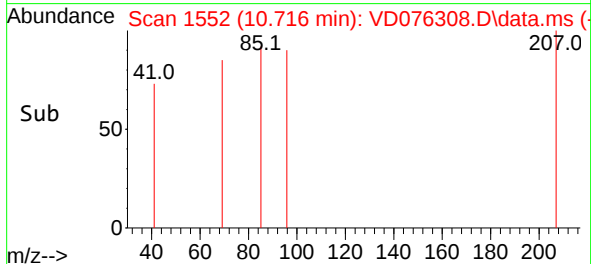
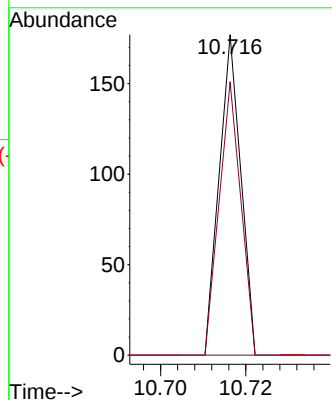
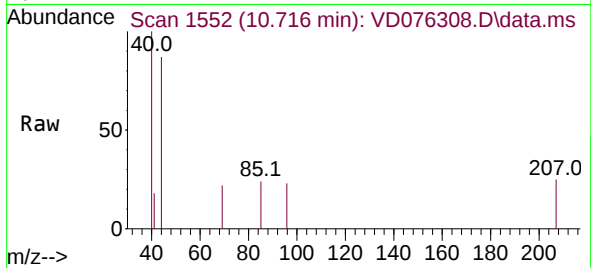




#56
Ethyl methacrylate
Concen: 2.754 ug/l
RT: 10.716 min Scan# 1552
Delta R.T. 0.117 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

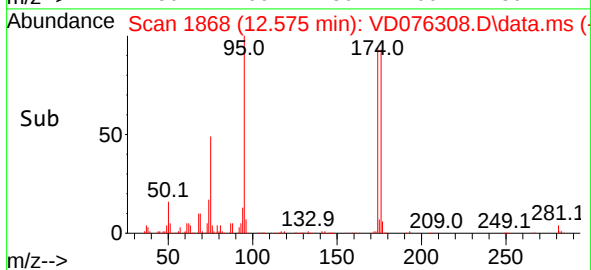
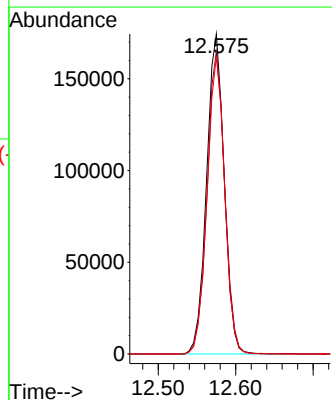
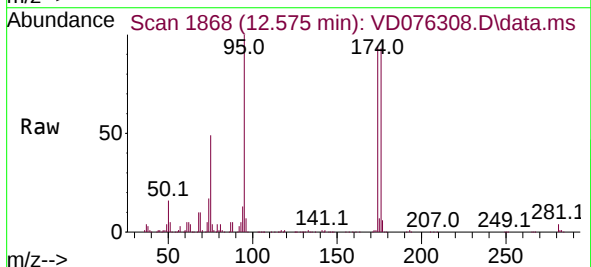
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

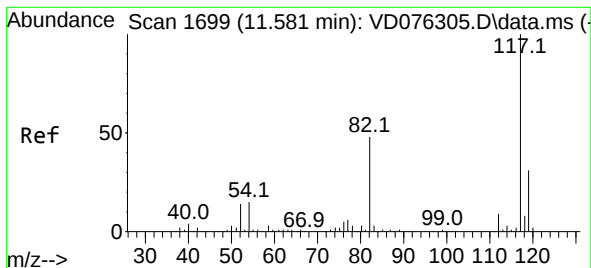
Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 85.5 39.1 58.7#
39 0.0 20.0 30.0#



#62
4-Bromofluorobenzene
Concen: 105.645 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

Tgt Ion: 95 Resp: 276104
Ion Ratio Lower Upper
95 100
174 94.9 0.0 201.8
176 92.2 0.0 191.8

