

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
 Data File : VD073611.D
 Acq On : 16 Jun 2022 12:10
 Operator : VA/SY
 Sample : N3329-03RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PALMYRA-RT-73-COMP-2

Quant Time: Jun 16 15:11:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

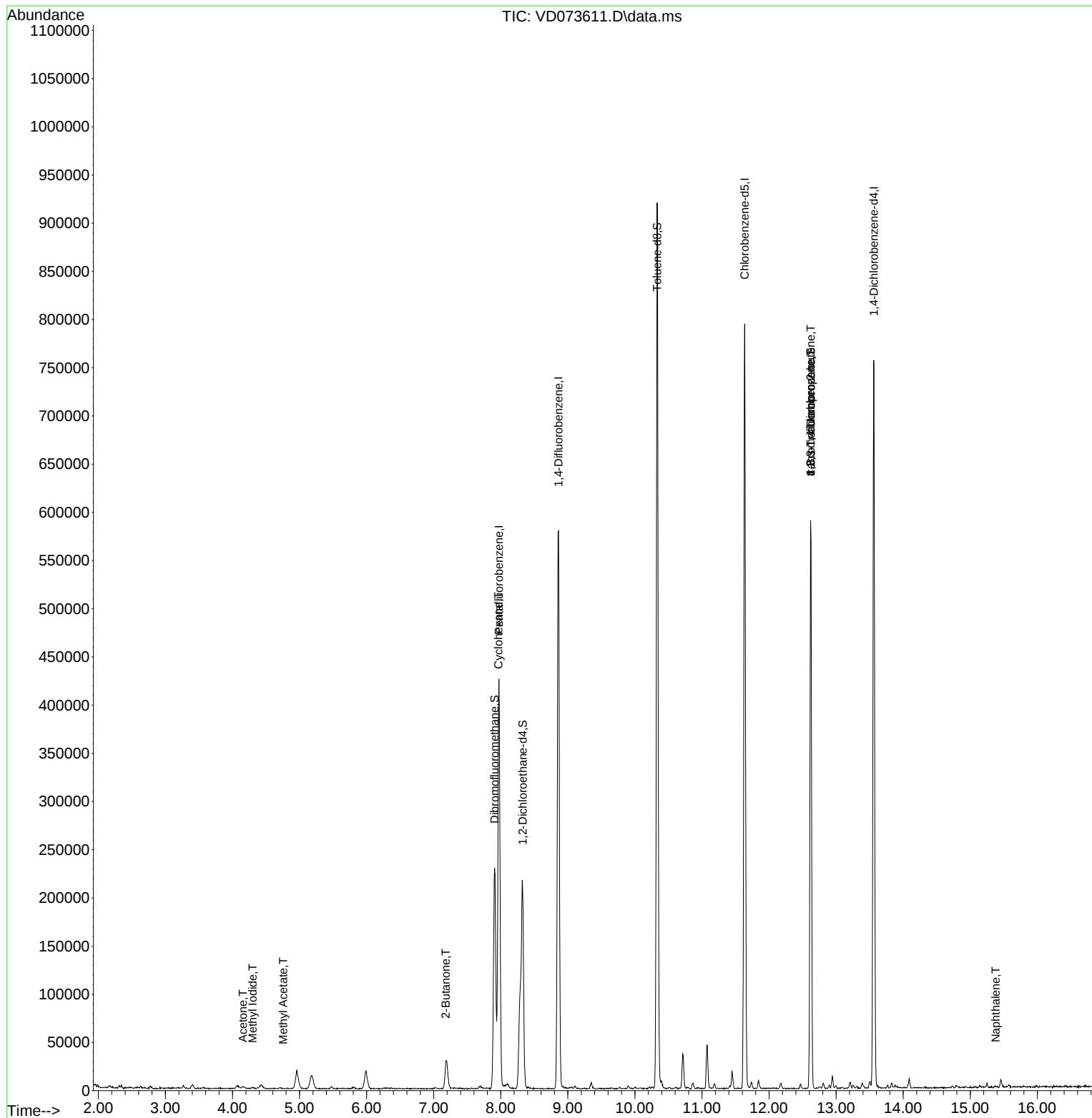
Internal Standards						
1) Pentafluorobenzene	7.973	168	305683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	517809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	472240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	209841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	162150	49.430	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.860%
35) Dibromofluoromethane	7.908	113	166845	50.108	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.220%
50) Toluene-d8	10.332	98	608171	48.309	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.620%
62) 4-Bromofluorobenzene	12.620	95	194126	42.476	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.960%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	1461	4.528	ug/l #	74
11) Tert butyl alcohol	5.185	59	13120	Below Cal	#	74
16) Acetone	4.156	43	3695	6.397	ug/l	97
18) Methyl Acetate	4.756	43	57	1.403	ug/l #	55
25) 2-Butanone	7.179	43	2074	2.440	ug/l	97
31) Cyclohexane	7.967	56	8298	1.502	ug/l #	23
76) 1,2,3-Trichloropropane	12.620	75	99529	48.824	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	99529	114.598	ug/l #	7
95) Naphthalene	15.379	128	1259	4.356	ug/l #	77

