

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073303.D
 Acq On : 24 May 2022 01:57
 Operator : VA/SY
 Sample : N2949-03
 Misc : 4.26G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-0006-01

Quant Time: May 24 03:31:50 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)

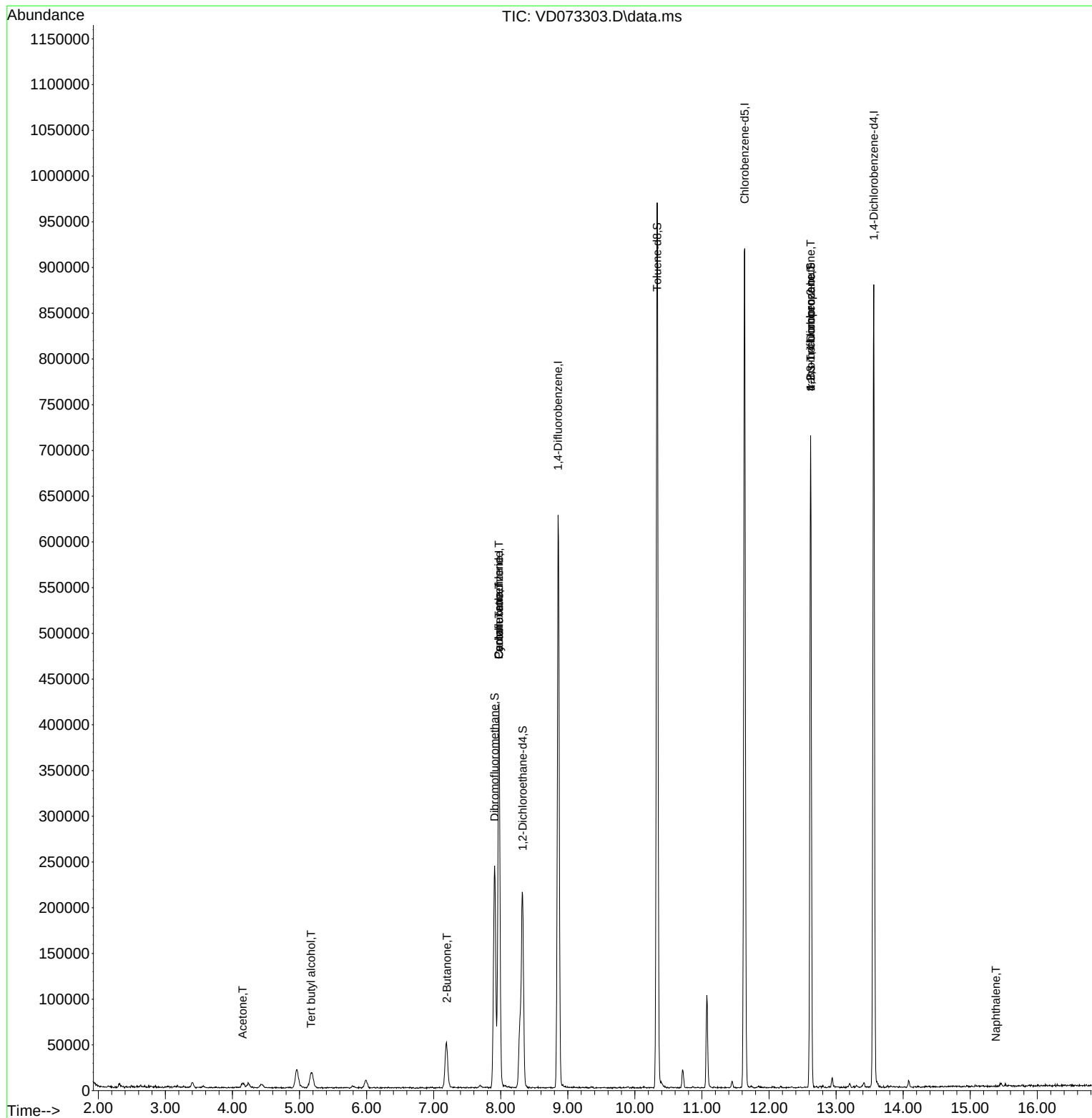
Internal Standards						
1) Pentafluorobenzene	7.973	168	292553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	528517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	546289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	232325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	165226	51.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.200%
35) Dibromofluoromethane	7.909	113	180034	51.623	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.240%
50) Toluene-d8	10.332	98	646003	50.250	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.620	95	230130	51.008	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.020%
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	811	Below Cal	#	45
11) Tert butyl alcohol	5.173	59	16607	33.107	ug/l #	76
16) Acetone	4.150	43	10688	19.085	ug/l	98
25) 2-Butanone	7.197	43	3206	3.913	ug/l #	52
31) Cyclohexane	7.973	56	6632	1.174	ug/l #	12
38) Carbon Tetrachloride	7.973	117	31530	5.930	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	118977	52.194	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	118977	125.302	ug/l #	7
95) Naphthalene	15.385	128	149	3.560	ug/l #	70

