

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073196.D
 Acq On : 20 May 2022 21:18
 Operator : VA/SY
 Sample : N2942-03
 Misc : 4.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RATZER-RD-SP-1-2

Quant Time: May 21 00:17:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

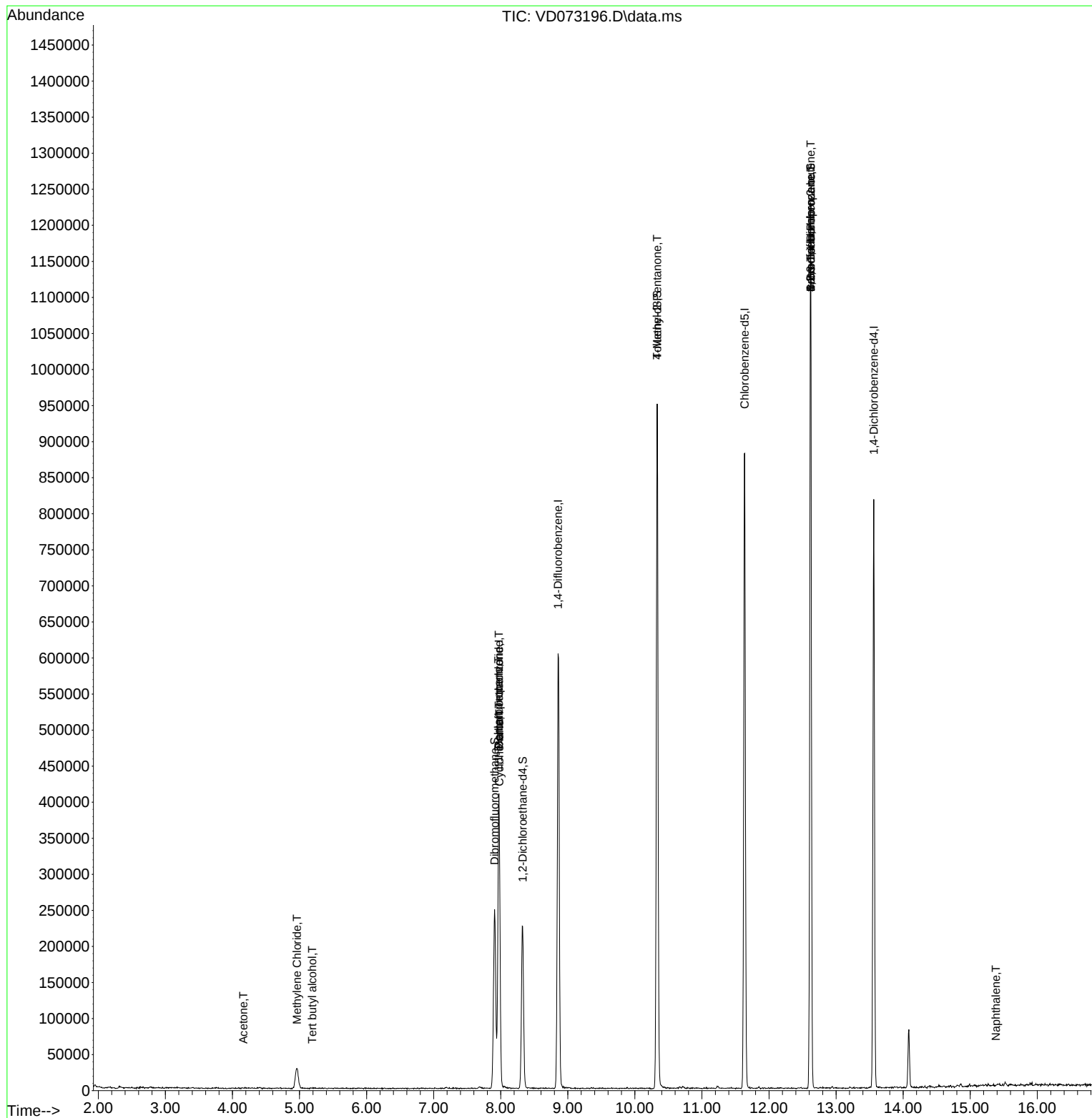
Internal Standards						
1) Pentafluorobenzene	7.973	168	286001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	515425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	518893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	212577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	178136	56.359	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.720%			
35) Dibromofluoromethane	7.909	113	182946	53.790	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.580%			
50) Toluene-d8	10.332	98	636155	50.741	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.620	95	238297	54.160	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.320%			
Target Compounds			Qvalue			
5) Bromomethane	2.774	94	937	Below Cal		94
11) Tert butyl alcohol	5.191	59	791	1.613 ug/l #		74
16) Acetone	4.162	43	1187	2.168 ug/l #		60
20) Methylene Chloride	4.962	84	23100	2.890 ug/l #		80
31) Cyclohexane	7.979	56	7556	1.368 ug/l #		1
36) 1,1-Dichloropropene	7.967	75	24036	4.699 ug/l #		51
38) Carbon Tetrachloride	7.973	117	31638	6.102 ug/l #		17
51) 4-Methyl-2-Pentanone	10.332	43	2838	1.463 ug/l #		1
71) Bromoform	12.620	173	2138	1.052 ug/l #		1
76) 1,2,3-Trichloropropane	12.620	75	123856	59.382 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	123856	142.558 ug/l #		8
95) Naphthalene	15.385	128	351	3.588 ug/l #		70

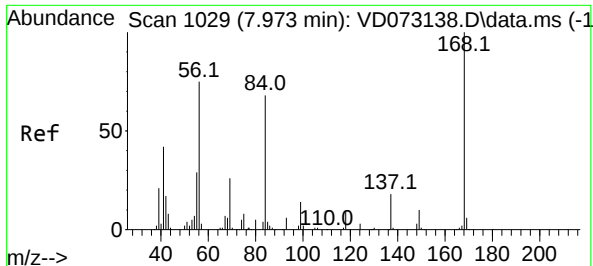
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RATZER-RD-SP-1-2