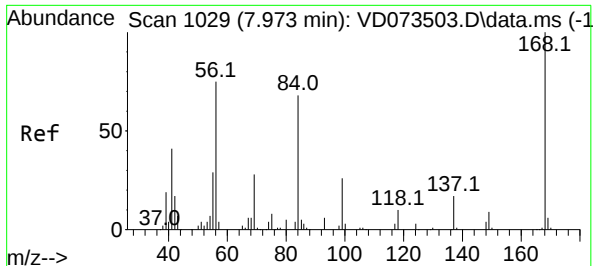
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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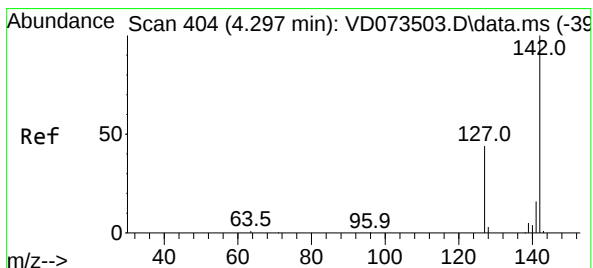
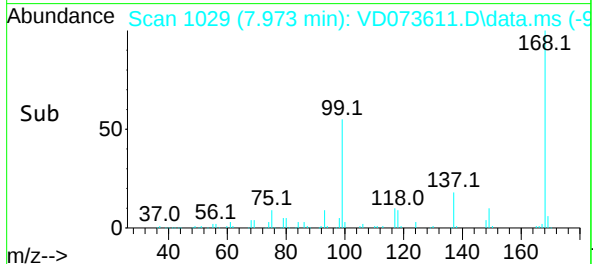
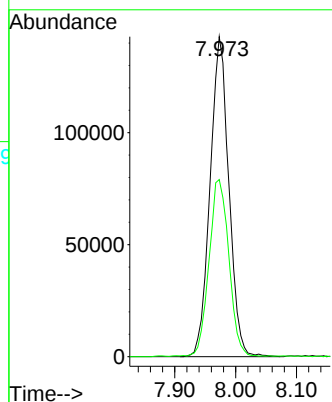
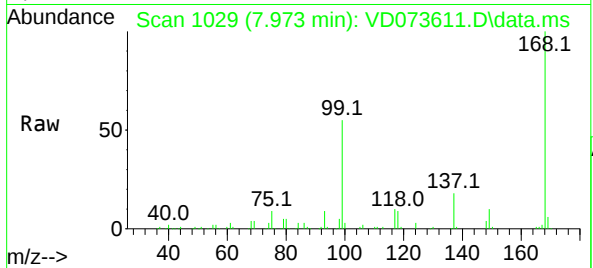




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073611.D
Acq: 16 Jun 2022 12:10

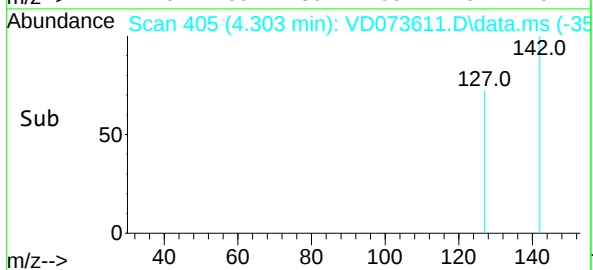
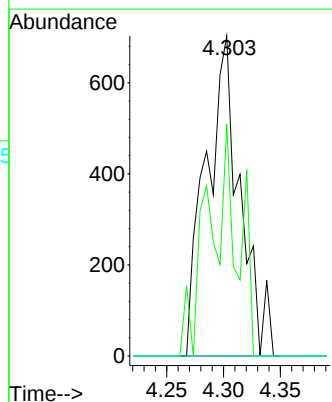
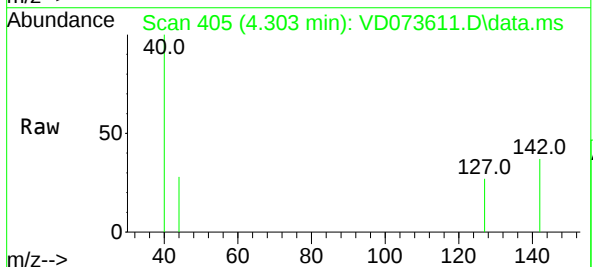
Instrument :
MSVOA_D
ClientSampleId :
PALMYRA-RT-73-COMP-2

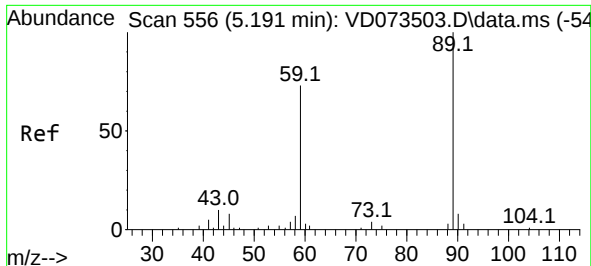
Tgt Ion:168 Resp: 305683
Ion Ratio Lower Upper
168 100
99 55.2 49.8 74.6



#10
Methyl Iodide
Concen: 4.528 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD073611.D
Acq: 16 Jun 2022 12:10

Tgt Ion:142 Resp: 1461
Ion Ratio Lower Upper
142 100
127 31.3 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.185 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD073611.D

Acq: 16 Jun 2022 12:10

Instrument :

MSVOA_D

ClientSampleId :

