

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010923\
 Data File : VD075093.D
 Acq On : 09 Jan 2023 14:48
 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: Jan 10 03:40:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

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

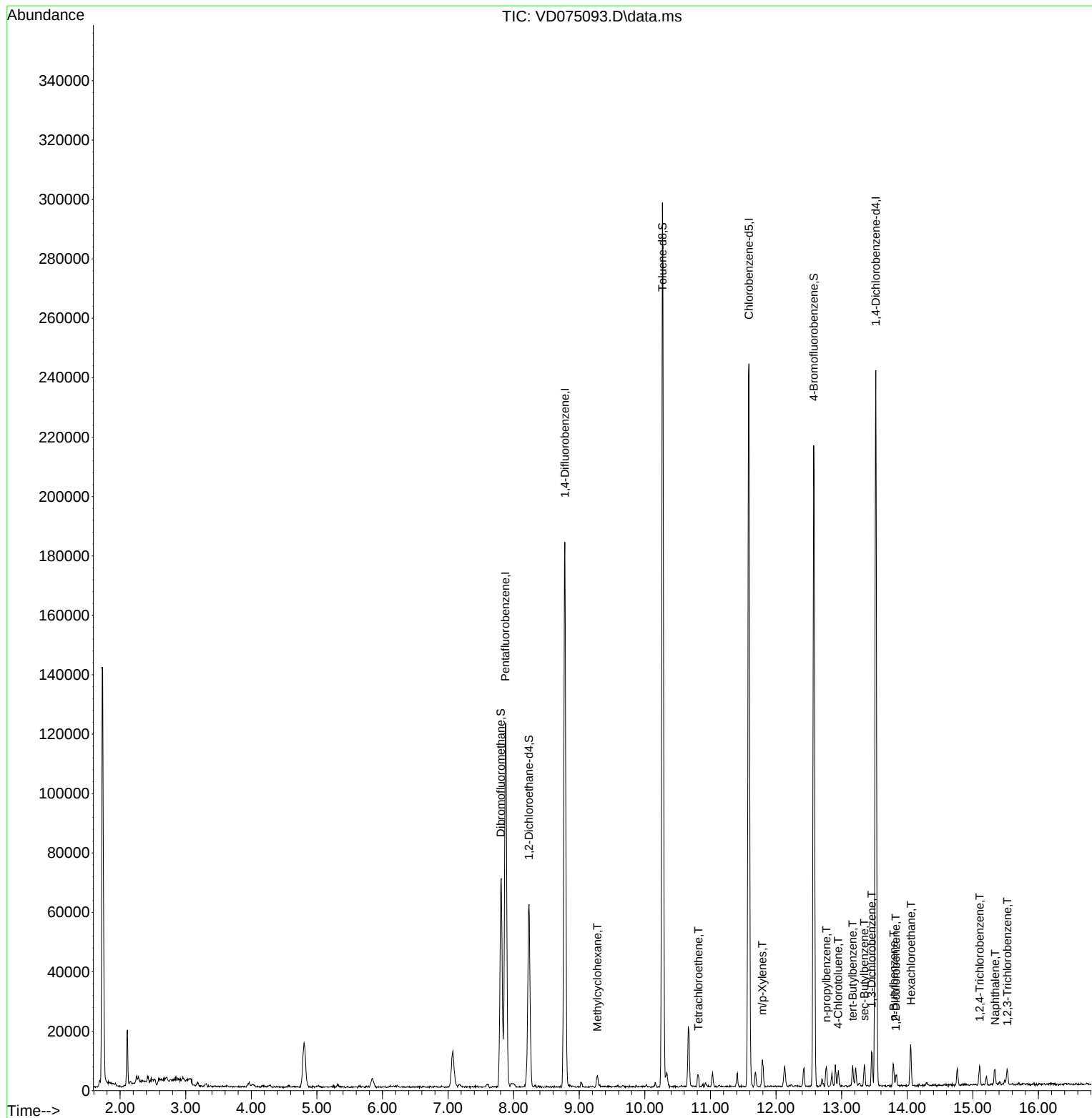
Internal Standards						
1) Pentafluorobenzene	7.875	168	96644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	166086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	143230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	63204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	46782	48.283	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.804	113	52155	49.922	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.840%
50) Toluene-d8	10.269	98	202953	48.994	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.980%
62) 4-Bromofluorobenzene	12.575	95	65062	48.933	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.860%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.275	83	1756	1.175	ug/l	88
64) Tetrachloroethene	10.816	164	997	1.085	ug/l #	84
68) m/p-Xylenes	11.792	106	2999	1.621	ug/l	97
78) n-propylbenzene	12.769	91	6181	1.091	ug/l	100
82) 4-Chlorotoluene	12.945	91	3415	1.070	ug/l	91
83) tert-Butylbenzene	13.169	119	3647	1.078	ug/l	90
85) sec-Butylbenzene	13.345	105	5880	1.147	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	2542	1.234	ug/l	93
89) n-Butylbenzene	13.792	91	4773	1.172	ug/l	96
90) Hexachloroethane	14.057	117	755	1.046	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	2007	1.089	ug/l	93
93) 1,2,4-Trichlorobenzene	15.104	180	2250	1.887	ug/l	89
95) Naphthalene	15.339	128	5685	2.429	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.527	180	2171	2.108	ug/l	91

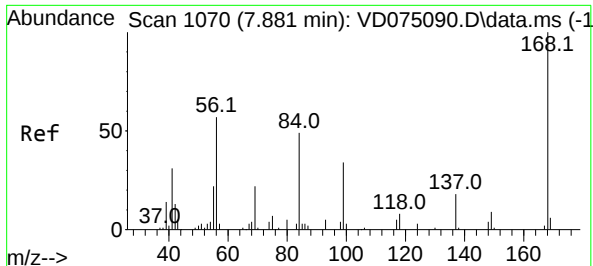
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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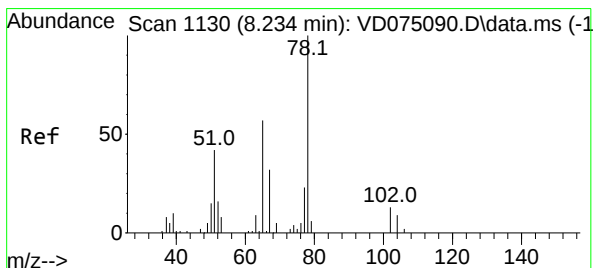
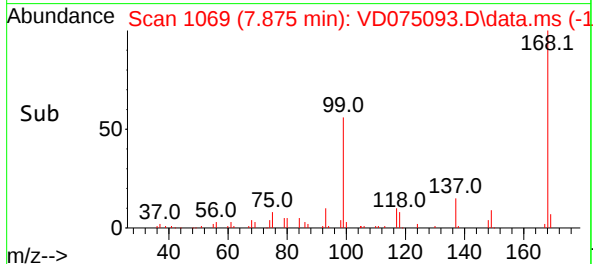
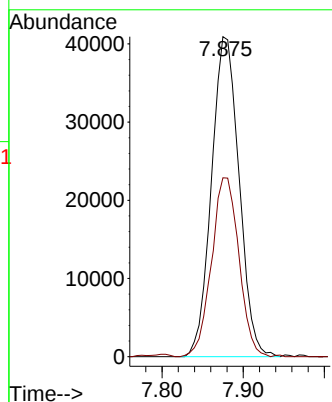
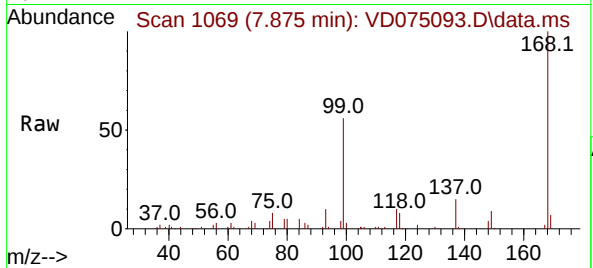