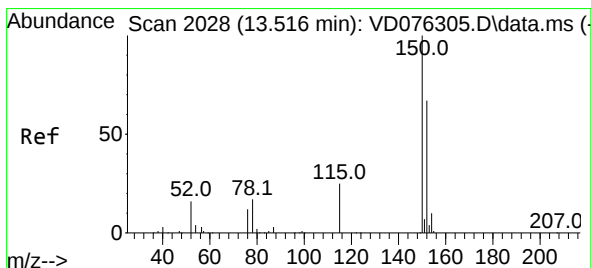
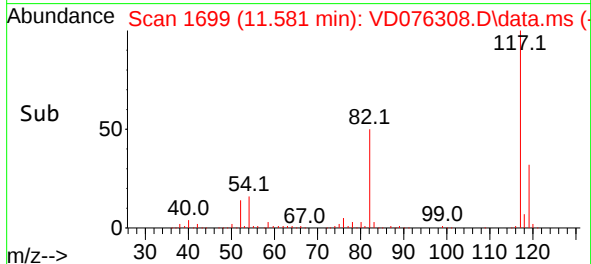
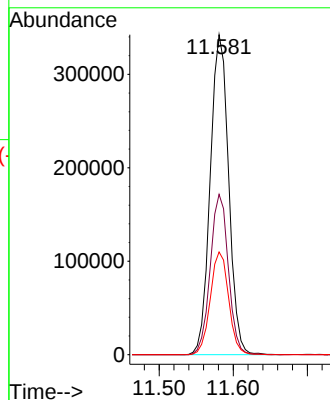
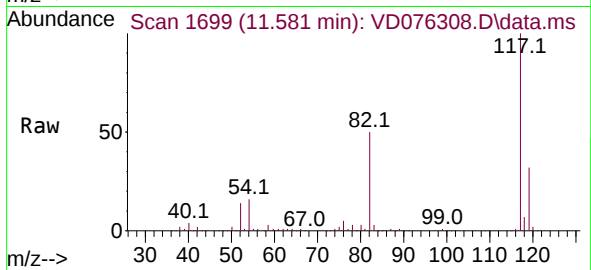




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

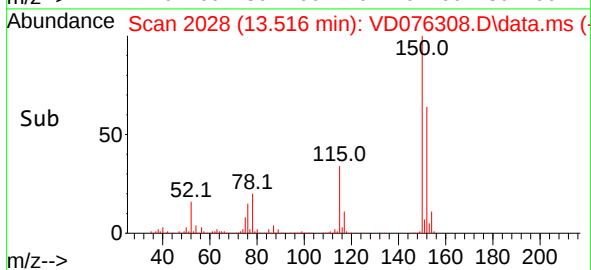
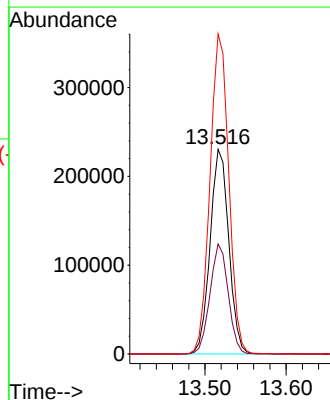
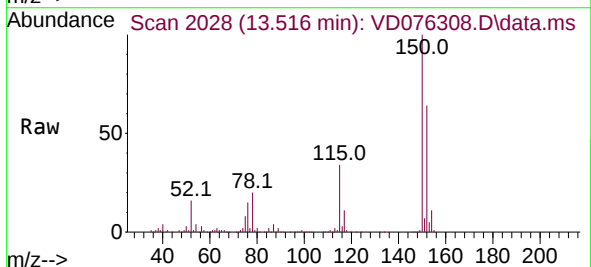
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

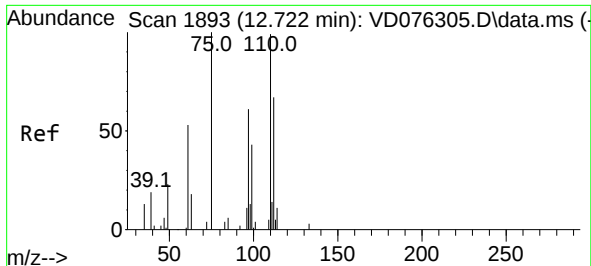
Tgt Ion:117 Resp: 590389
Ion Ratio Lower Upper
117 100
82 50.1 38.3 57.5
119 32.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

Tgt Ion:152 Resp: 367675
Ion Ratio Lower Upper
152 100
115 52.4 27.1 81.3
150 157.3 0.0 353.6