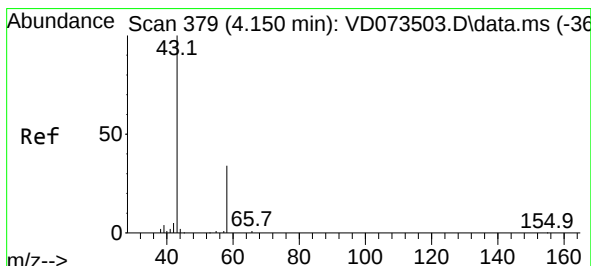
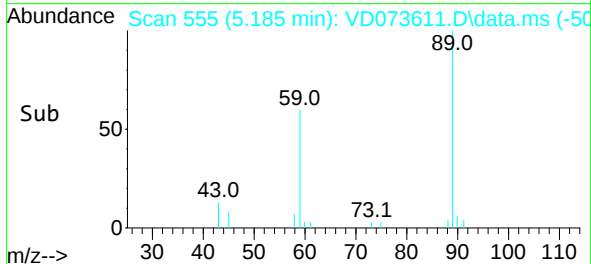
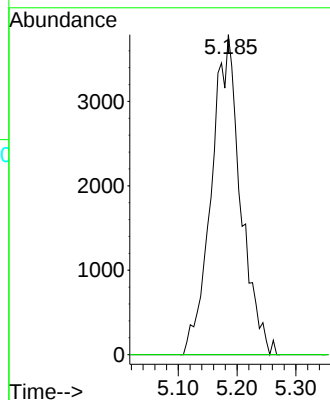
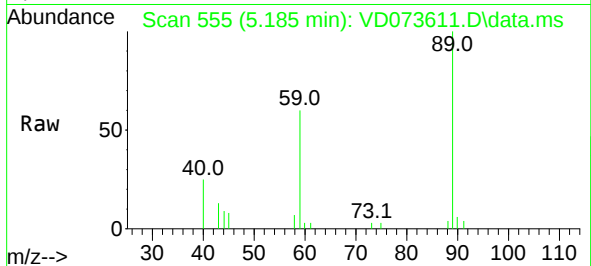
PALMYRA-RT-73-COMP-2

Tgt Ion: 59 Resp: 13120

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 6.397 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD073611.D

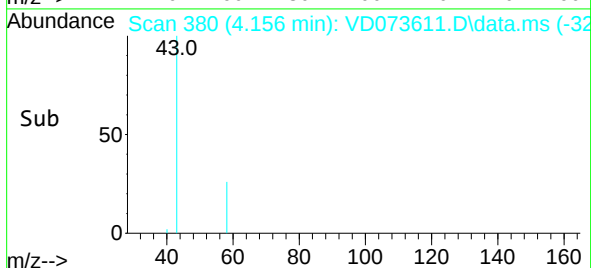
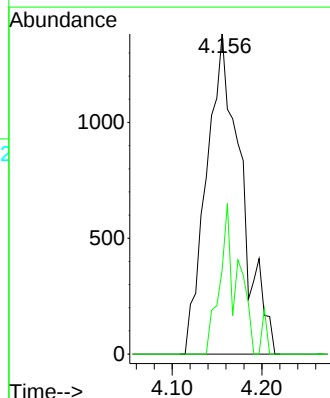
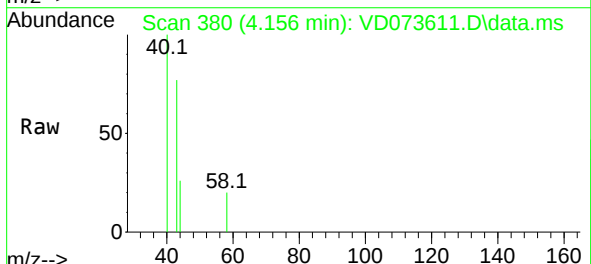
Acq: 16 Jun 2022 12:10

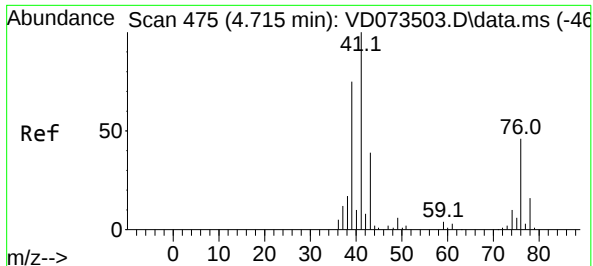
Tgt Ion: 43 Resp: 3695

Ion Ratio Lower Upper

43 100

58 26.2 22.1 33.1





#18

Methyl Acetate

Concen: 1.403 ug/l

RT: 4.756 min Scan# 41

Delta R.T. 0.041 min

Lab File: VD073611.D

Acq: 16 Jun 2022 12:10

Instrument :

MSVOA_D

ClientSampleId :

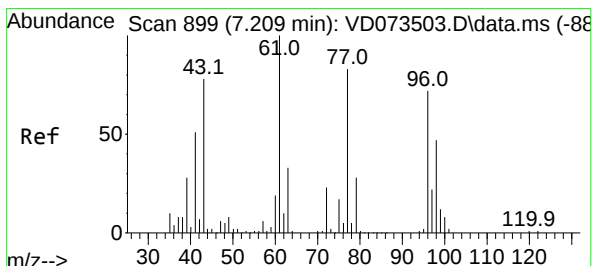
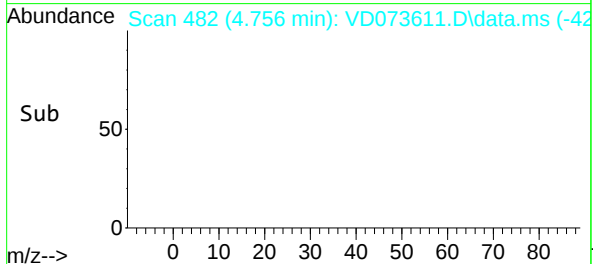
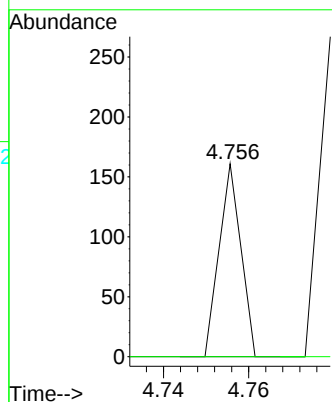
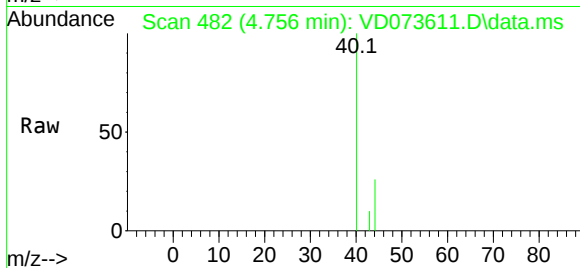
PALMYRA-RT-73-COMP-2

Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#25

2-Butanone

Concen: 2.440 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.030 min

Lab File: VD073611.D

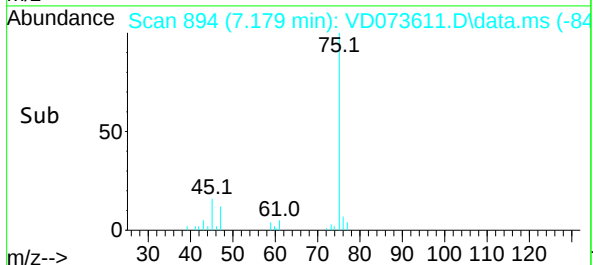
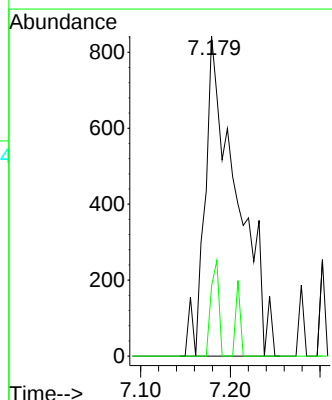
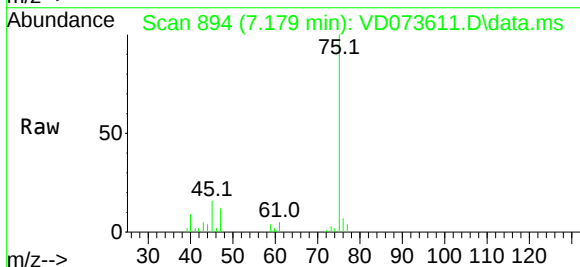
Acq: 16 Jun 2022 12:10

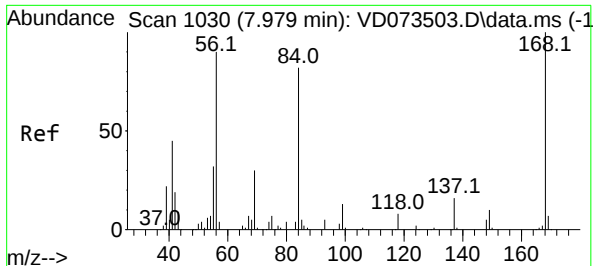
Tgt Ion: 43 Resp: 2074

Ion Ratio Lower Upper

43 100

72 21.8 18.6 27.8





#31

Cyclohexane

Concen: 1.502 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073611.D

Acq: 16 Jun 2022 12:10

Instrument :

MSVOA_D

ClientSampleId :

PALMYRA-RT-73-COMP-2

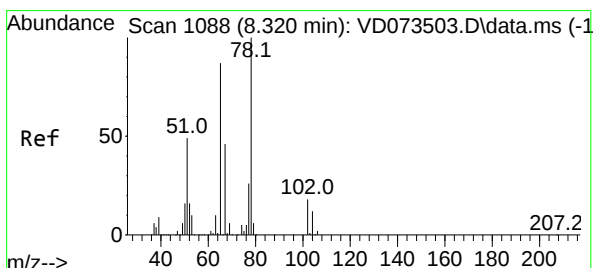
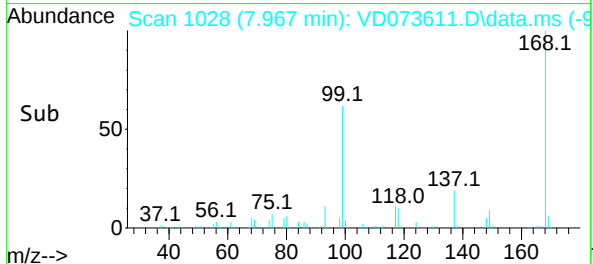
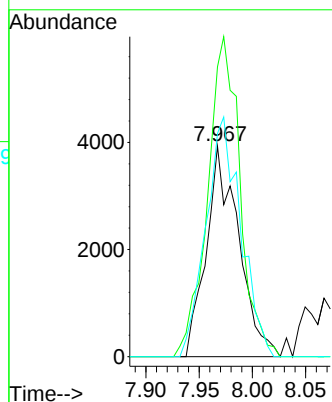
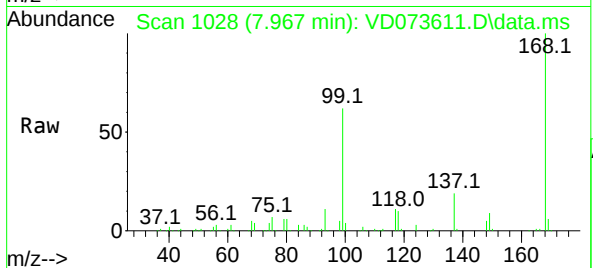
Tgt Ion: 56 Resp: 8298

