

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076837.D
 Acq On : 27 Jul 2023 16:39
 Operator : KP/SY
 Sample : 03768-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 02:59:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

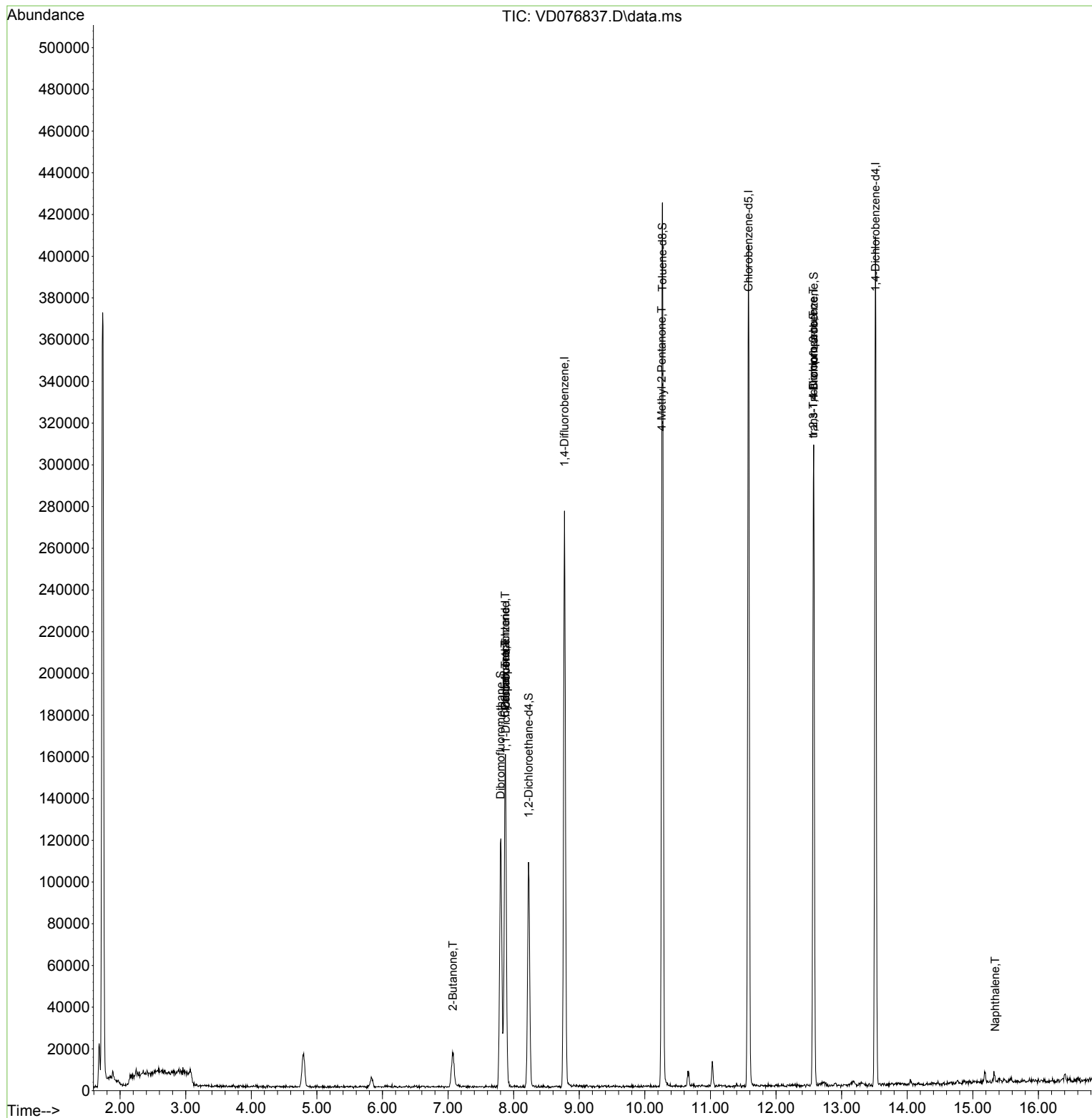
Internal Standards						
1) Pentafluorobenzene	7.875	168	122108	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	247586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	240512	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	83074	68.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.600%	
35) Dibromofluoromethane	7.799	113	86368	55.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.020%	
50) Toluene-d8	10.269	98	302603	54.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.740%	
62) 4-Bromofluorobenzene	12.575	95	95810	53.211	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.420%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.787	84	13566	Below Cal	#	88
25) 2-Butanone	7.075	43	734	1.888	ug/l #	37
31) Cyclohexane	7.869	56	2712	1.515	ug/l #	54
36) 1,1-Dichloropropene	7.881	75	9920	4.879	ug/l #	47
38) Carbon Tetrachloride	7.875	117	12822	6.587	ug/l #	21
51) 4-Methyl-2-Pentanone	10.257	43	1411	1.494	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	50792	49.571	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	50792	105.501	ug/l #	17
95) Naphthalene	15.339	128	4728	1.094	ug/l #	93

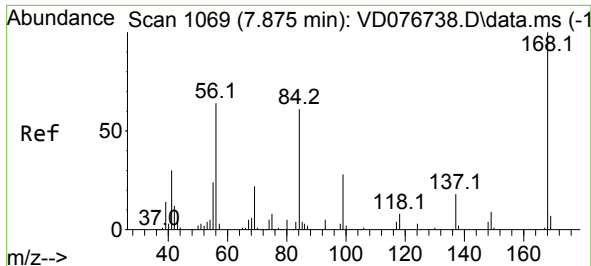
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration

