

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073216.D
 Acq On : 21 May 2022 08:16
 Operator : VA/SY
 Sample : N2885-12
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P008-SS002-1218-01

Quant Time: May 22 00:00:51 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)

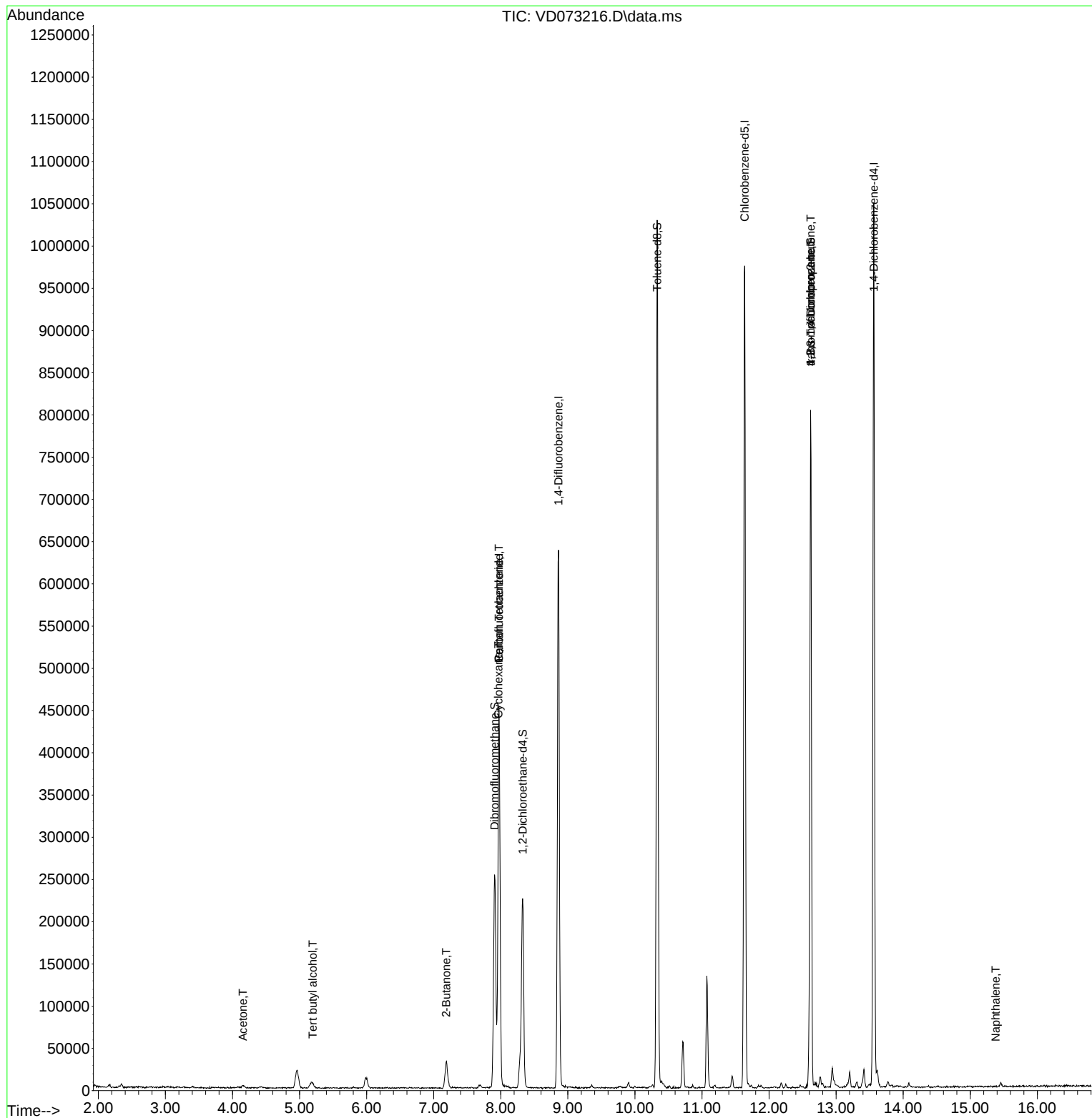
Internal Standards						
1) Pentafluorobenzene	7.973	168	311857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	553653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	583996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	272171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	177640	51.543	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.080%	
35) Dibromofluoromethane	7.908	113	186569	51.068	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.140%	
50) Toluene-d8	10.332	98	680748	50.548	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.100%	
62) 4-Bromofluorobenzene	12.620	95	262159	55.469	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.940%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	940	Below Cal	#	74
11) Tert butyl alcohol	5.197	59	7462	13.955	ug/l #	74
16) Acetone	4.156	43	5751	9.634	ug/l #	85
25) 2-Butanone	7.185	43	1202	1.376	ug/l #	52
31) Cyclohexane	7.967	56	8262	1.372	ug/l #	3
38) Carbon Tetrachloride	7.973	117	32468	5.829	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	134033	50.191	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	134033	120.493	ug/l #	7
95) Naphthalene	15.379	128	260	3.569	ug/l #	70

