

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073195.D
 Acq On : 20 May 2022 20:49
 Operator : VA/SY
 Sample : N2942-02
 Misc : 5.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 21 00:17:09 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)

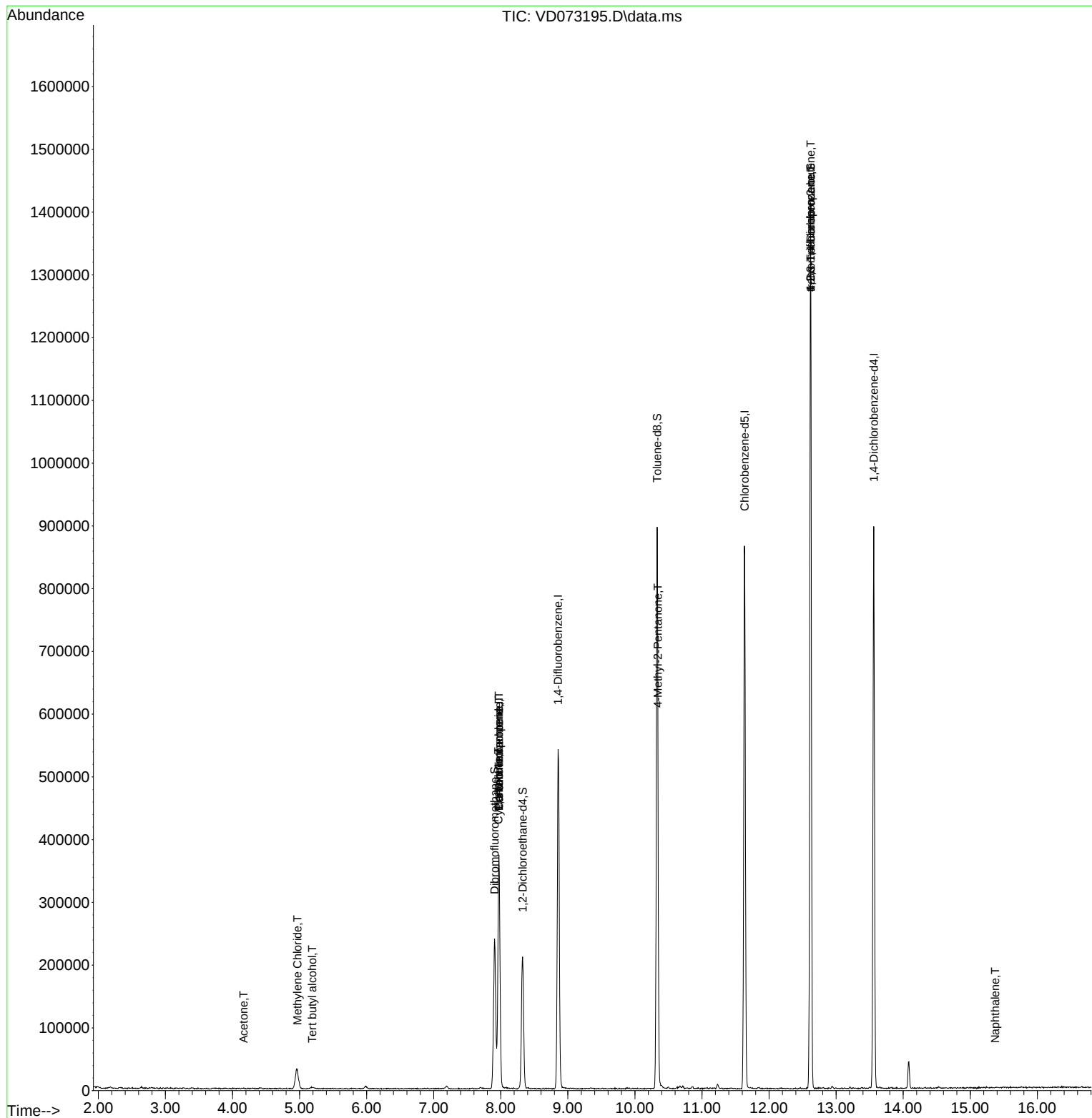
Internal Standards						
1) Pentafluorobenzene	7.973	168	258060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	469453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	504606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	230513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	169205	59.330	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.660%			
35) Dibromofluoromethane	7.908	113	169632	54.760	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.520%			
50) Toluene-d8	10.332	98	589241	51.601	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.200%			
62) 4-Bromofluorobenzene	12.620	95	247520	61.765	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 123.540%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.762	94	371	Below Cal	#	39
11) Tert butyl alcohol	5.191	59	2792	6.310	ug/l #	74
16) Acetone	4.167	43	755	1.528	ug/l #	47
20) Methylene Chloride	4.967	84	25922	4.652	ug/l #	80
31) Cyclohexane	7.967	56	7019	1.408	ug/l #	3
36) 1,1-Dichloropropene	7.973	75	23236	4.987	ug/l #	50
38) Carbon Tetrachloride	7.973	117	28966	6.133	ug/l #	18
51) 4-Methyl-2-Pentanone	10.344	43	2648	1.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	132182	58.443	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	132182	140.303	ug/l #	8
95) Naphthalene	15.373	128	83	3.552	ug/l #	70

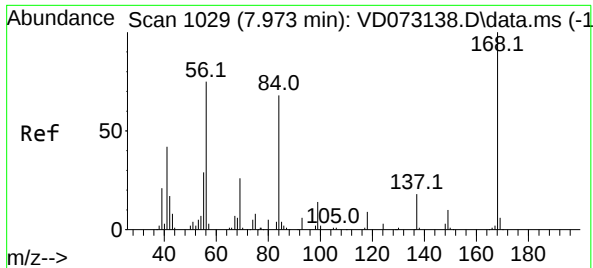
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