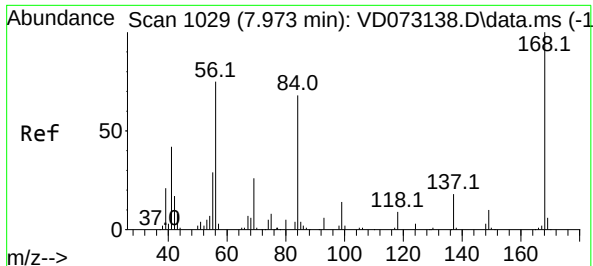
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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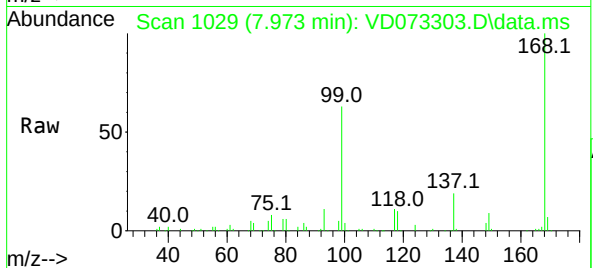
Quant Time: May 24 03:31:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration



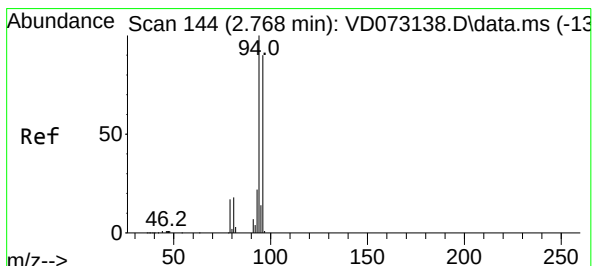
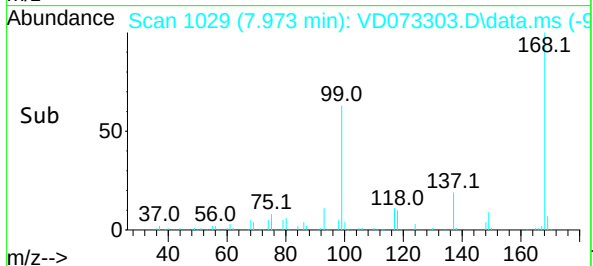
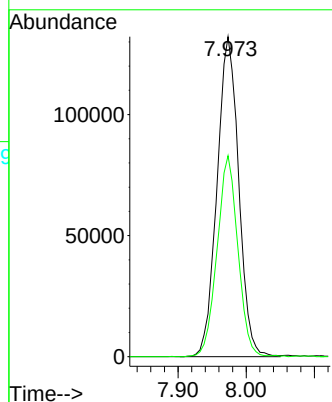


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073303.D
Acq: 24 May 2022 01:57

Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0006-01

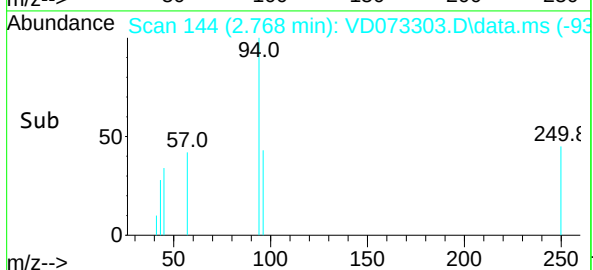
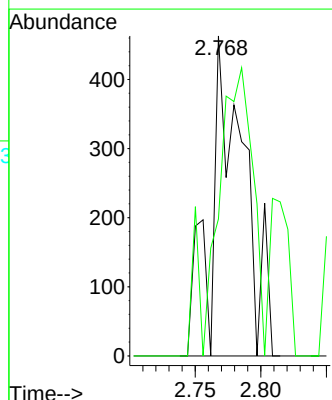
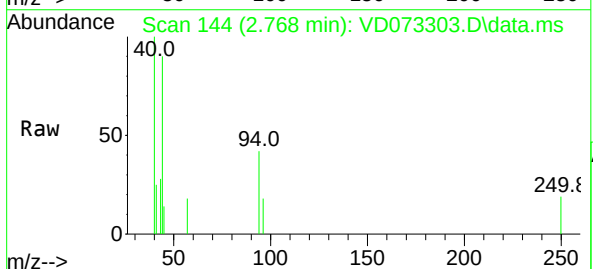


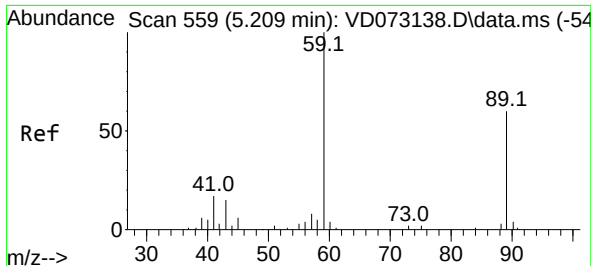
Tgt Ion:168 Resp: 292553
Ion Ratio Lower Upper
168 100
99 62.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073303.D
Acq: 24 May 2022 01:57