Quant Time: May 21 00:17:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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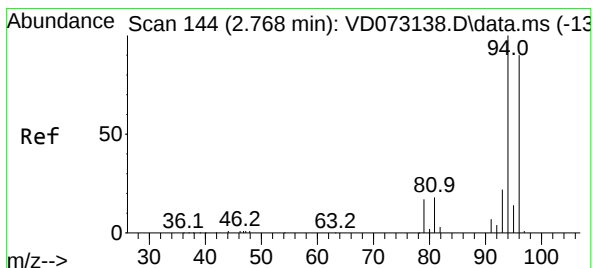
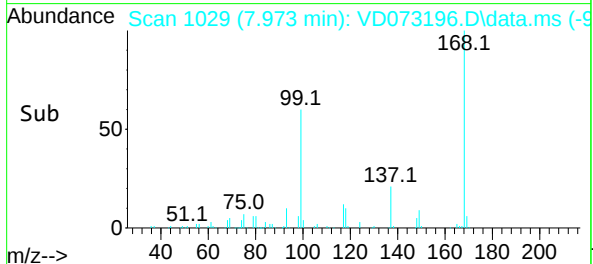
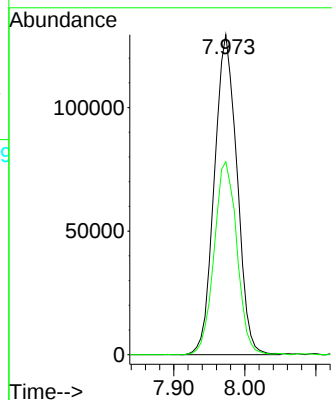
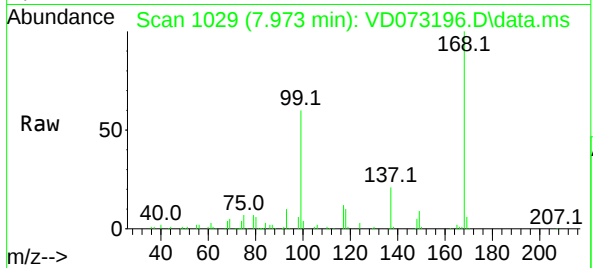




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

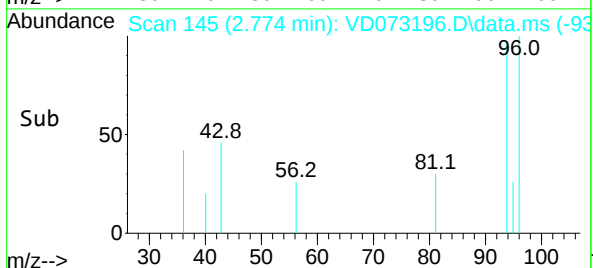
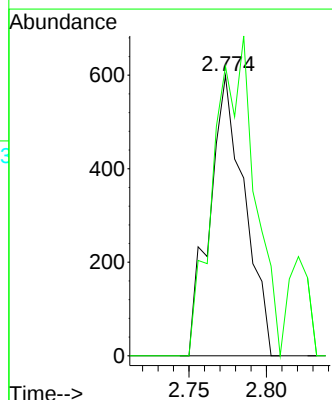
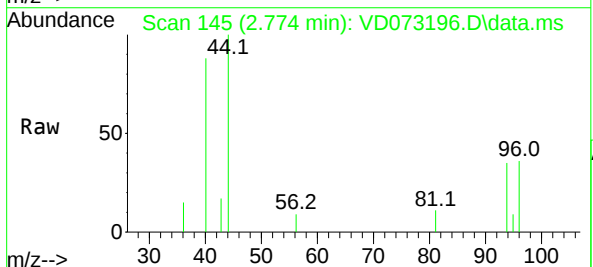
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-2

Tgt Ion:168 Resp: 286001
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Tgt Ion: 94 Resp: 937
Ion Ratio Lower Upper
94 100
96 103.3 77.6 116.4

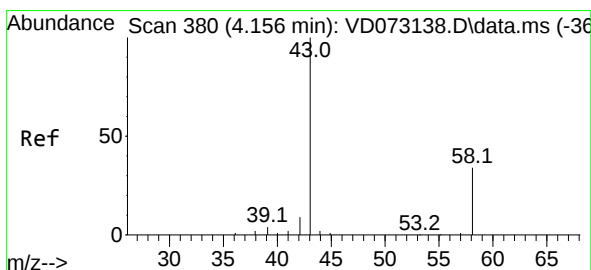
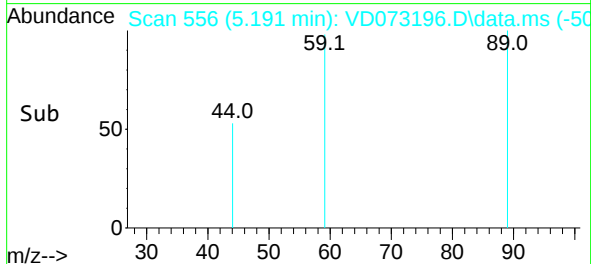
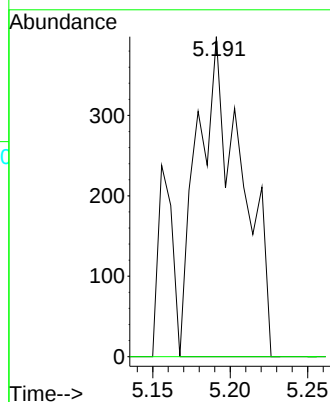
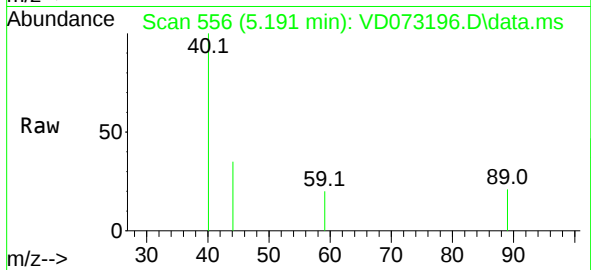




