

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073172.D
 Acq On : 20 May 2022 08:41
 Operator : VA/SY
 Sample : N2842-14
 Misc : 5.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P023-SS001-0612-01

Quant Time: May 20 13:06:45 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)

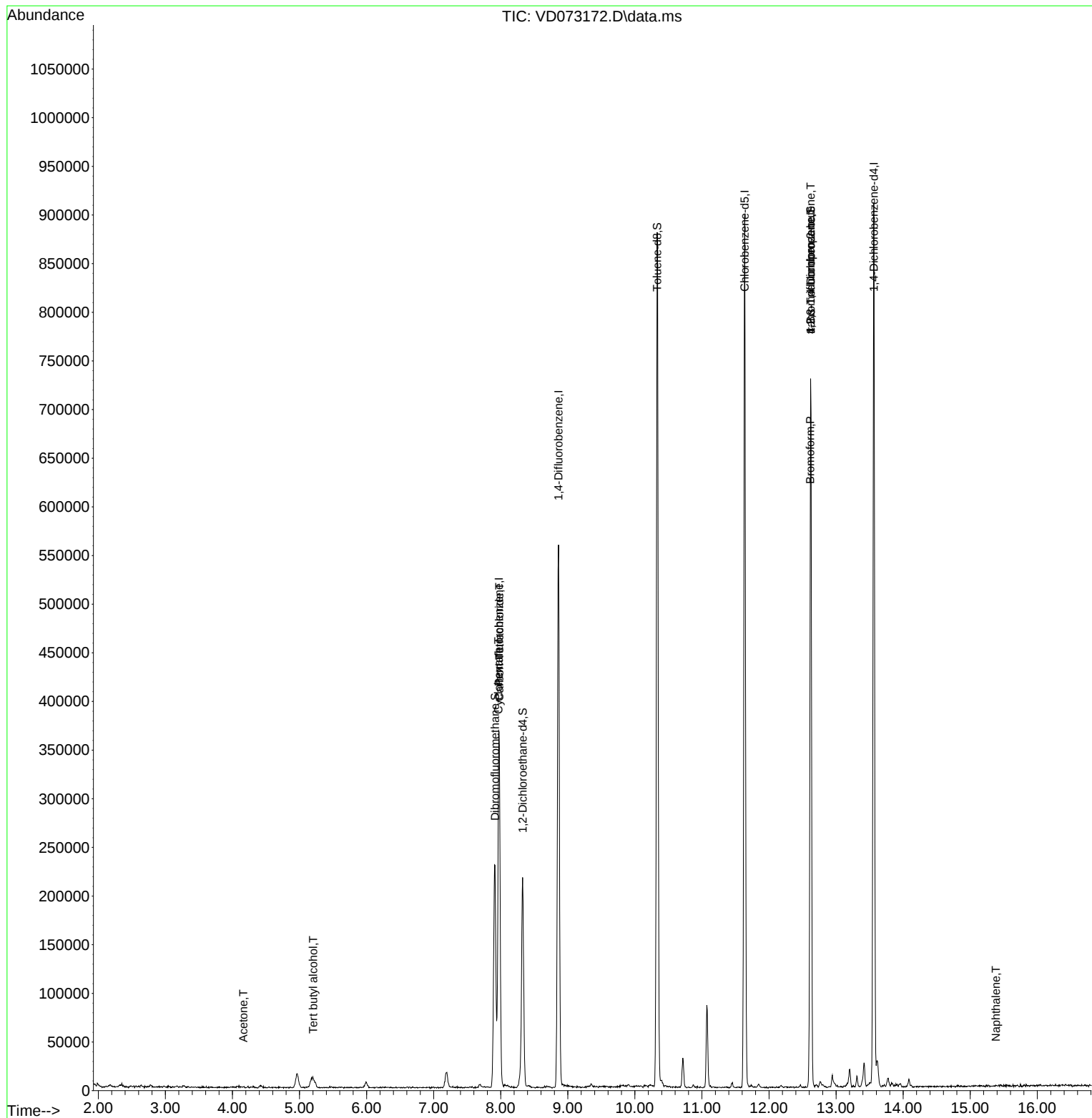
Internal Standards						
1) Pentafluorobenzene	7.973	168	265686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	478496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	509497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	233984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	162764	55.433	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.860%			
35) Dibromofluoromethane	7.914	113	167759	53.131	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.260%			
50) Toluene-d8	10.332	98	594628	51.089	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.620	95	226465	55.443	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.880%			
Target Compounds						
5) Bromomethane	2.785	94	1201	Below Cal	#	79
11) Tert butyl alcohol	5.203	59	16236	35.640	ug/l #	89
16) Acetone	4.162	43	1275	2.507	ug/l #	47
20) Methylene Chloride	4.968	84	10845	Below Cal		91
31) Cyclohexane	7.967	56	7465	1.455	ug/l #	1
38) Carbon Tetrachloride	7.979	117	28559	5.933	ug/l #	16
71) Bromoform	12.614	173	2164	1.085	ug/l #	29
76) 1,2,3-Trichloropropane	12.620	75	113459	49.421	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	113459	118.643	ug/l #	7
95) Naphthalene	15.385	128	74	3.550	ug/l #	70