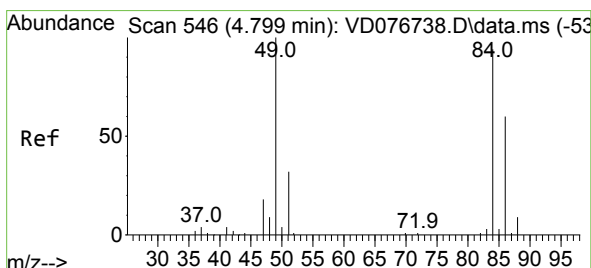
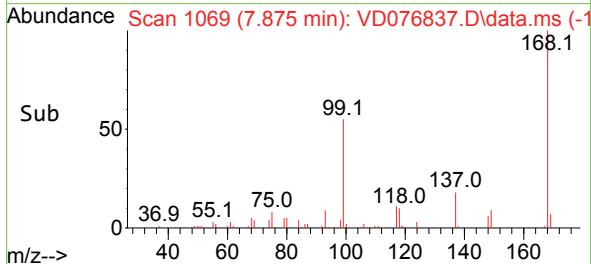
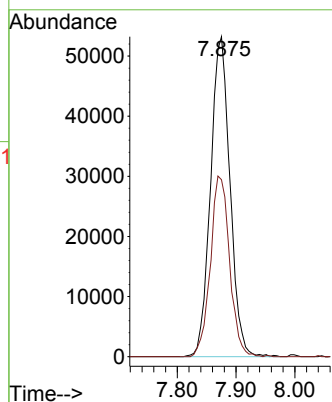
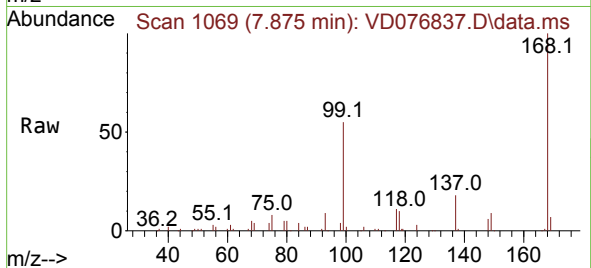




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

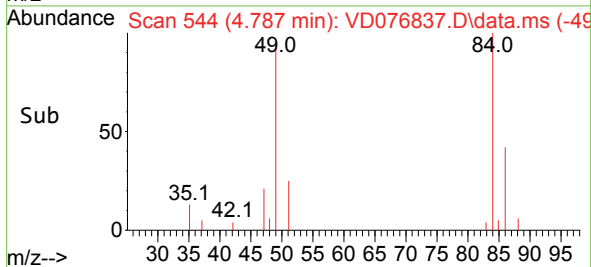
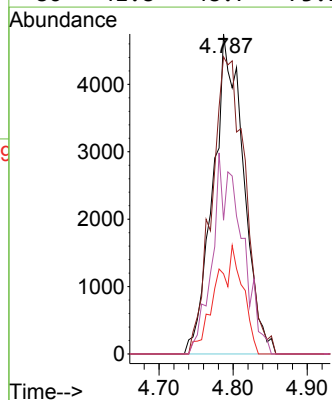
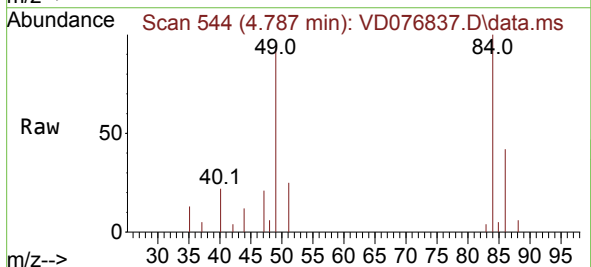
Instrument :
MSVOA_D
ClientSampleId :

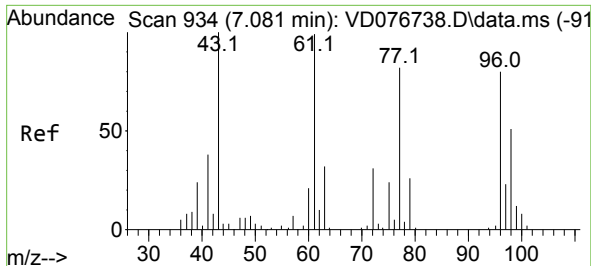
Tgt Ion:168 Resp: 122108
Ion Ratio Lower Upper
168 100
99 55.3 36.7 55.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

Tgt Ion: 84 Resp: 13566
Ion Ratio Lower Upper
84 100
49 92.9 71.4 107.2
51 25.0 24.5 36.7
86 41.8 48.7 73.1#