Tgt Ion: 94 Resp: 811
Ion Ratio Lower Upper
94 100
96 42.8 77.6 116.4#

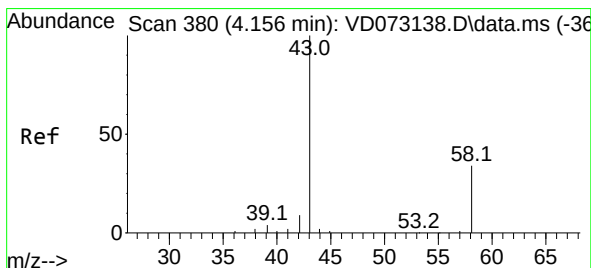
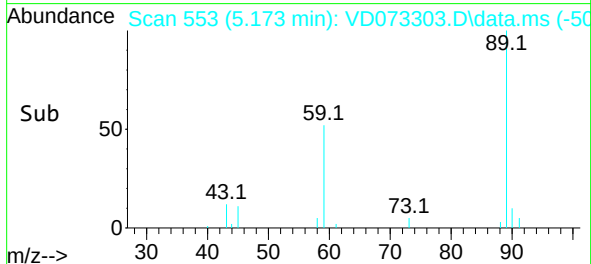
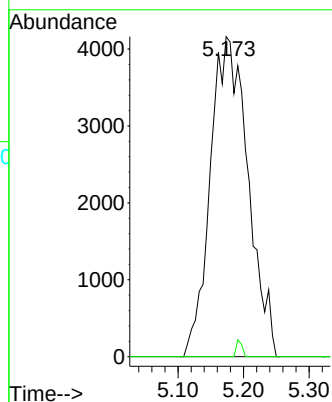
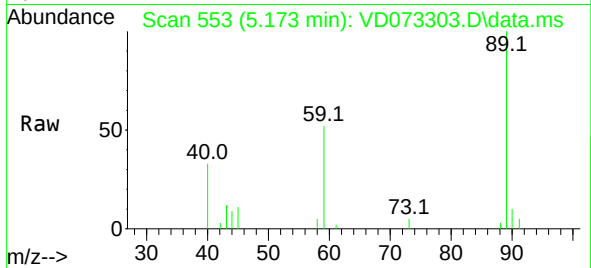




#11
Tert butyl alcohol
Concen: 33.107 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073303.D
Acq: 24 May 2022 01:57

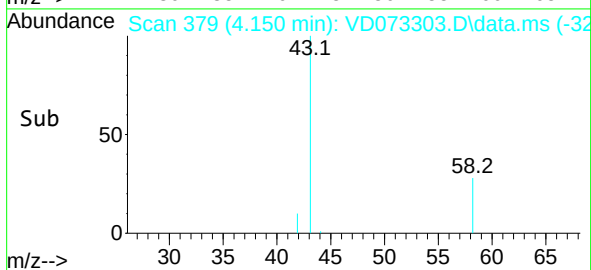
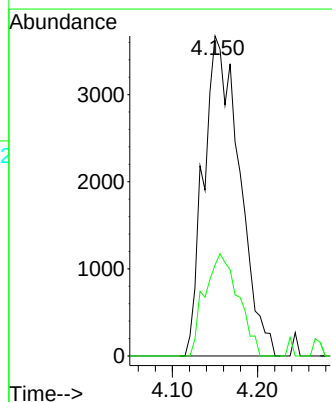
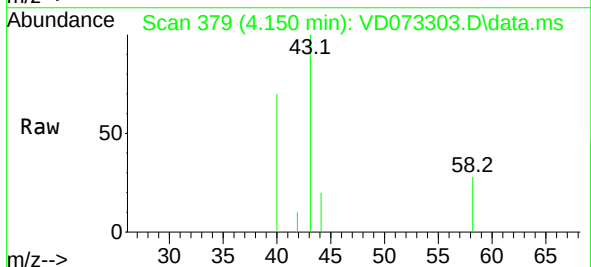
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0006-01

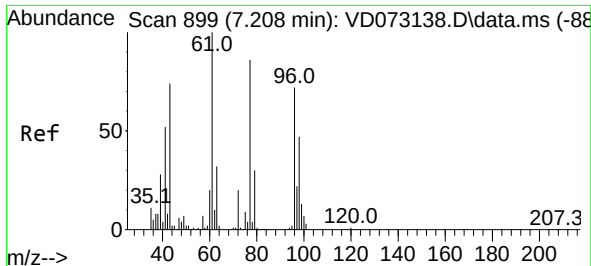
Tgt Ion: 59 Resp: 16607
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.6#



#16
Acetone
Concen: 19.085 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073303.D
Acq: 24 May 2022 01:57