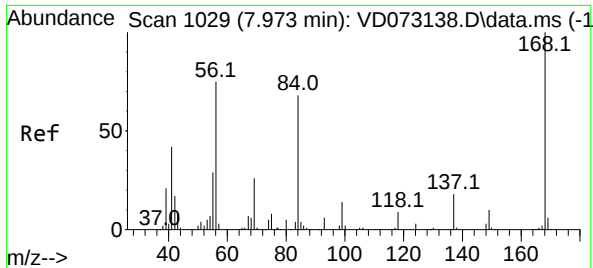
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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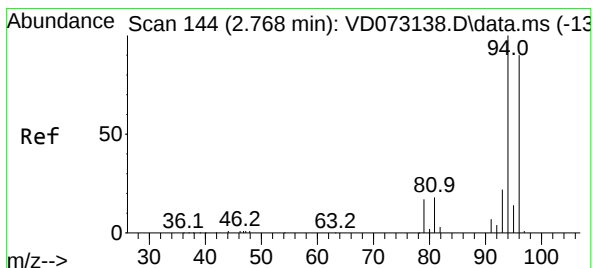
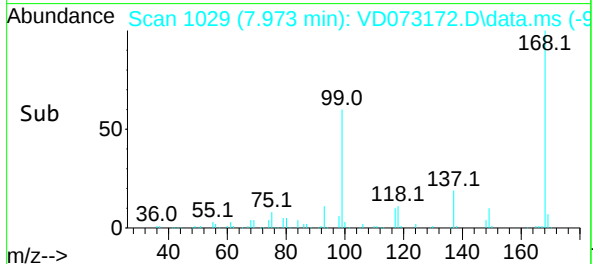
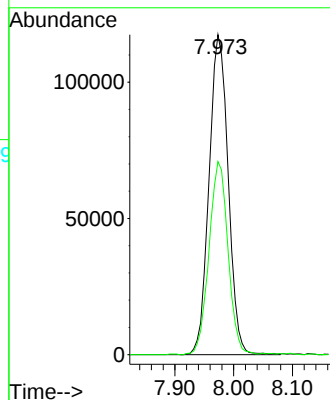
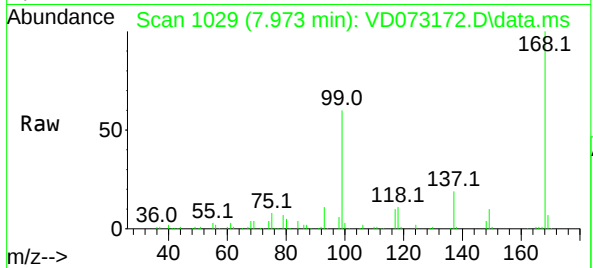




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073172.D
Acq: 20 May 2022 08:41

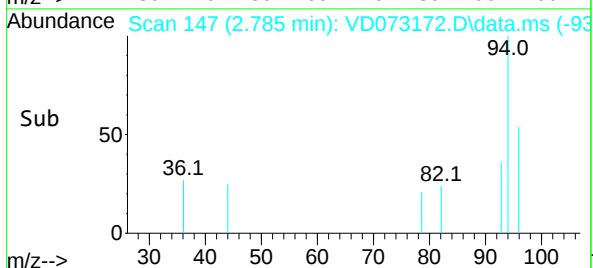
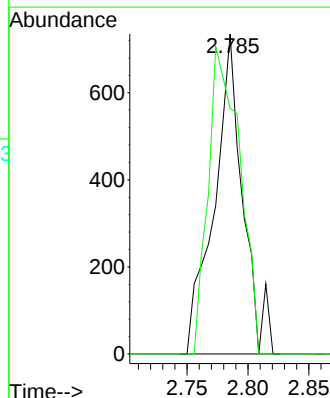
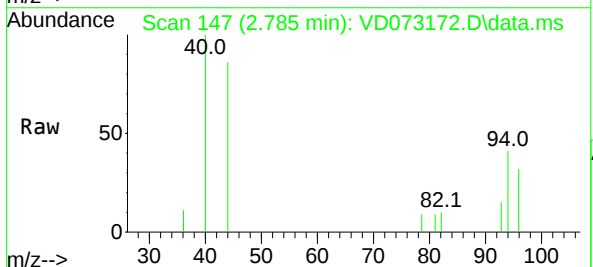
Instrument :
MSVOA_D
ClientSampleId :
P023-SS001-0612-01

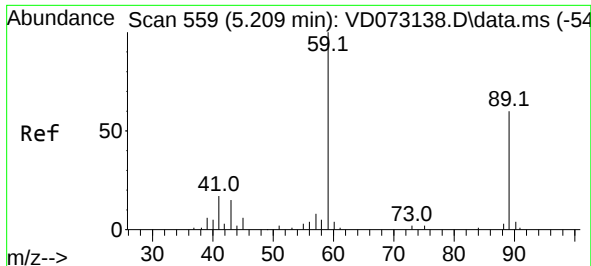
Tgt Ion:168 Resp: 265686
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073172.D
Acq: 20 May 2022 08:41

Tgt Ion: 94 Resp: 1201
Ion Ratio Lower Upper
94 100
96 76.7 77.6 116.4#





#11

Tert butyl alcohol

Concen: 35.640 ug/l

RT: 5.203 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD073172.D

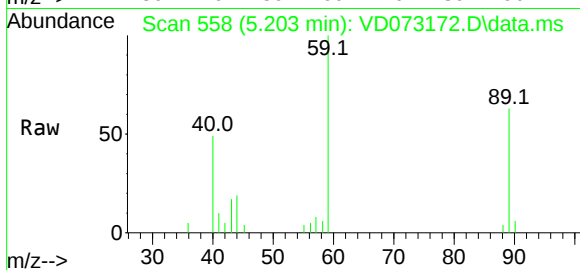
Acq: 20 May 2022 08:41

Instrument :