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RATZER-RD-SP-1-1

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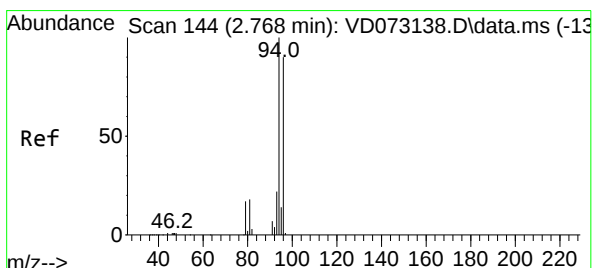
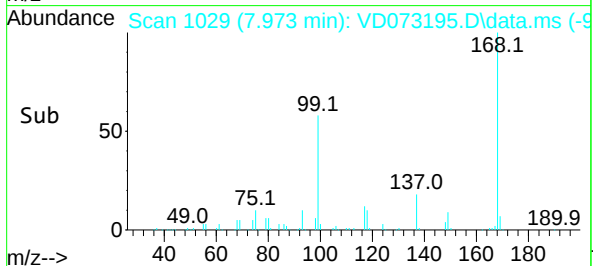
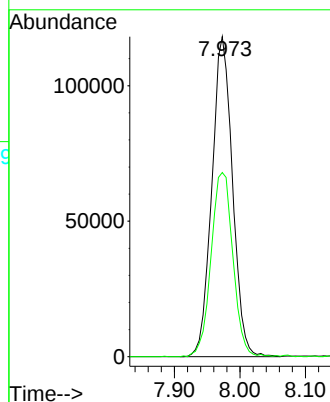
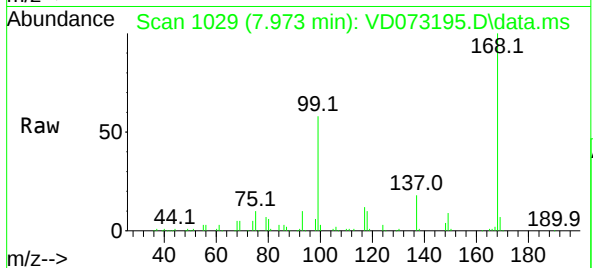




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

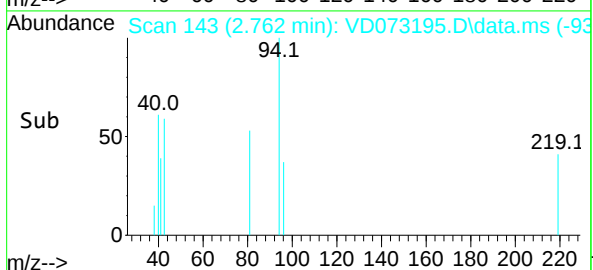
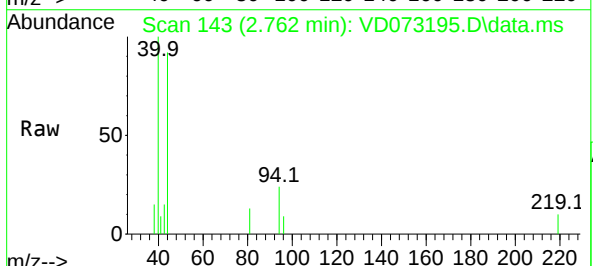
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-1

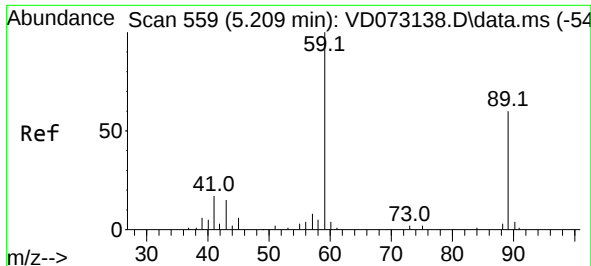
Tgt Ion:168 Resp: 258060
Ion Ratio Lower Upper
168 100
99 57.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.006 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Tgt Ion: 94 Resp: 371
Ion Ratio Lower Upper
94 100
96 37.0 77.6 116.4#

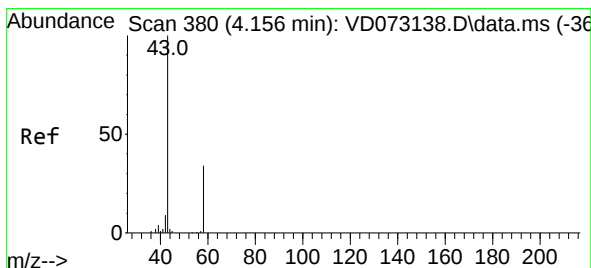
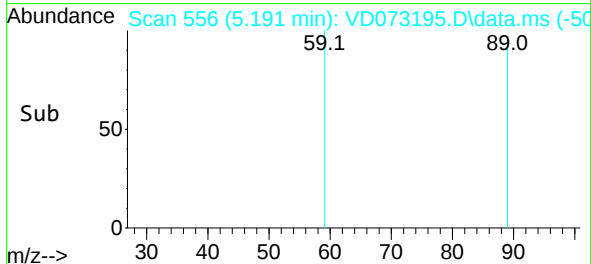
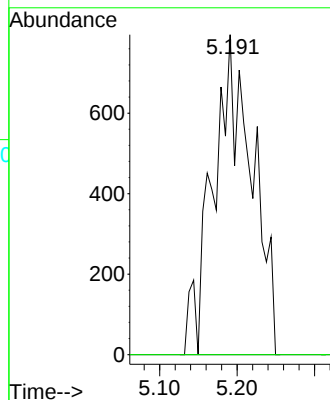
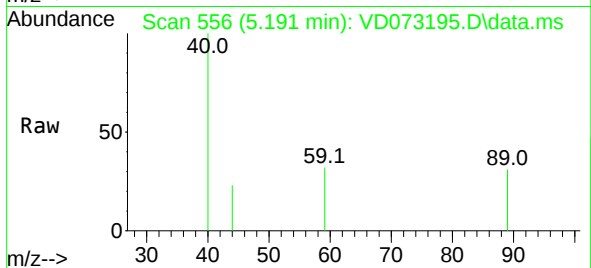