Tgt Ion: 43 Resp: 10688
Ion Ratio Lower Upper
43 100
58 28.5 22.1 33.1





#25

2-Butanone

Concen: 3.913 ug/l

RT: 7.197 min Scan# 89

Delta R.T. -0.011 min

Lab File: VD073303.D

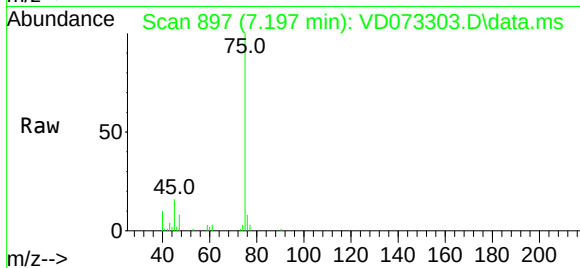
Acq: 24 May 2022 01:57

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-0006-01

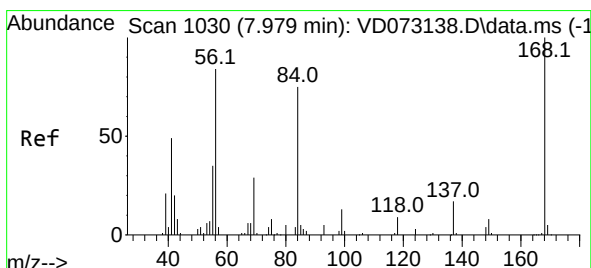
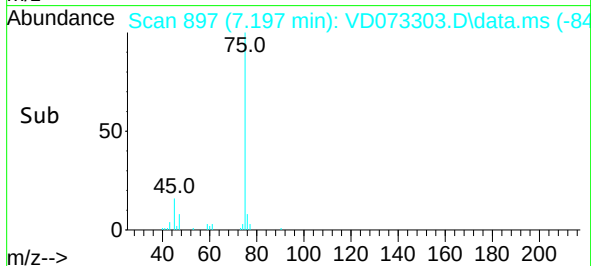
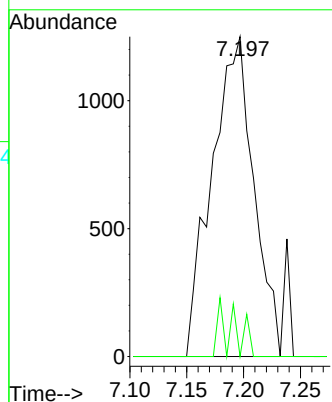


Tgt Ion: 43 Resp: 3206

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073303.D

Acq: 24 May 2022 01:57

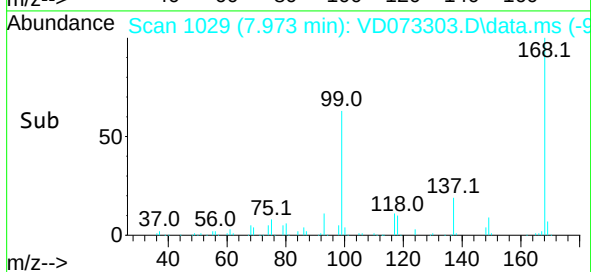
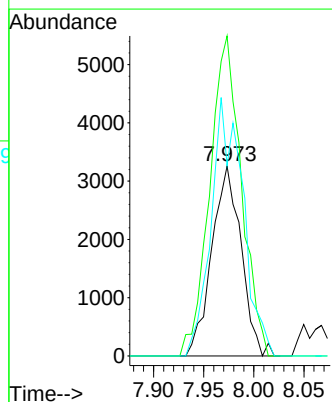
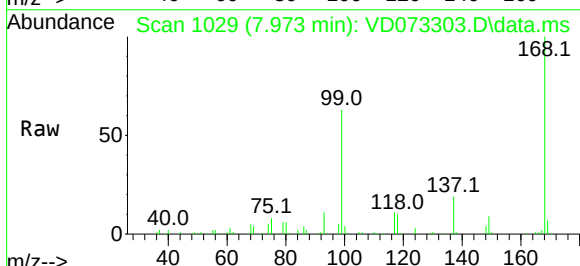
Tgt Ion: 56 Resp: 6632

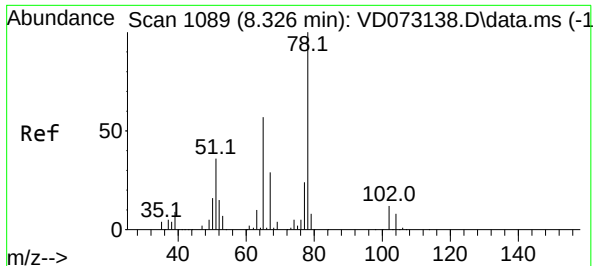
Ion Ratio Lower Upper

56 100

69 168.5 25.4 38.2#

84 100.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.104 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073303.D

Acq: 24 May 2022 01:57

Instrument :

MSVOA_D

ClientSampleId :

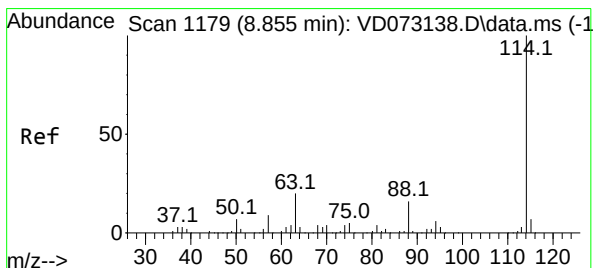
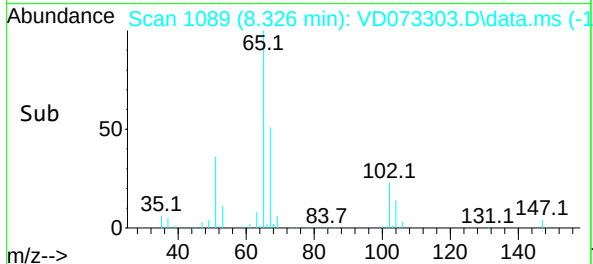
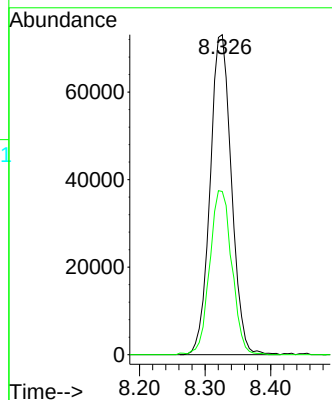
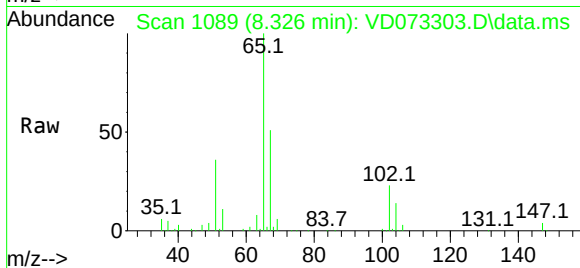
P043-SS001-0006-01