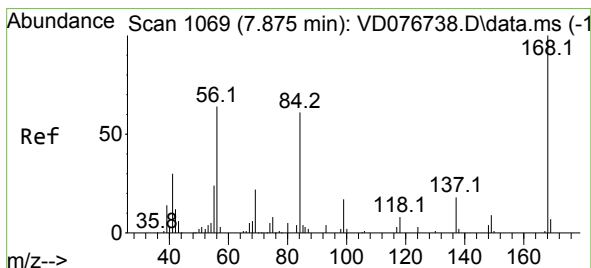
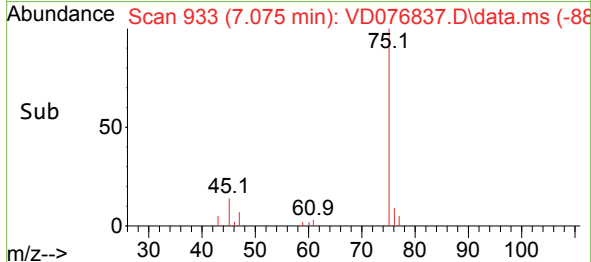
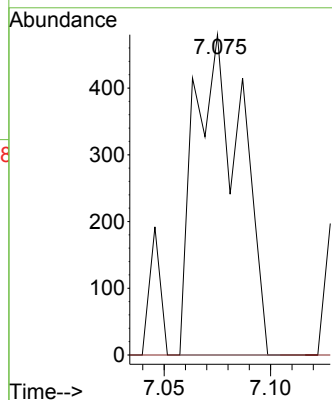
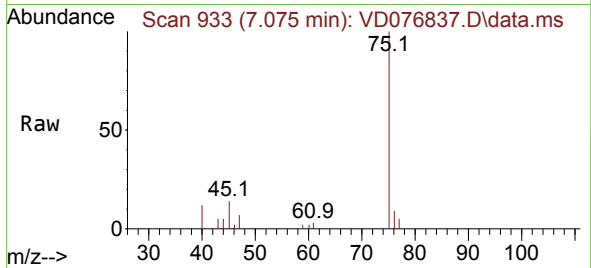




#25
2-Butanone
Concen: 1.888 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

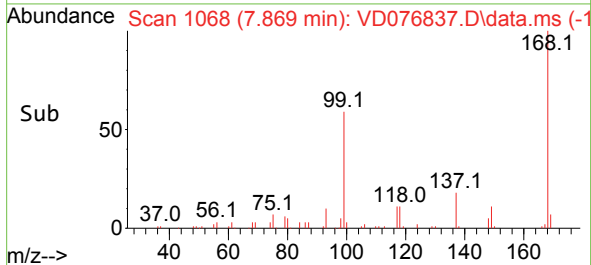
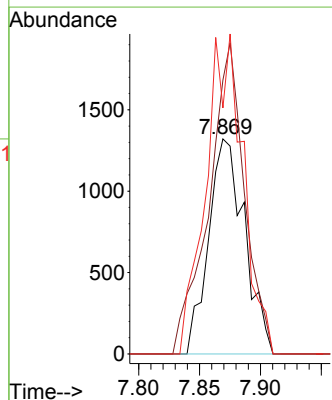
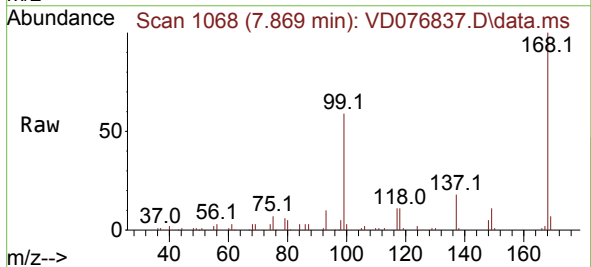
Instrument :
MSVOA_D
ClientSampleId :

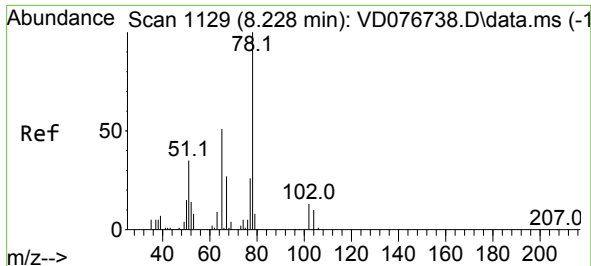
Tgt Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

Tgt Ion: 56 Resp: 2712
Ion Ratio Lower Upper
56 100
69 127.4 28.6 43.0#
84 114.5 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 68.304 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

Instrument :

MSVOA_D

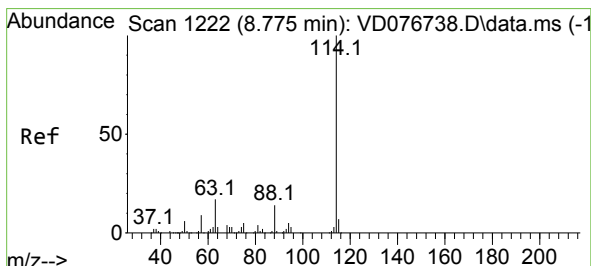
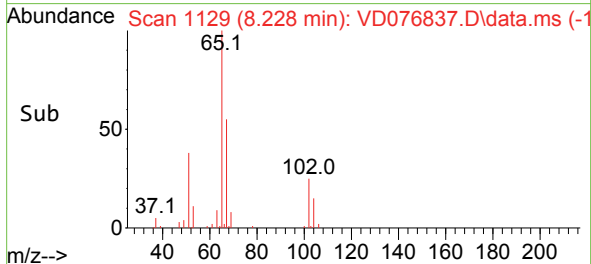
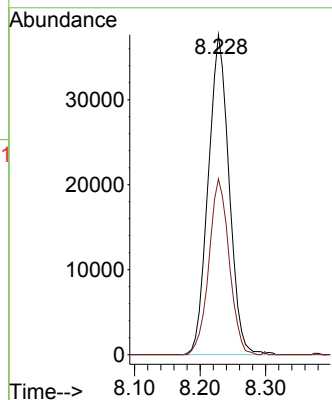
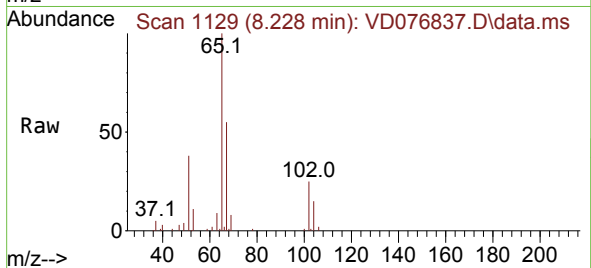
ClientSampleId :