#11
Tert butyl alcohol
Concen: 6.310 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

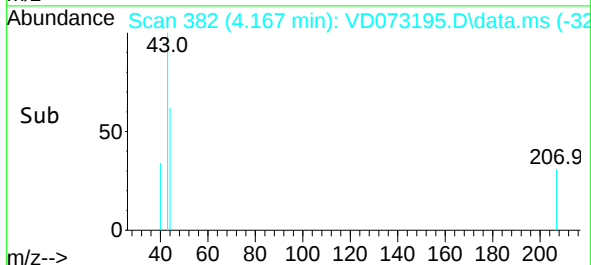
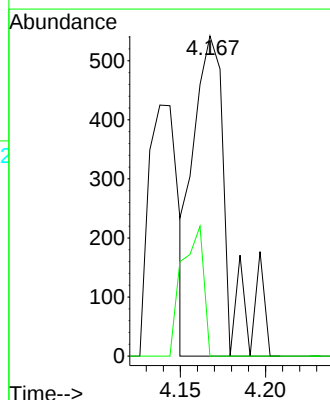
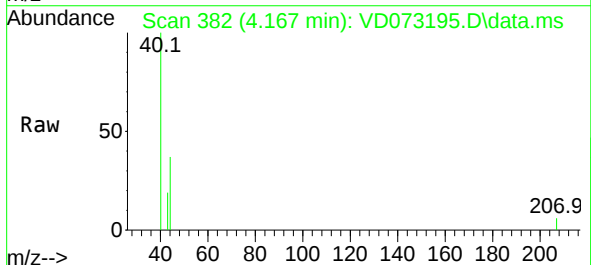
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-1

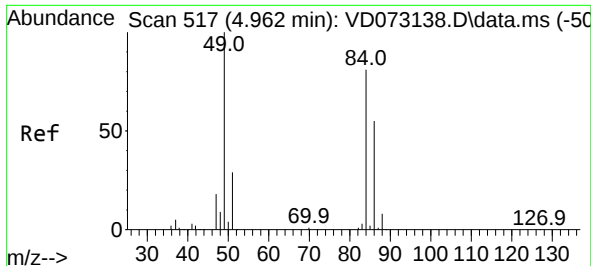
Tgt Ion: 59 Resp: 2792
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.528 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

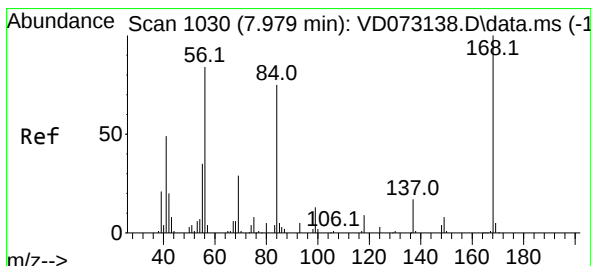
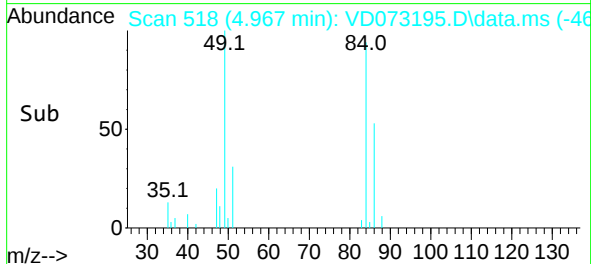
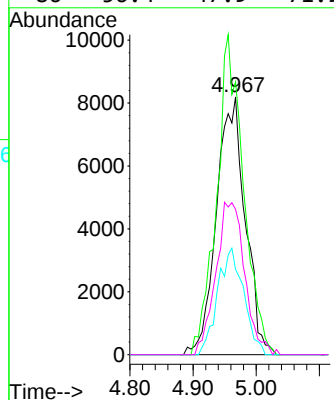
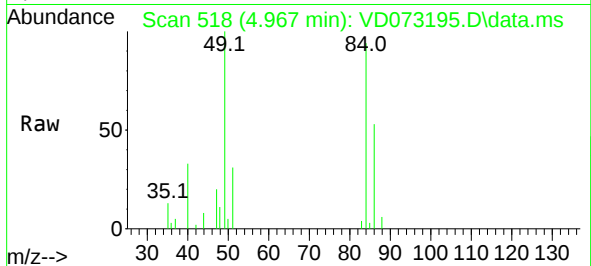




#20
Methylene Chloride
Concen: 4.652 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

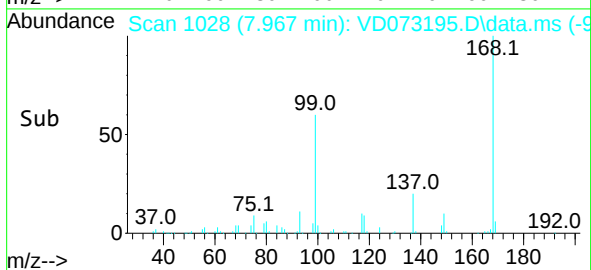
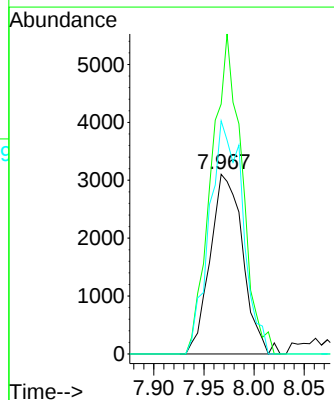
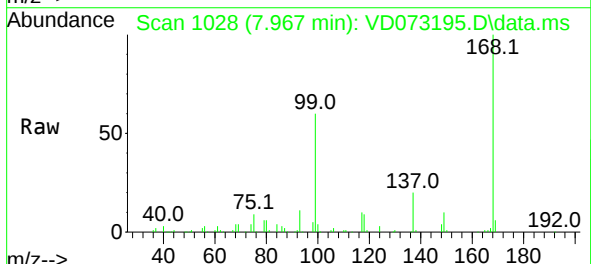
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-1