Tgt Ion: 65 Resp: 165226

Ion Ratio Lower Upper

65 100

67 53.2 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: VD073303.D

Acq: 24 May 2022 01:57

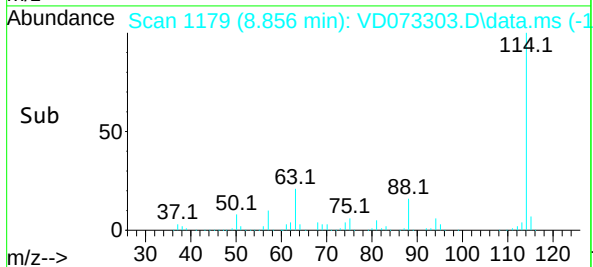
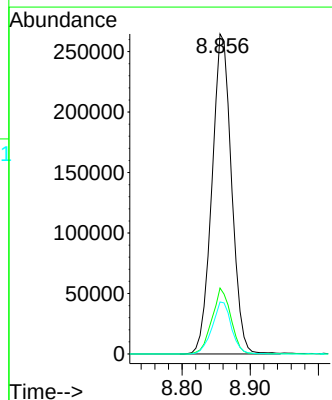
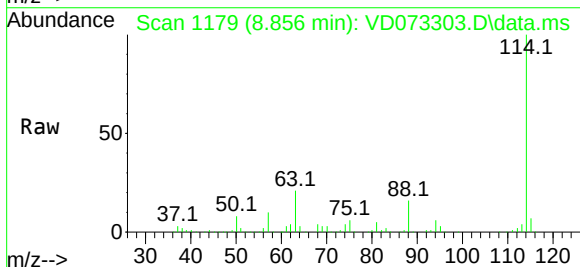
Tgt Ion: 114 Resp: 528517

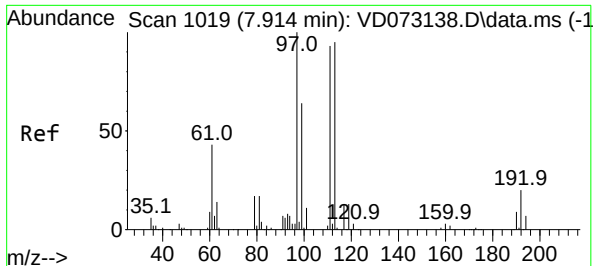
Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.623 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073303.D

Acq: 24 May 2022 01:57

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-0006-01

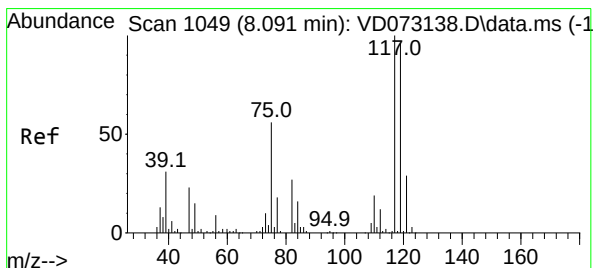
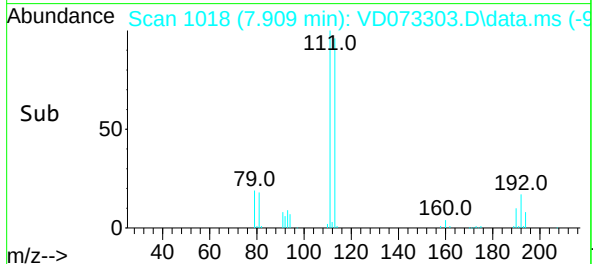
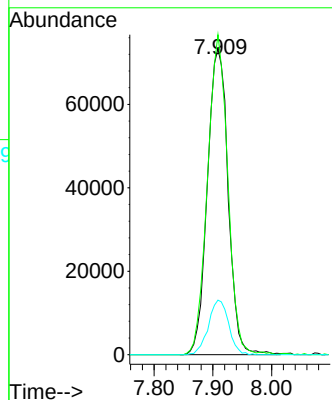
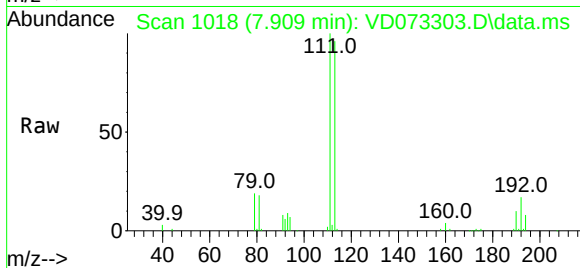
Tgt Ion:113 Resp: 180034

Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 17.4 14.6 21.8



#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073303.D

Acq: 24 May 2022 01:57

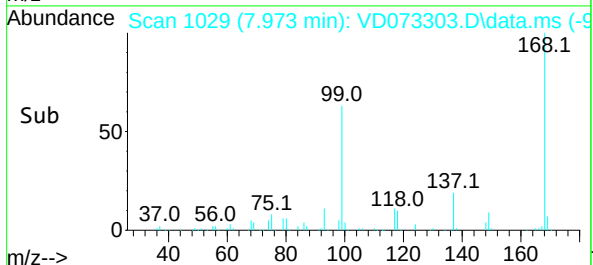
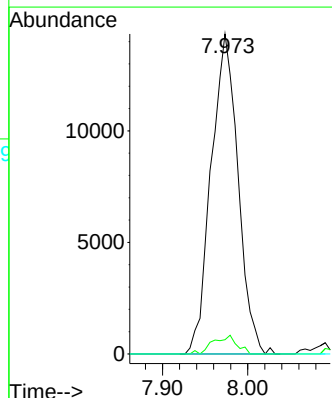
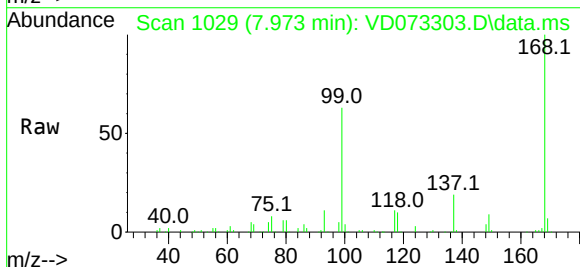
Tgt Ion:117 Resp: 31530

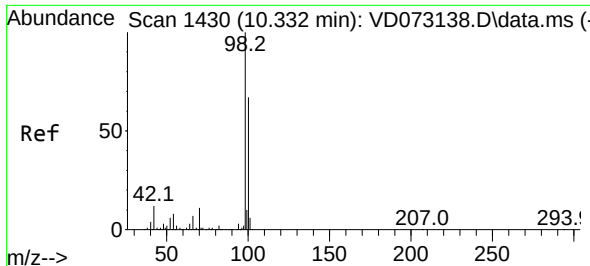
Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

121 0.0 24.5 36.7#

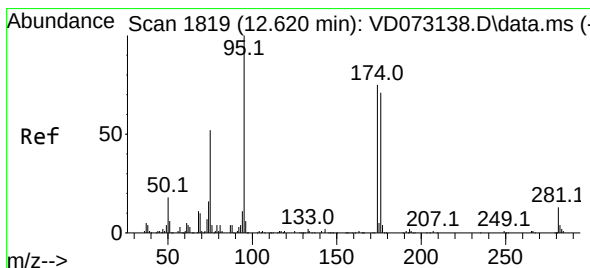
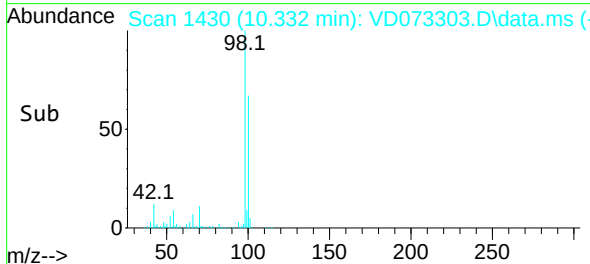
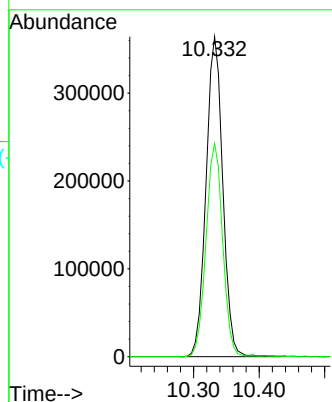
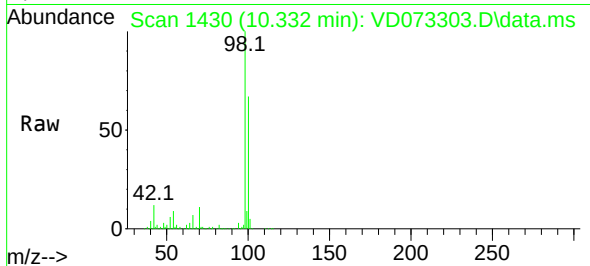




#50
Toluene-d8
Concen: 50.250 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073303.D
Acq: 24 May 2022 01:57

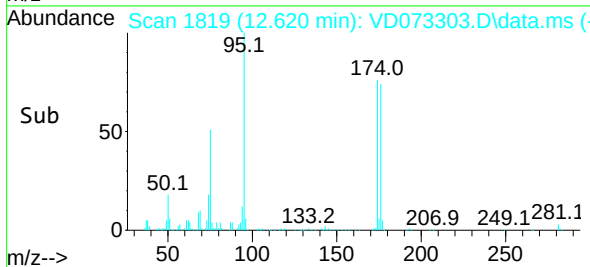
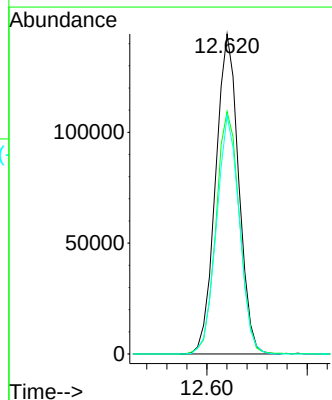
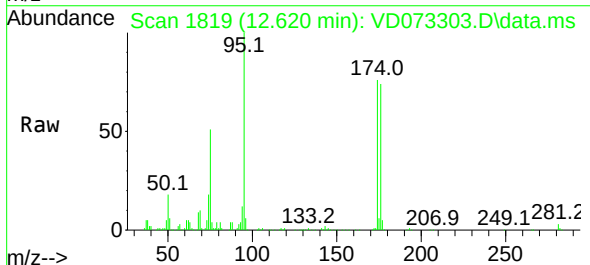
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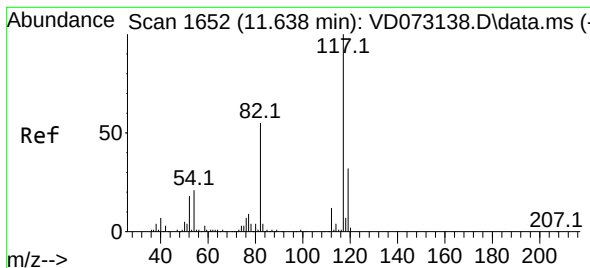
Tgt Ion: 98 Resp: 646003
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.008 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073303.D
Acq: 24 May 2022 01:57

