

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073197.D
 Acq On : 20 May 2022 21:47
 Operator : VA/SY
 Sample : N2942-04
 Misc : 5.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RATZER-RD-SP-1-3

Quant Time: May 21 00:17:34 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)

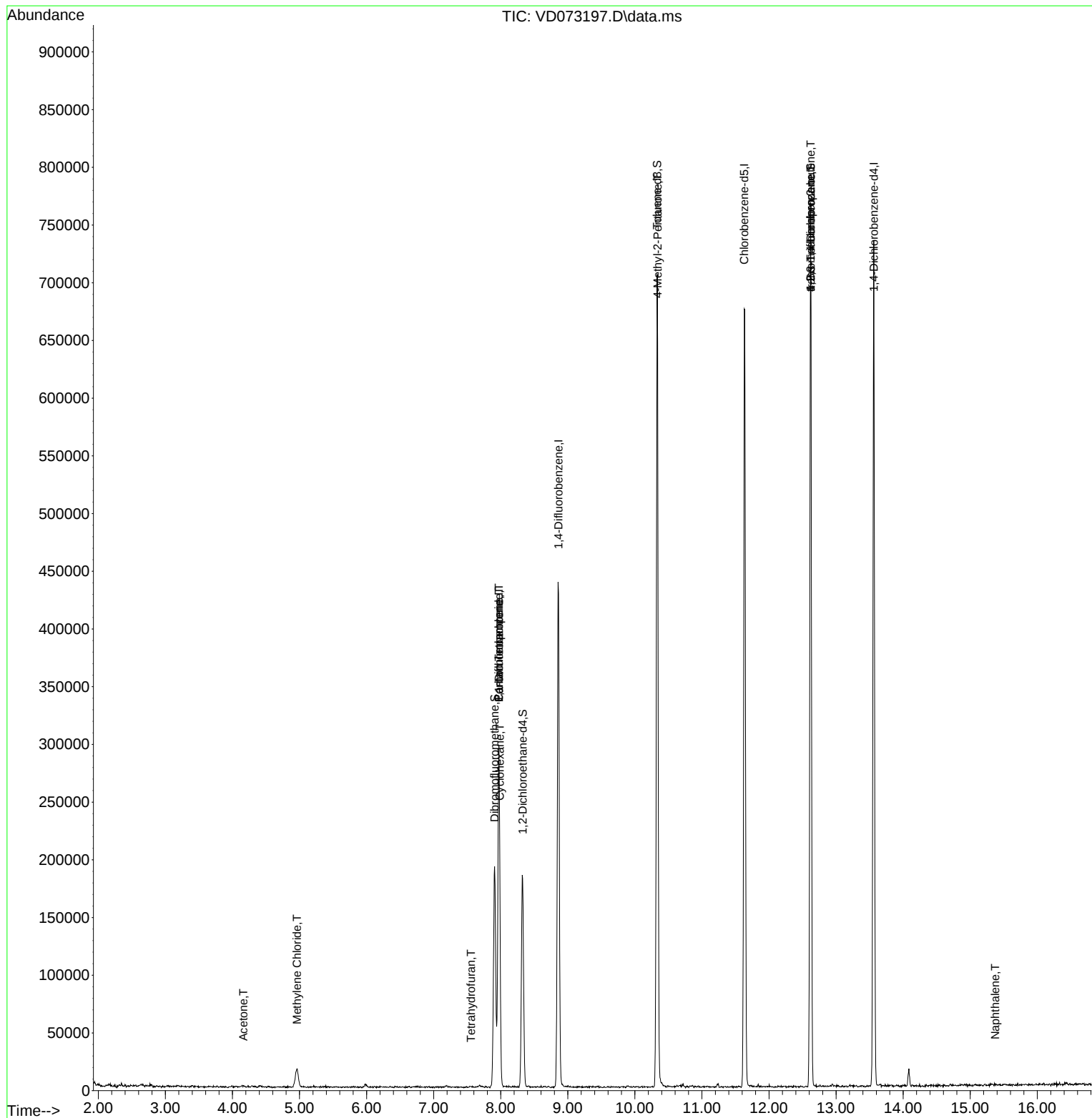
Internal Standards						
1) Pentafluorobenzene	7.973	168	206616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	368499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	401932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	185314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	147325	64.520	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.040%	
35) Dibromofluoromethane	7.908	113	136308	56.057	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.120%	
50) Toluene-d8	10.332	98	471595	52.613	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.220%	
62) 4-Bromofluorobenzene	12.620	95	187132	59.489	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.980%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1108	Below Cal	#	50
16) Acetone	4.162	43	1785	4.513	ug/l #	47
20) Methylene Chloride	4.962	84	12326	1.000	ug/l #	84
29) Tetrahydrofuran	7.556	42	597	1.596	ug/l #	60
31) Cyclohexane	7.985	56	5145	1.289	ug/l #	41
36) 1,1-Dichloropropene	7.973	75	18083	4.945	ug/l #	50
38) Carbon Tetrachloride	7.973	117	22241	6.000	ug/l #	16
51) 4-Methyl-2-Pentanone	10.338	43	2340	1.687	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	97447	53.594	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	97447	128.662	ug/l #	7
95) Naphthalene	15.373	128	153	3.565	ug/l #	70

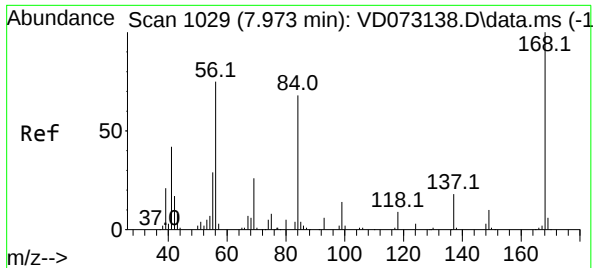
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
Data File : VD073197.D
Acq On : 20 May 2022 21:47
Operator : VA/SY
Sample : N2942-04
Misc : 5.37G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-3