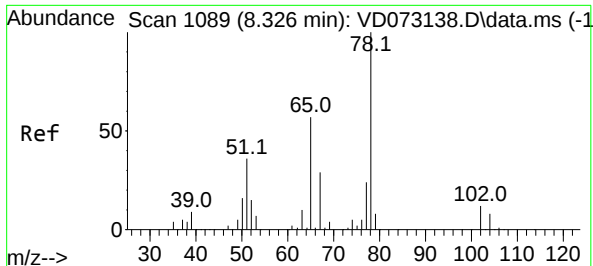
Tgt Ion:	84	Resp:	25922
Ion	Ratio	Lower	Upper
84	100		
49	105.8	112.8	169.2#
51	33.1	32.6	48.8
86	56.4	47.9	71.9



#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Tgt Ion:	56	Resp:	7019
Ion	Ratio	Lower	Upper
56	100		
69	139.2	25.4	38.2#
84	129.8	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 59.330 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073195.D

Acq: 20 May 2022 20:49

Instrument :

MSVOA_D

ClientSampleId :

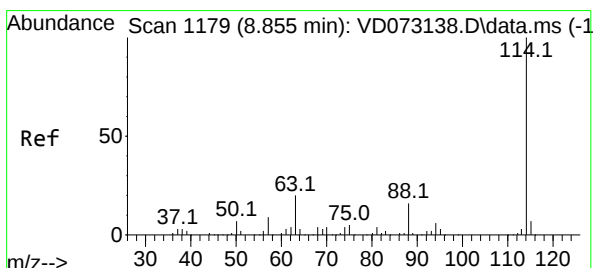
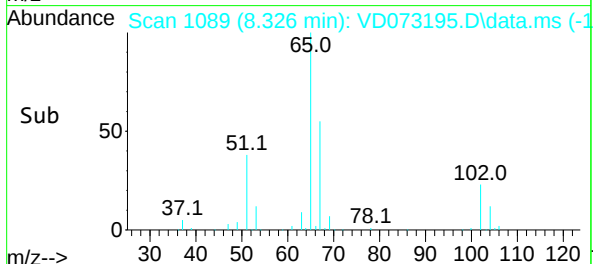
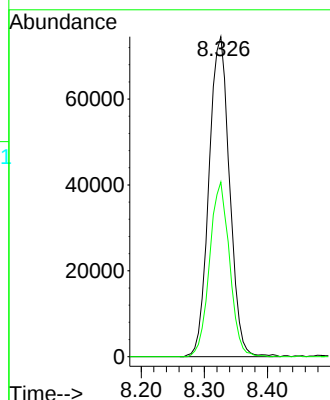
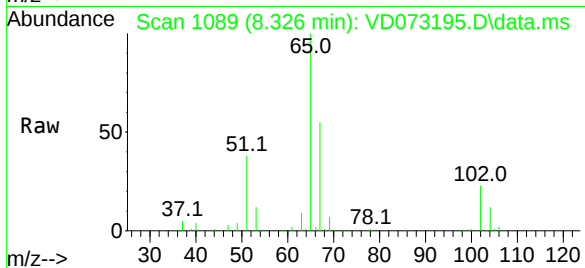
RATZER-RD-SP-1-1

Tgt Ion: 65 Resp: 169205

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073195.D

Acq: 20 May 2022 20:49

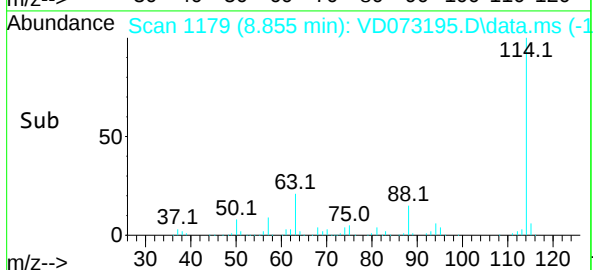
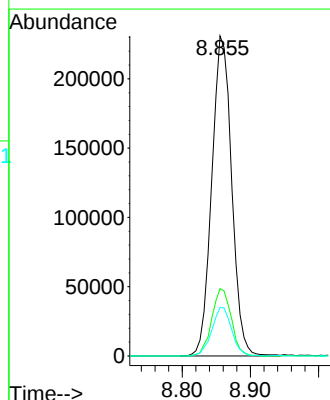
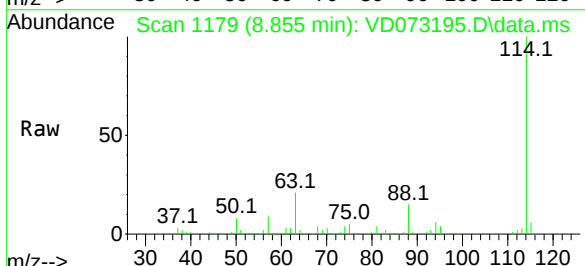
Tgt Ion: 114 Resp: 469453

Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 54.760 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073195.D

Acq: 20 May 2022 20:49

Instrument :

MSVOA_D

ClientSampleId :