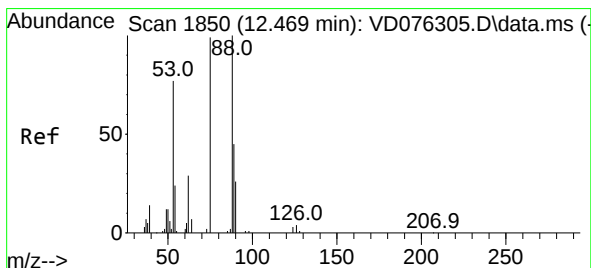
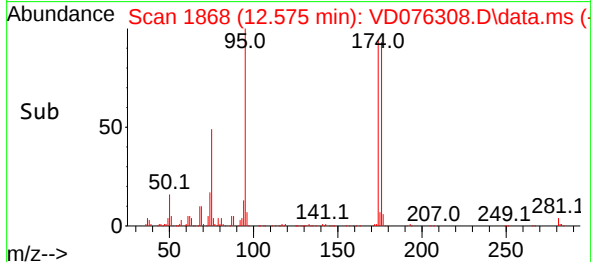
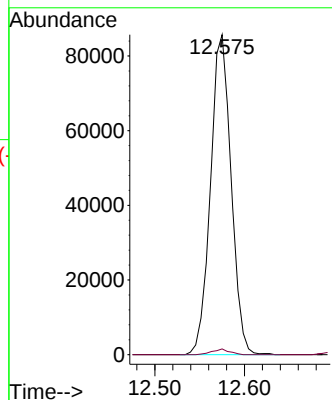
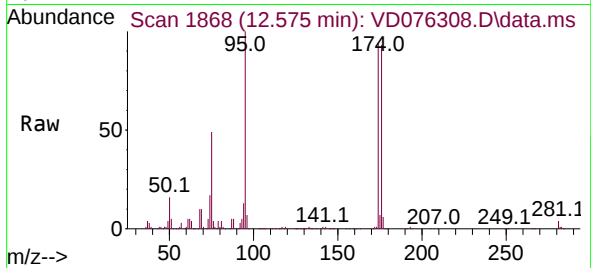




#76
1,2,3-Trichloropropane
Concen: 41.326 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

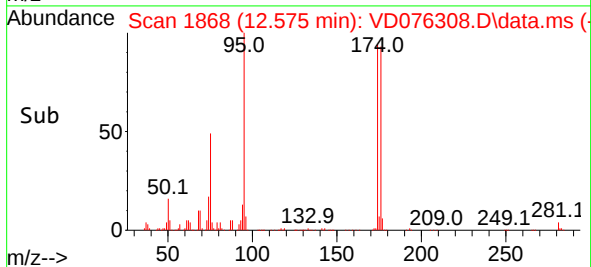
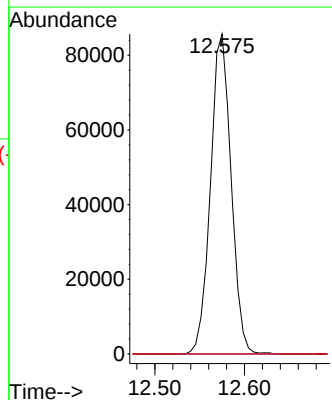
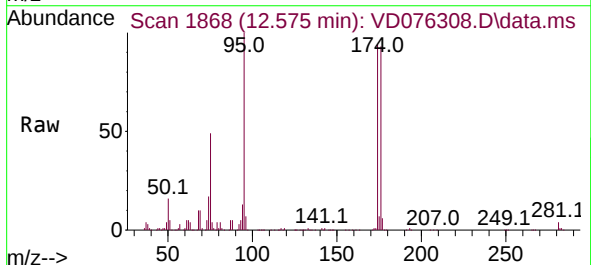
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

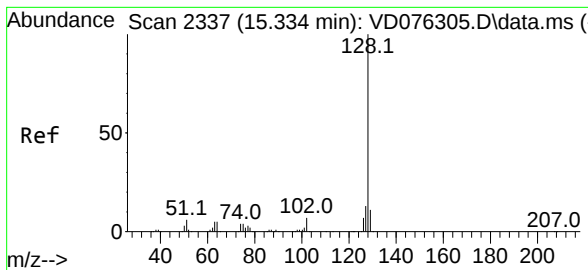
Tgt Ion: 75 Resp: 136696
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.799 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

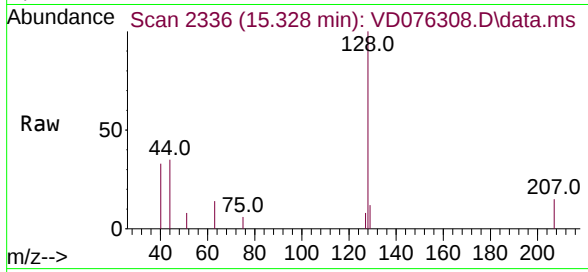
Tgt Ion: 75 Resp: 136696
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 4.146 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD076308.D
Acq: 01 Jun 2023 20:43

Instrument :
MSVOA_D
ClientSampleId :
VIBLK



Tgt Ion:128 Resp: 6303
Ion Ratio Lower Upper
128 100
127 7.7 10.5 15.7#
129 0.0 8.7 13.1#