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

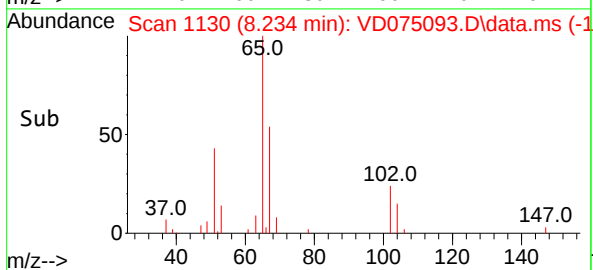
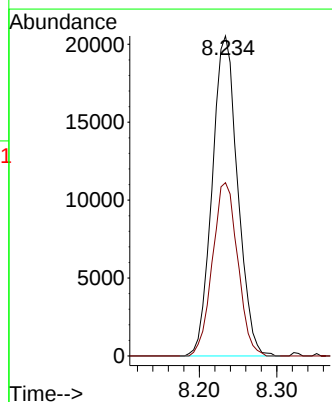
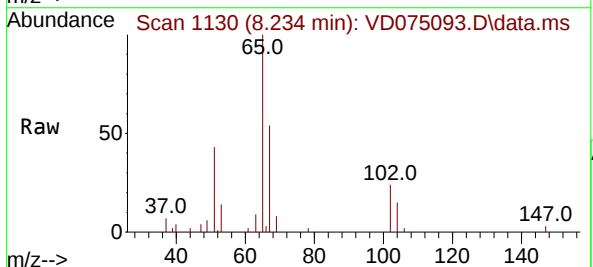
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

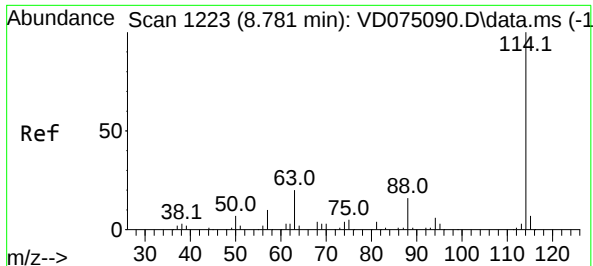
Tgt Ion:168 Resp: 96644
Ion Ratio Lower Upper
168 100
99 55.9 43.2 64.8



#33
1,2-Dichloroethane-d4
Concen: 48.283 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

Tgt Ion: 65 Resp: 46782
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075093.D

Acq: 09 Jan 2023 14:48

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

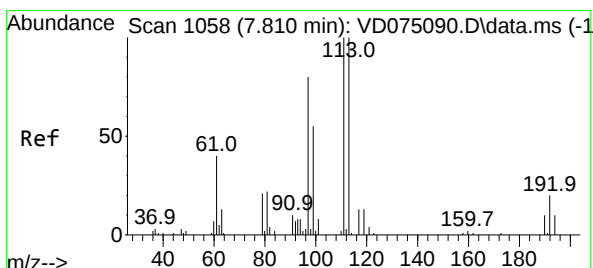
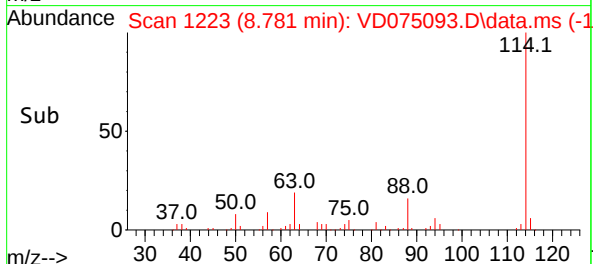
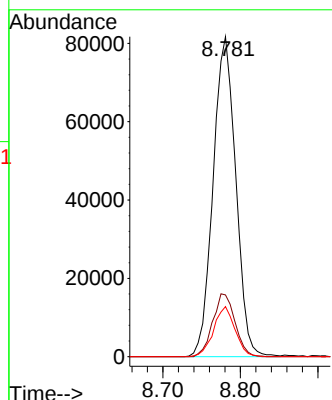
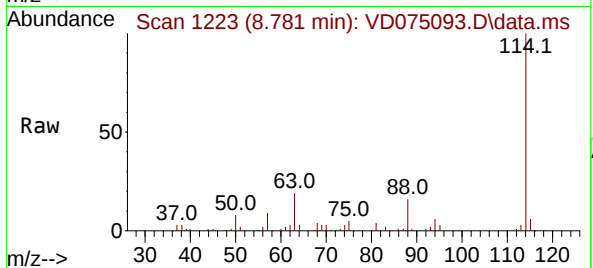
Tgt Ion:114 Resp: 166086

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.7 0.0 31.2



#35

Dibromofluoromethane

Concen: 49.922 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075093.D

Acq: 09 Jan 2023 14:48

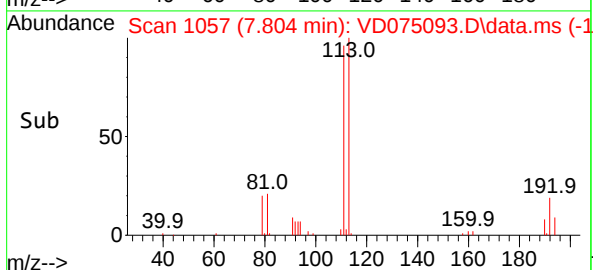
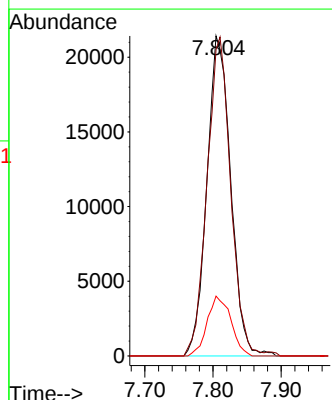
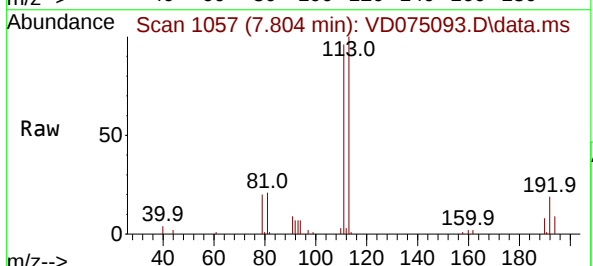
Tgt Ion:113 Resp: 52155