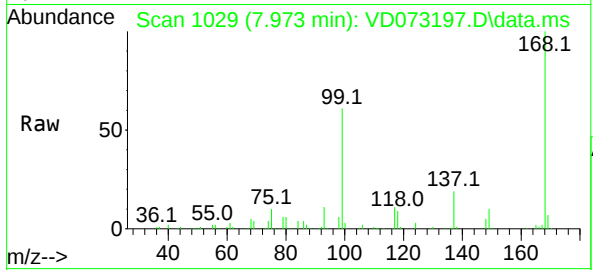
Quant Time: May 21 00:17:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration



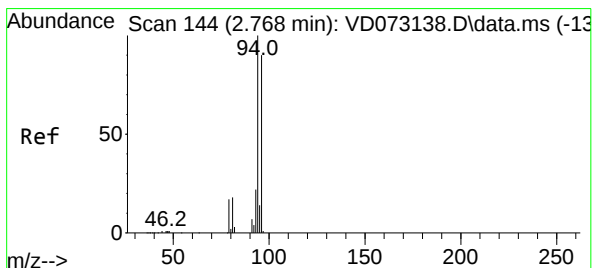
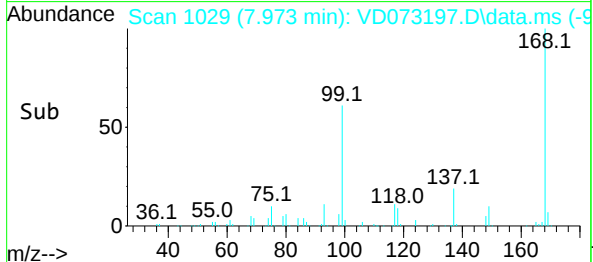
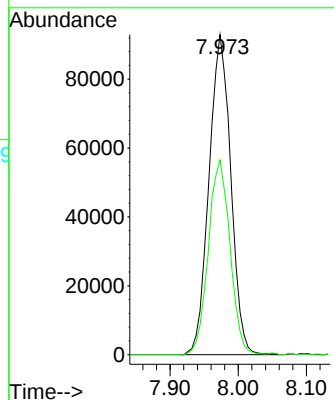


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-3

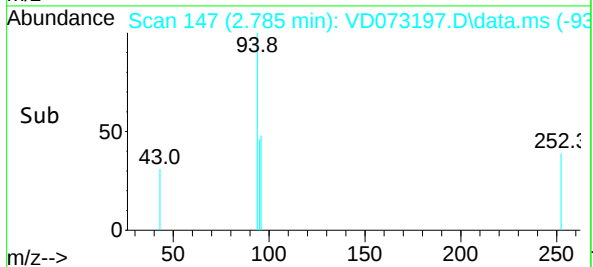
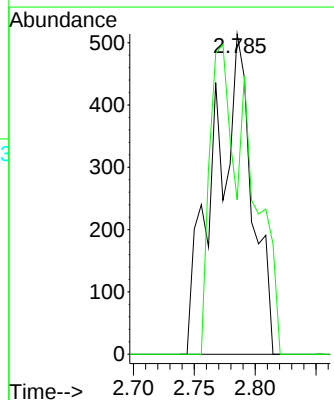
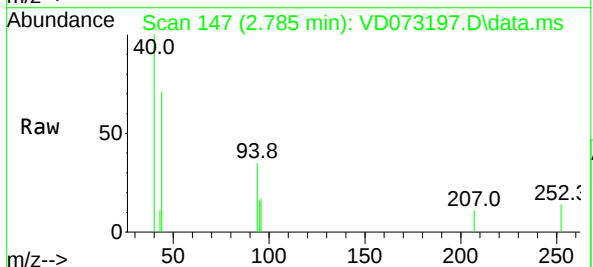


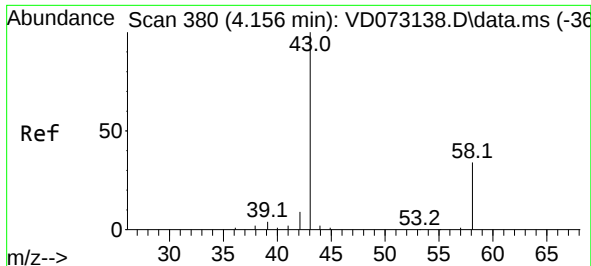
Tgt Ion:168 Resp: 206616
Ion Ratio Lower Upper
168 100
99 60.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

Tgt Ion: 94 Resp: 1108
Ion Ratio Lower Upper
94 100
96 48.2 77.6 116.4#

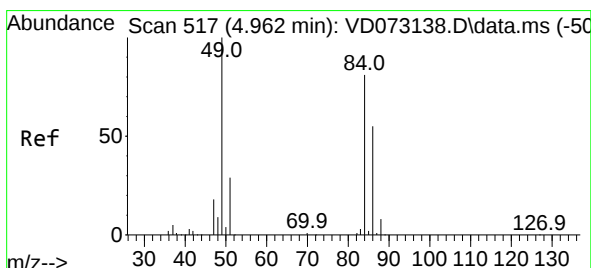
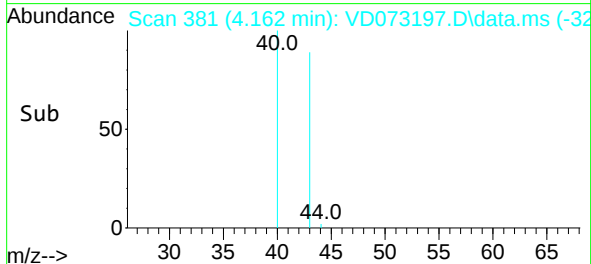
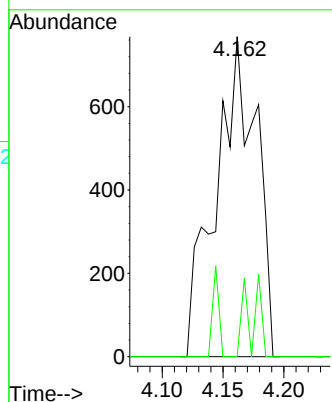
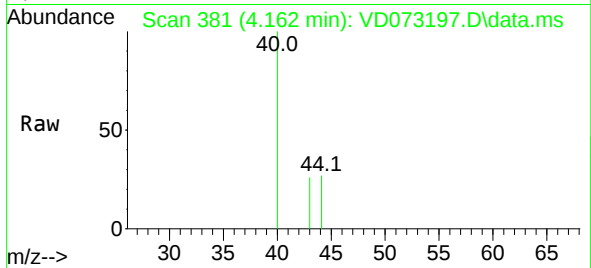




