

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102822\
 Data File : VD074679.D
 Acq On : 28 Oct 2022 18:42
 Operator : VA/SY
 Sample : N5267-10RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP4-1024RE

Quant Time: Oct 29 02:16:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

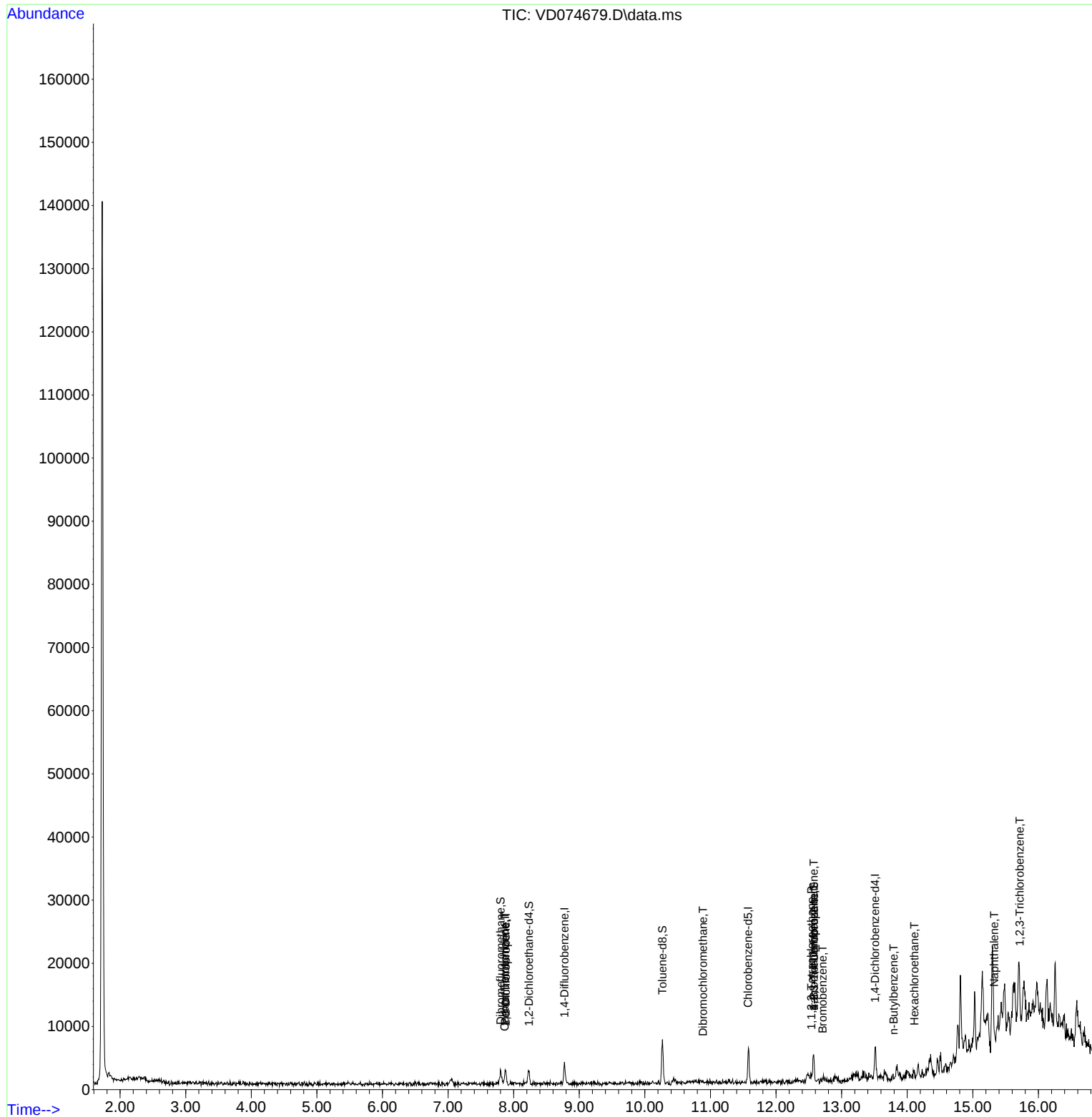
Internal Standards						
1) Pentafluorobenzene	7.869	168	2471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	4174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	4129	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	1816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	1865	89.424	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 178.840%#	
35) Dibromofluoromethane	7.799	113	1645	64.542	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.080%	
50) Toluene-d8	10.269	98	5787	59.041	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.080%	
62) 4-Bromofluorobenzene	12.575	95	2076	77.120	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 154.240%#	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.816	84	254	Below Cal	#	18
36) 1,1-Dichloropropene	7.881	75	73	2.010	ug/l #	39
38) Carbon Tetrachloride	7.863	117	64	1.897	ug/l #	14
60) Dibromochloromethane	10.887	129	54	2.307	ug/l #	10
75) 1,1,2,2-Tetrachloroethane	12.540	83	184	8.543	ug/l #	24
76) 1,2,3-Trichloropropane	12.575	75	828	58.298	ug/l #	1
77) Bromobenzene	12.710	156	416	13.445	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	828	154.288	ug/l #	17
89) n-Butylbenzene	13.792	91	351	3.236	ug/l #	33
90) Hexachloroethane	14.110	117	64	3.133	ug/l #	11
95) Naphthalene	15.328	128	262	4.094	ug/l #	67
96) 1,2,3-Trichlorobenzene	15.716	180	59	1.967	ug/l #	1