Ion Ratio Lower Upper

56 100

69 137.7 25.4 38.2#

84 106.0 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 49.430 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD073611.D

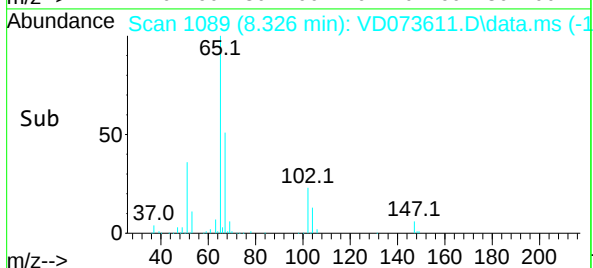
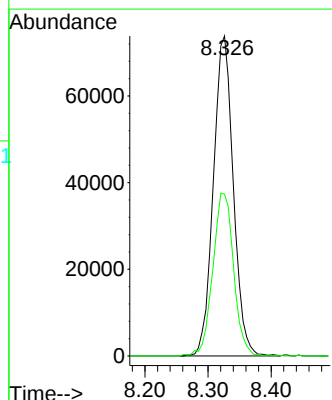
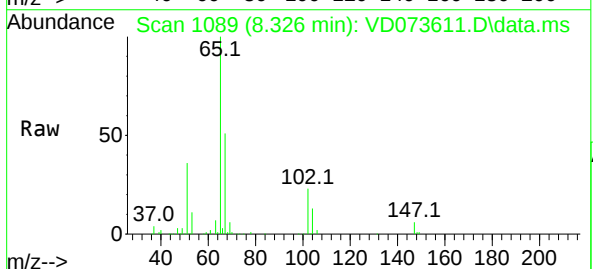
Acq: 16 Jun 2022 12:10

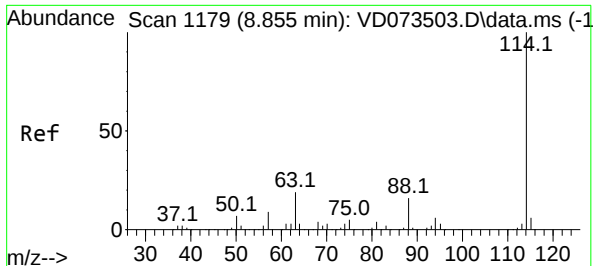
Tgt Ion: 65 Resp: 162150

Ion Ratio Lower Upper

65 100

67 53.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073611.D

Acq: 16 Jun 2022 12:10

Instrument :

MSVOA_D

ClientSampleId :

PALMYRA-RT-73-COMP-2

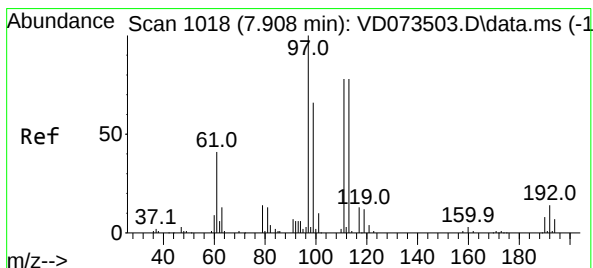
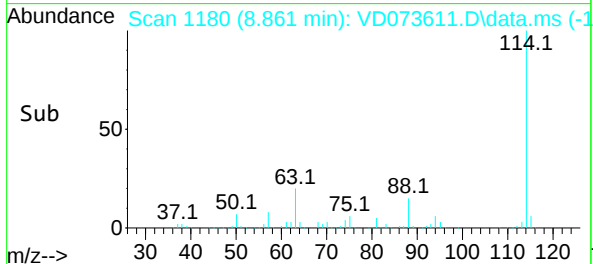
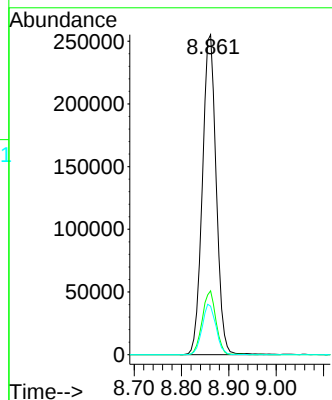
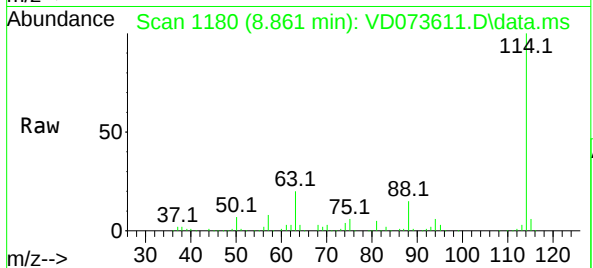
Tgt Ion:114 Resp: 517809

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.108 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073611.D