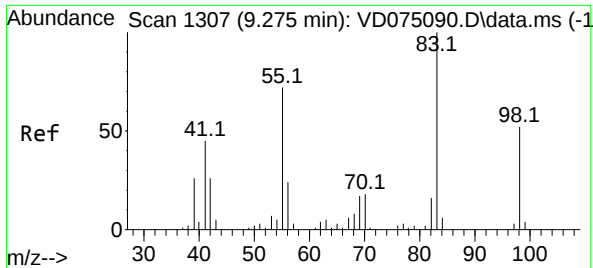
Ion Ratio Lower Upper

113 100

111 98.4 83.2 124.8

192 18.6 15.0 22.6





#39

Methylcyclohexane

Concen: 1.175 ug/l

RT: 9.275 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075093.D

Acq: 09 Jan 2023 14:48

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

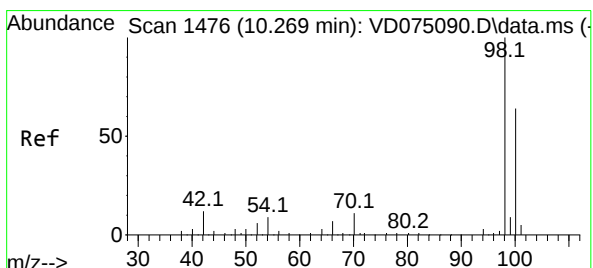
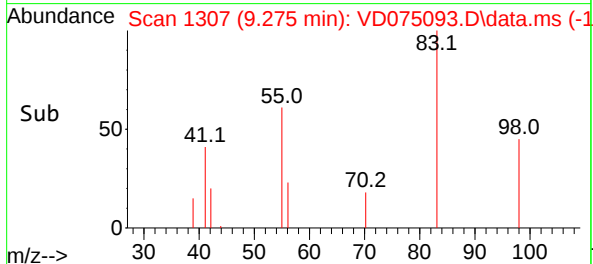
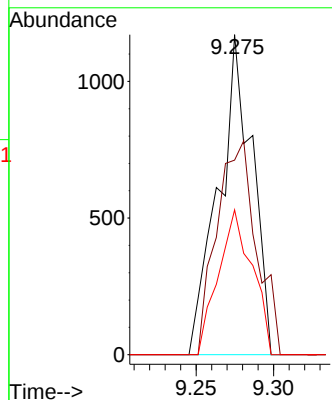
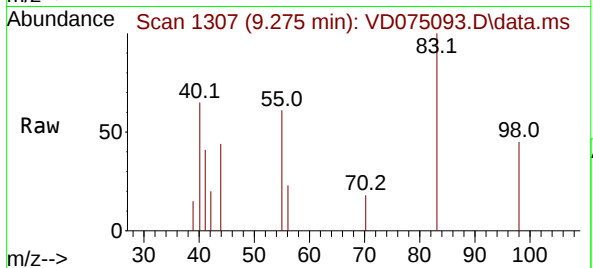
Tgt Ion: 83 Resp: 1756

Ion Ratio Lower Upper

83 100

55 60.8 57.6 86.4

98 45.3 41.4 62.0



#50

Toluene-d8

Concen: 48.994 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075093.D

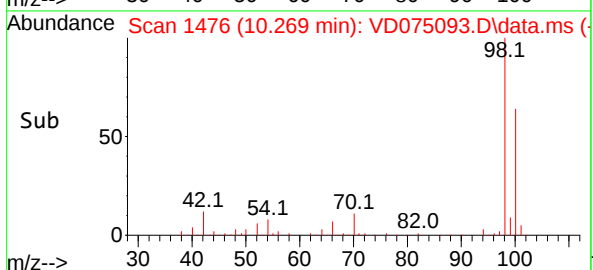
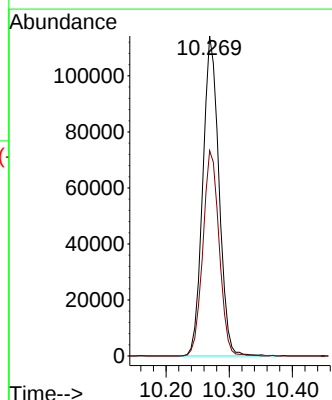
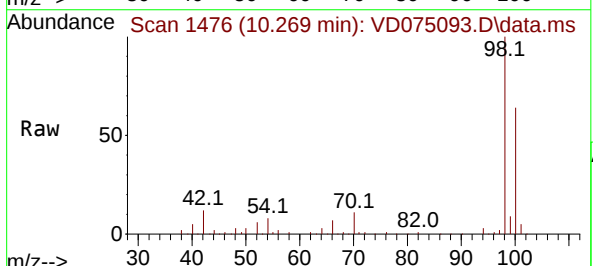
Acq: 09 Jan 2023 14:48