#16
Acetone
Concen: 4.513 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

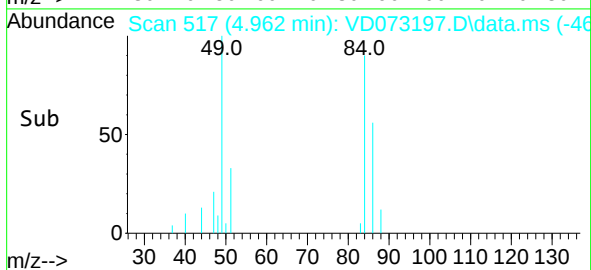
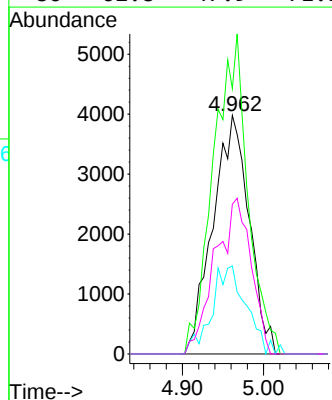
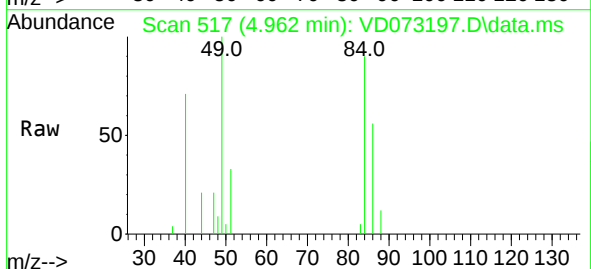
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-3

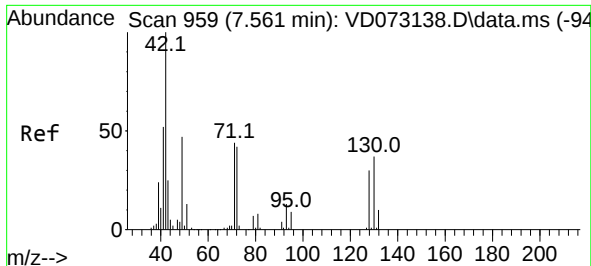
Tgt Ion: 43 Resp: 1785
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: 1.000 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

Tgt Ion: 84 Resp: 12326
Ion Ratio Lower Upper
84 100
49 111.2 112.8 169.2#
51 36.9 32.6 48.8
86 62.8 47.9 71.9





#29

Tetrahydrofuran

Concen: 1.596 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD073197.D

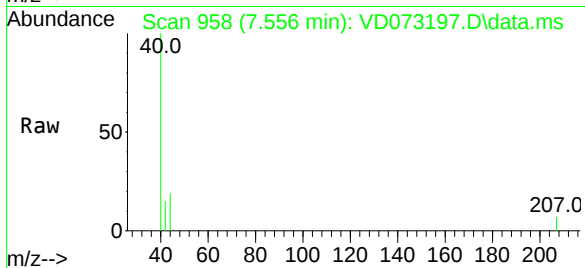
Acq: 20 May 2022 21:47

Instrument :

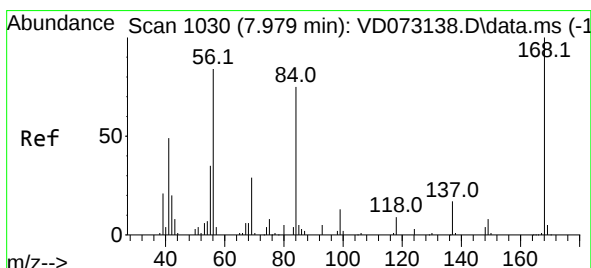
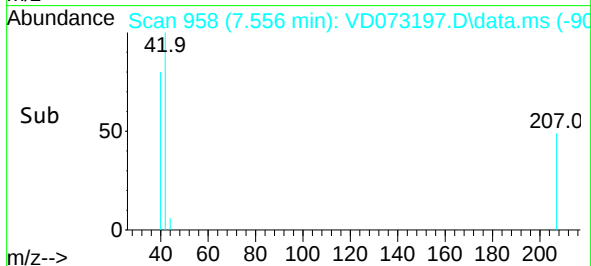
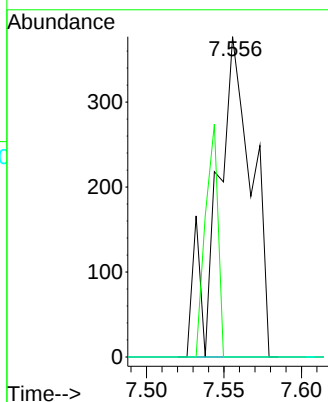
MSVOA_D

ClientSampleId :

RATZER-RD-SP-1-3



Tgt Ion:	42	Resp:	597
Ion	Ratio	Lower	Upper
42	100		
72	26.0	30.7	46.1#
71	0.0	28.6	43.0#