MSVOA_D

ClientSampleId :

P023-SS001-0612-01

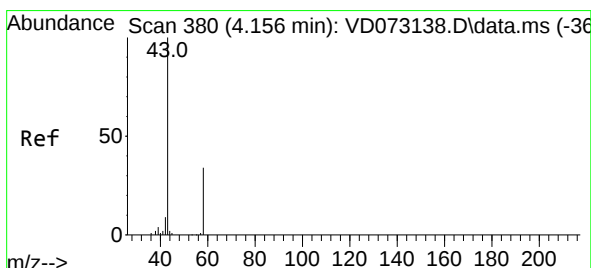
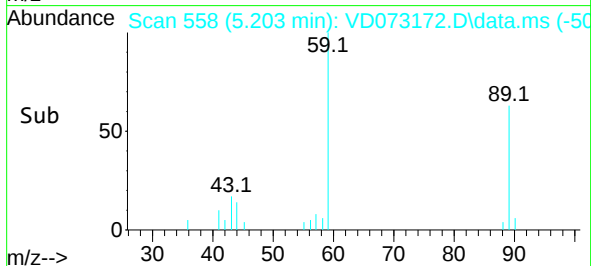
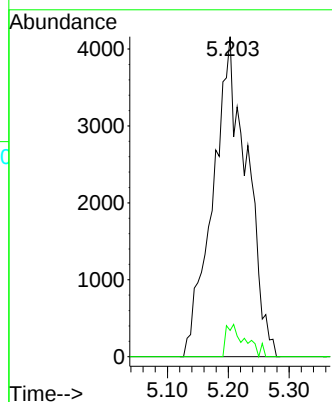


Tgt Ion: 59 Resp: 16236

Ion Ratio Lower Upper

59 100

57 5.6 7.8 11.6#



#16

Acetone

Concen: 2.507 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073172.D

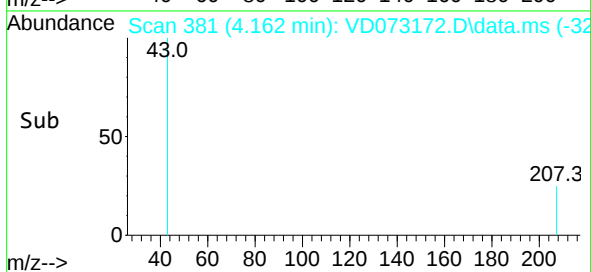
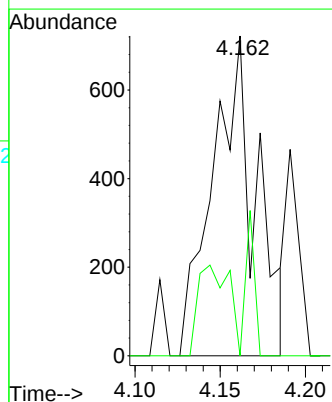
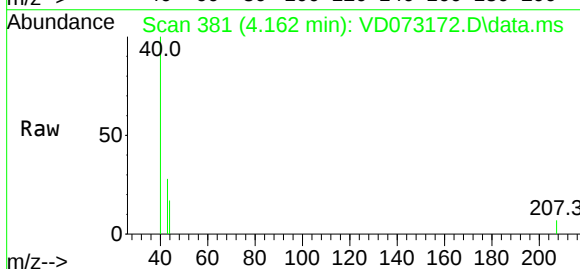
Acq: 20 May 2022 08:41

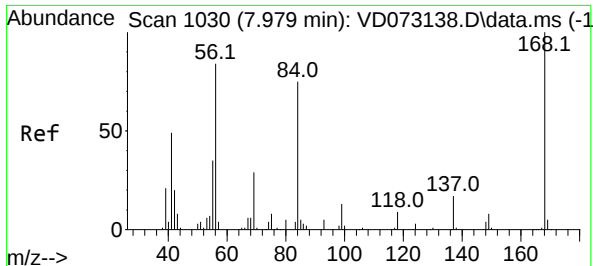
Tgt Ion: 43 Resp: 1275

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#





#31

Cyclohexane

Concen: 1.455 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073172.D

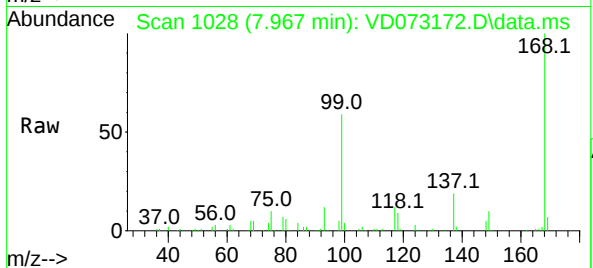
Acq: 20 May 2022 08:41

Instrument :