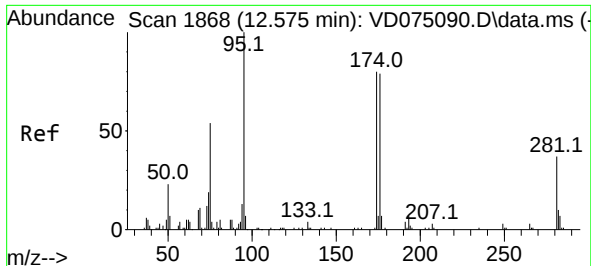
Tgt Ion: 98 Resp: 202953

Ion Ratio Lower Upper

98 100

100 64.6 52.4 78.6

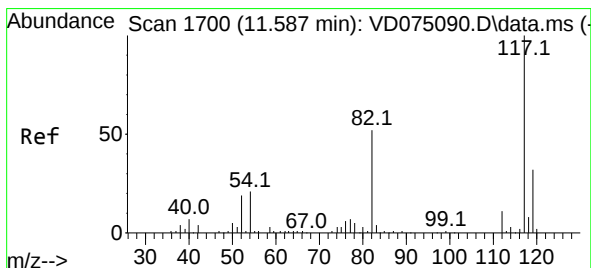
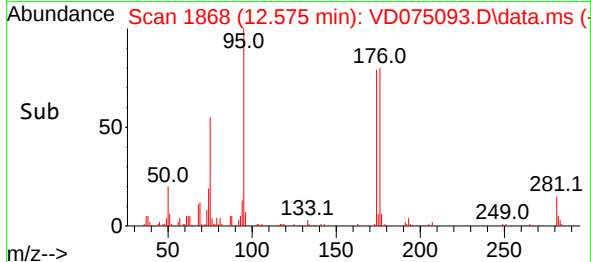
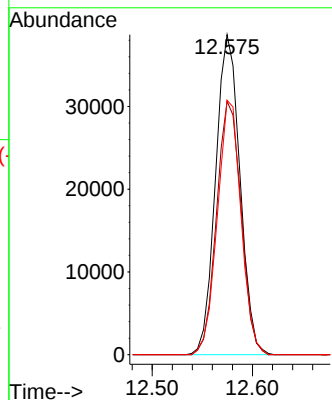
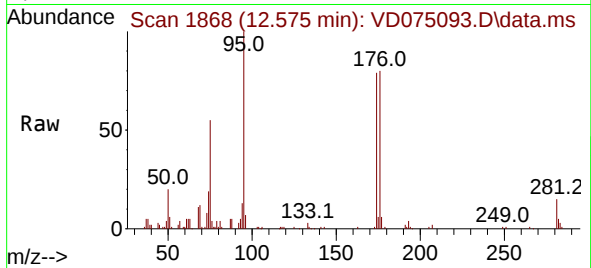




#62
4-Bromofluorobenzene
Concen: 48.933 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

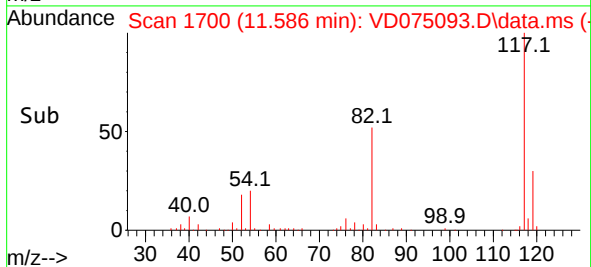
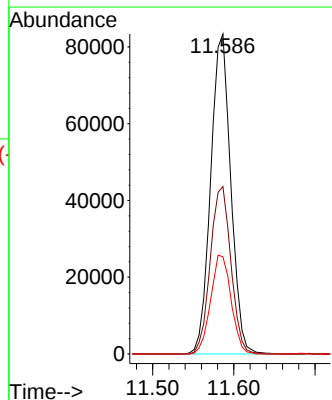
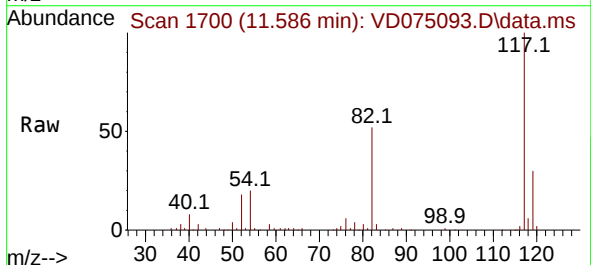
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

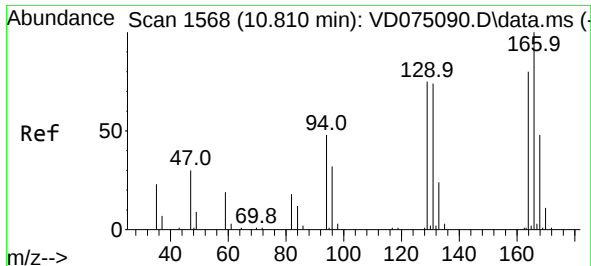
Tgt Ion:	95	Resp:	65062
Ion Ratio	Lower	Upper	
95	100		
174	79.9	0.0	168.4
176	77.4	0.0	163.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

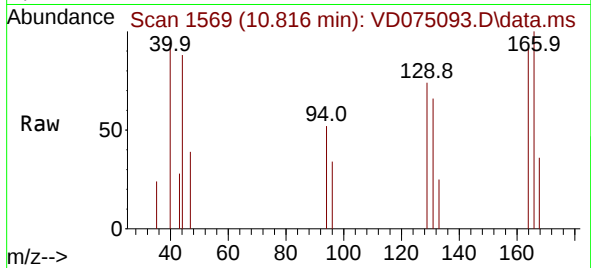
Tgt Ion:	117	Resp:	143230
Ion Ratio	Lower	Upper	
117	100		
82	52.3	41.3	61.9
119	30.3	25.8	38.6



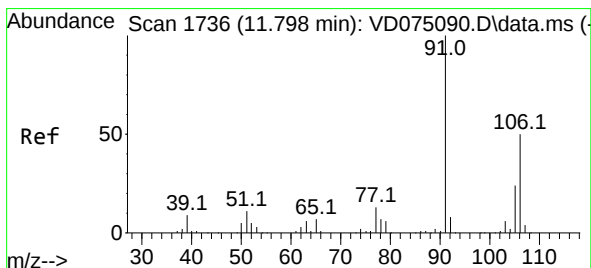
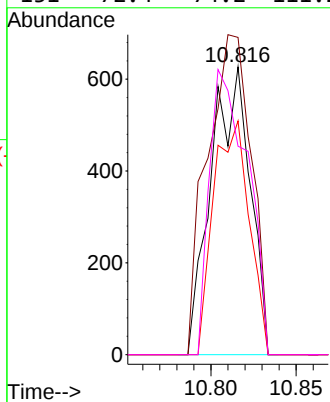
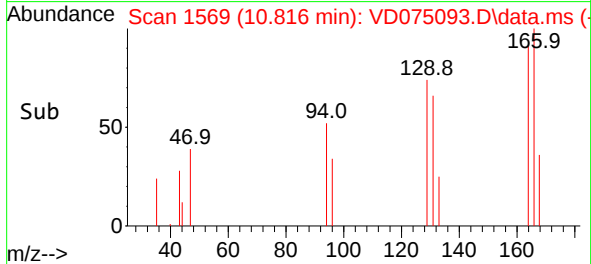


#64
Tetrachloroethene
Concen: 1.085 ug/l
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

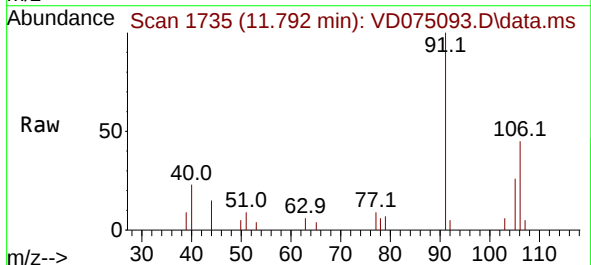
Instrument :
MSVOA_D
ClientSampleId :
VIBLK