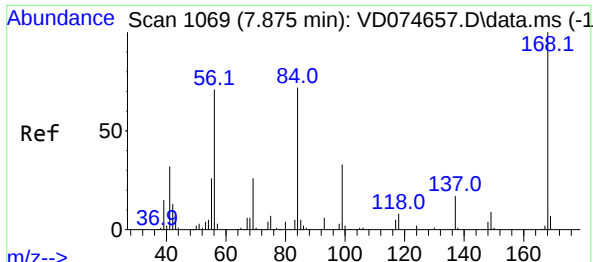
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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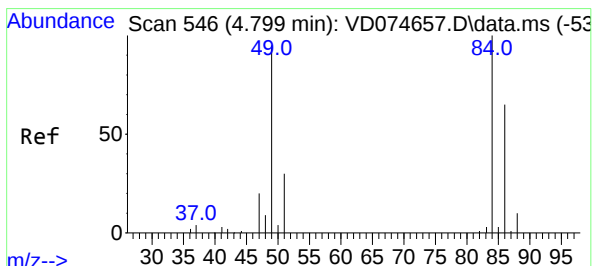
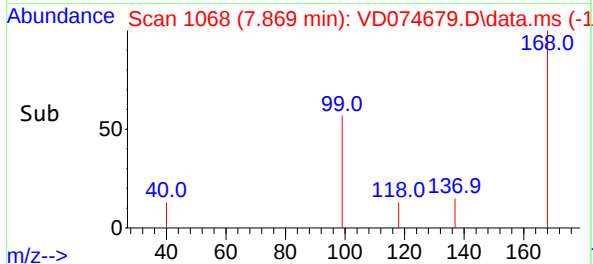
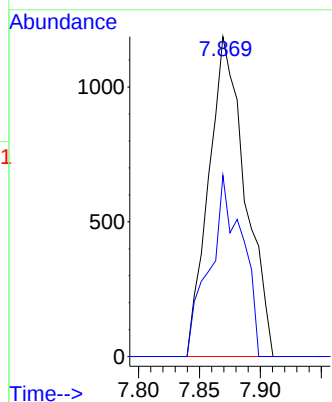
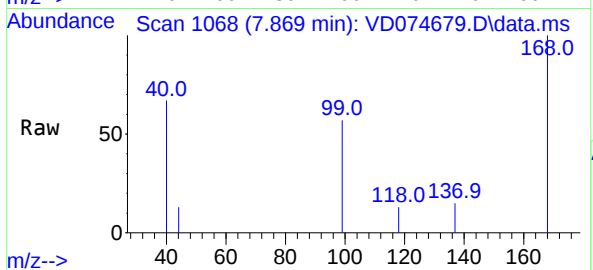




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

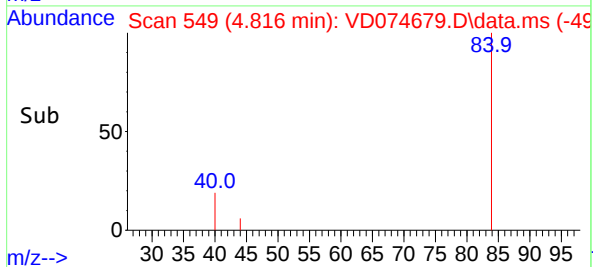
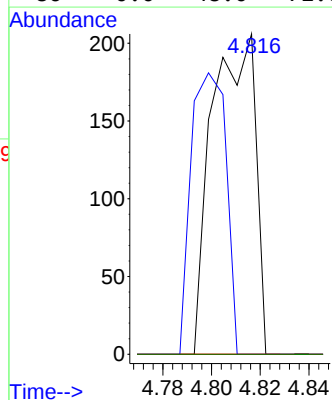
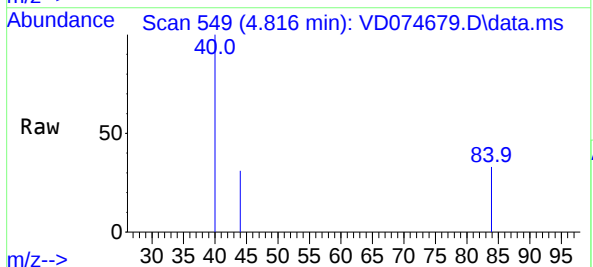
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024RE

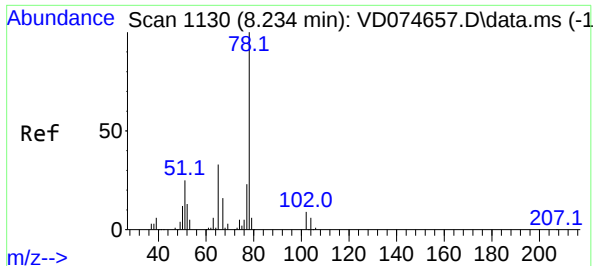
Tgt Ion:168 Resp: 2471
Ion Ratio Lower Upper
168 100
99 56.6 40.9 61.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.017 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Tgt Ion: 84 Resp: 254
Ion Ratio Lower Upper
84 100
49 0.0 68.0 102.0#
51 0.0 23.2 34.8#
86 0.0 48.0 72.0#





#33

1,2-Dichloroethane-d4

Concen: 89.424 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD074679.D

Acq: 28 Oct 2022 18:42

Instrument :

MSVOA_D

ClientSampleId :

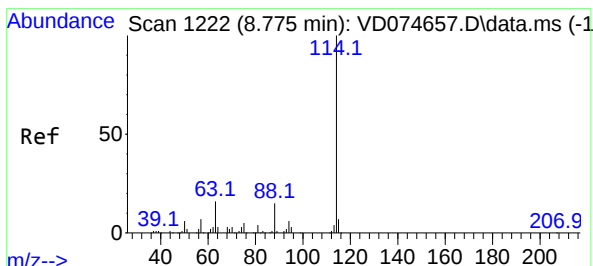
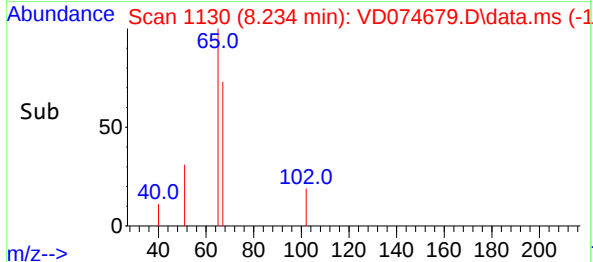
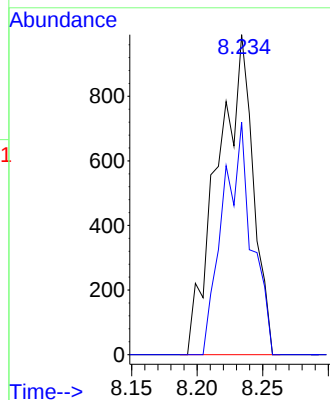
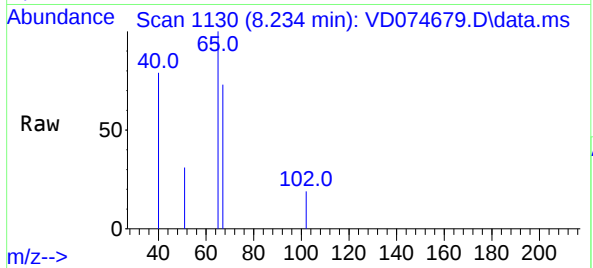
TP4-1024RE