#11
Tert butyl alcohol
Concen: 1.613 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

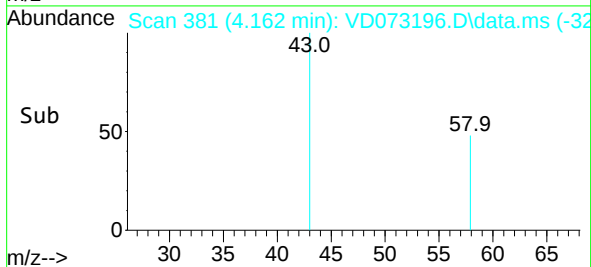
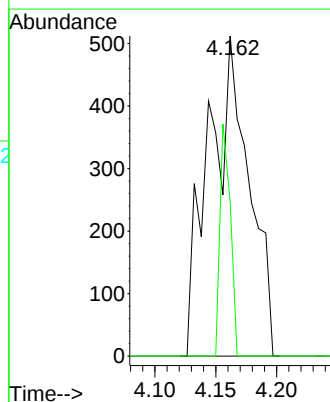
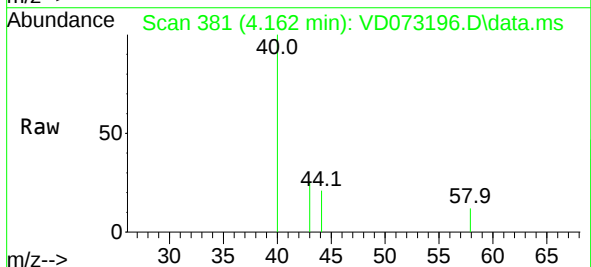
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-2

Tgt Ion: 59 Resp: 791
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.168 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Tgt Ion: 43 Resp: 1187
Ion Ratio Lower Upper
43 100
58 48.4 22.1 33.1#

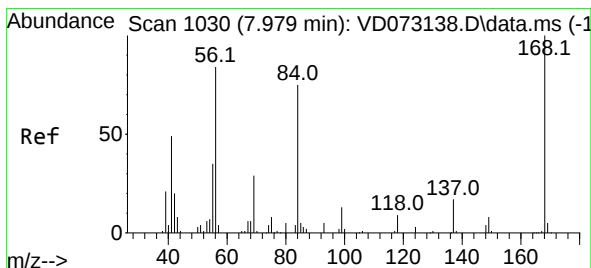
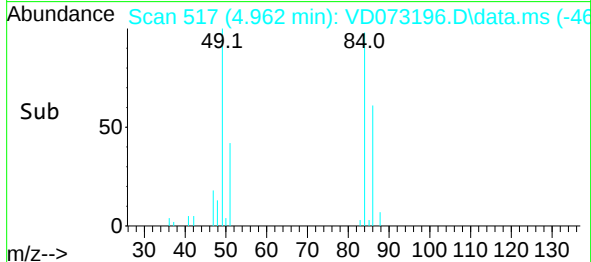
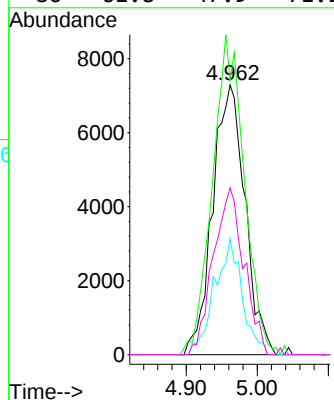
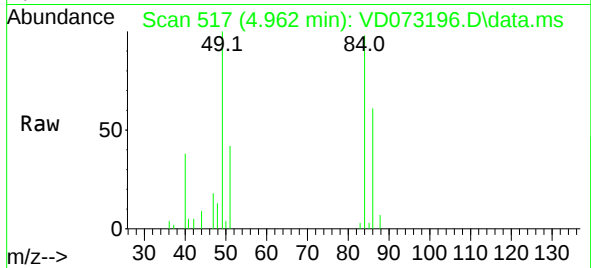




#20
Methylene Chloride
Concen: 2.890 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

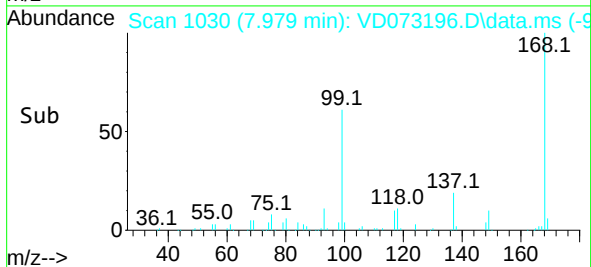
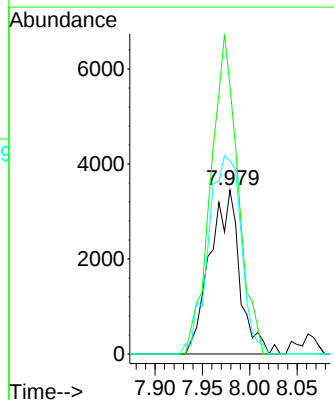
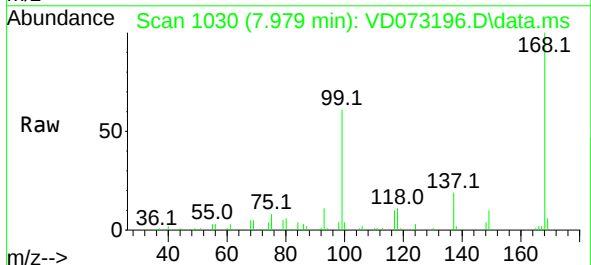
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-2

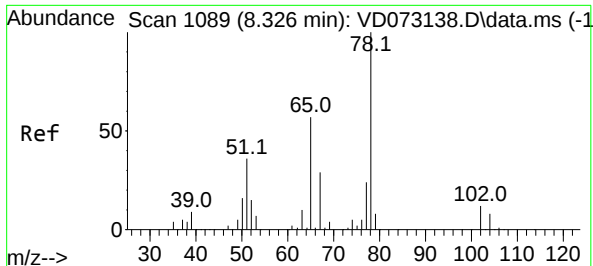
Tgt Ion:	84	Resp:	23100
Ion	Ratio	Lower	Upper
84	100		
49	101.9	112.8	169.2#
51	43.0	32.6	48.8
86	61.8	47.9	71.9