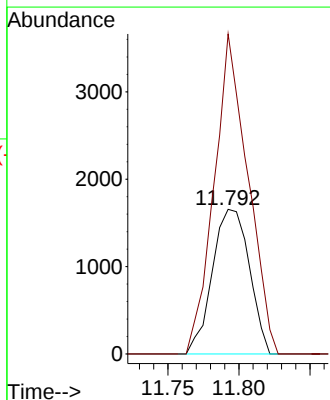
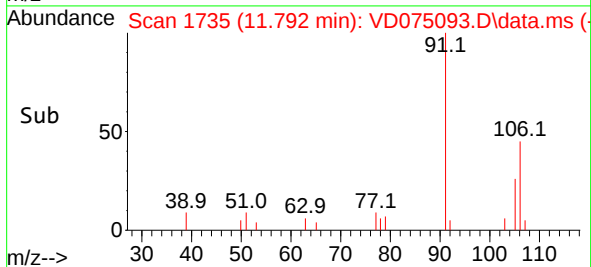
Tgt Ion:164 Resp: 997
Ion Ratio Lower Upper
164 100
166 110.2 100.3 150.5
129 81.2 75.8 113.6
131 72.4 74.2 111.2#

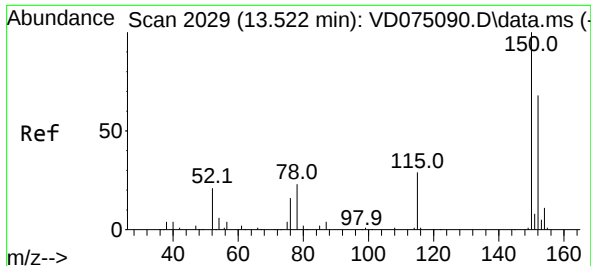


#68
m/p-Xylenes
Concen: 1.621 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48



Tgt Ion:106 Resp: 2999
Ion Ratio Lower Upper
106 100
91 202.1 157.9 236.9

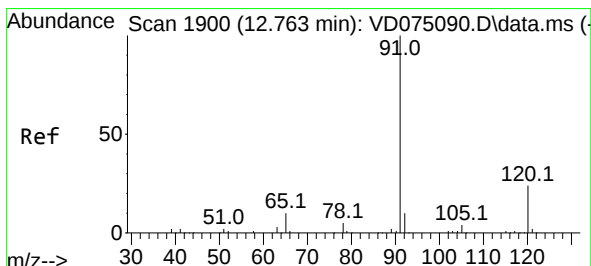
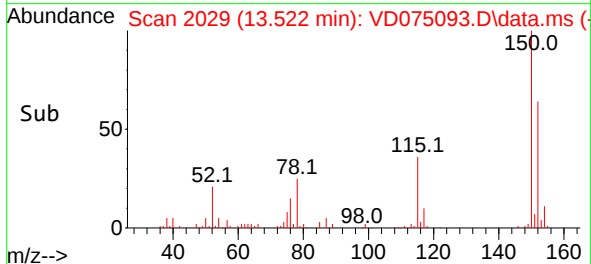
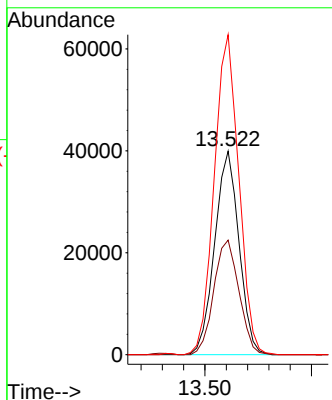
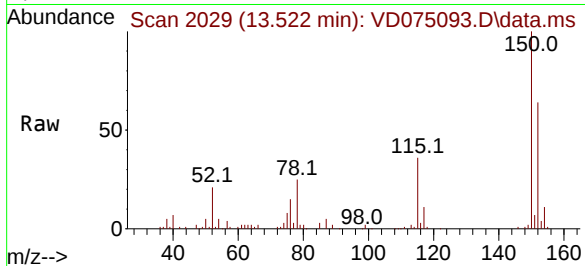




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

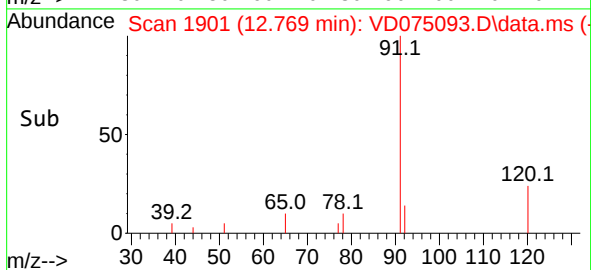
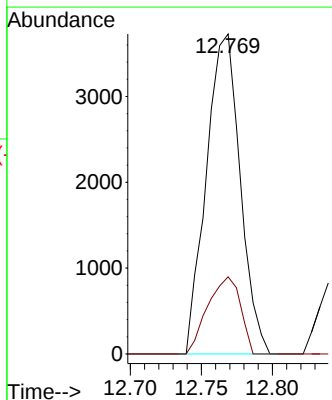
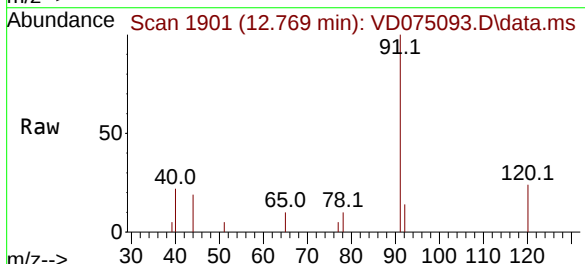
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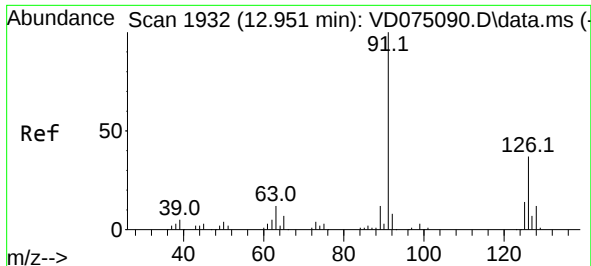
Tgt Ion:152 Resp: 63204
Ion Ratio Lower Upper
152 100
115 58.3 28.7 86.1
150 158.8 0.0 343.2



#78
n-propylbenzene
Concen: 1.091 ug/l
RT: 12.769 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