Acq: 16 Jun 2022 12:10

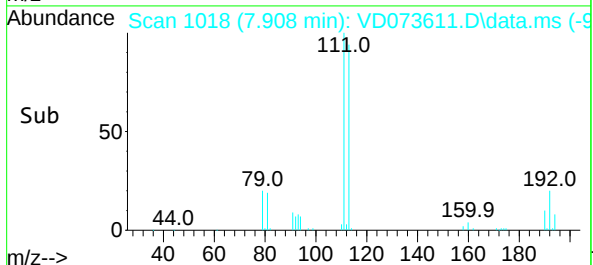
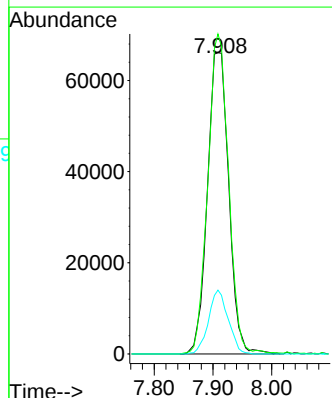
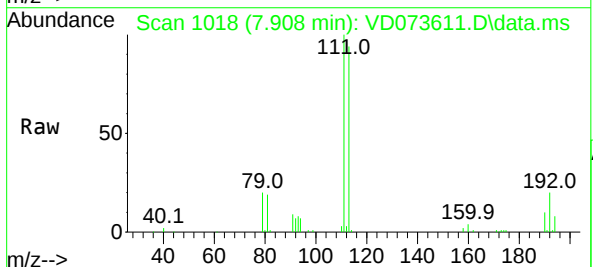
Tgt Ion:113 Resp: 166845

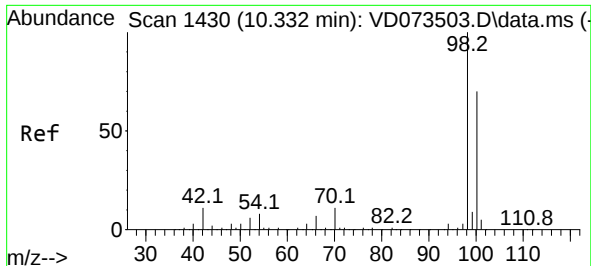
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 19.5 14.6 21.8

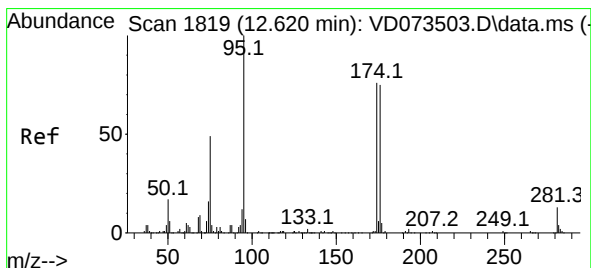
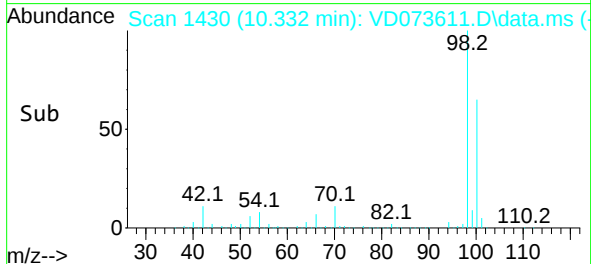
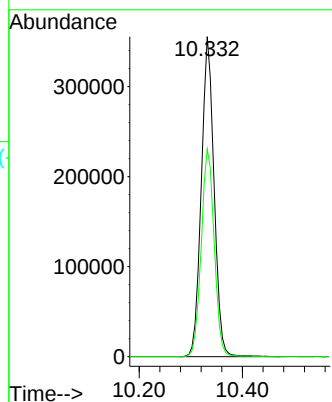
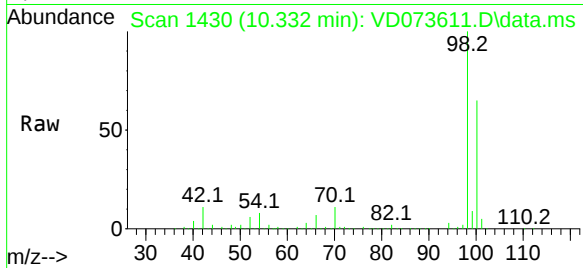




#50
Toluene-d8
Concen: 48.309 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073611.D
Acq: 16 Jun 2022 12:10

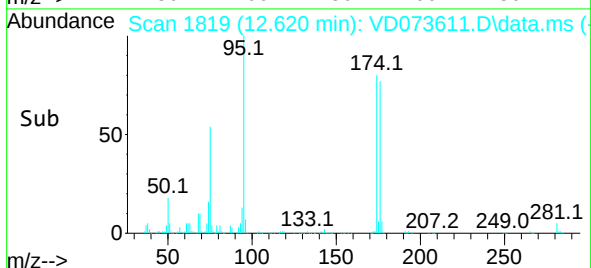
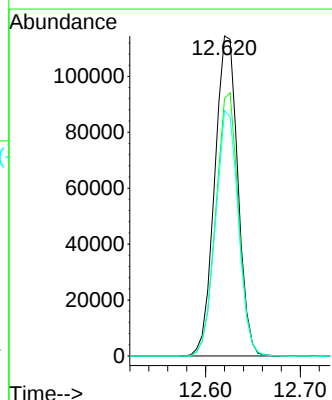
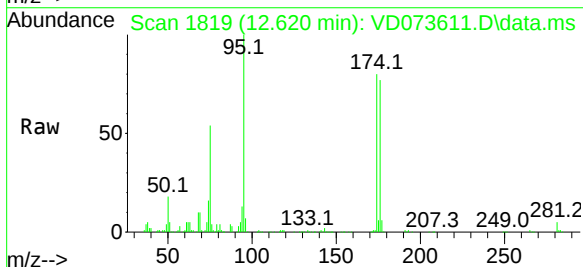
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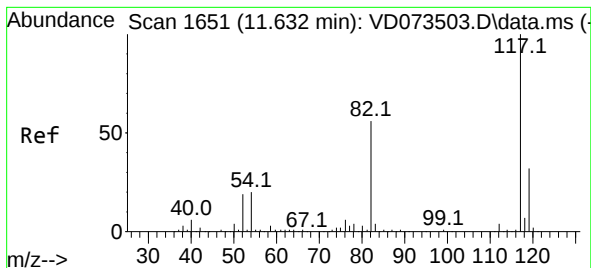
Tgt Ion: 98 Resp: 608171
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 42.476 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073611.D
Acq: 16 Jun 2022 12:10