#31
Cyclohexane
Concen: 1.368 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Tgt Ion:	56	Resp:	7556
Ion	Ratio	Lower	Upper
56	100		
69	163.5	25.4	38.2#
84	117.9	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 56.359 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073196.D

Acq: 20 May 2022 21:18

Instrument :

MSVOA_D

ClientSampleId :

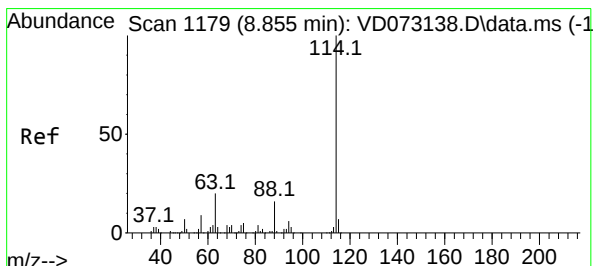
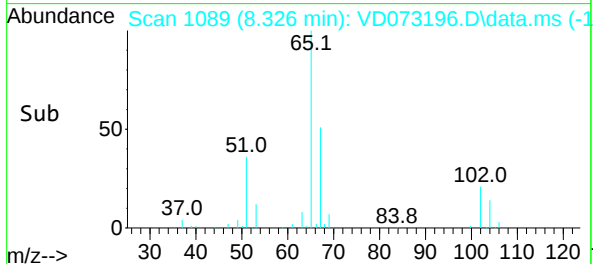
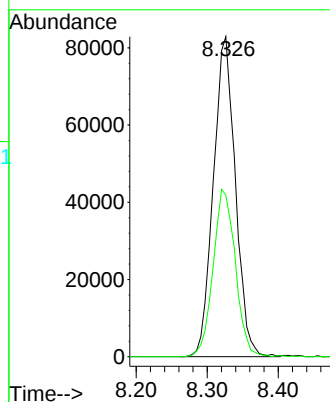
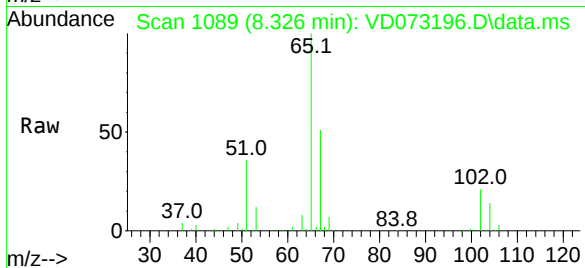
RATZER-RD-SP-1-2

Tgt Ion: 65 Resp: 178136

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073196.D

Acq: 20 May 2022 21:18

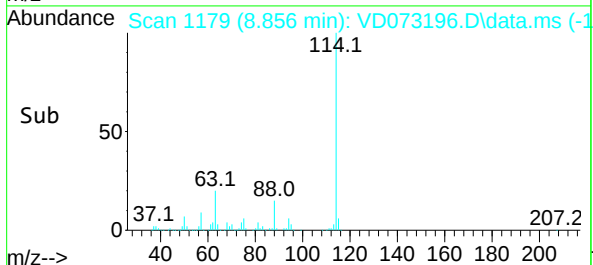
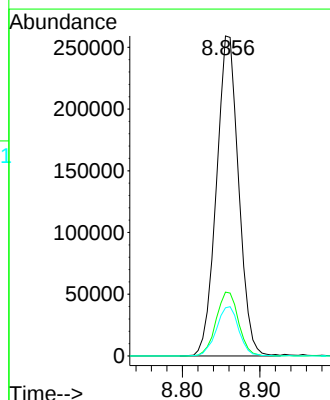
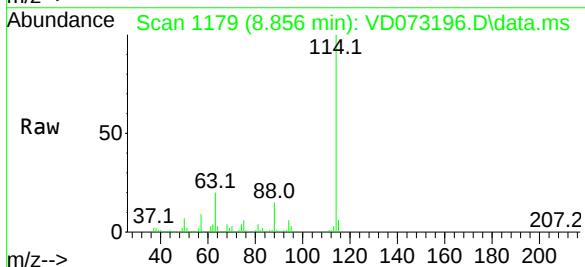
Tgt Ion: 114 Resp: 515425

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.790 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073196.D

Acq: 20 May 2022 21:18

Instrument :

MSVOA_D

ClientSampleId :

RATZER-RD-SP-1-2

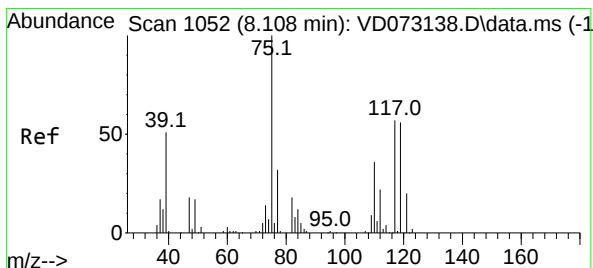
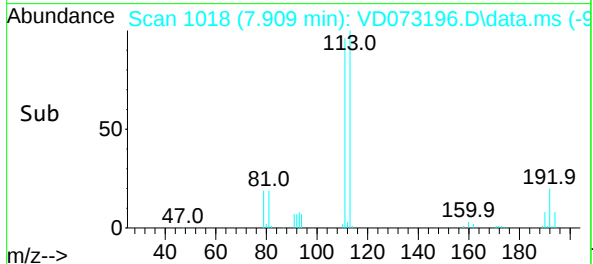
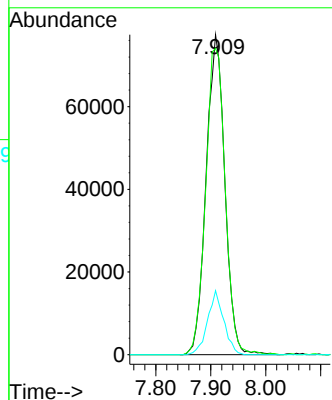
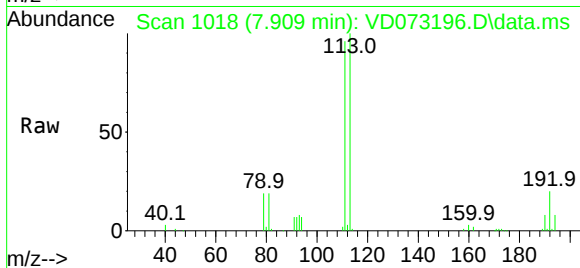
Tgt Ion:113 Resp: 182946