#31

Cyclohexane

Concen: 1.289 ug/l

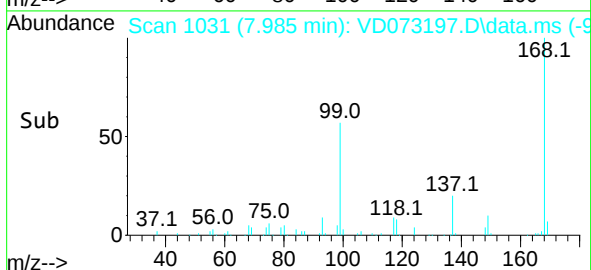
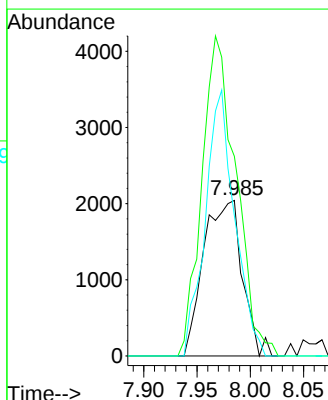
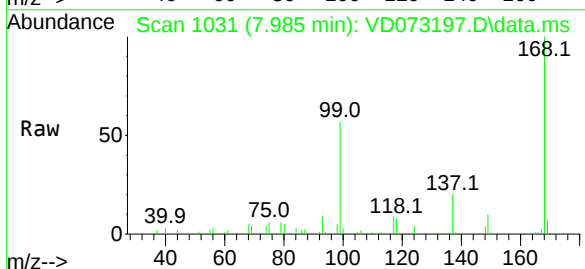
RT: 7.985 min Scan# 1031

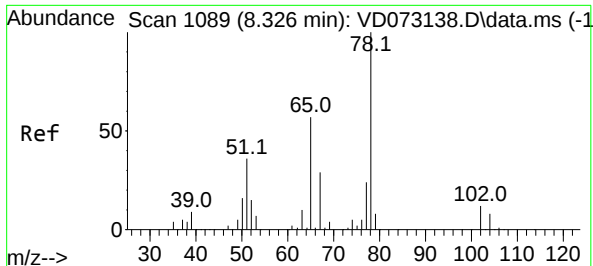
Delta R.T. 0.006 min

Lab File: VD073197.D

Acq: 20 May 2022 21:47

Tgt Ion:	56	Resp:	5145
Ion	Ratio	Lower	Upper
56	100		
69	128.3	25.4	38.2#
84	90.2	63.0	94.4





#33

1,2-Dichloroethane-d4

Concen: 64.520 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD073197.D

Acq: 20 May 2022 21:47

Instrument :

MSVOA_D

ClientSampleId :

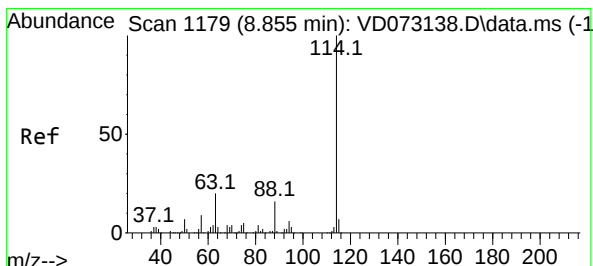
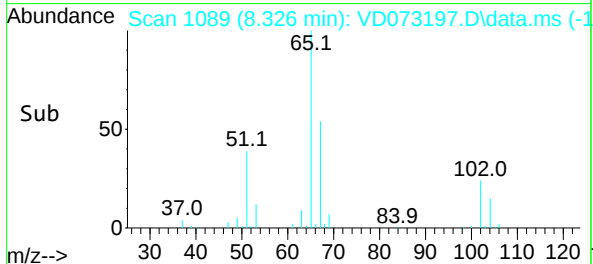
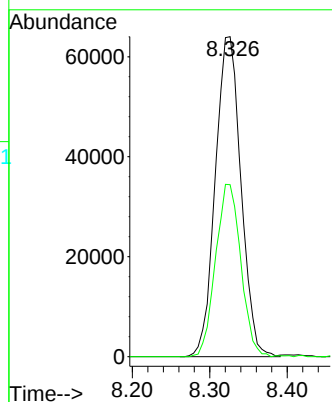
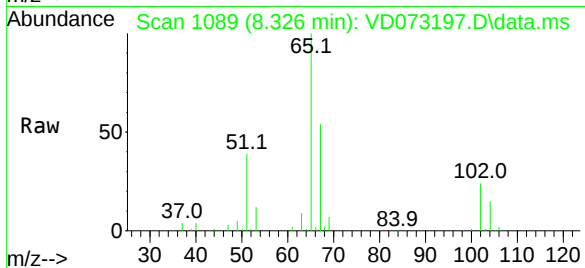
RATZER-RD-SP-1-3

Tgt Ion: 65 Resp: 147325

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073197.D

Acq: 20 May 2022 21:47

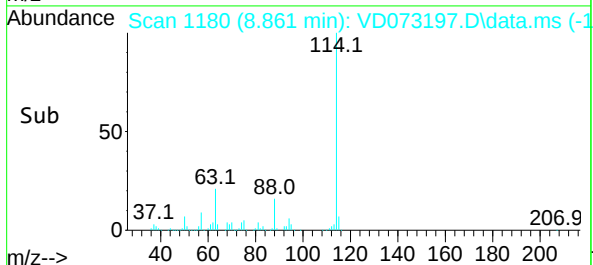
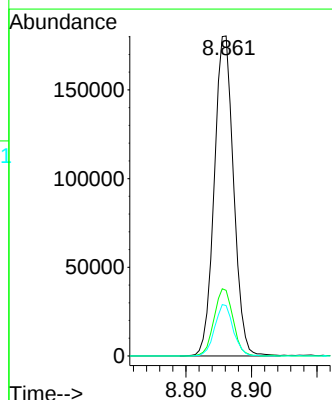
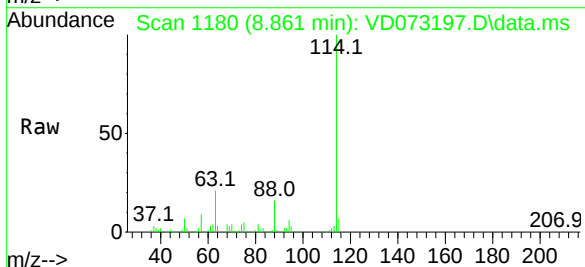
Tgt Ion: 114 Resp: 368499