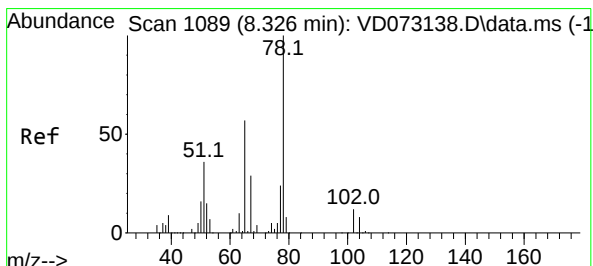
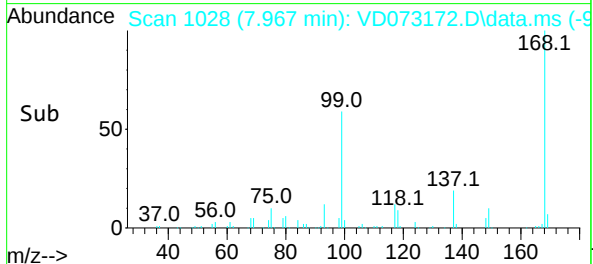
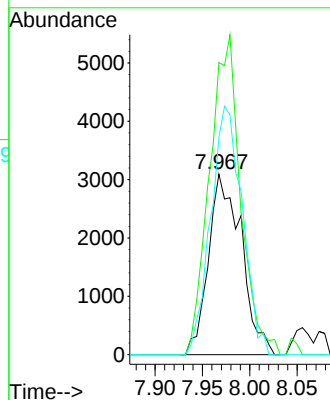
MSVOA_D

ClientSampleId :

P023-SS001-0612-01



Tgt Ion:	56	Resp:	7465
Ion Ratio	100	Lower	Upper
56	100		
69	161.9	25.4	38.2#
84	120.5	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 55.433 ug/l

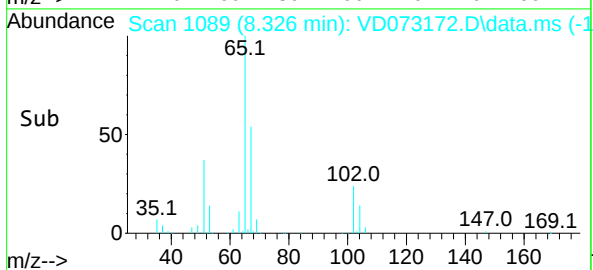
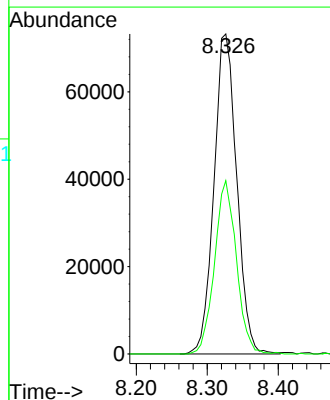
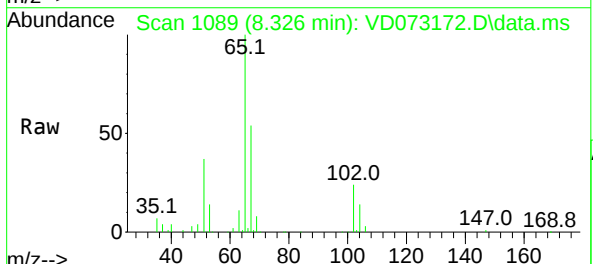
RT: 8.326 min Scan# 1089

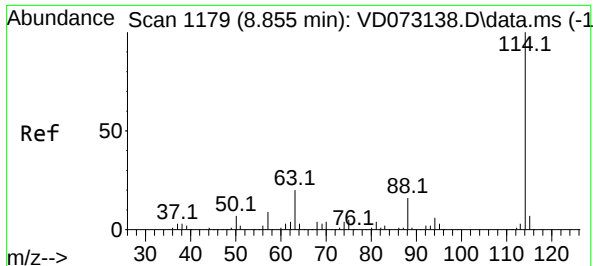
Delta R.T. 0.000 min

Lab File: VD073172.D

Acq: 20 May 2022 08:41

Tgt Ion:	65	Resp:	162764
Ion Ratio	100	Lower	Upper
65	100		
67	52.0	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: VD073172.D

Acq: 20 May 2022 08:41

Instrument :

MSVOA_D

ClientSampleId :

P023-SS001-0612-01

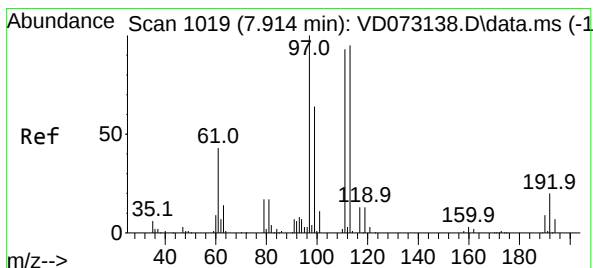
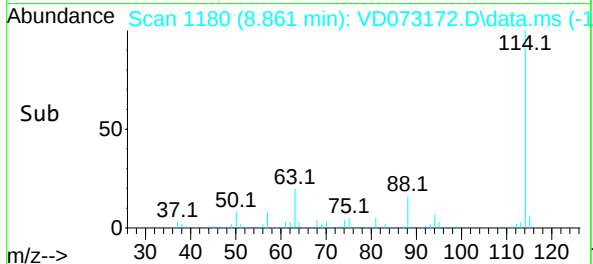
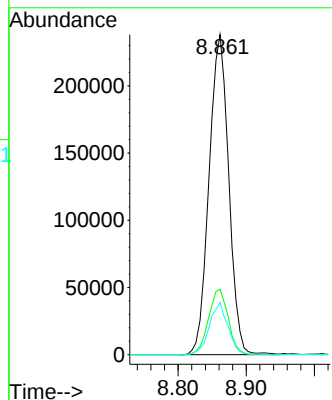
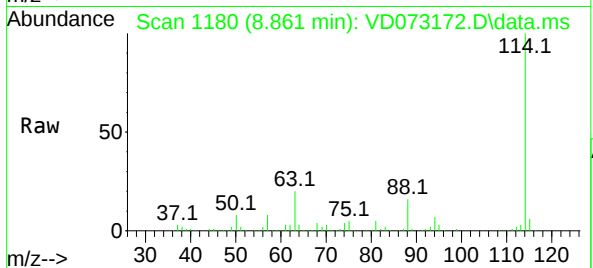
Tgt Ion:114 Resp: 478496