Ion Ratio Lower Upper

113 100

111 100.3 83.8 125.6

192 17.3 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.699 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073196.D

Acq: 20 May 2022 21:18

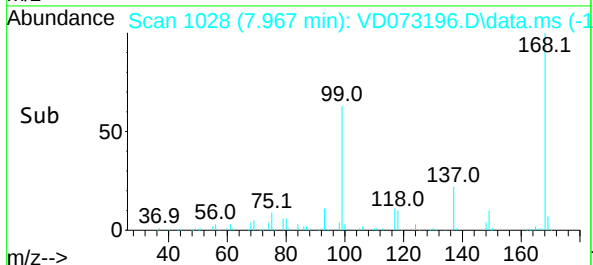
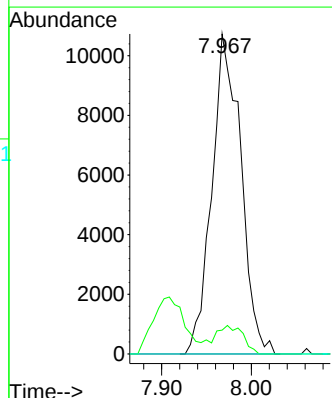
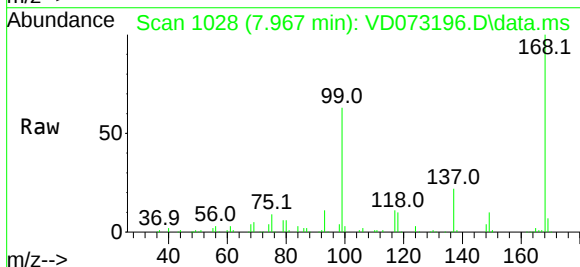
Tgt Ion: 75 Resp: 24036

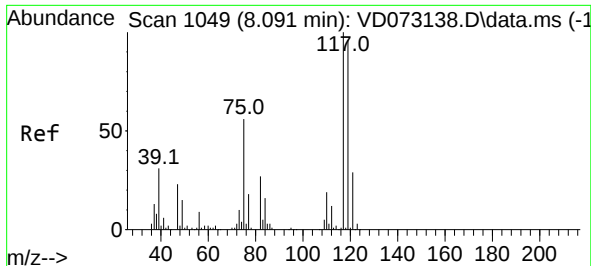
Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.1#

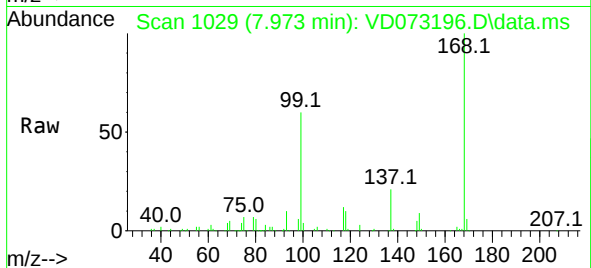
77 0.0 24.2 36.2#



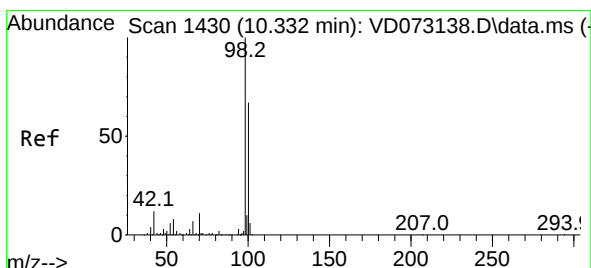
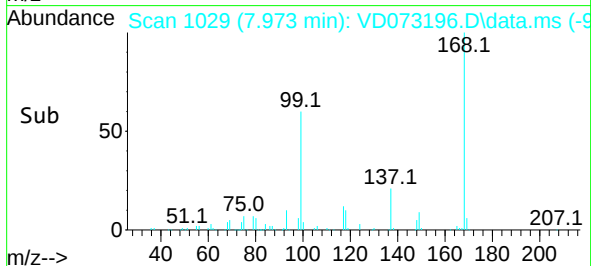
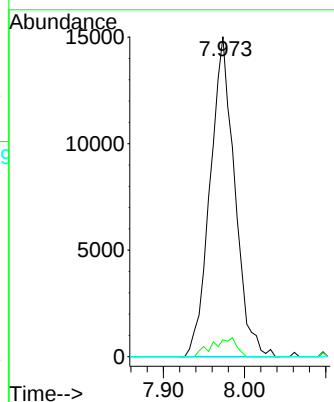


#38
Carbon Tetrachloride
Concen: 6.102 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-2