Tgt Ion: 91 Resp: 6181
Ion Ratio Lower Upper
91 100
120 23.2 11.7 35.0

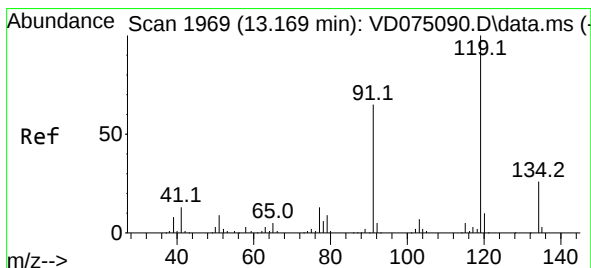
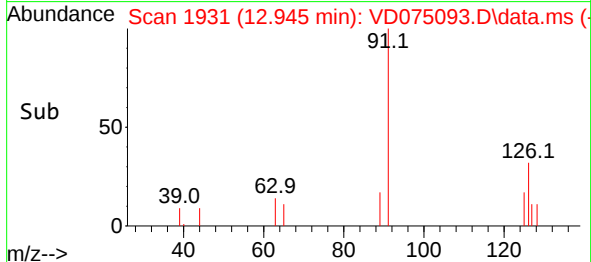
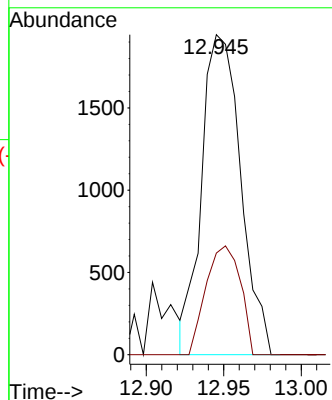
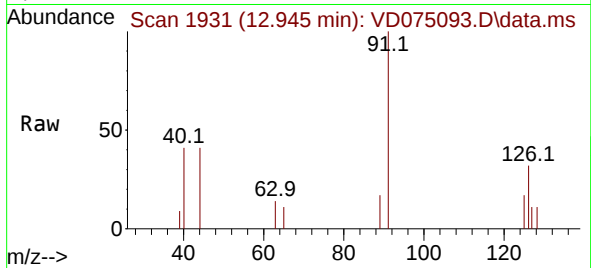




#82
4-Chlorotoluene
Concen: 1.070 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.006 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

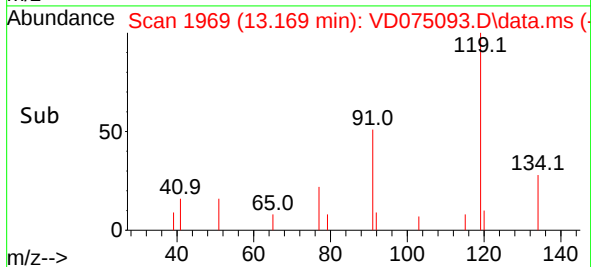
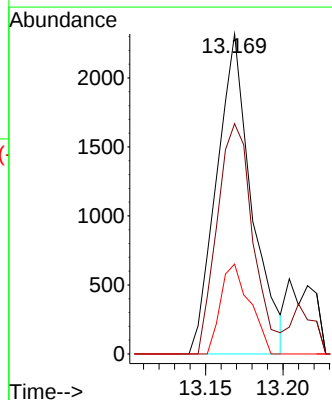
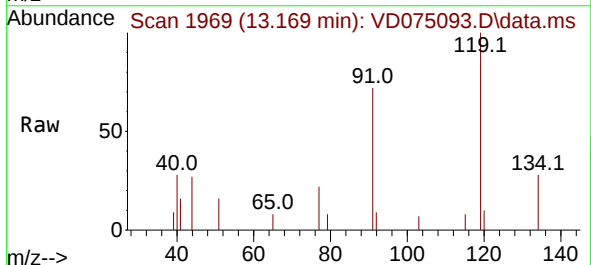
Instrument :
MSVOA_D
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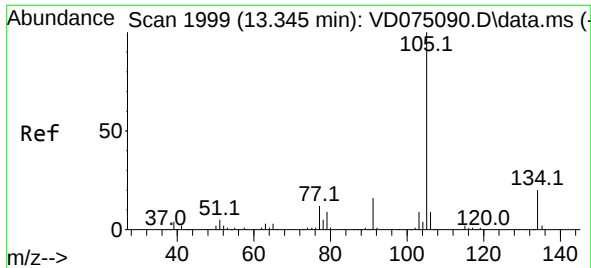
Tgt Ion: 91 Resp: 3415
Ion Ratio Lower Upper
91 100
126 29.9 17.6 52.8



#83
tert-Butylbenzene
Concen: 1.078 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

Tgt Ion: 119 Resp: 3647
Ion Ratio Lower Upper
119 100
91 73.5 32.6 97.8
134 23.4 13.7 41.1

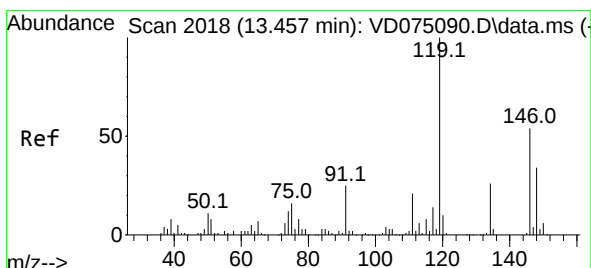
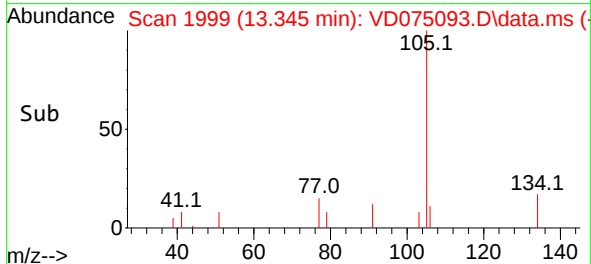
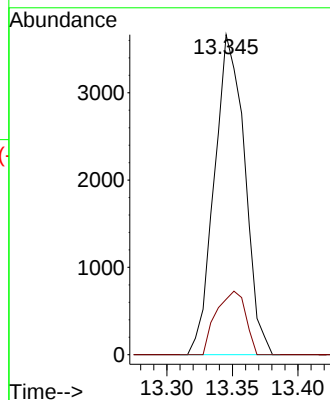
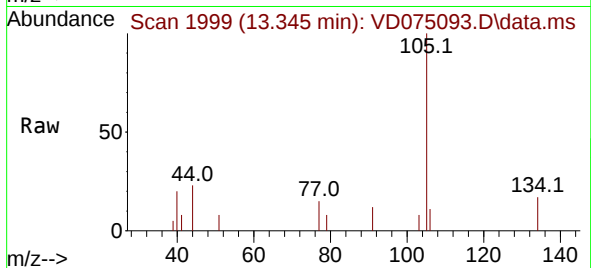




#85
 sec-Butylbenzene
 Concen: 1.147 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VD075093.D
 Acq: 09 Jan 2023 14:48

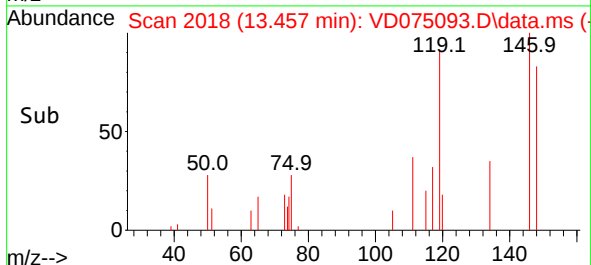
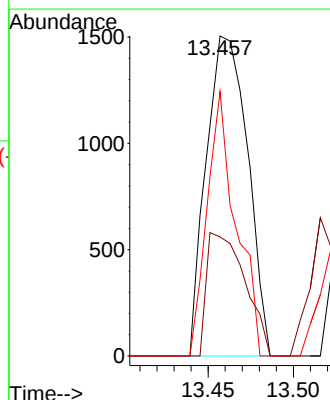
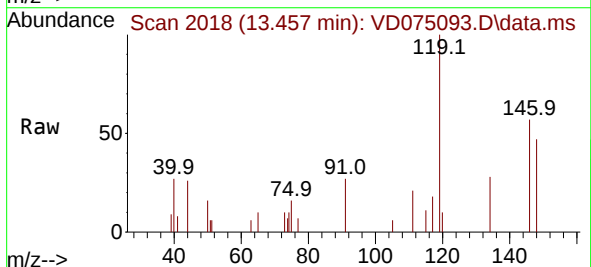
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