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 16.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.131 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD073172.D

Acq: 20 May 2022 08:41

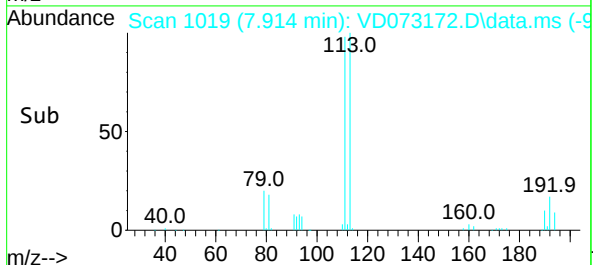
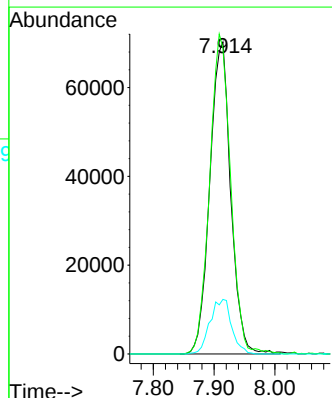
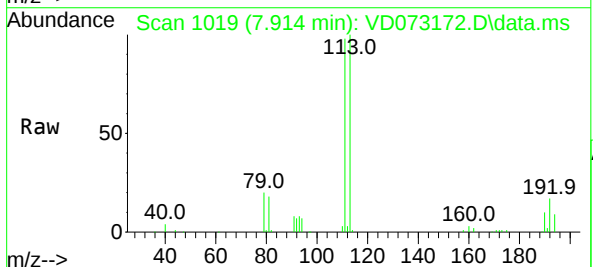
Tgt Ion:113 Resp: 167759

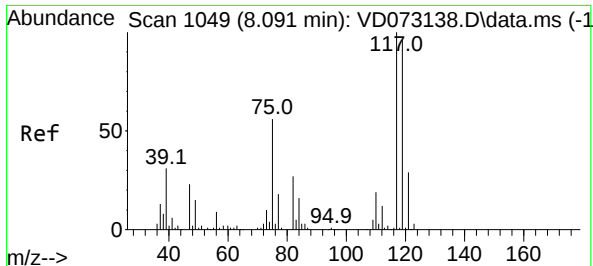
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 18.1 14.6 21.8

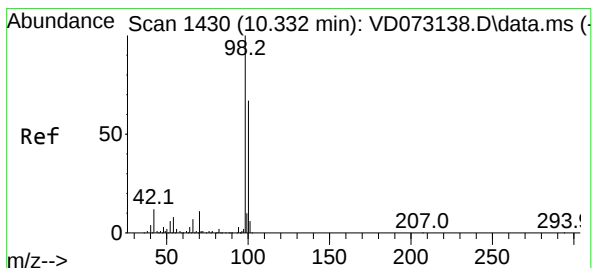
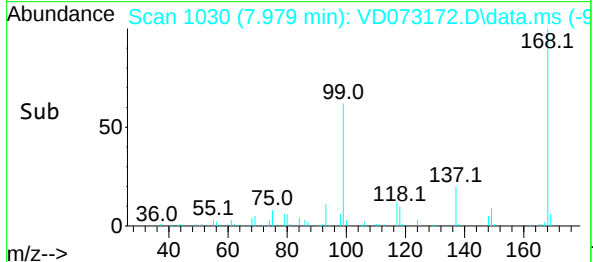
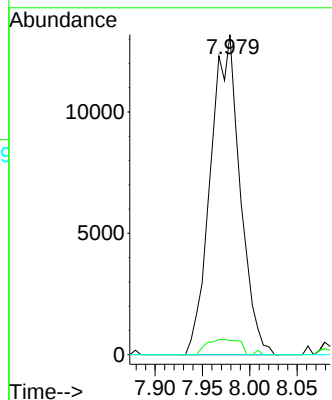
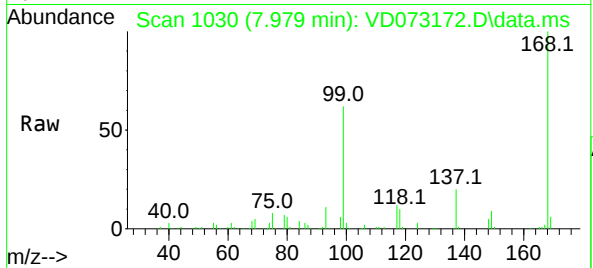




#38
Carbon Tetrachloride
Concen: 5.933 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073172.D
Acq: 20 May 2022 08:41