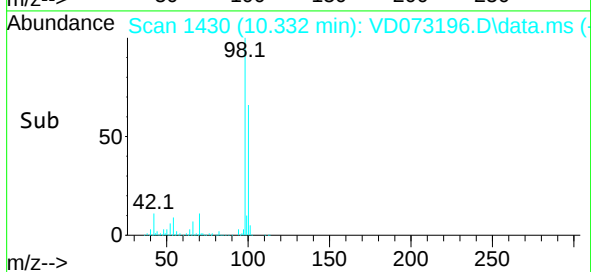
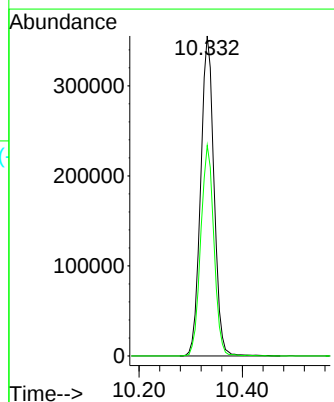
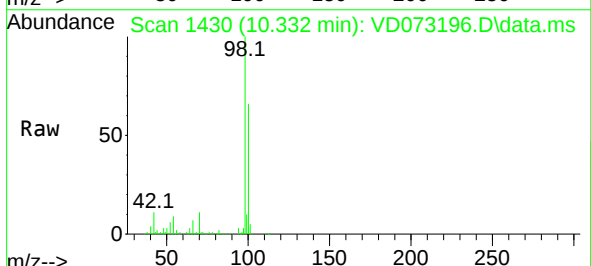


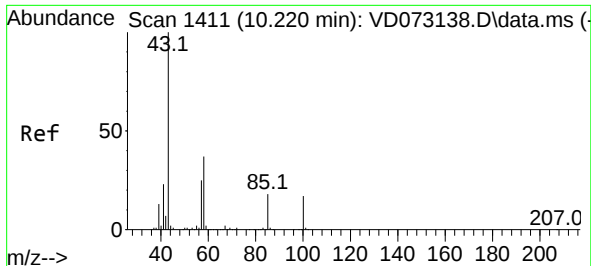
Tgt Ion:117 Resp: 31638
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.741 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Tgt Ion: 98 Resp: 636155
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.463 ug/l

RT: 10.332 min Scan# 1411

Delta R.T. 0.112 min

Lab File: VD073196.D

Acq: 20 May 2022 21:18

Instrument :

MSVOA_D

ClientSampleId :

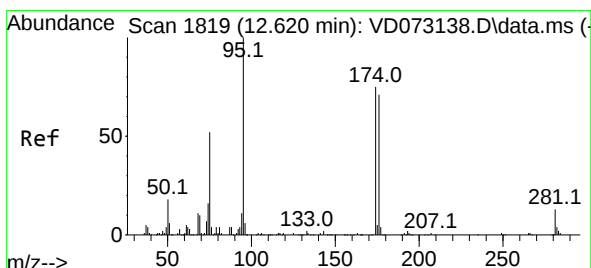
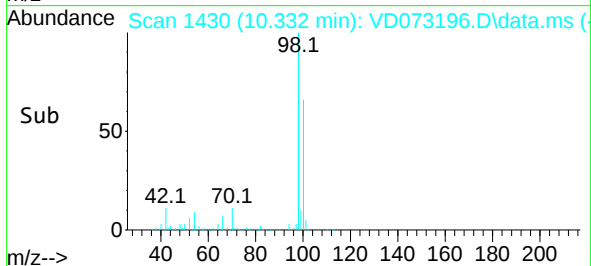
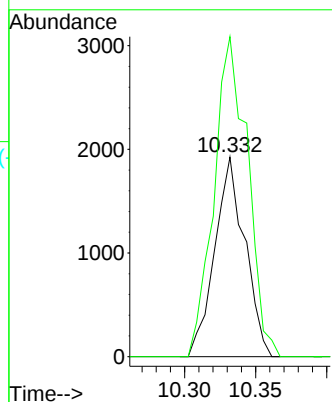
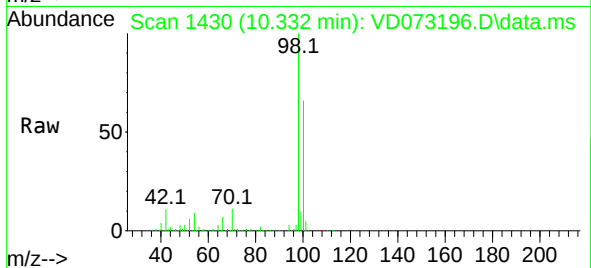
RATZER-RD-SP-1-2

Tgt Ion: 43 Resp: 2838

Ion Ratio Lower Upper

43 100

58 178.6 28.6 43.0#



#62

4-Bromofluorobenzene

Concen: 54.160 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073196.D

Acq: 20 May 2022 21:18

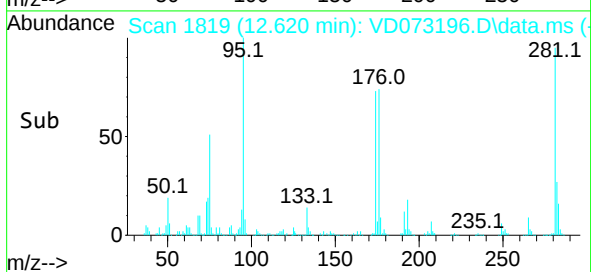
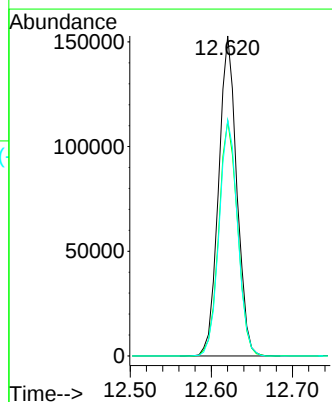
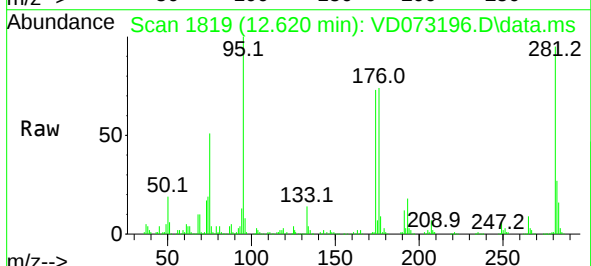
Tgt Ion: 95 Resp: 238297