Tgt Ion: 65 Resp: 1865

Ion Ratio Lower Upper

65 100

67 59.2 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074679.D

Acq: 28 Oct 2022 18:42

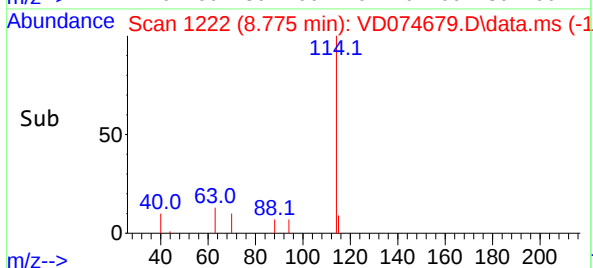
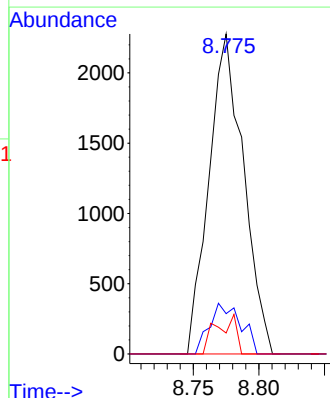
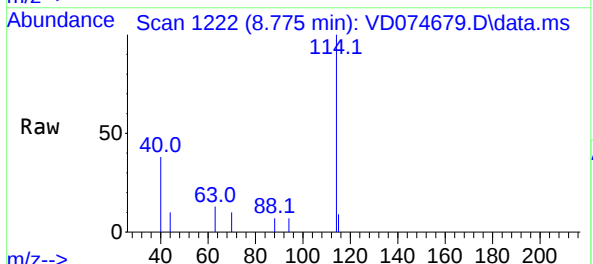
Tgt Ion: 114 Resp: 4174

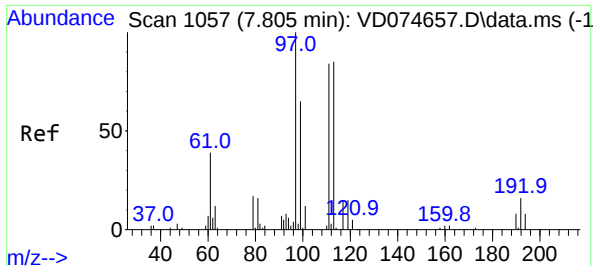
Ion Ratio Lower Upper

114 100

63 12.6 0.0 33.2

88 6.6 0.0 28.2

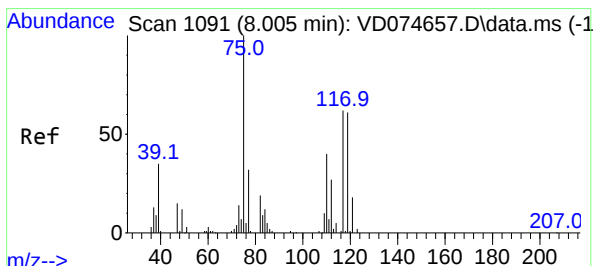
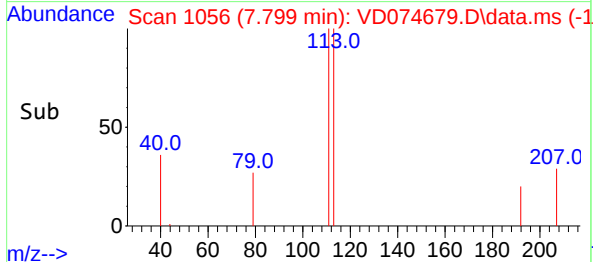
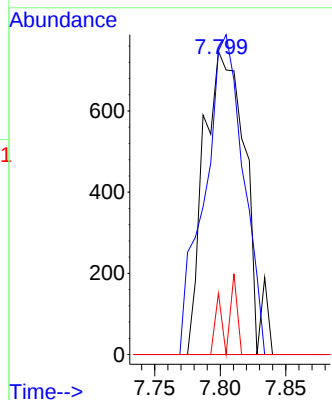
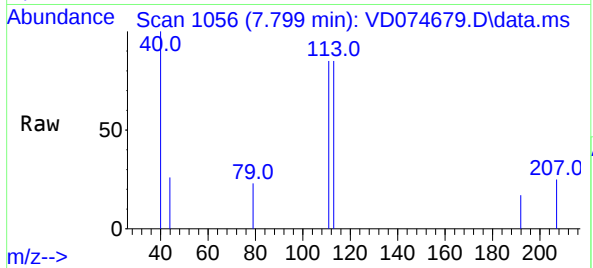




#35
Dibromofluoromethane
Concen: 64.542 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

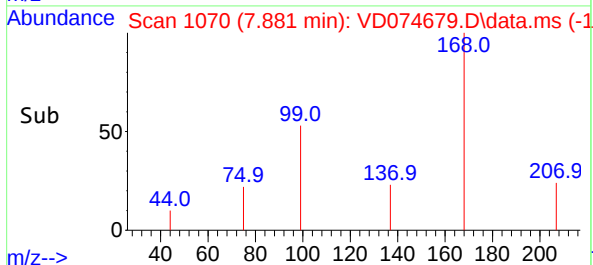
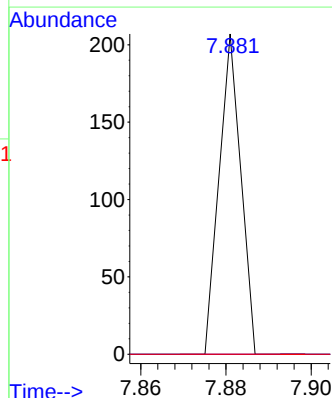
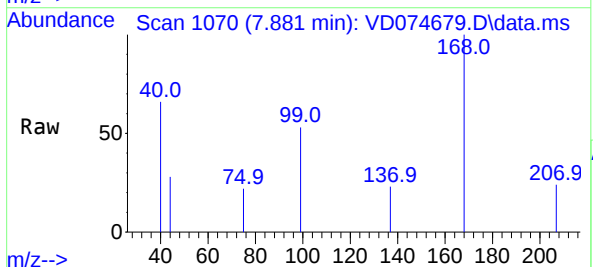
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024RE