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 56.057 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073197.D

Acq: 20 May 2022 21:47

Instrument :

MSVOA_D

ClientSampleId :

RATZER-RD-SP-1-3

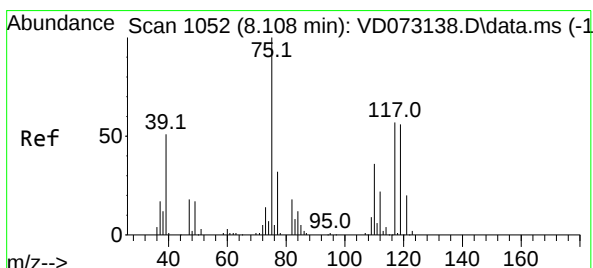
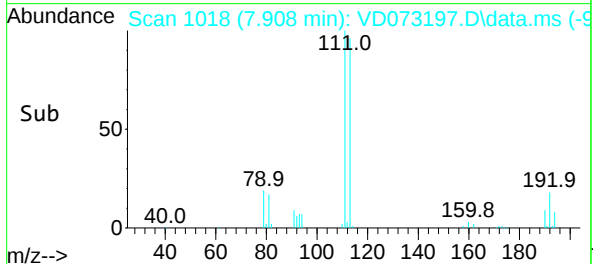
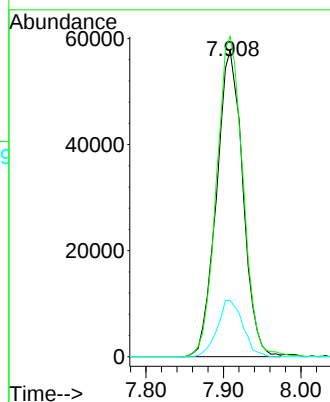
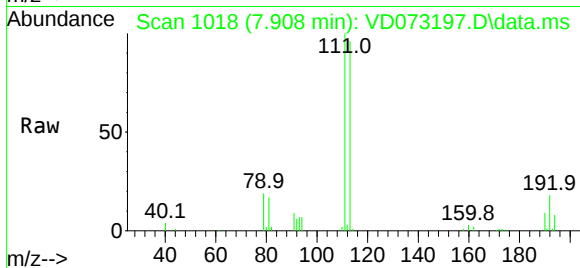
Tgt Ion:113 Resp: 136308

Ion Ratio Lower Upper

113 100

111 105.2 83.8 125.6

192 17.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.945 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073197.D

Acq: 20 May 2022 21:47

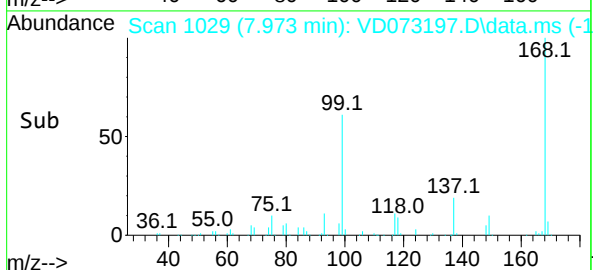
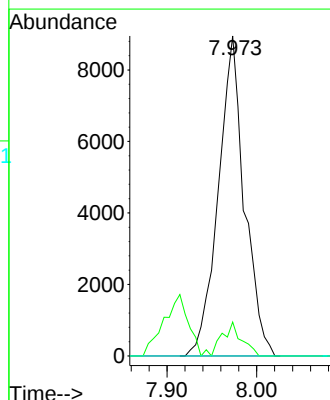
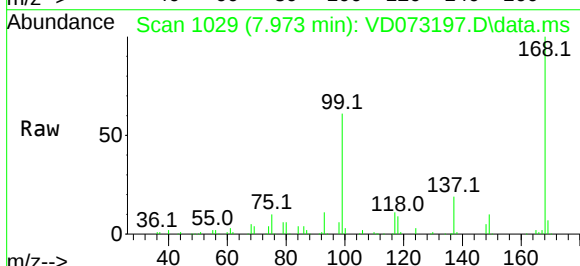
Tgt Ion: 75 Resp: 18083