Tgt Ion: 95 Resp: 194126
Ion Ratio Lower Upper
95 100
174 80.6 0.0 152.8
176 75.9 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD073611.D

Acq: 16 Jun 2022 12:10

Instrument :

MSVOA_D

ClientSampleId :

PALMYRA-RT-73-COMP-2

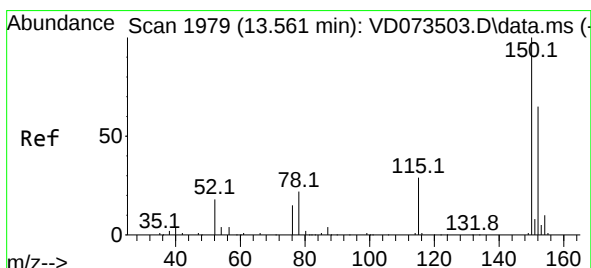
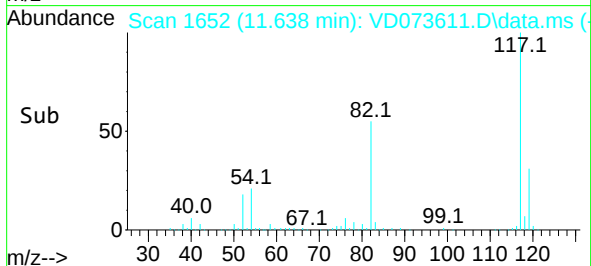
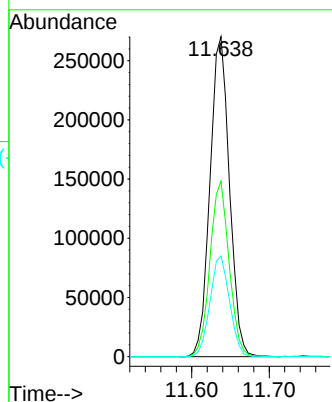
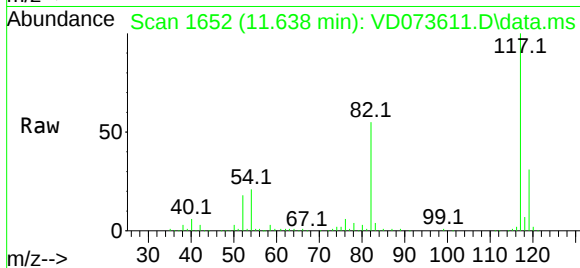
Tgt Ion:117 Resp: 472240

Ion Ratio Lower Upper

117 100

82 54.9 45.3 67.9

119 31.5 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: VD073611.D

Acq: 16 Jun 2022 12:10

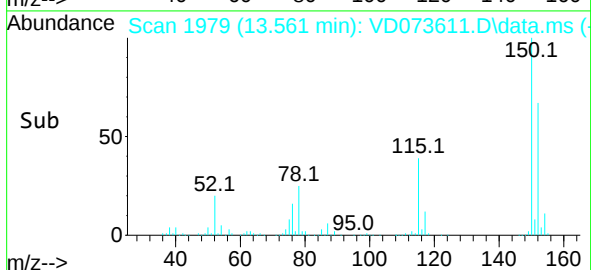
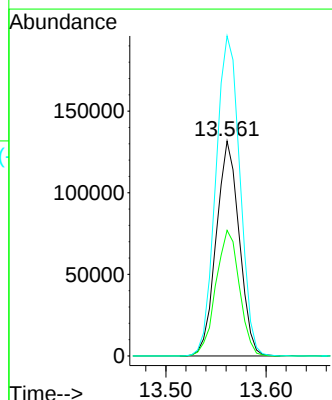
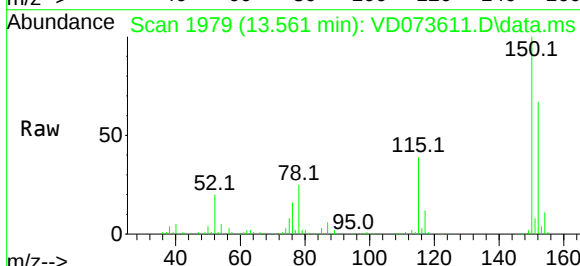
Tgt Ion:152 Resp: 209841