Tgt Ion: 65 Resp: 83074

Ion Ratio Lower Upper

65 100

67 53.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

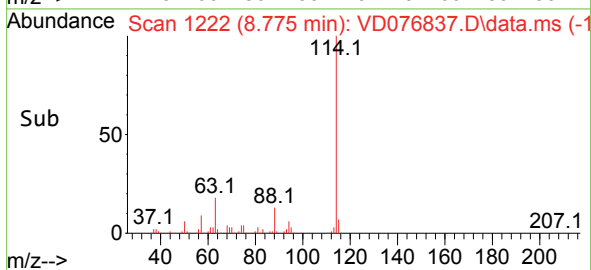
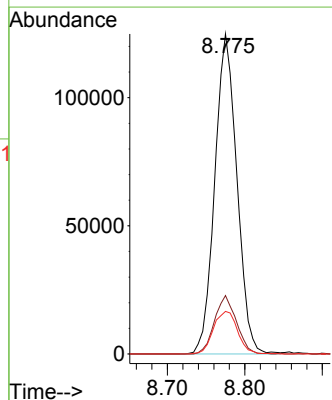
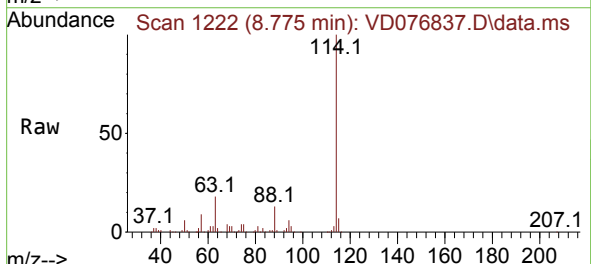
Tgt Ion: 114 Resp: 247586

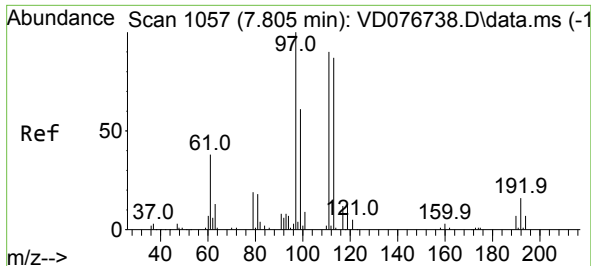
Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

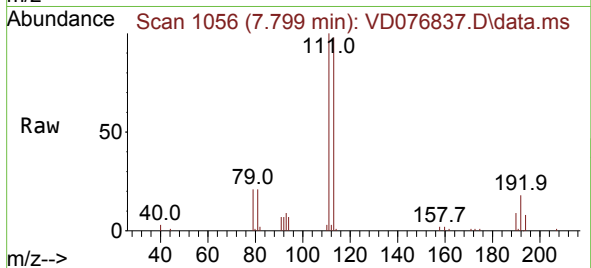
88 13.3 0.0 26.2



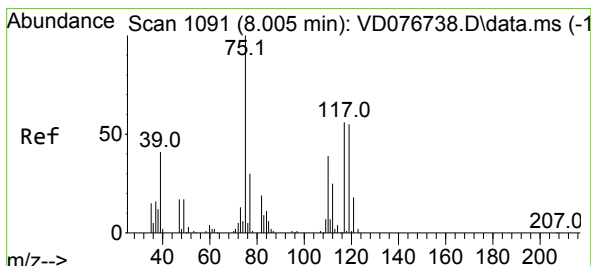
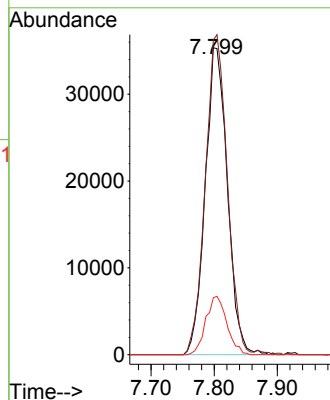
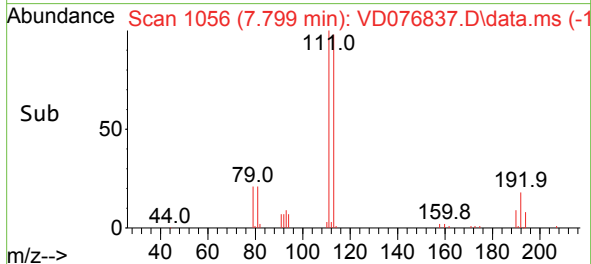


#35
Dibromofluoromethane
Concen: 55.512 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