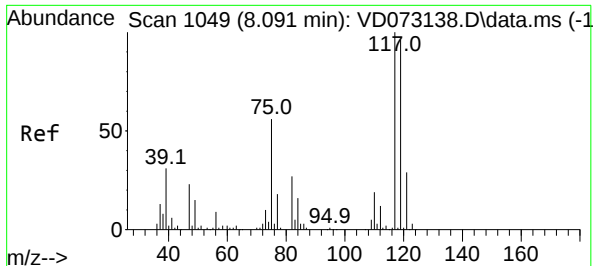
Ion Ratio Lower Upper

75 100

110 7.7 16.4 49.1#

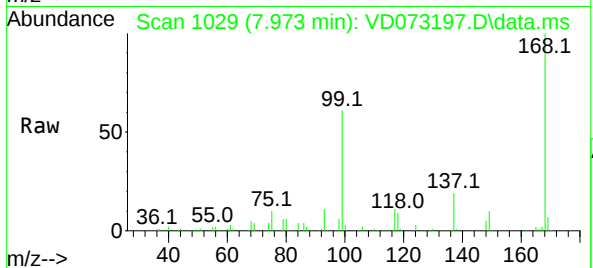
77 0.0 24.2 36.2#



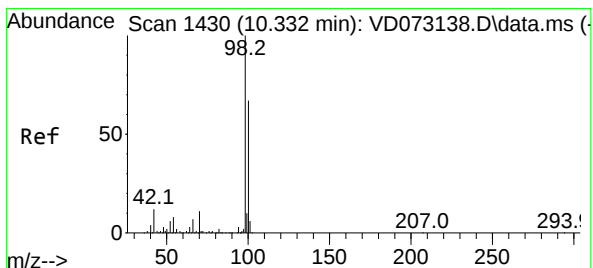
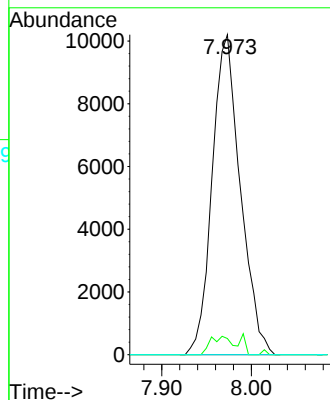
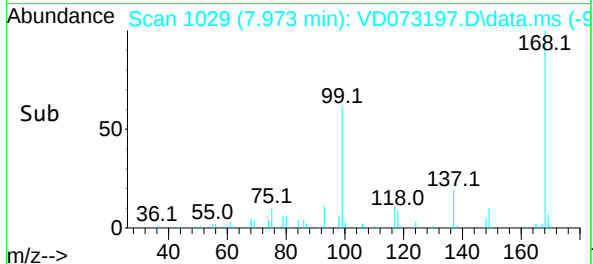


#38
Carbon Tetrachloride
Concen: 6.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

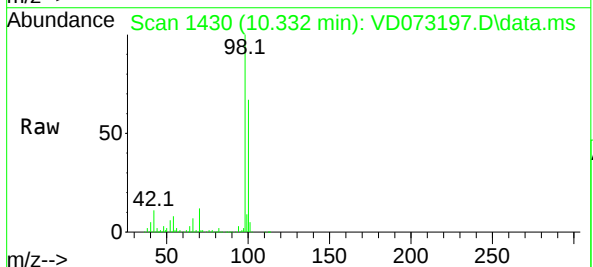
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-3



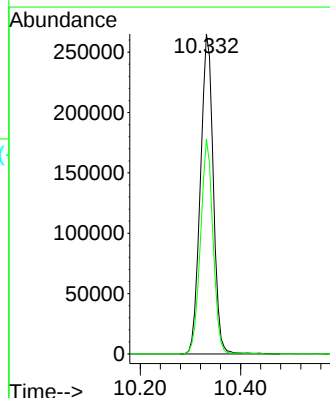
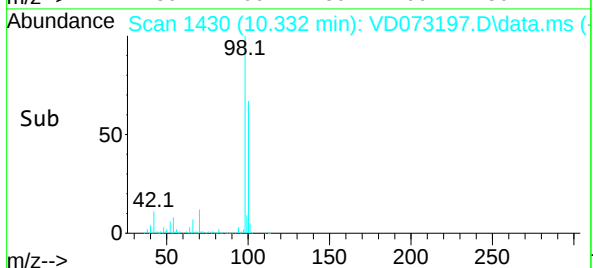
Tgt Ion:117 Resp: 22241
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.5 36.7#

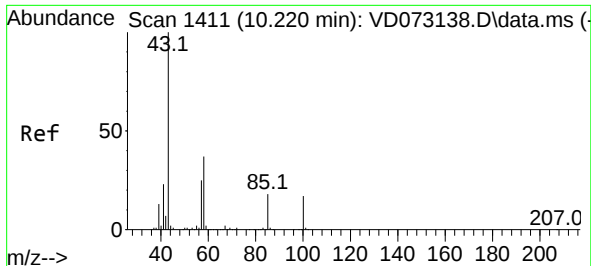


#50
Toluene-d8
Concen: 52.613 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47



Tgt Ion: 98 Resp: 471595
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6

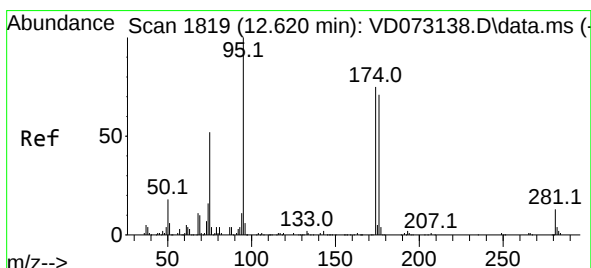
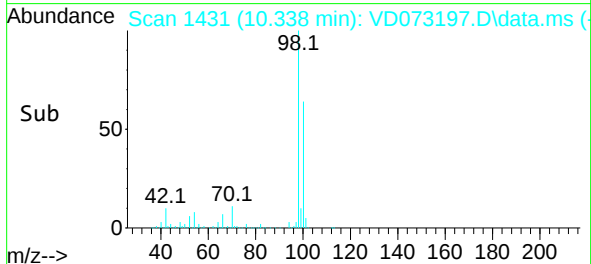
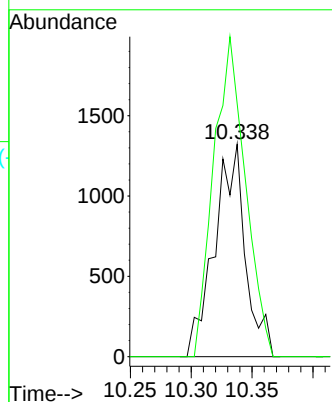
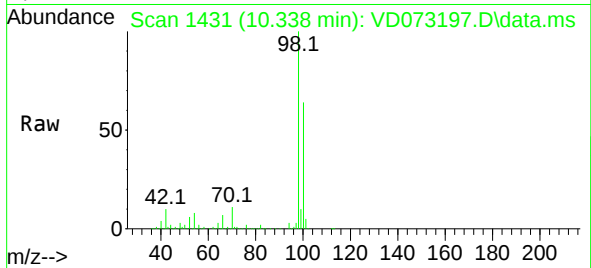




#51
4-Methyl-2-Pentanone
Concen: 1.687 ug/l
RT: 10.338 min Scan# 1411
Delta R.T. 0.118 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