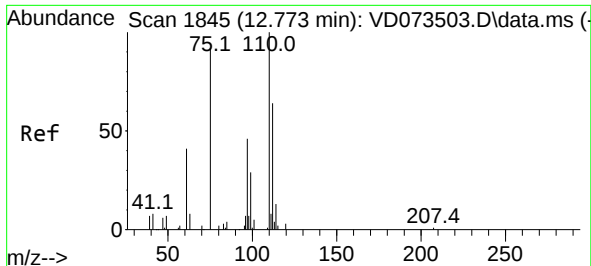
Ion Ratio Lower Upper

152 100

115 60.0 31.3 93.8

150 156.0 0.0 348.6

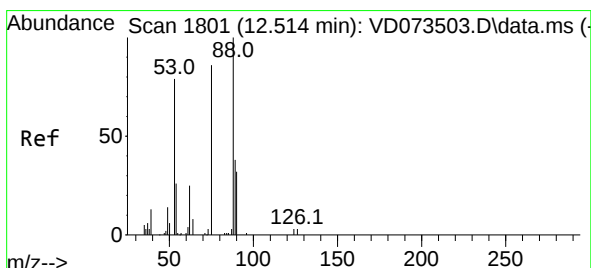
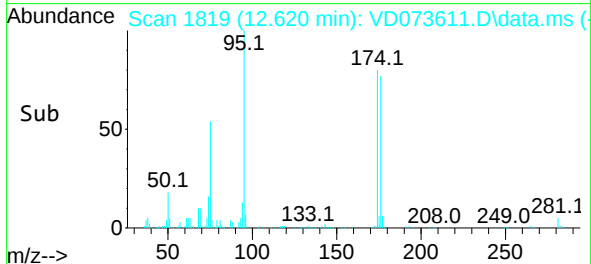
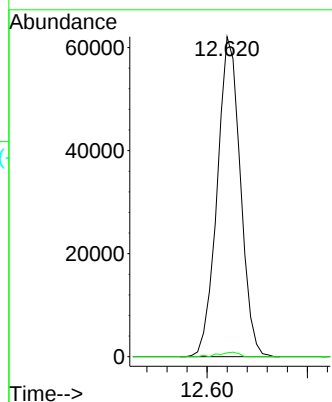
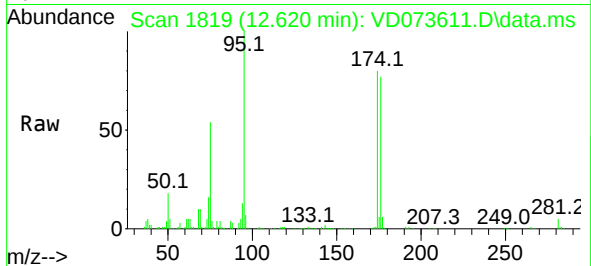




#76
1,2,3-Trichloropropane
Concen: 48.824 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073611.D
Acq: 16 Jun 2022 12:10

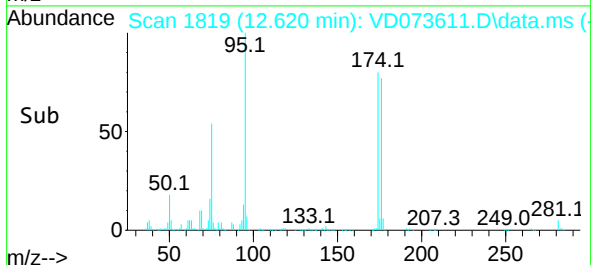
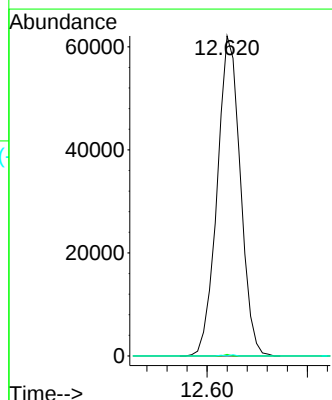
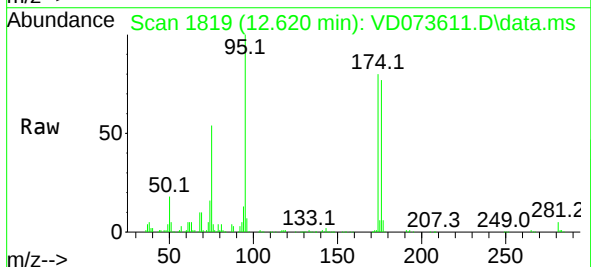
Instrument : MSVOA_D
ClientSampleId : PALMYRA-RT-73-COMP-2

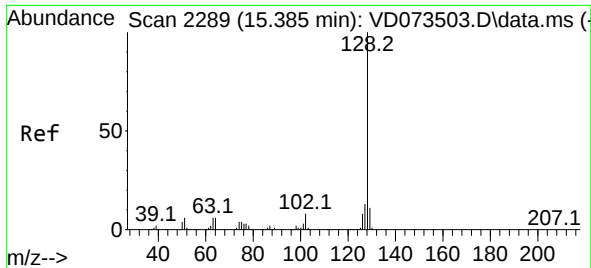
Tgt Ion: 75 Resp: 99529
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.598 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073611.D
Acq: 16 Jun 2022 12:10

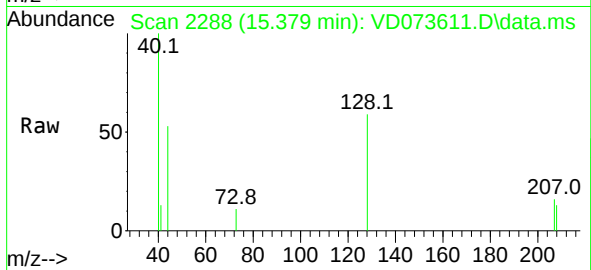
Tgt Ion: 75 Resp: 99529
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 4.356 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073611.D
Acq: 16 Jun 2022 12:10

Instrument :
MSVOA_D
ClientSampleId :
PALMYRA-RT-73-COMP-2



Tgt Ion:128 Resp: 1259
Ion Ratio Lower Upper
128 100
127 5.5 10.3 15.5#
129 0.0 8.4 12.6#