Instrument :
MSVOA_D
ClientSampleId :

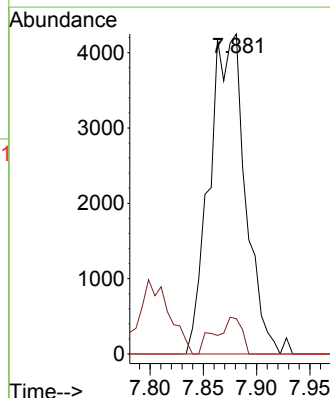
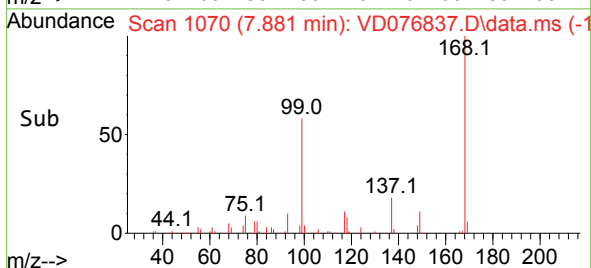
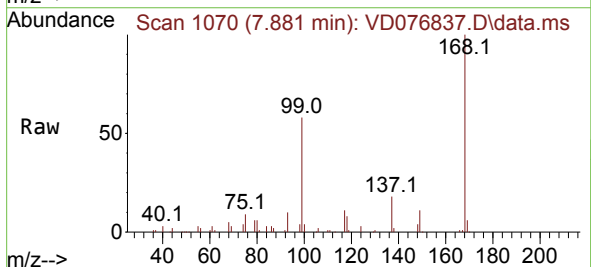


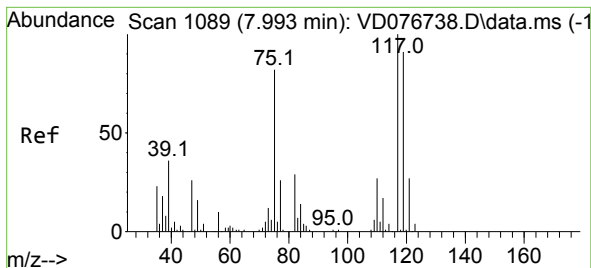
Tgt Ion:113 Resp: 86368
Ion Ratio Lower Upper
113 100
111 103.6 84.7 127.1
192 18.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.879 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

Tgt Ion: 75 Resp: 9920
Ion Ratio Lower Upper
75 100
110 8.4 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.587 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

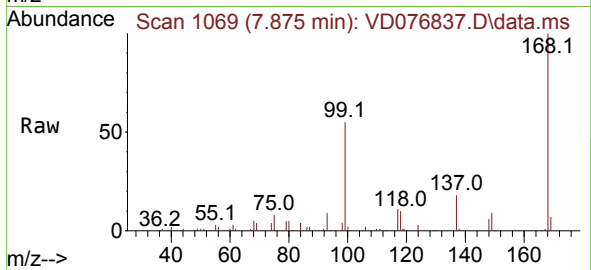
Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :



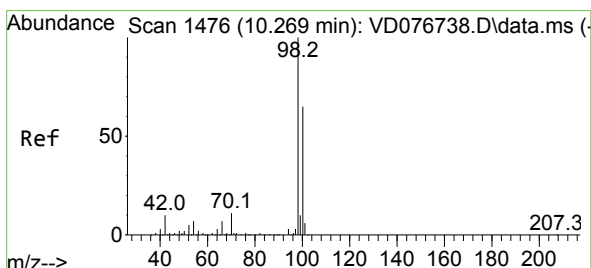
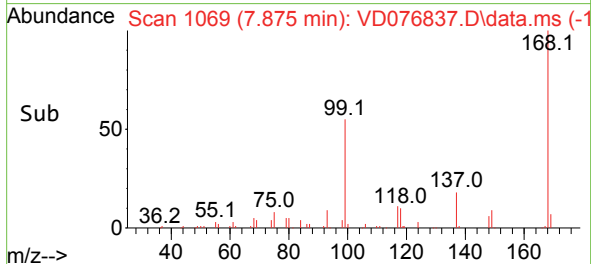
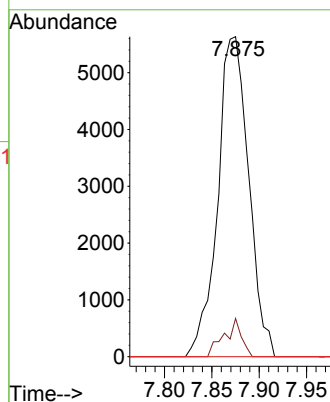
Tgt Ion:117 Resp: 12822

Ion Ratio Lower Upper

117 100

119 11.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.368 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076837.D