RATZER-RD-SP-1-1

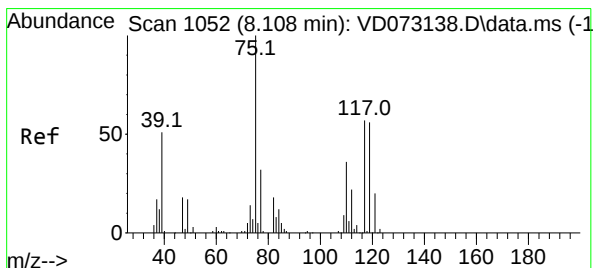
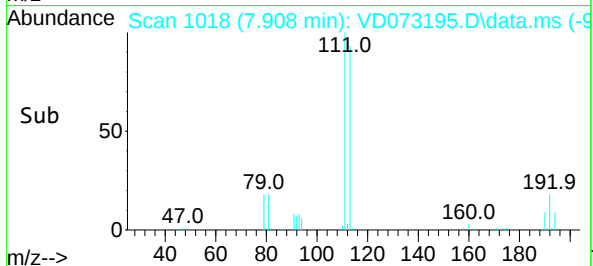
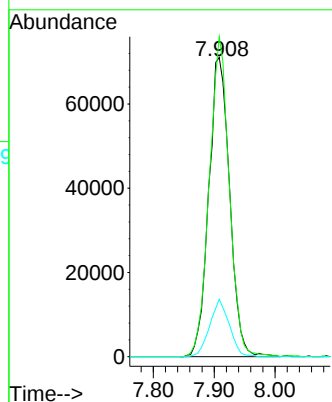
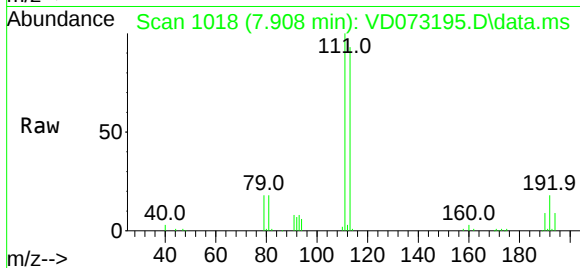
Tgt Ion:113 Resp: 169632

Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 17.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.987 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073195.D

Acq: 20 May 2022 20:49

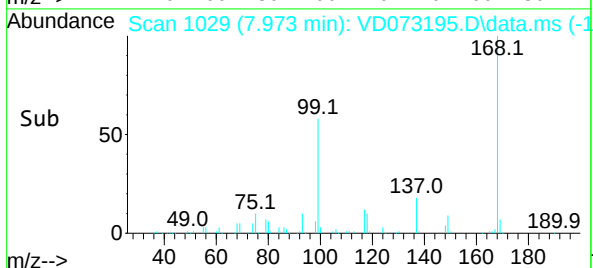
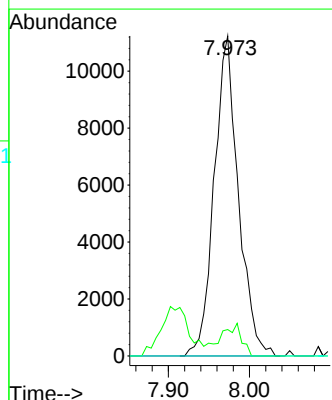
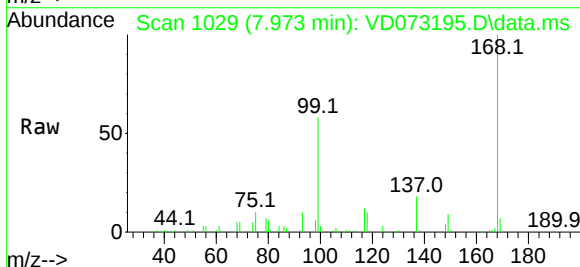
Tgt Ion: 75 Resp: 23236

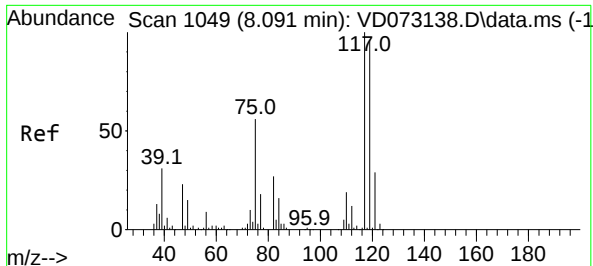
Ion Ratio Lower Upper

75 100

110 7.7 16.4 49.1#

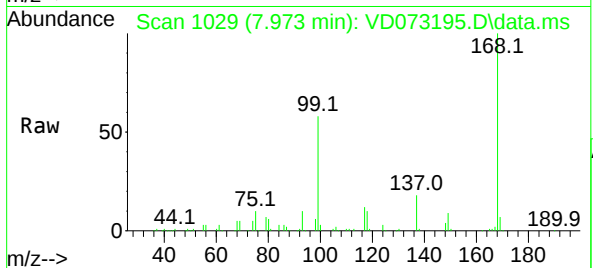
77 0.0 24.2 36.2#



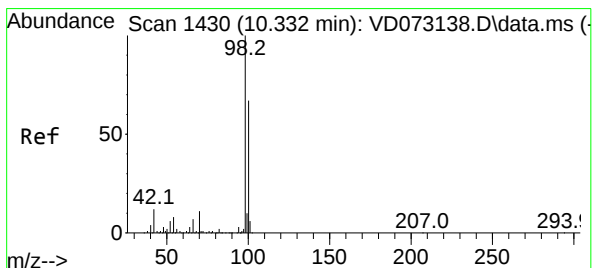
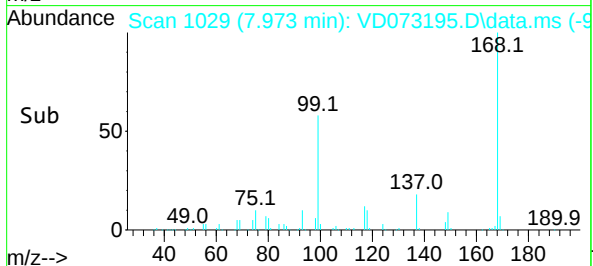
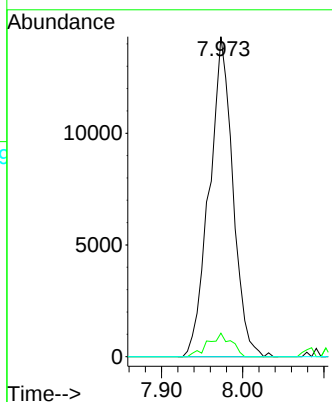