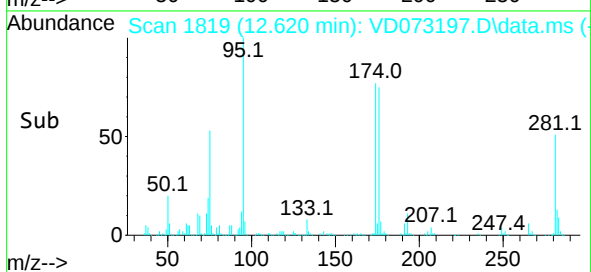
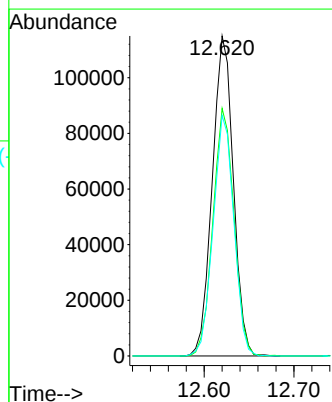
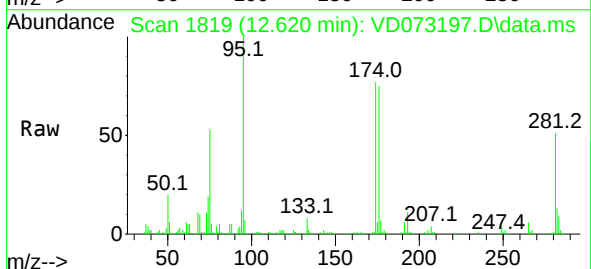
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-3

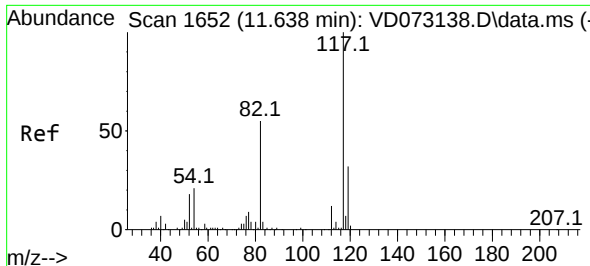
Tgt Ion: 43 Resp: 2340
Ion Ratio Lower Upper
43 100
58 154.7 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 59.489 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

Tgt Ion: 95 Resp: 187132
Ion Ratio Lower Upper
95 100
174 77.4 0.0 152.8
176 74.0 0.0 145.4

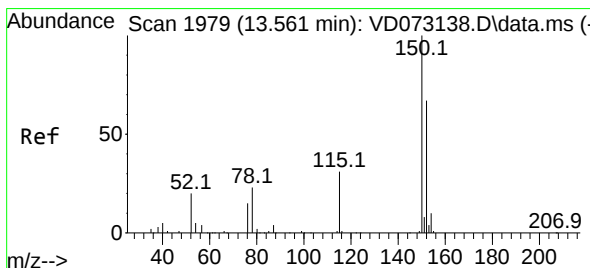
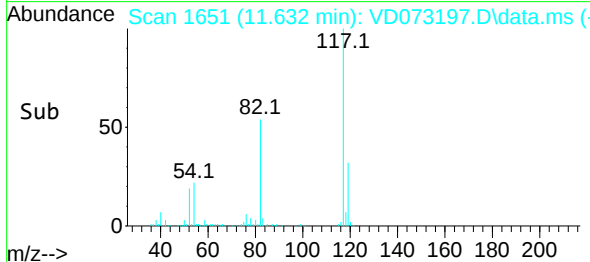
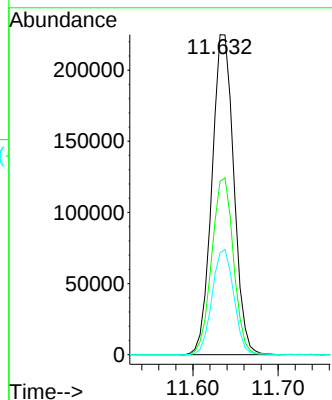
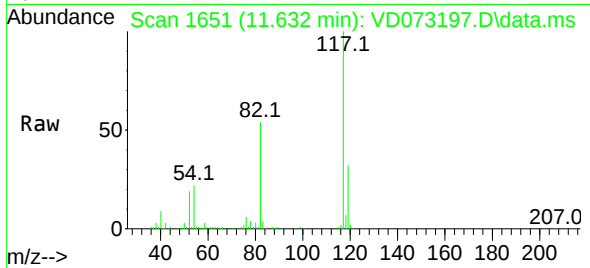




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

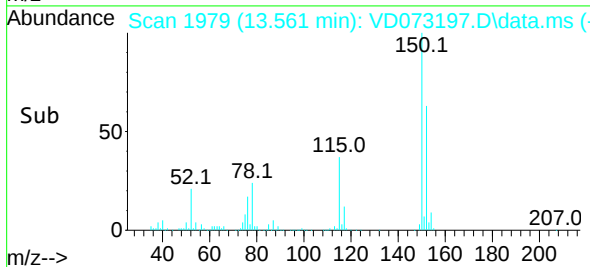
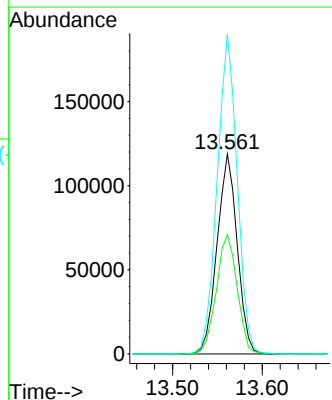
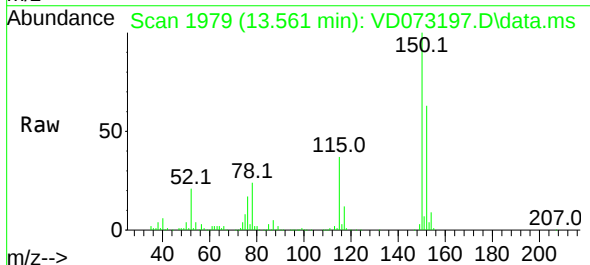
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-3