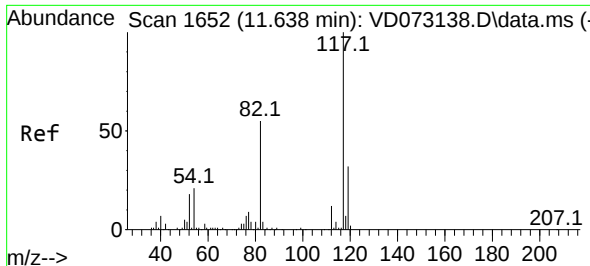
Ion Ratio Lower Upper

95 100

174 75.5 0.0 152.8

176 74.8 0.0 145.4

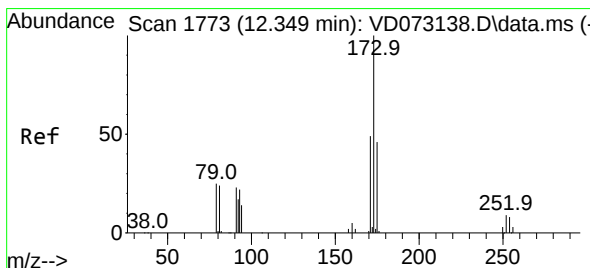
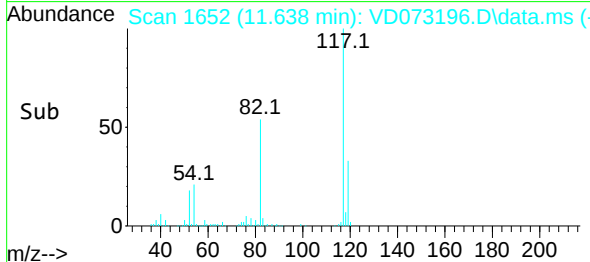
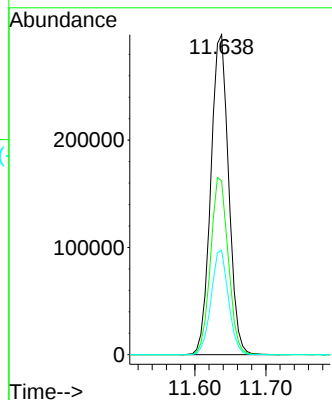
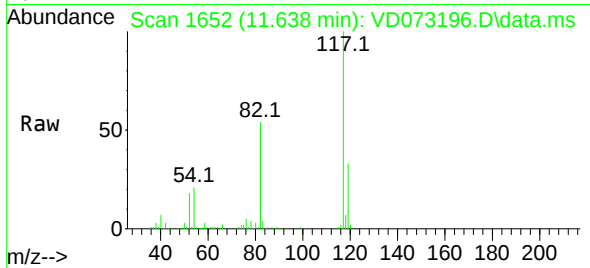




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

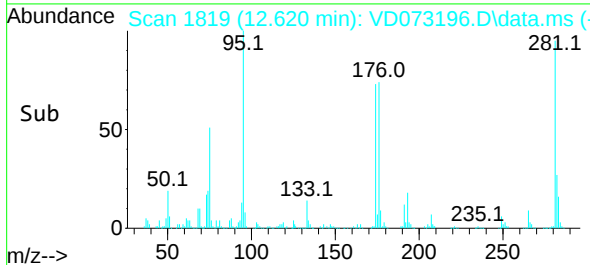
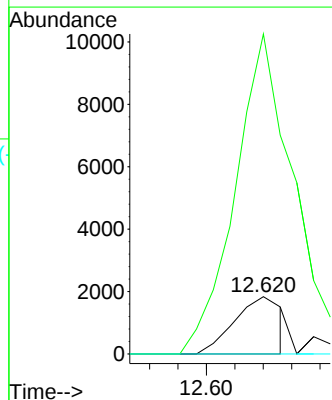
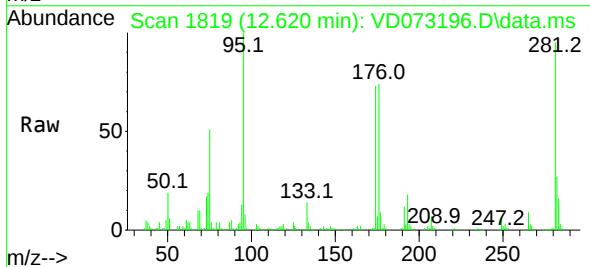
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-2

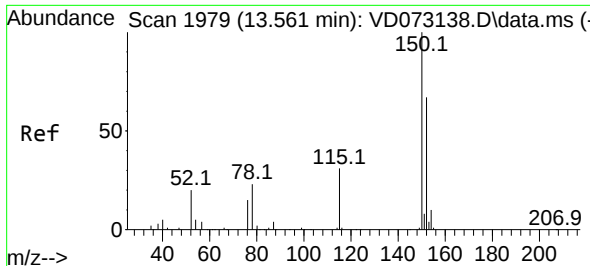
Tgt Ion:117 Resp: 518893
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 32.7 26.6 40.0



#71
Bromoform
Concen: 1.052 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Tgt Ion:173 Resp: 2138
Ion Ratio Lower Upper
173 100
175 527.9 23.9 71.8#
254 0.0 0.0 0.0