#38
Carbon Tetrachloride
Concen: 6.133 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

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

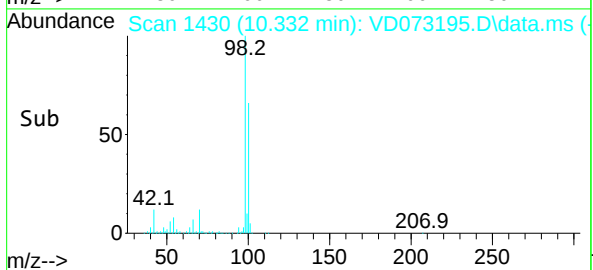
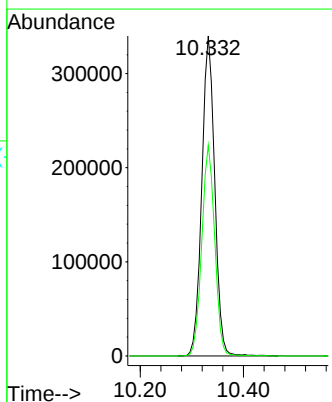
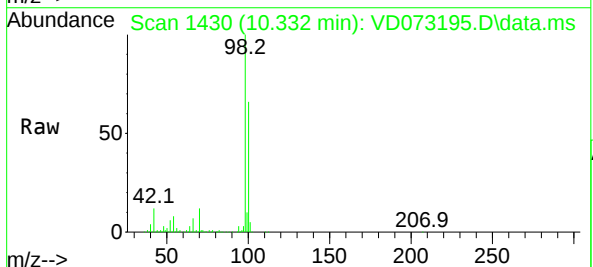


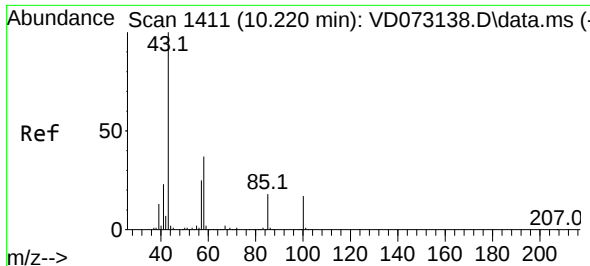
Tgt Ion:117 Resp: 28966
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.601 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Tgt Ion: 98 Resp: 589241
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6

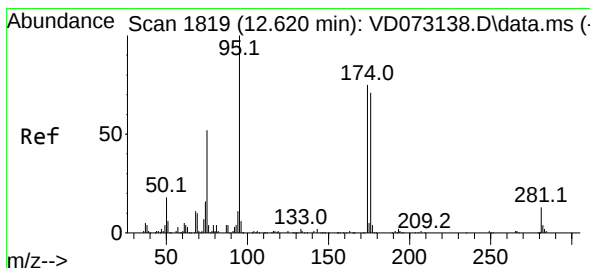
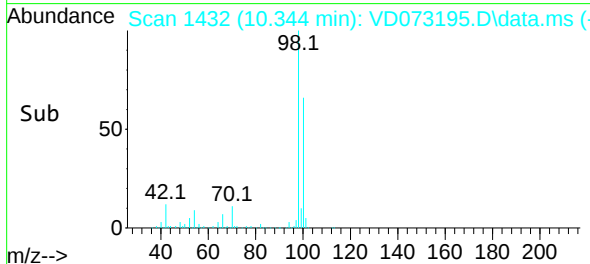
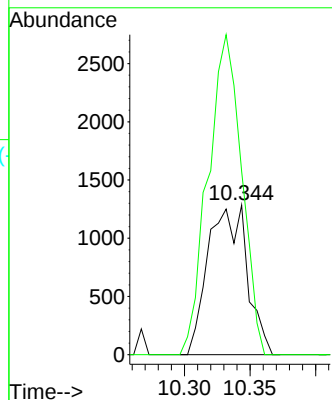
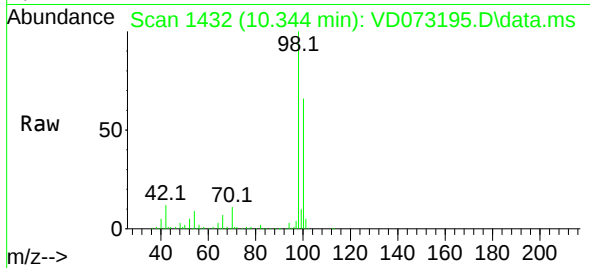




#51
4-Methyl-2-Pentanone
Concen: 1.499 ug/l
RT: 10.344 min Scan# 1411
Delta R.T. 0.124 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