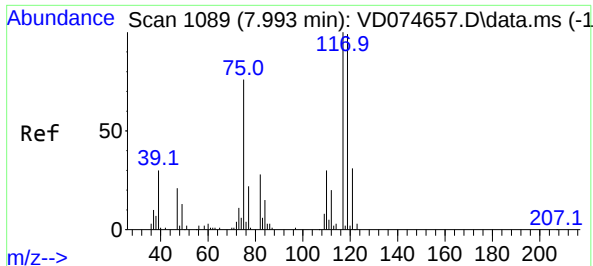
Tgt Ion:113 Resp: 1645
Ion Ratio Lower Upper
113 100
111 98.8 82.3 123.5
192 3.2 16.4 24.6#



#36
1,1-Dichloropropene
Concen: 2.010 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Tgt Ion: 75 Resp: 73
Ion Ratio Lower Upper
75 100
110 0.0 19.7 59.0#
77 0.0 25.4 38.2#

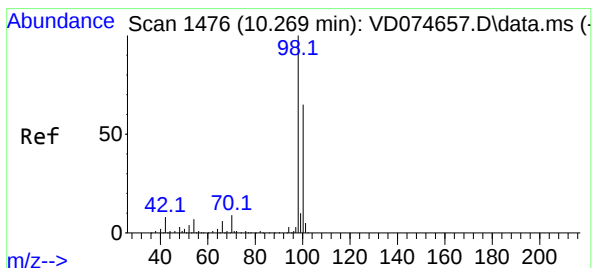
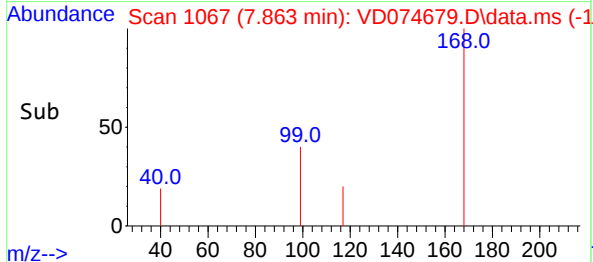
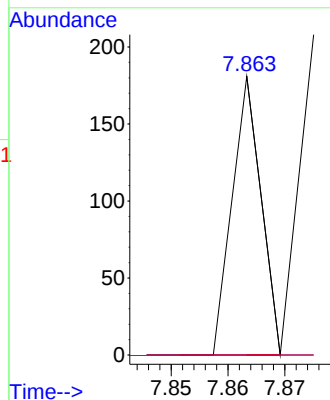
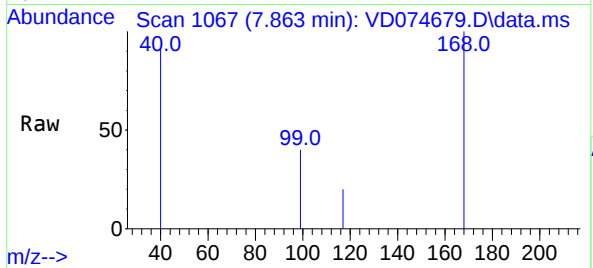




#38
Carbon Tetrachloride
Concen: 1.897 ug/l
RT: 7.863 min Scan# 1089
Delta R.T. -0.130 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

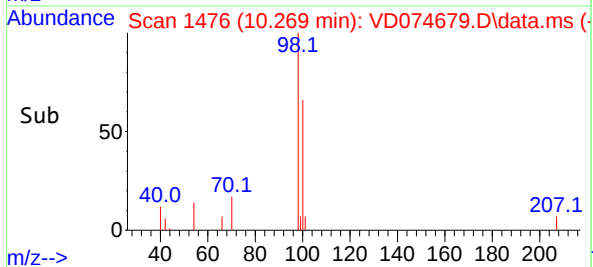
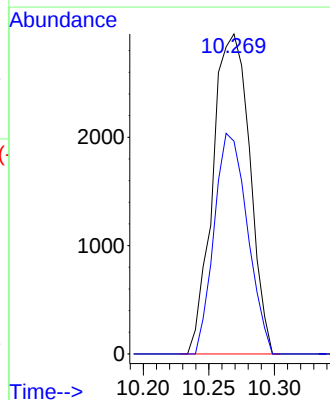
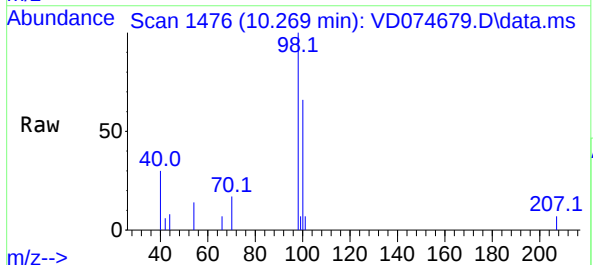
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024RE

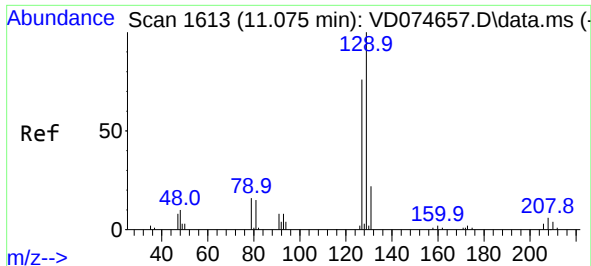
Tgt Ion:117 Resp: 64
Ion Ratio Lower Upper
117 100
119 0.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 59.041 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Tgt Ion: 98 Resp: 5787
Ion Ratio Lower Upper
98 100
100 62.1 51.4 77.0