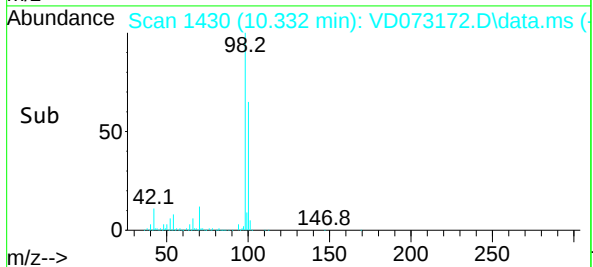
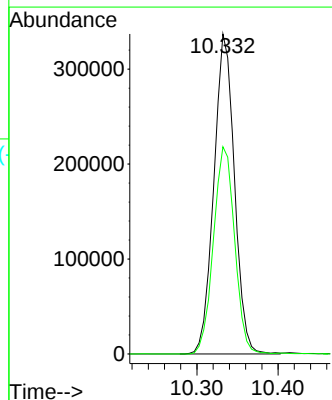
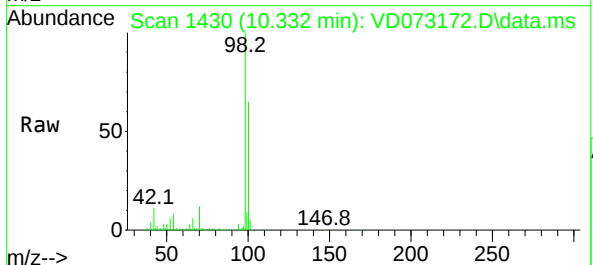
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P023-SS001-0612-01

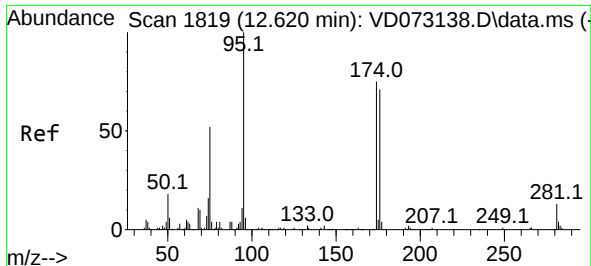
Tgt Ion:117 Resp: 28559
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.089 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073172.D
Acq: 20 May 2022 08:41

Tgt Ion: 98 Resp: 594628
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

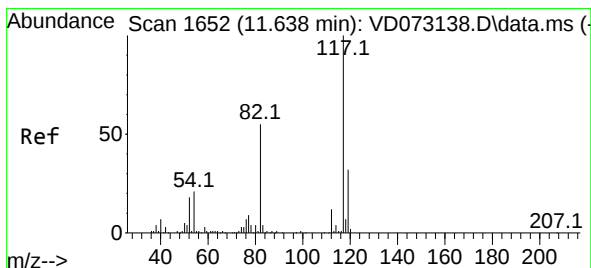
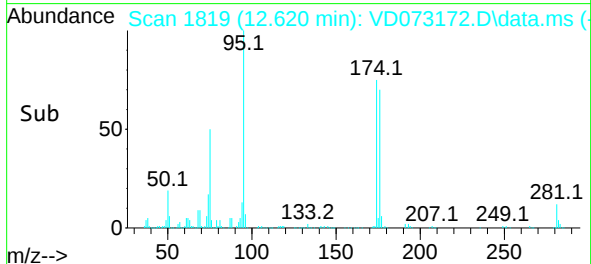
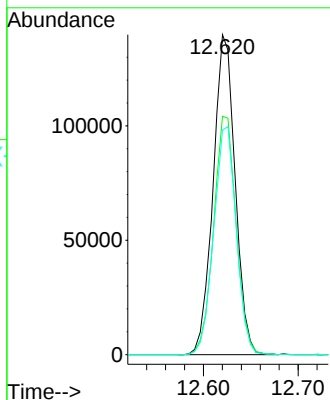
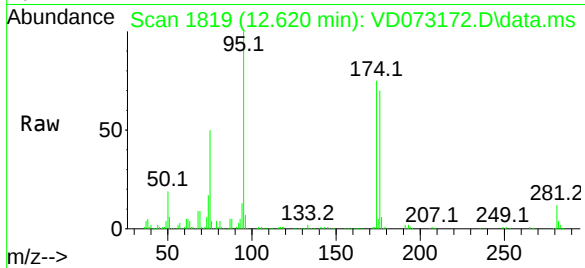




#62
4-Bromofluorobenzene
Concen: 55.443 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073172.D
Acq: 20 May 2022 08:41

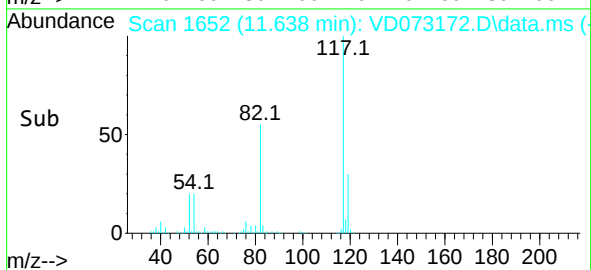
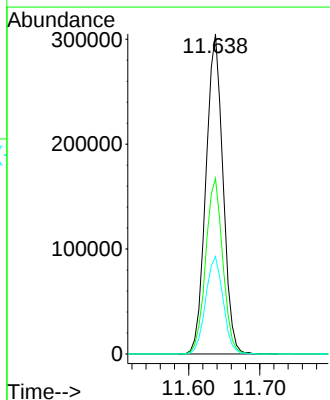
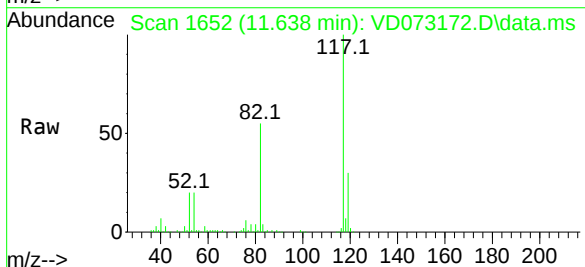
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MSVOA_D
ClientSampleId :
P023-SS001-0612-01