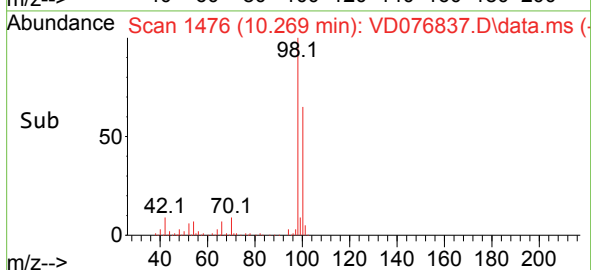
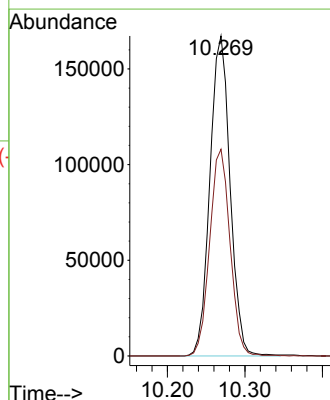
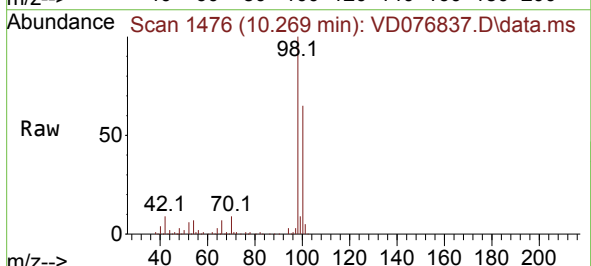
Acq: 27 Jul 2023 16:39

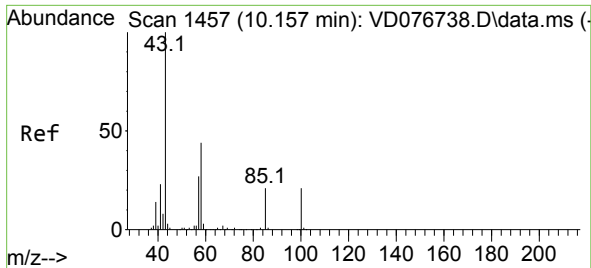
Tgt Ion: 98 Resp: 302603

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

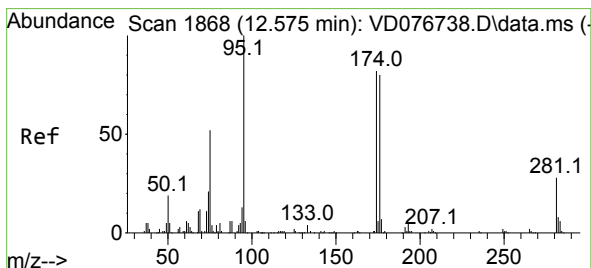
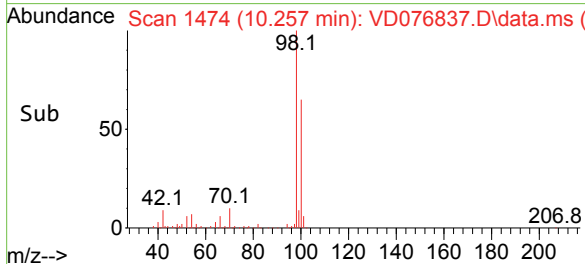
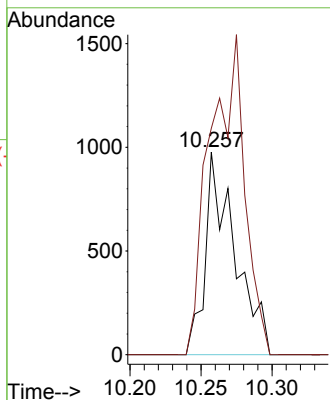
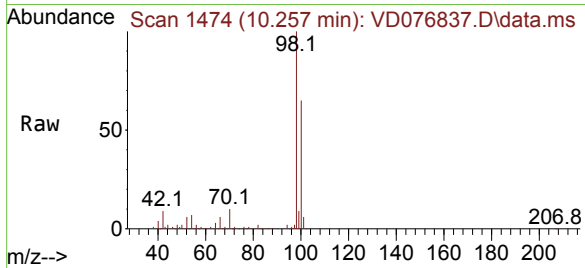




#51
4-Methyl-2-Pentanone
Concen: 1.494 ug/l
RT: 10.257 min Scan# 1457
Delta R.T. 0.100 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

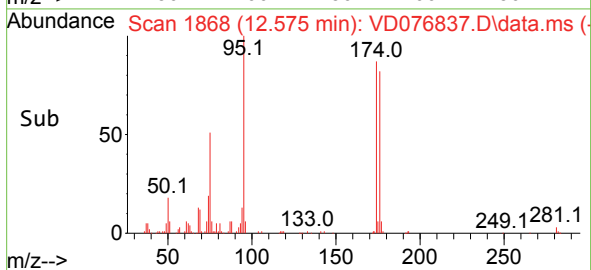
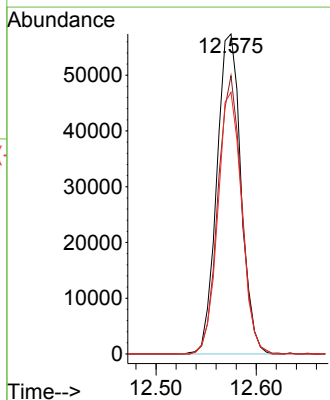
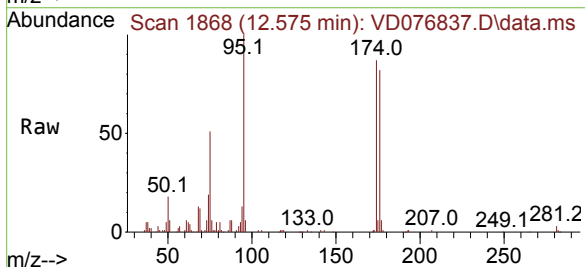
Instrument :
MSVOA_D
ClientSampleId :