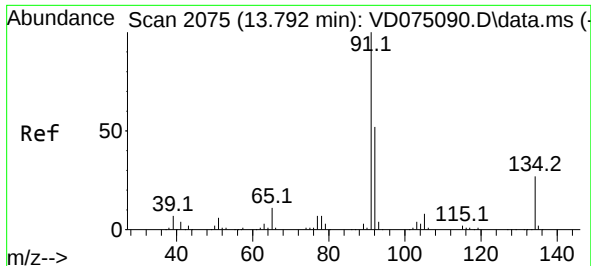
Tgt Ion:105 Resp: 5880
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.1 30.3



#87
 1,3-Dichlorobenzene
 Concen: 1.234 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: VD075093.D
 Acq: 09 Jan 2023 14:48

Tgt Ion:146 Resp: 2542
 Ion Ratio Lower Upper
 146 100
 111 35.6 19.7 59.1
 148 57.7 32.0 96.0

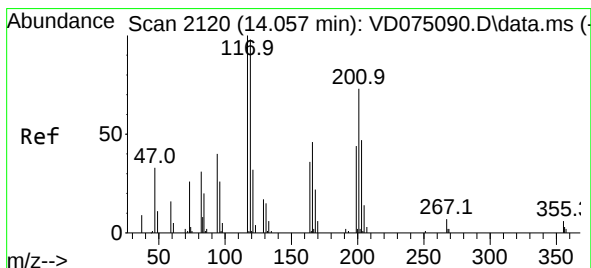
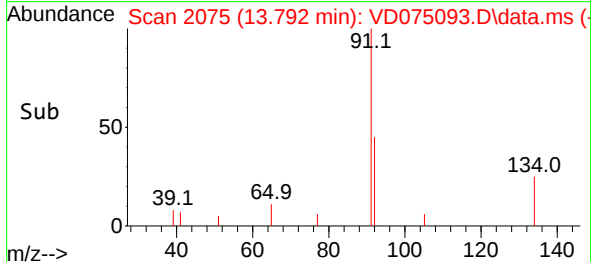
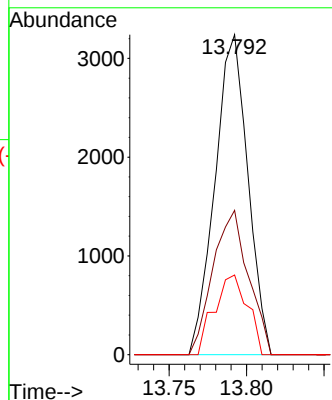
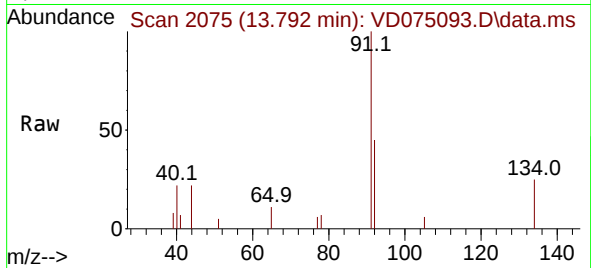




#89
n-Butylbenzene
Concen: 1.172 ug/l
RT: 13.792 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

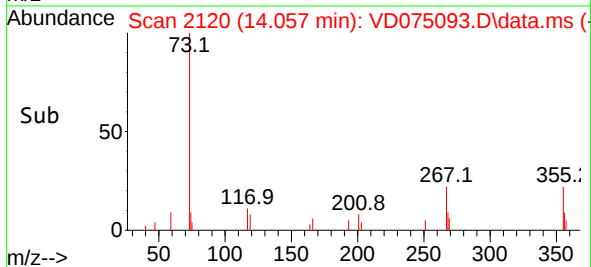
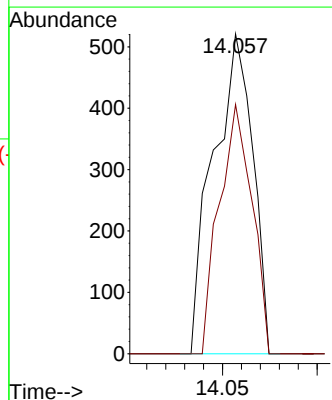
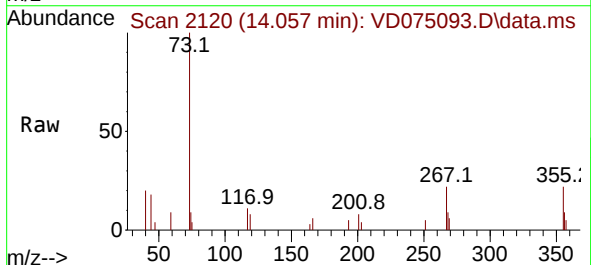
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

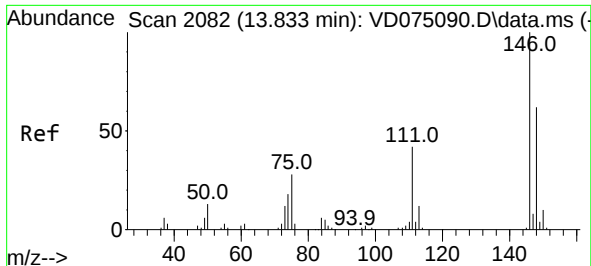
Tgt Ion: 91 Resp: 4773
Ion Ratio Lower Upper
91 100
92 48.8 26.2 78.5
134 25.1 13.2 39.6



#90
Hexachloroethane
Concen: 1.046 ug/l
RT: 14.057 min Scan# 2120
Delta R.T. -0.000 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