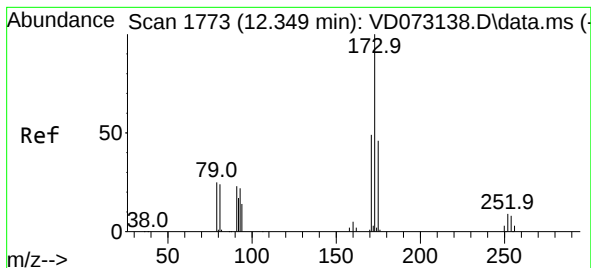
Tgt Ion: 95 Resp: 226465
Ion Ratio Lower Upper
95 100
174 76.2 0.0 152.8
176 72.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073172.D
Acq: 20 May 2022 08:41

Tgt Ion: 117 Resp: 509497
Ion Ratio Lower Upper
117 100
82 54.8 45.3 67.9
119 30.5 26.6 40.0





#71

Bromoform

Concen: 1.085 ug/l

RT: 12.614 min Scan# 11

Delta R.T. 0.265 min

Lab File: VD073172.D

Acq: 20 May 2022 08:41

Instrument :

MSVOA_D

ClientSampleId :

P023-SS001-0612-01

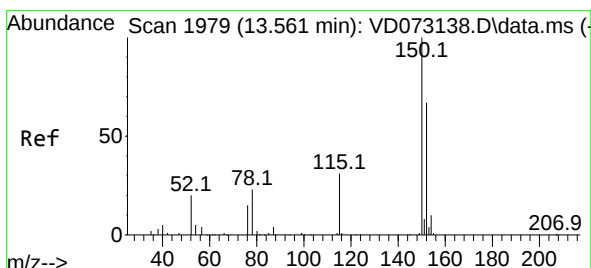
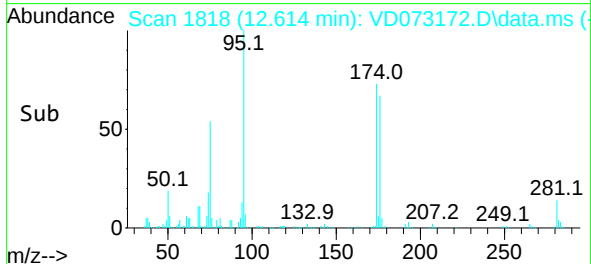
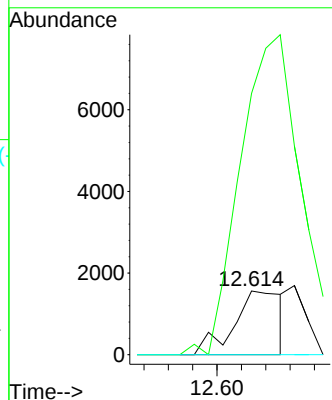
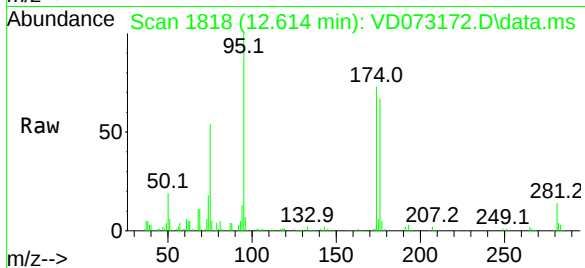
Tgt Ion:173 Resp: 2164

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073172.D

Acq: 20 May 2022 08:41

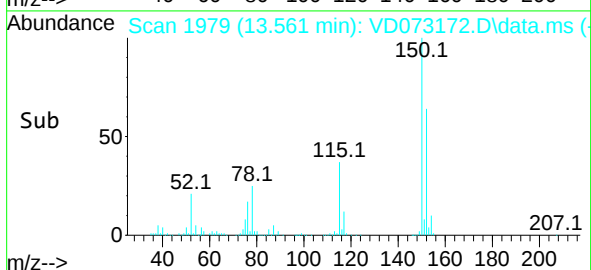
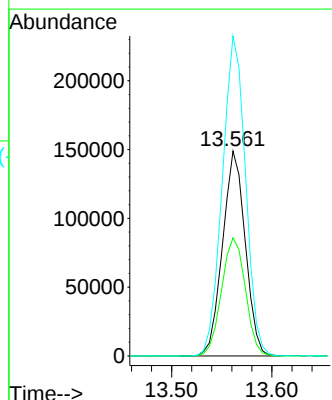
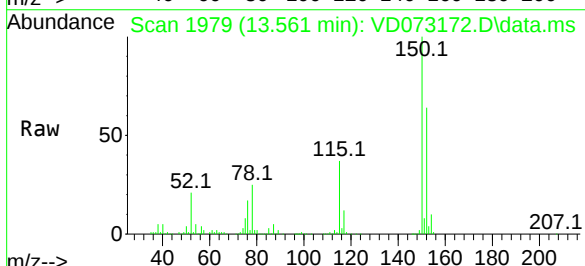
Tgt Ion:152 Resp: 233984