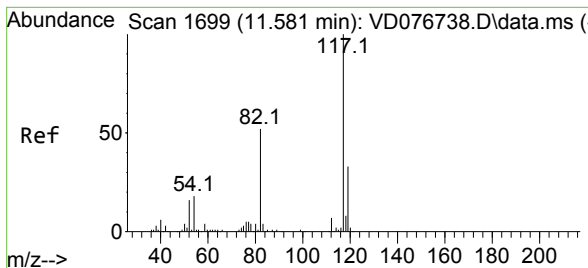
Tgt Ion: 43 Resp: 1411
Ion Ratio Lower Upper
43 100
58 185.5 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 53.211 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

Tgt Ion: 95 Resp: 95810
Ion Ratio Lower Upper
95 100
174 85.0 0.0 201.8
176 81.1 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :

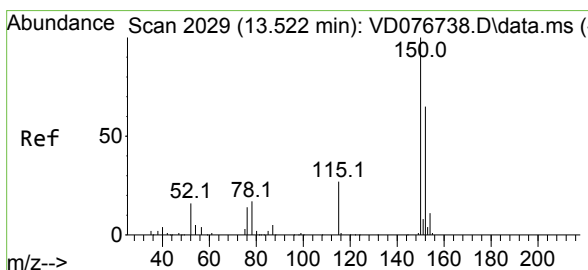
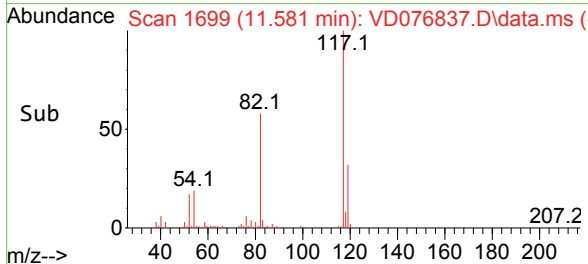
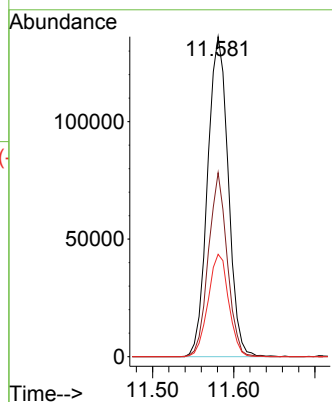
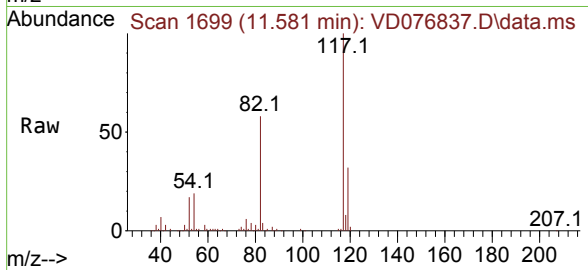
Tgt Ion:117 Resp: 240512

Ion Ratio Lower Upper

117 100

82 57.5 38.3 57.5#

119 32.0 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

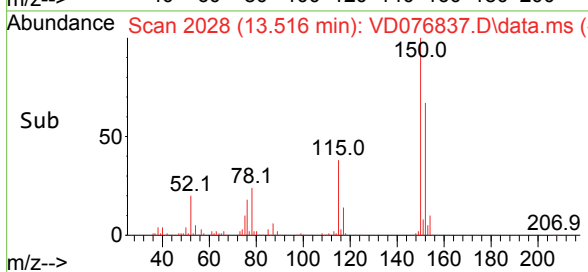
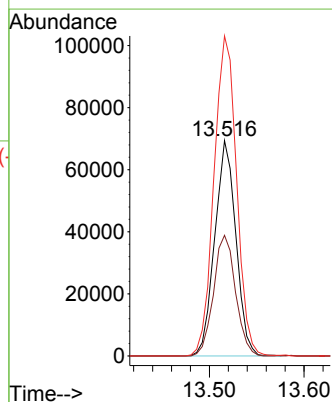
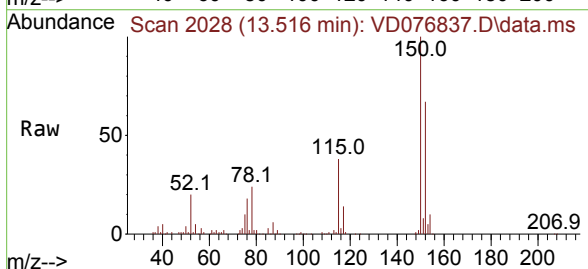
Tgt Ion:152 Resp: 107743