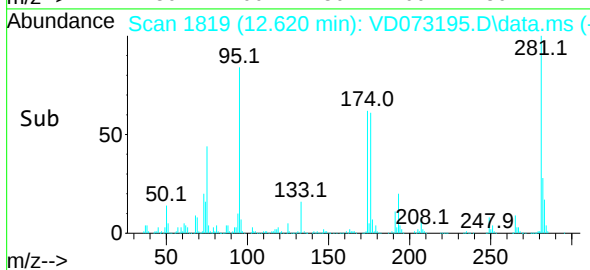
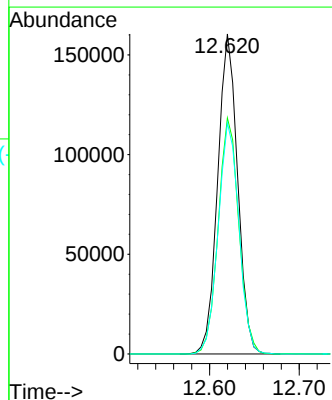
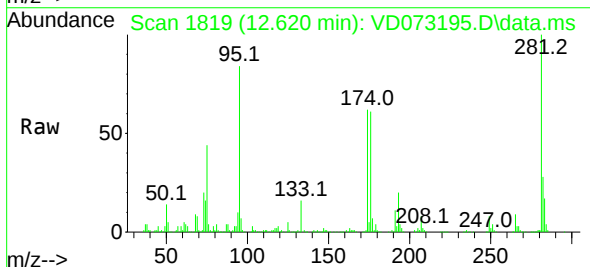
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-1

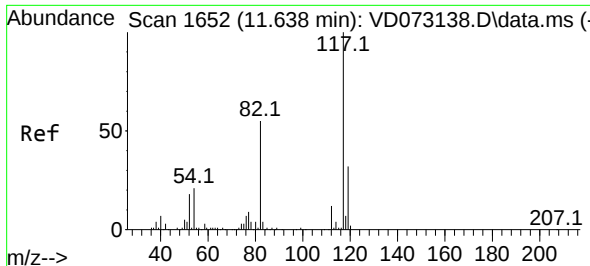
Tgt Ion: 43 Resp: 2648
Ion Ratio Lower Upper
43 100
58 185.4 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 61.765 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Tgt Ion: 95 Resp: 247520
Ion Ratio Lower Upper
95 100
174 76.4 0.0 152.8
176 74.9 0.0 145.4

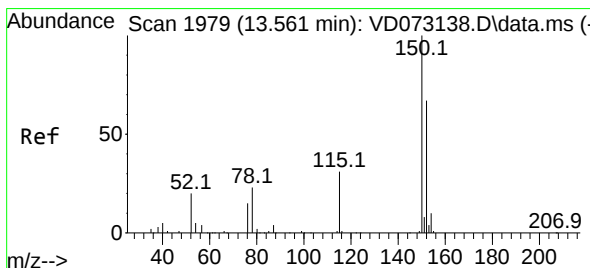
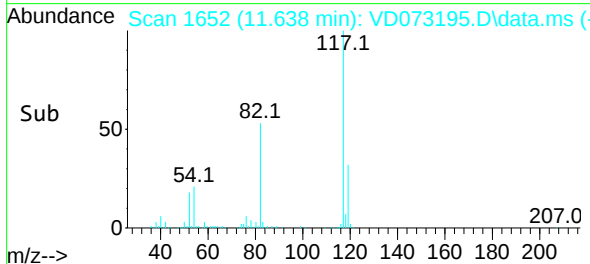
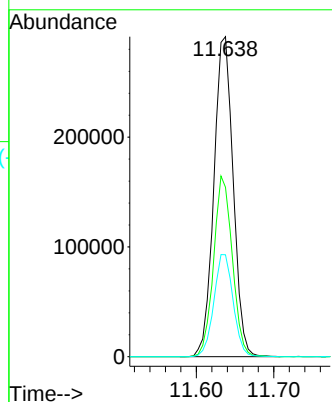
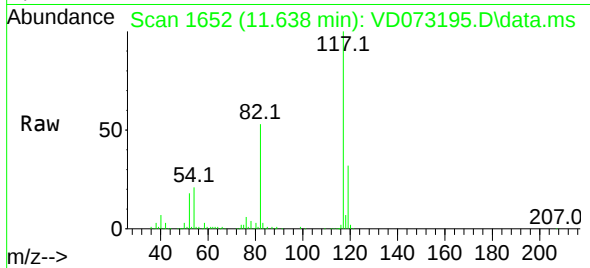




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

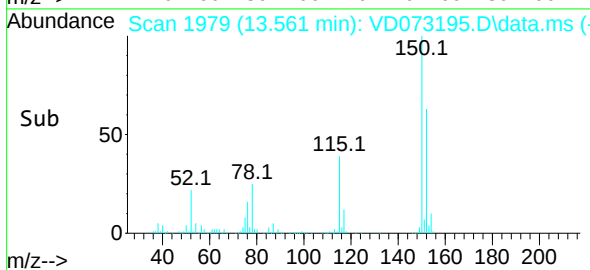
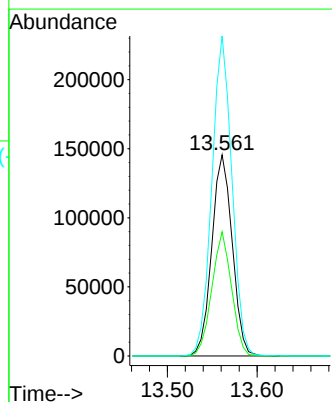
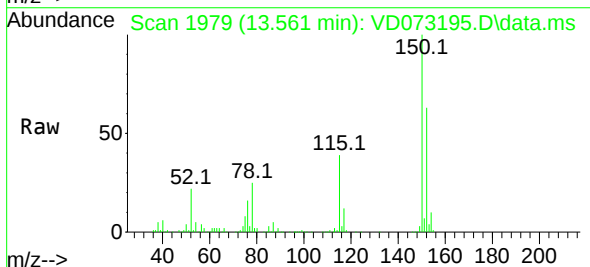
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-1