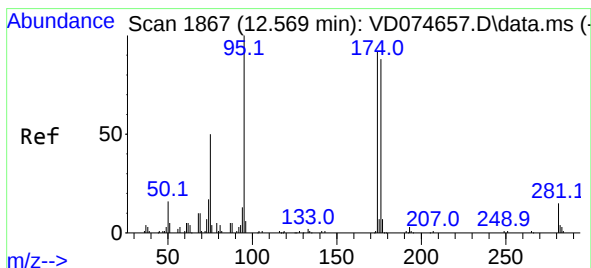
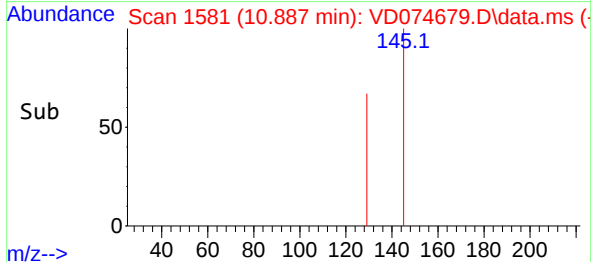
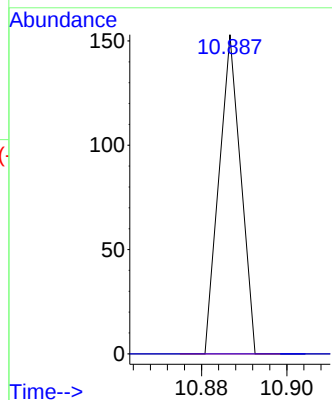
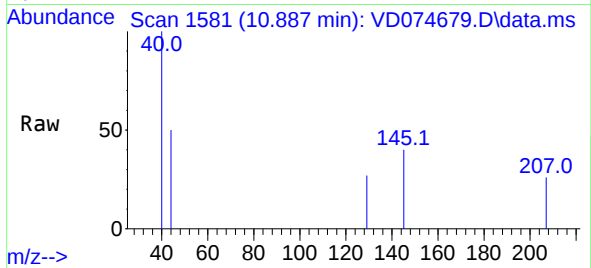




#60
Dibromochloromethane
Concen: 2.307 ug/l
RT: 10.887 min Scan# 11
Delta R.T. -0.188 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

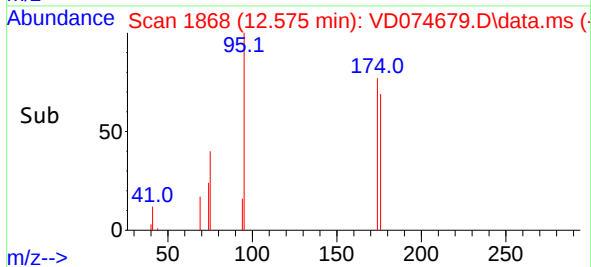
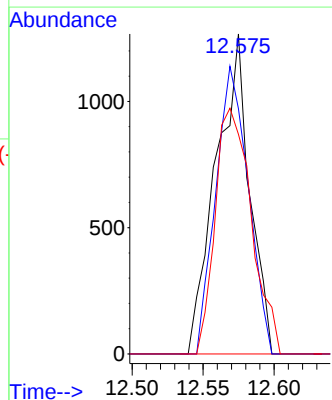
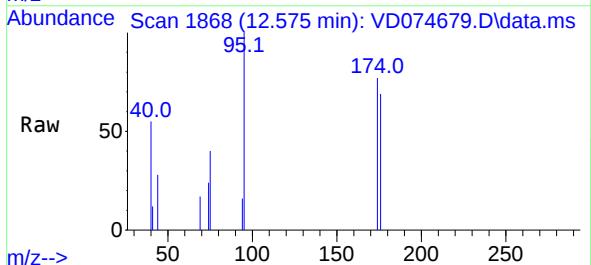
Instrument :
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TP4-1024RE

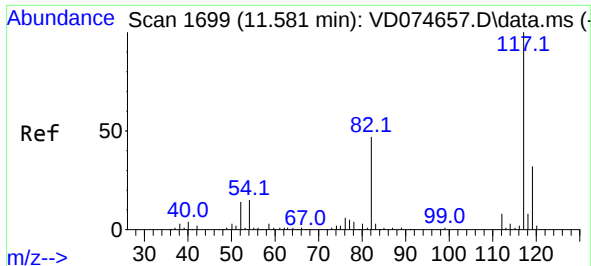
Tgt Ion:129 Resp: 54
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 77.120 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Tgt Ion: 95 Resp: 2076
Ion Ratio Lower Upper
95 100
174 87.5 0.0 197.0
176 83.3 0.0 182.6

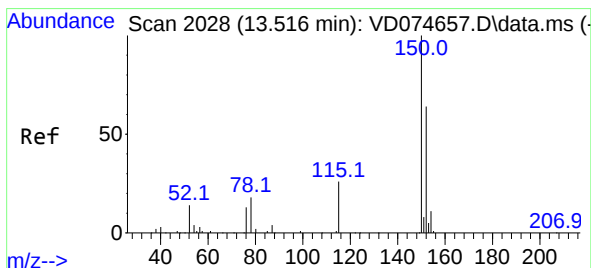
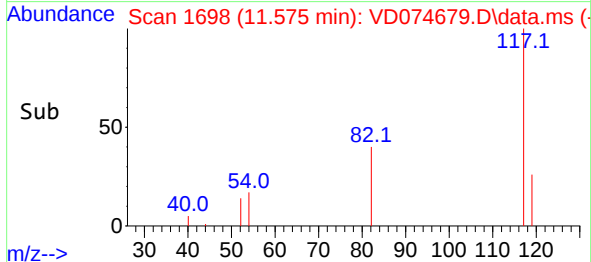
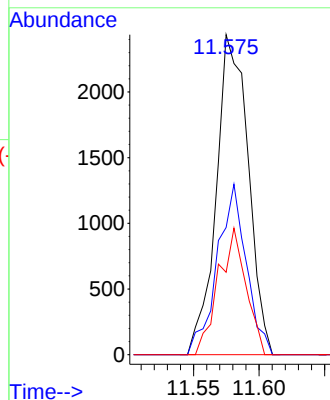
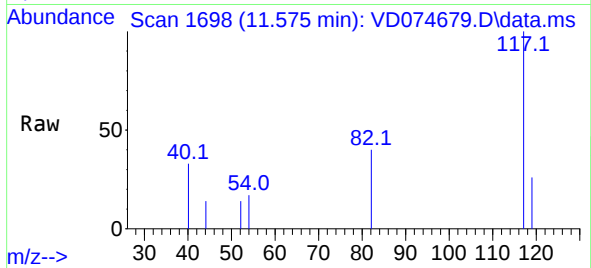