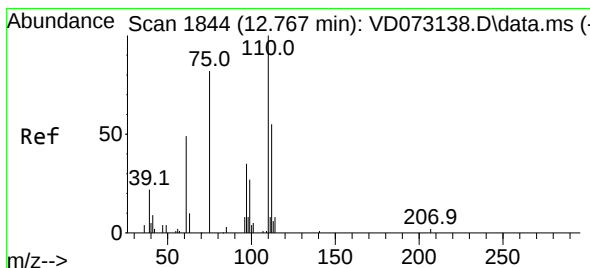
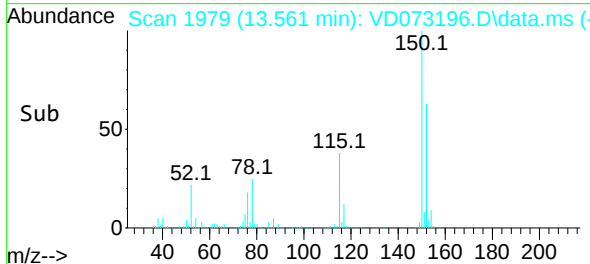
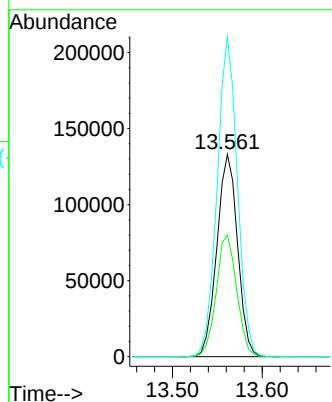
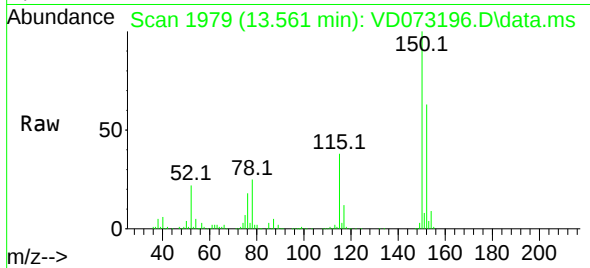




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073196.D
 Acq: 20 May 2022 21:18

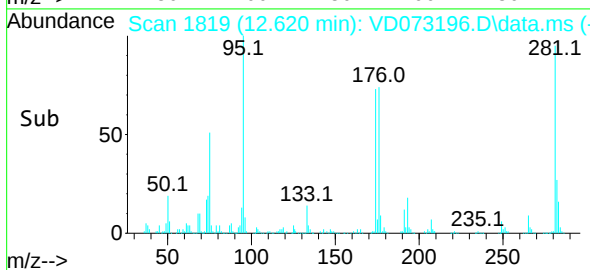
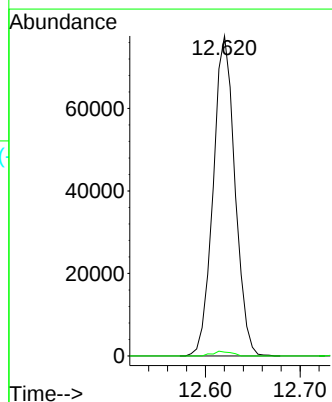
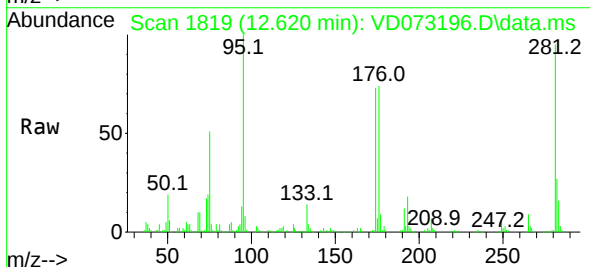
Instrument :
 MSVOA_D
 ClientSampleId :
 RATZER-RD-SP-1-2

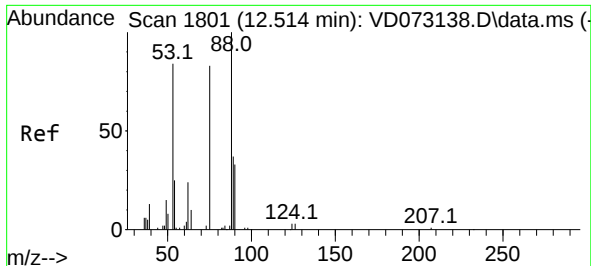
Tgt Ion:152 Resp: 212577
 Ion Ratio Lower Upper
 152 100
 115 59.7 31.3 93.8
 150 154.8 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 59.382 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073196.D
 Acq: 20 May 2022 21:18

Tgt Ion: 75 Resp: 123856
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

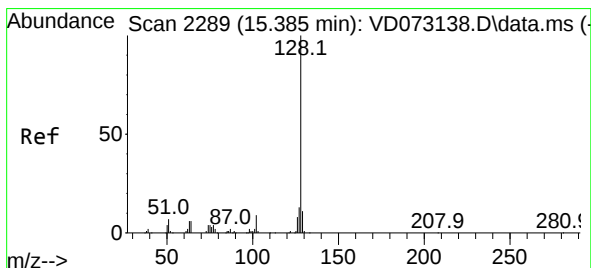
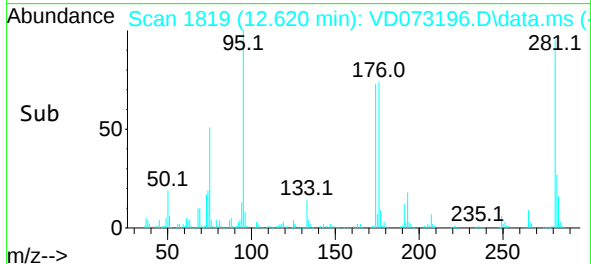
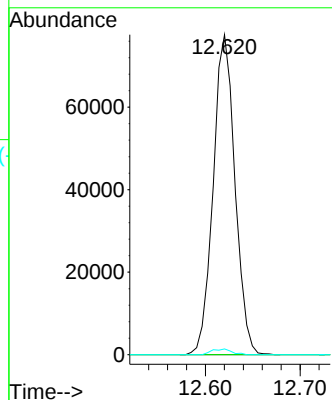
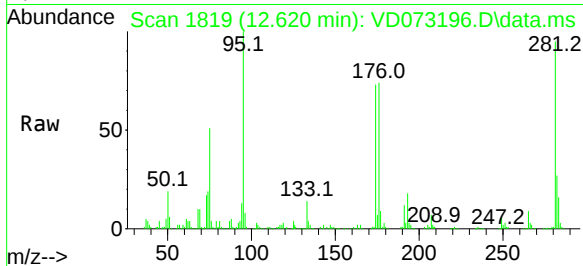




#81
trans-1,4-Dichloro-2-butene
Concen: 142.558 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-2

Tgt Ion: 75 Resp: 123856
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 1.6 33.9 50.9#



#95
Naphthalene
Concen: 3.588 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Tgt Ion: 128 Resp: 351
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