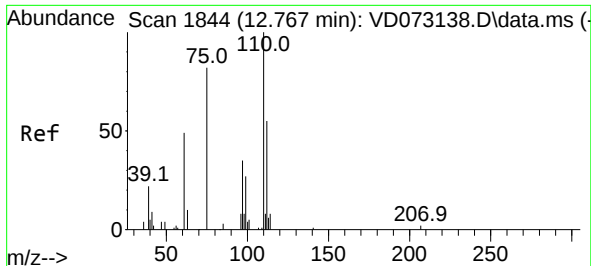
Tgt Ion:117 Resp: 504606
Ion Ratio Lower Upper
117 100
82 53.0 45.3 67.9
119 31.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Tgt Ion:152 Resp: 230513
Ion Ratio Lower Upper
152 100
115 59.3 31.3 93.8
150 156.1 0.0 348.6

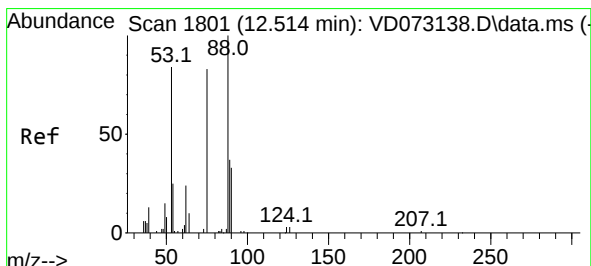
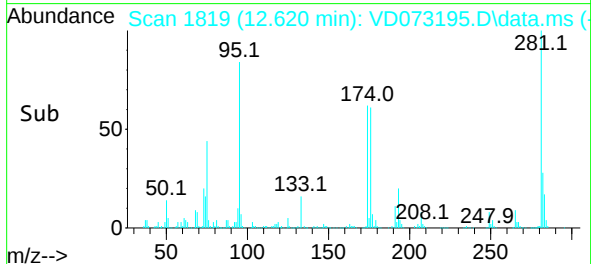
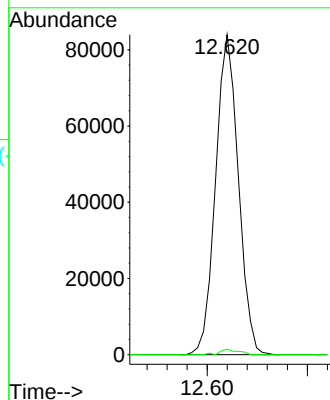
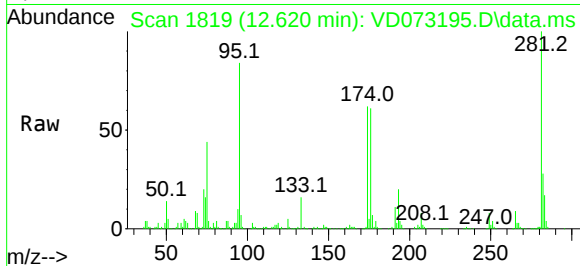




#76
1,2,3-Trichloropropane
Concen: 58.443 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

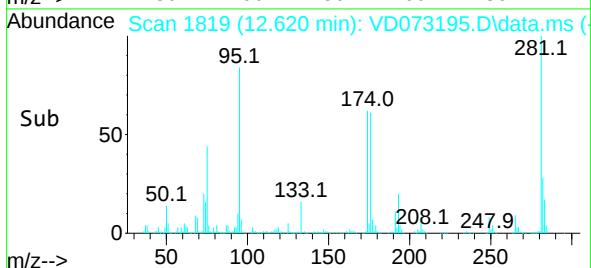
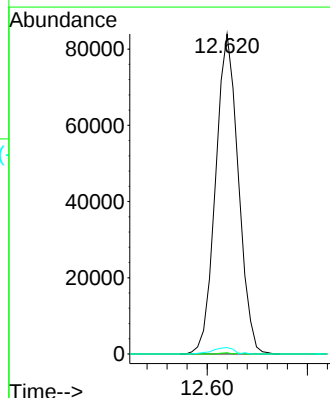
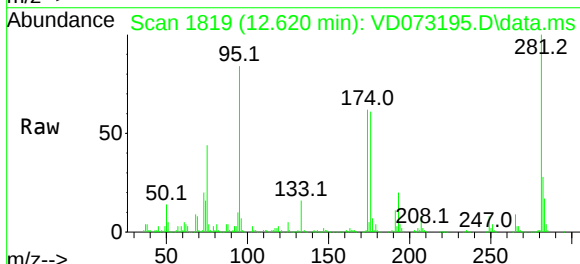
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-1

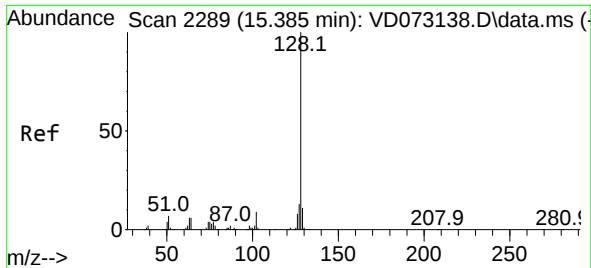
Tgt Ion: 75 Resp: 132182
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.303 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

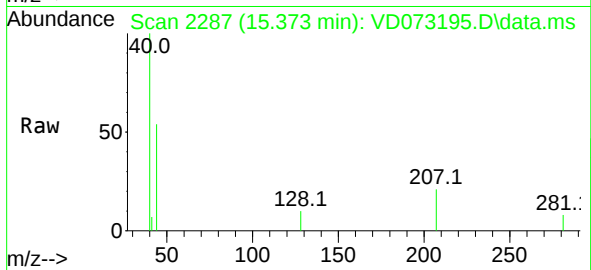
Tgt Ion: 75 Resp: 132182
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 1.9 33.9 50.9#





#95
Naphthalene
Concen: 3.552 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

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



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