Tgt Ion: 95 Resp: 230130
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 73.9 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: VD073303.D

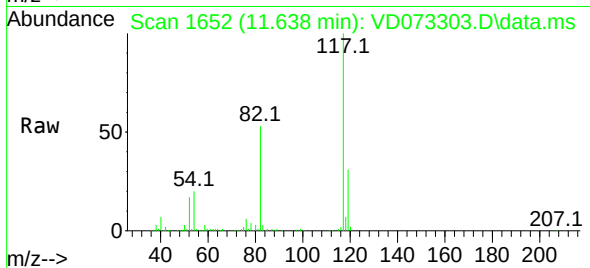
Acq: 24 May 2022 01:57

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-0006-01



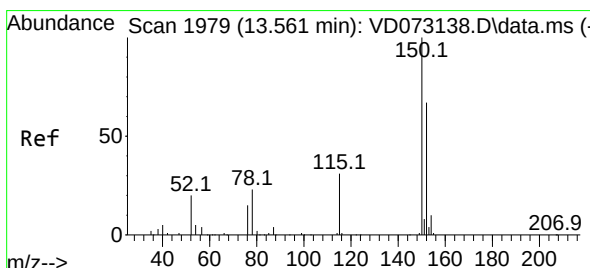
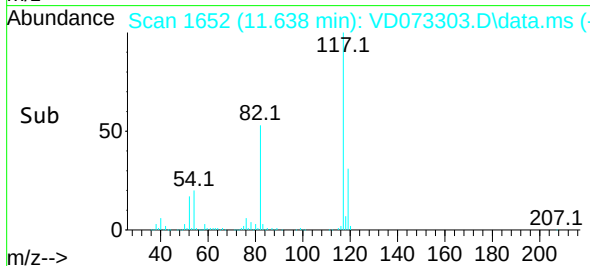
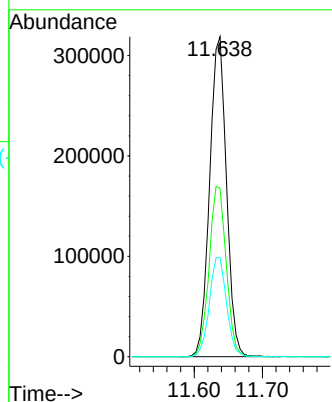
Tgt Ion:117 Resp: 546289

Ion Ratio Lower Upper

117 100

82 52.6 45.3 67.9

119 31.0 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: VD073303.D

Acq: 24 May 2022 01:57

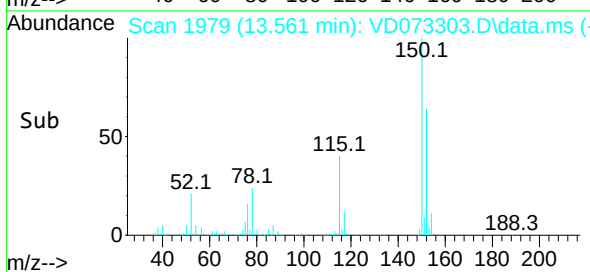
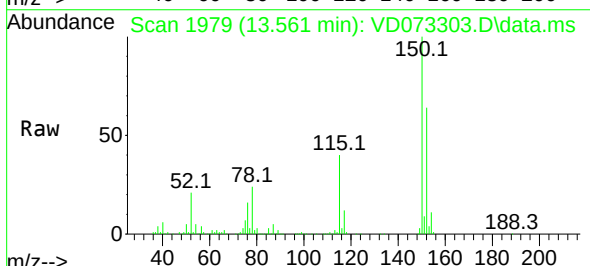
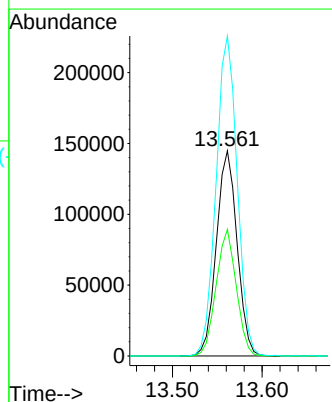
Tgt Ion:152 Resp: 232325