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

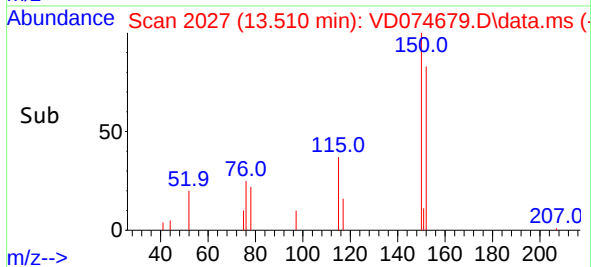
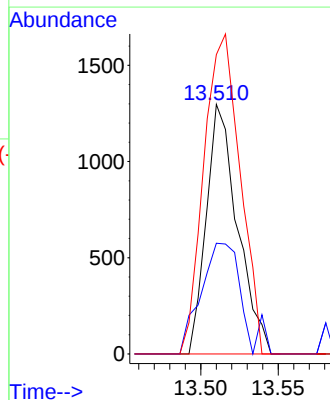
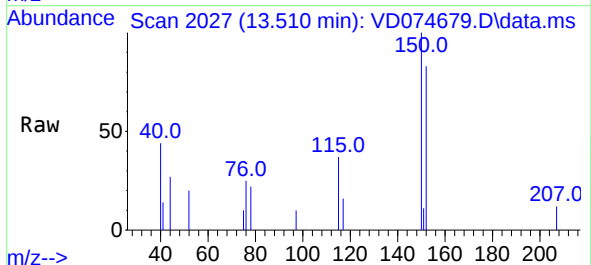
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024RE

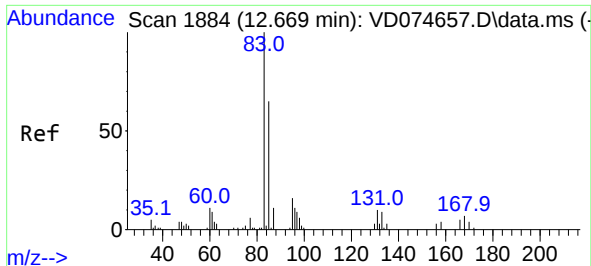
Tgt Ion:117 Resp: 4129
Ion Ratio Lower Upper
117 100
82 39.8 41.6 62.4#
119 25.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. -0.006 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Tgt Ion:152 Resp: 1816
Ion Ratio Lower Upper
152 100
115 57.8 26.8 80.4
150 149.0 0.0 348.2

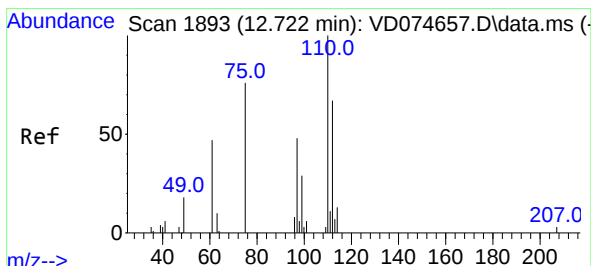
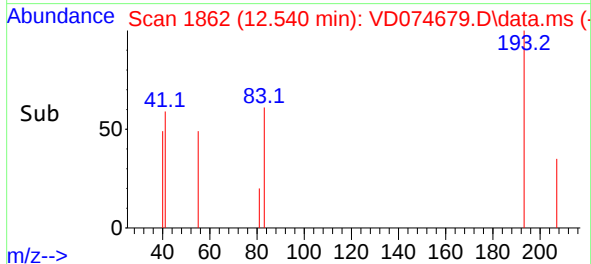
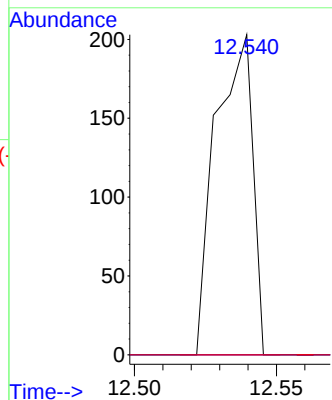
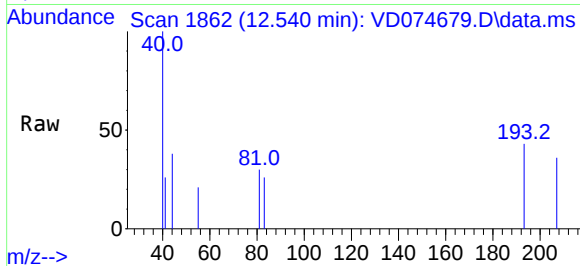




#75
1,1,2,2-Tetrachloroethane
Concen: 8.543 ug/l
RT: 12.540 min Scan# 1862
Delta R.T. -0.129 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

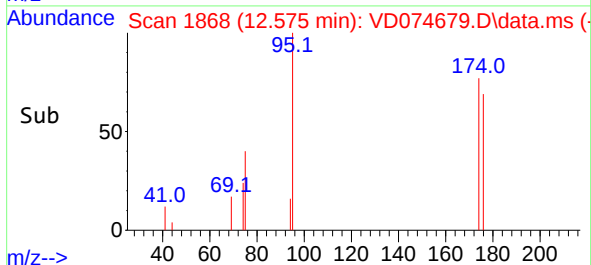
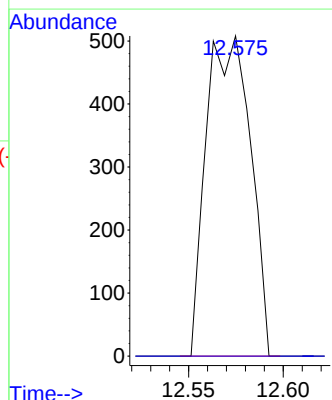
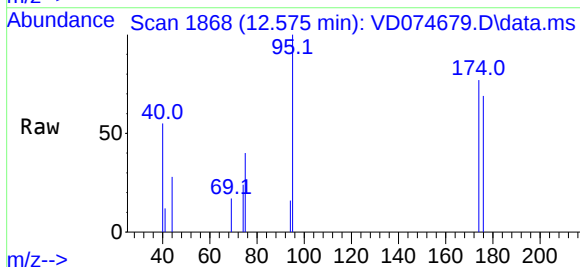
Instrument :
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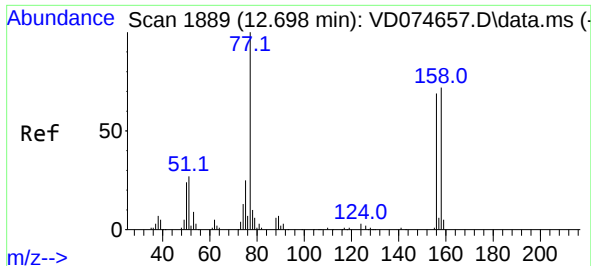
Tgt Ion: 83 Resp: 184
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 0.0 33.1 99.2#