Tgt Ion: 117 Resp: 755
Ion Ratio Lower Upper
117 100
201 64.5 35.5 106.7





#91

1,2-Dichlorobenzene

Concen: 1.089 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VD075093.D

Acq: 09 Jan 2023 14:48

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

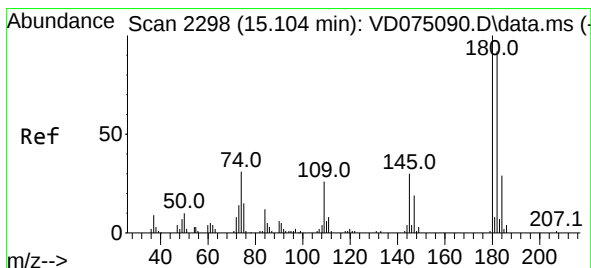
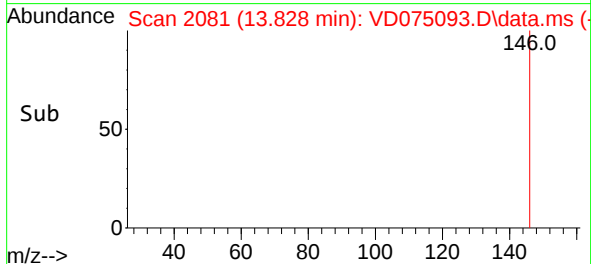
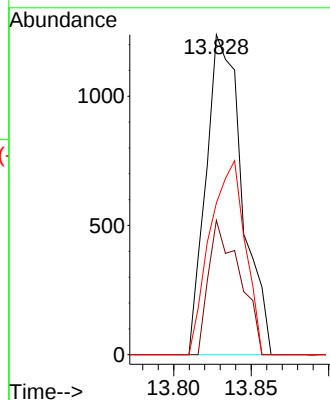
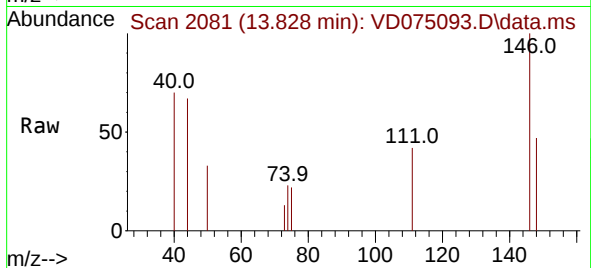
Tgt Ion:146 Resp: 2007

Ion Ratio Lower Upper

146 100

111 36.1 20.5 61.5

148 59.0 31.9 95.5



#93

1,2,4-Trichlorobenzene

Concen: 1.887 ug/l

RT: 15.104 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VD075093.D

Acq: 09 Jan 2023 14:48

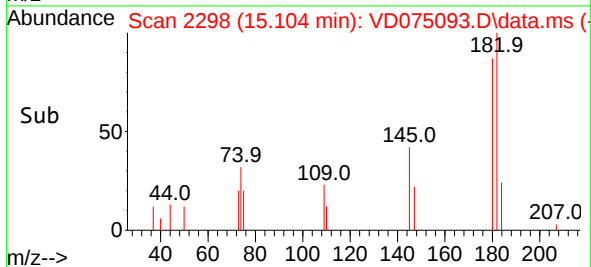
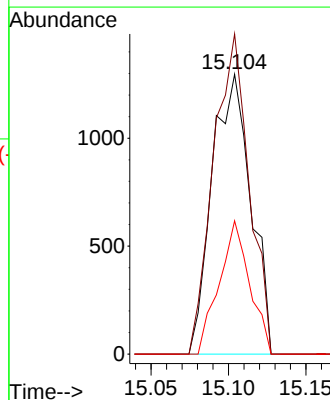
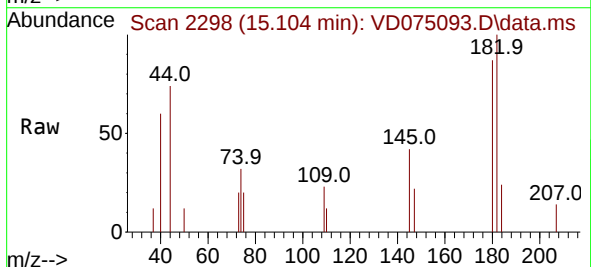
Tgt Ion:180 Resp: 2250

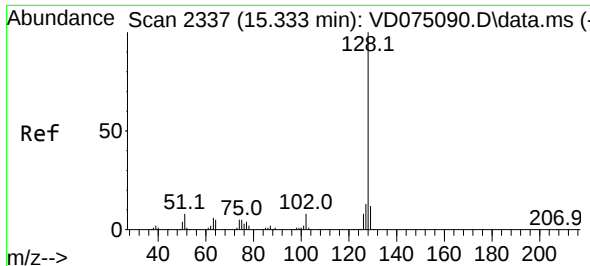
Ion Ratio Lower Upper

180 100

182 105.3 47.3 141.9

145 37.5 15.7 47.0

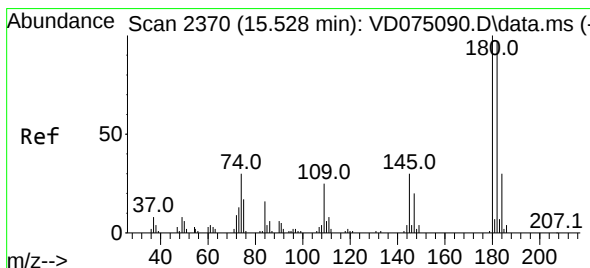
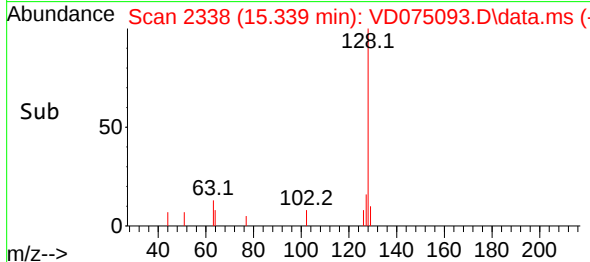
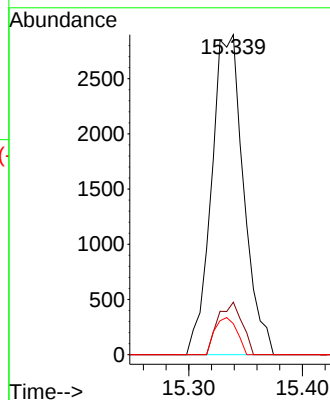
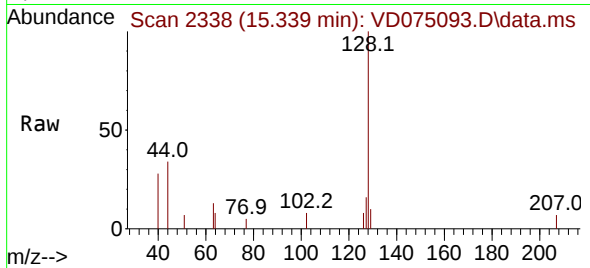




#95
Naphthalene
Concen: 2.429 ug/l
RT: 15.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 5685
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 8.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.108 ug/l
RT: 15.527 min Scan# 2370
Delta R.T. -0.000 min
Lab File: VD075093.D
Acq: 09 Jan 2023 14:48

Tgt Ion:180 Resp: 2171
Ion Ratio Lower Upper
180 100
182 88.3 47.4 142.3
145 40.4 16.0 48.0