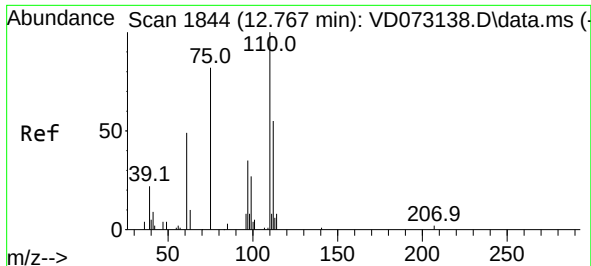
Ion Ratio Lower Upper

152 100

115 59.9 31.3 93.8

150 158.6 0.0 348.6

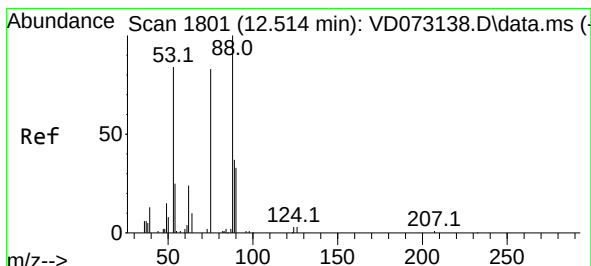
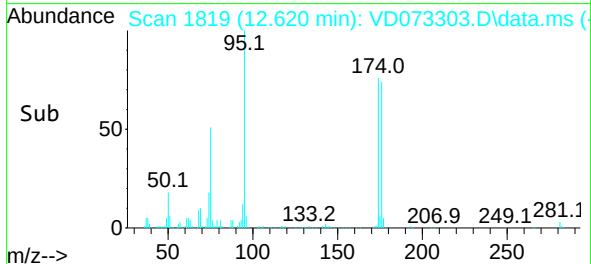
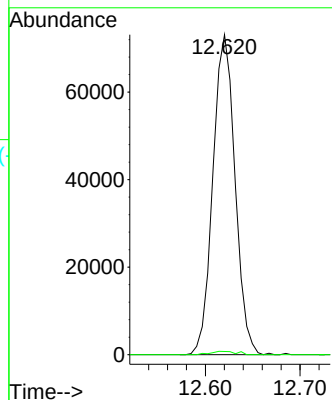
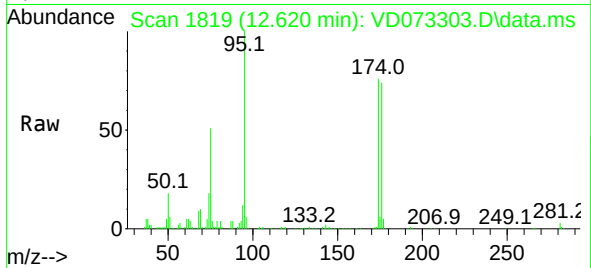




#76
1,2,3-Trichloropropane
Concen: 52.194 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073303.D
Acq: 24 May 2022 01:57

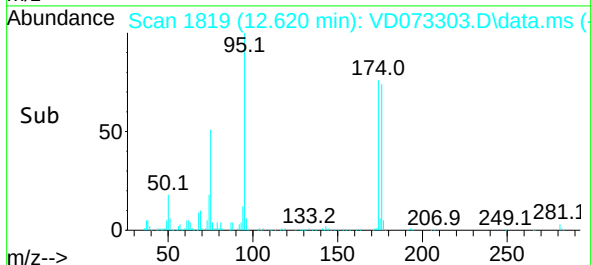
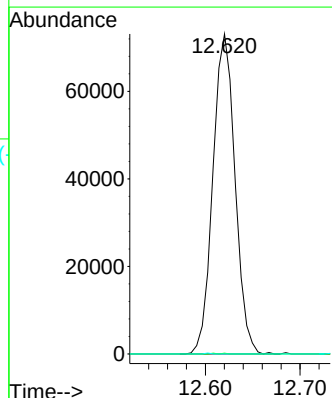
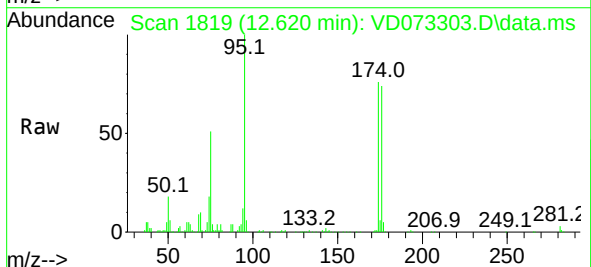
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0006-01

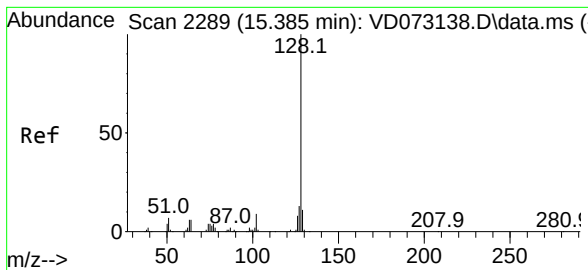
Tgt Ion: 75 Resp: 118977
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.302 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073303.D
Acq: 24 May 2022 01:57

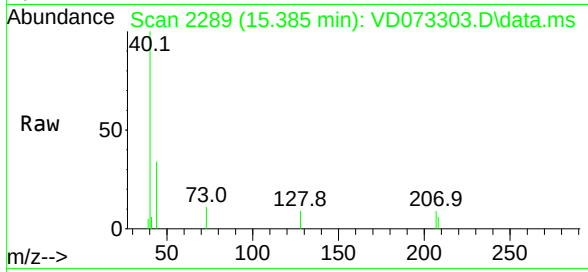
Tgt Ion: 75 Resp: 118977
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.560 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073303.D
Acq: 24 May 2022 01:57

Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0006-01



Tgt Ion:	128	Resp:	149
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