#76
1,2,3-Trichloropropane
Concen: 58.298 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Tgt Ion: 75 Resp: 828
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#

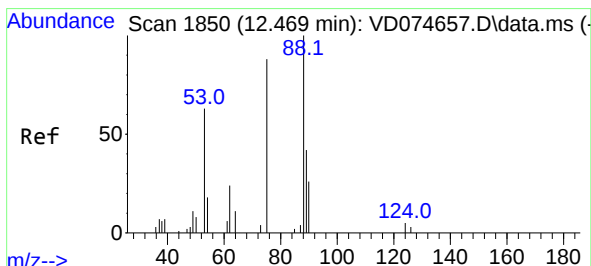
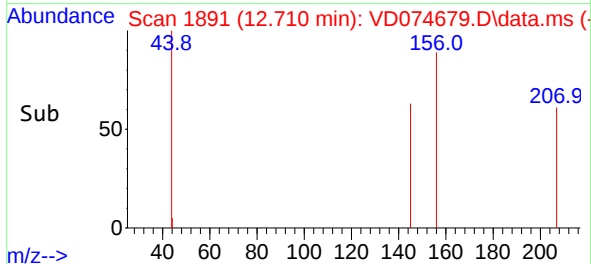
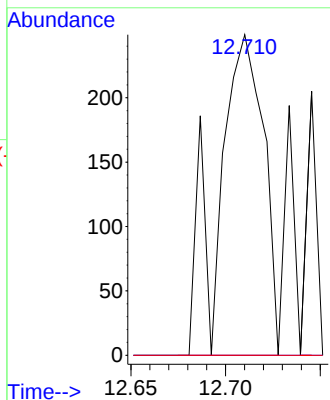
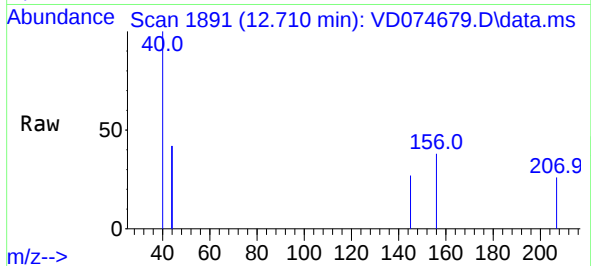




#77
Bromobenzene
Concen: 13.445 ug/l
RT: 12.710 min Scan# 1891
Delta R.T. 0.012 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

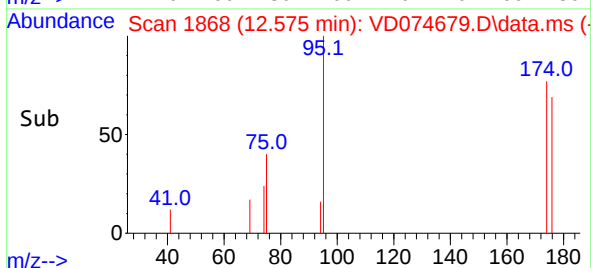
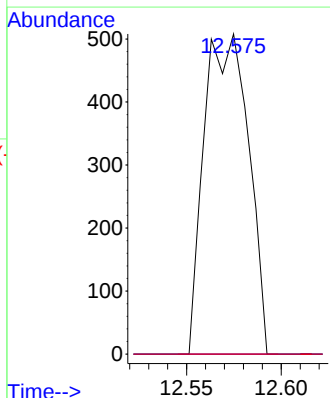
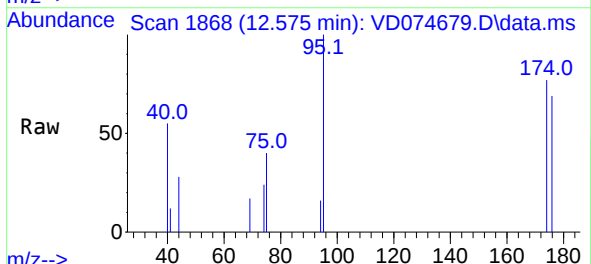
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024RE

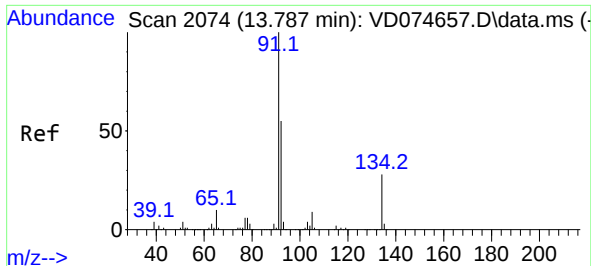
Tgt Ion:156 Resp: 416
Ion Ratio Lower Upper
156 100
77 0.0 77.7 233.1#
158 0.0 49.4 148.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.288 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Tgt Ion: 75 Resp: 828
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

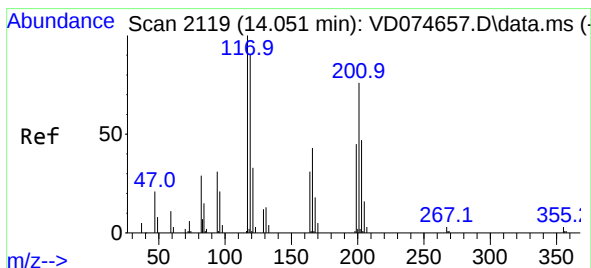
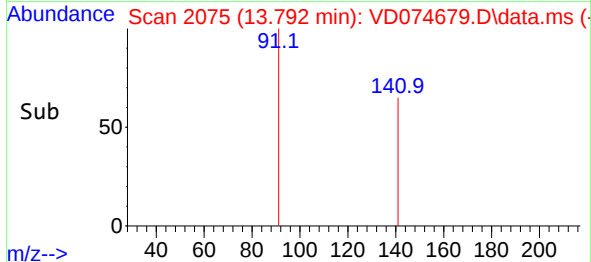
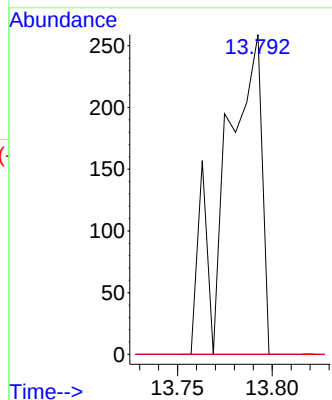
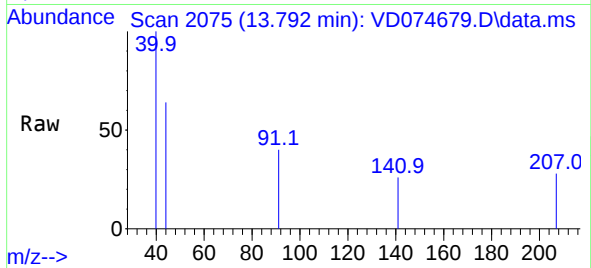