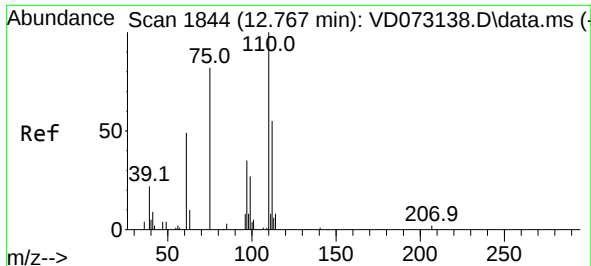
Ion Ratio Lower Upper

152 100

115 60.3 31.3 93.8

150 159.4 0.0 348.6

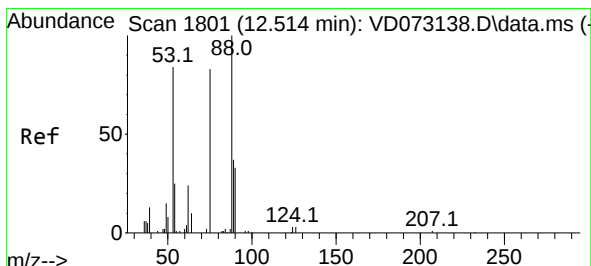
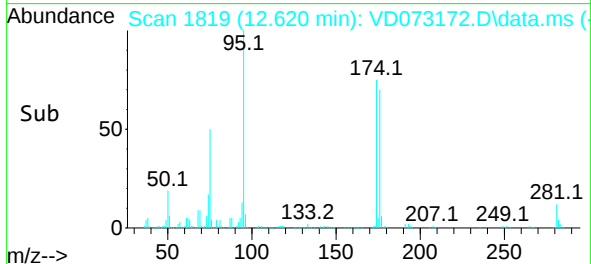
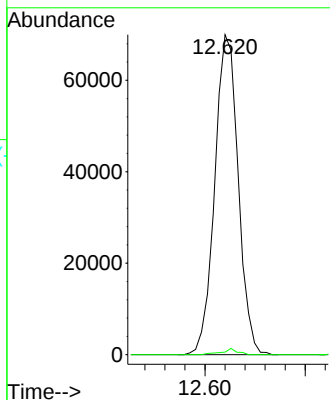
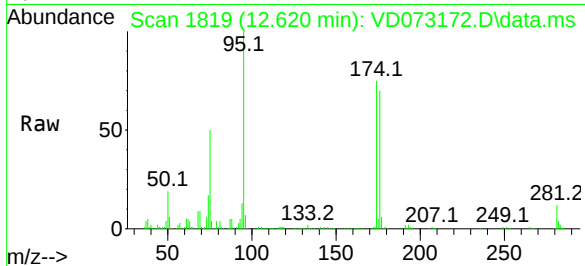




#76
1,2,3-Trichloropropane
Concen: 49.421 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073172.D
Acq: 20 May 2022 08:41

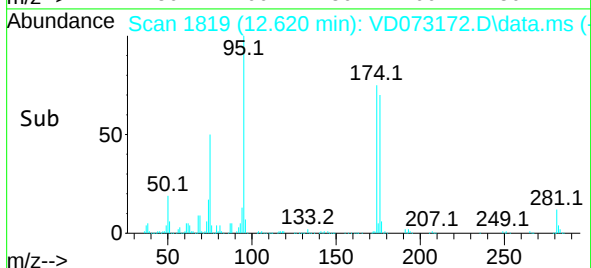
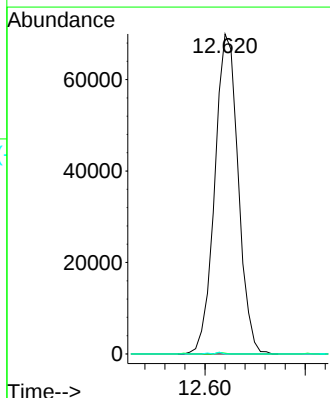
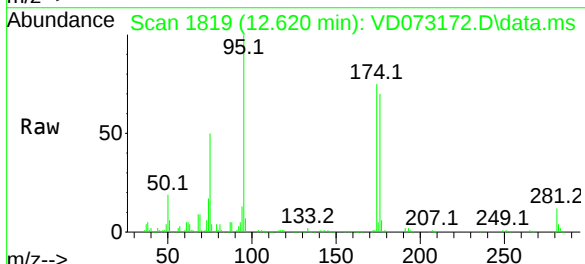
Instrument :
MSVOA_D
ClientSampleId :
P023-SS001-0612-01

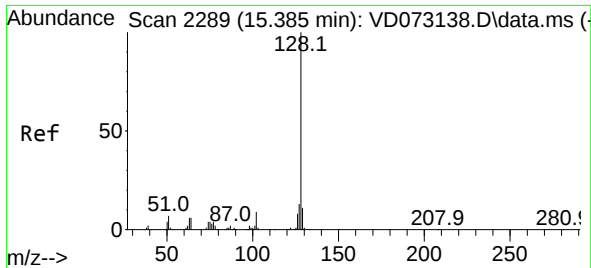
Tgt Ion: 75 Resp: 113459
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.643 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073172.D
Acq: 20 May 2022 08:41

Tgt Ion: 75 Resp: 113459
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.2 33.9 50.9#





#95

Naphthalene

Concen: 3.550 ug/l

RT: 15.385 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD073172.D

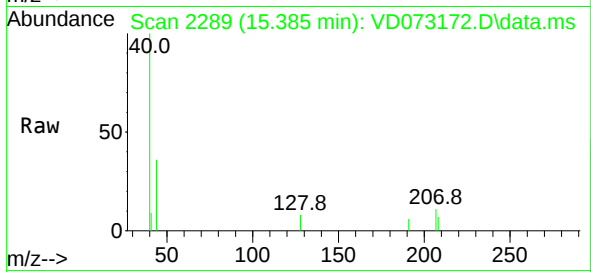
Acq: 20 May 2022 08:41

Instrument :

MSVOA_D

ClientSampleId :

P023-SS001-0612-01



Tgt Ion:	128	Resp:	74
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