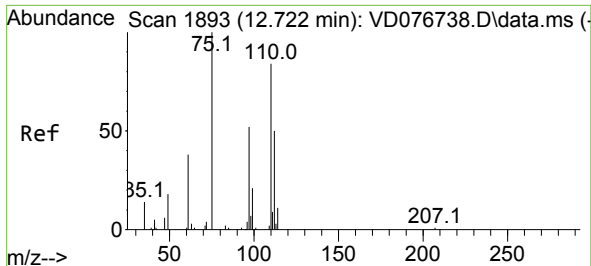
Ion Ratio Lower Upper

152 100

115 58.1 27.1 81.3

150 158.3 0.0 353.6

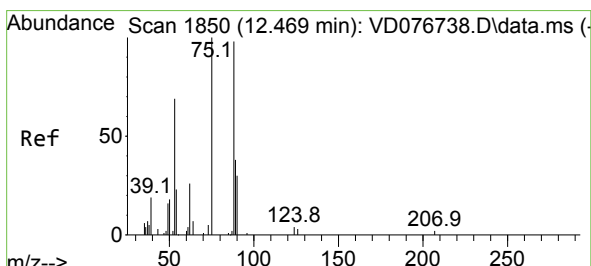
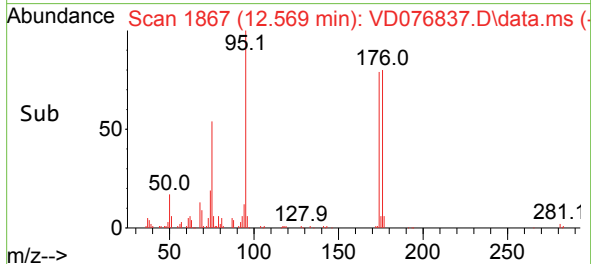
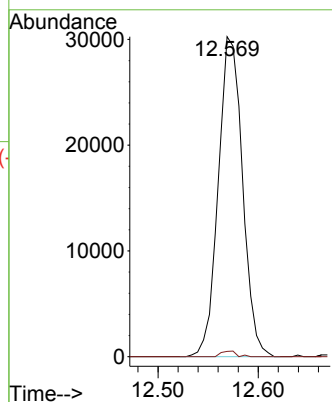
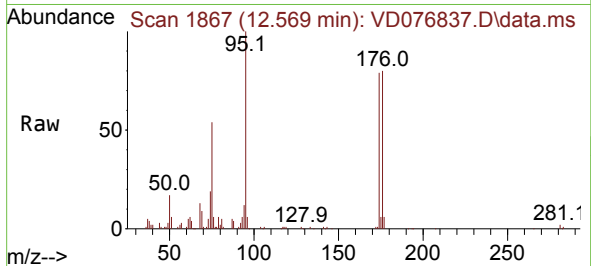




#76
1,2,3-Trichloropropane
Concen: 49.571 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

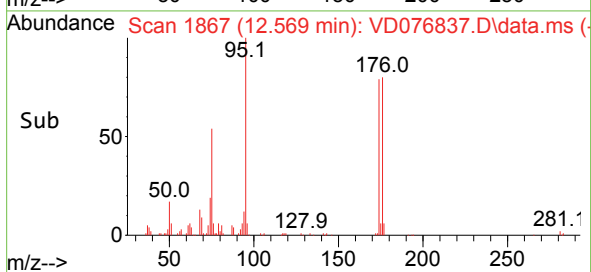
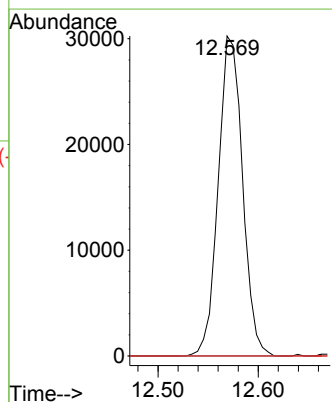
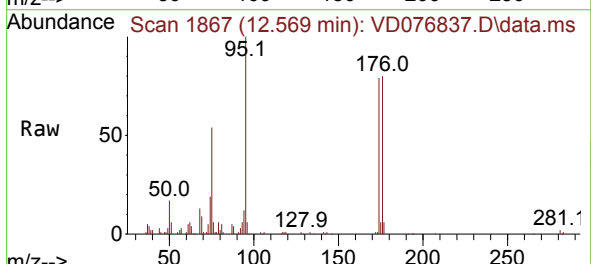
Instrument :
MSVOA_D
ClientSampleId :

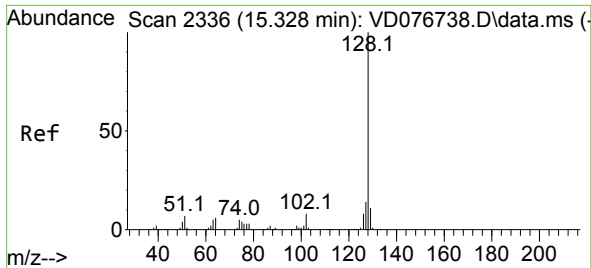
Tgt Ion: 75 Resp: 50792
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.501 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076837.D
Acq: 27 Jul 2023 16:39

Tgt Ion: 75 Resp: 50792
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#95

Naphthalene

Concen: 1.094 ug/l

RT: 15.339 min Scan# 21

Delta R.T. 0.011 min

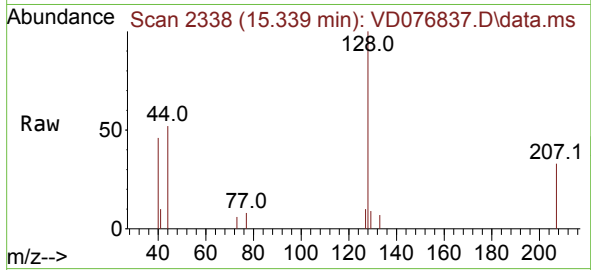
Lab File: VD076837.D

Acq: 27 Jul 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:128 Resp: 4728

Ion Ratio Lower Upper

128 100

127 9.8 10.5 15.7#

129 8.7 8.7 13.1