#89
n-Butylbenzene
Concen: 3.236 ug/l
RT: 13.792 min Scan# 2075
Delta R.T. 0.005 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

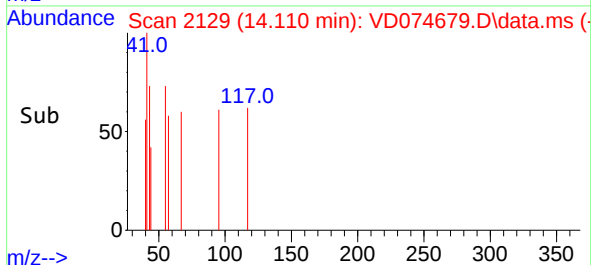
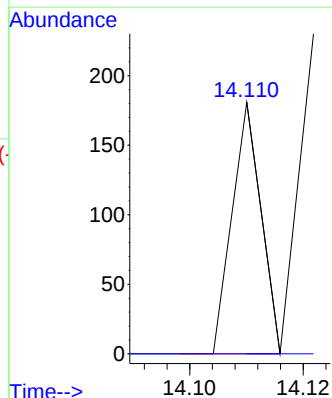
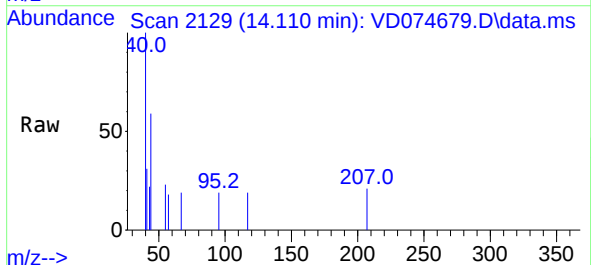
Instrument :
MSVOA_D
ClientSampleId :
TP4-1024RE

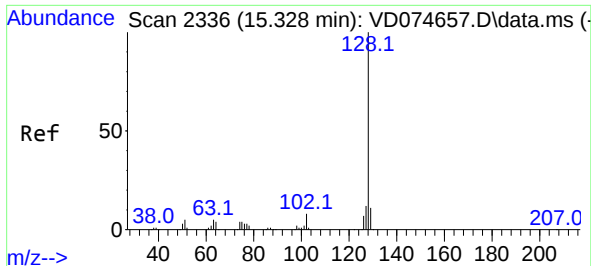
Tgt Ion: 91 Resp: 351
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.7#
134 0.0 13.4 40.2#



#90
Hexachloroethane
Concen: 3.133 ug/l
RT: 14.110 min Scan# 2129
Delta R.T. 0.059 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Tgt Ion: 117 Resp: 64
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.0#

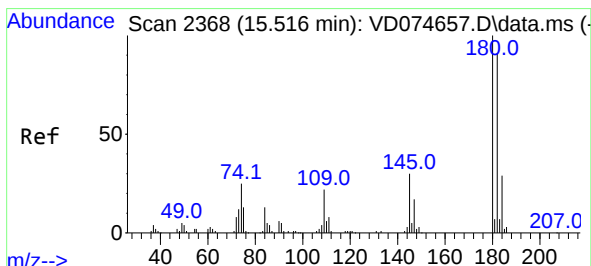
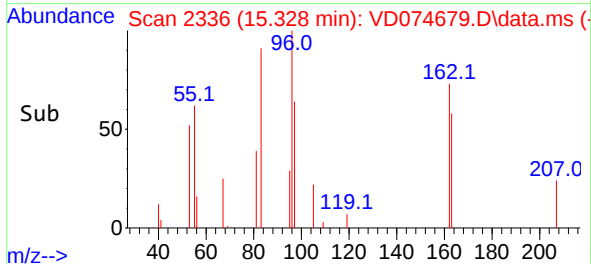
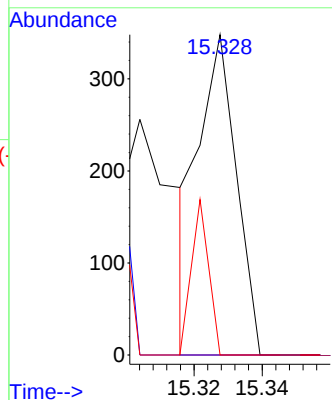
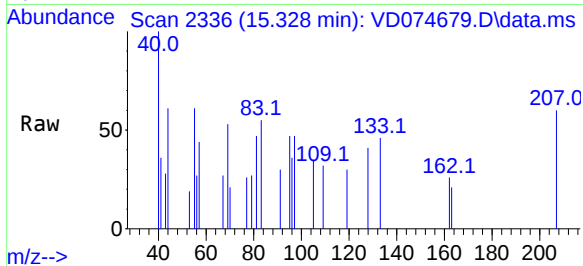




#95
Naphthalene
Concen: 4.094 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Instrument :
MSVOA_D
ClientSampleId :
TP4-1024RE

Tgt Ion:128 Resp: 262
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 22.9 8.3 12.5#



#96
1,2,3-Trichlorobenzene
Concen: 1.967 ug/l
RT: 15.716 min Scan# 2402
Delta R.T. 0.200 min
Lab File: VD074679.D
Acq: 28 Oct 2022 18:42

Tgt Ion:180 Resp: 59
Ion Ratio Lower Upper
180 100
182 0.0 46.7 140.1#
145 1191.5 14.9 44.7#