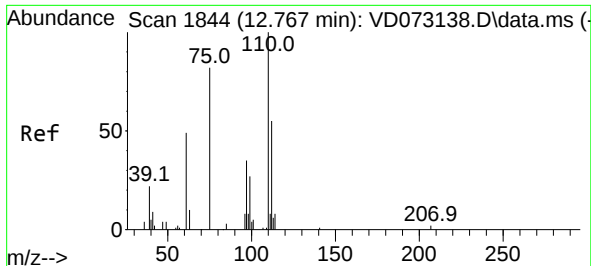
Tgt Ion:117 Resp: 401932
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 31.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

Tgt Ion:152 Resp: 185314
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.8
150 158.6 0.0 348.6

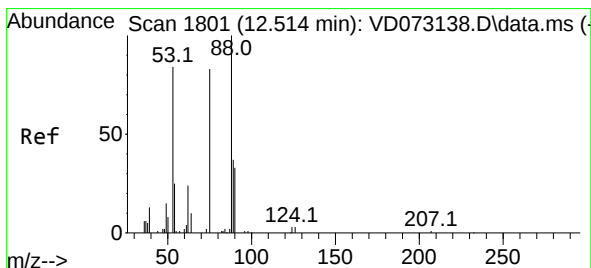
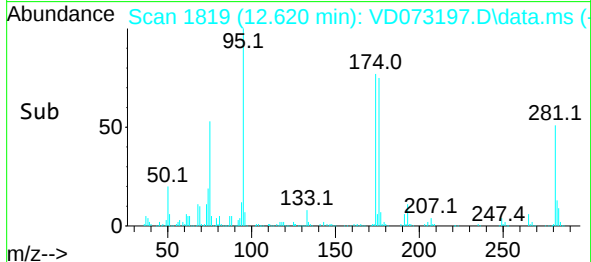
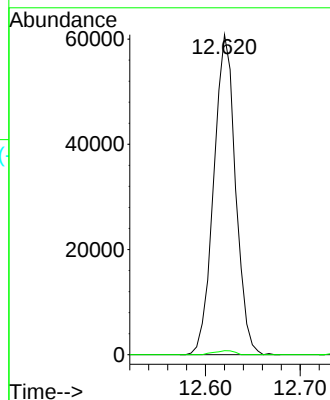
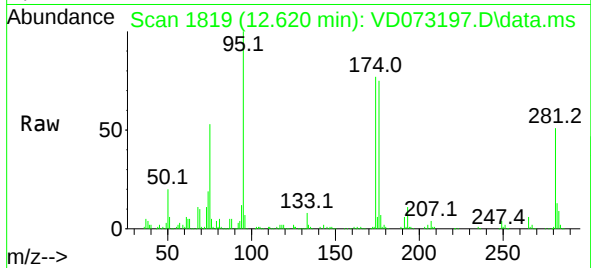




#76
1,2,3-Trichloropropane
Concen: 53.594 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

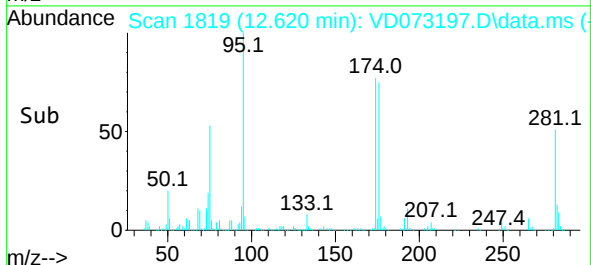
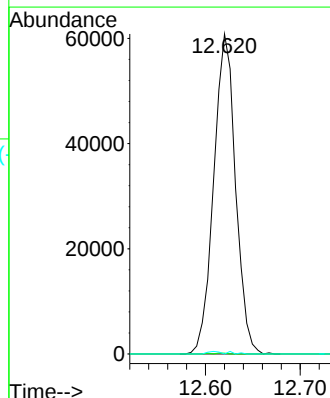
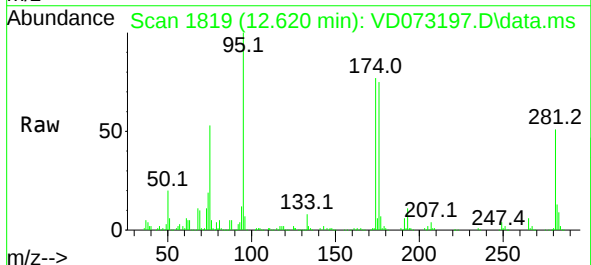
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-3

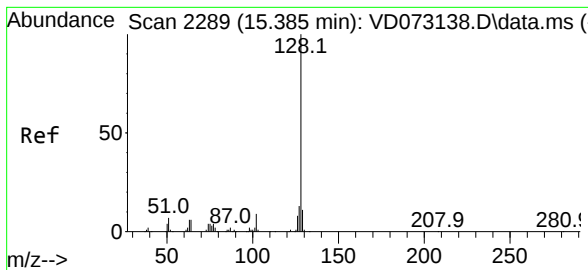
Tgt Ion: 75 Resp: 97447
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.662 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073197.D
Acq: 20 May 2022 21:47

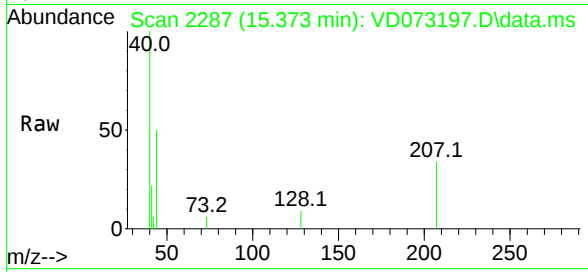
Tgt Ion: 75 Resp: 97447
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.4 33.9 50.9#





#95
 Naphthalene
 Concen: 3.565 ug/l
 RT: 15.373 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VD073197.D
 Acq: 20 May 2022 21:47

Instrument :
 MSVOA_D
 ClientSampleId :
 RATZER-RD-SP-1-3



Tgt Ion:	128	Resp:	153
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