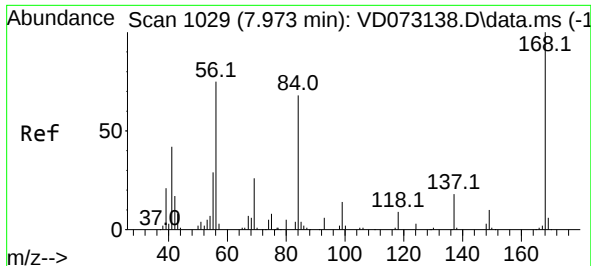
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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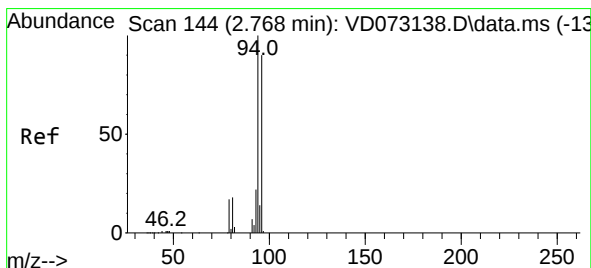
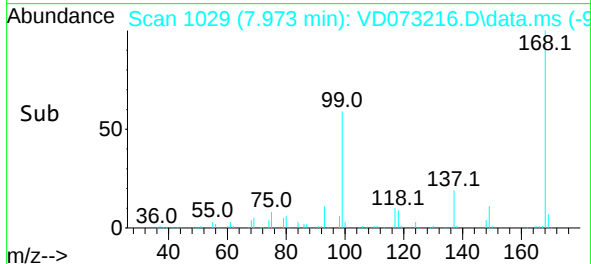
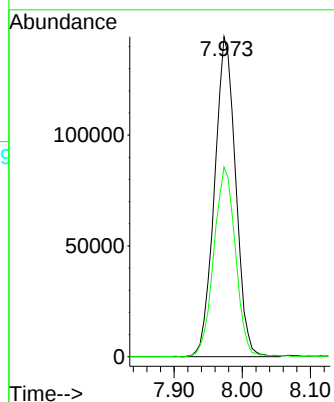
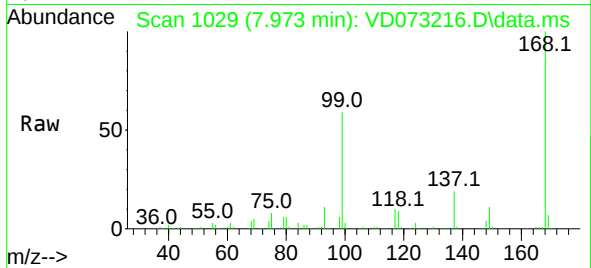




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

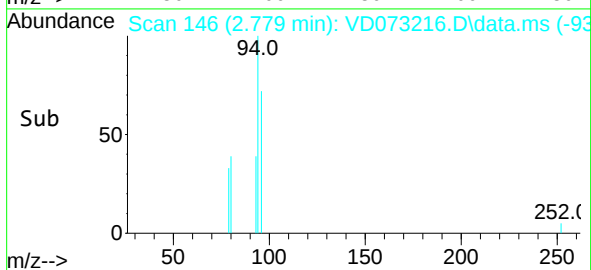
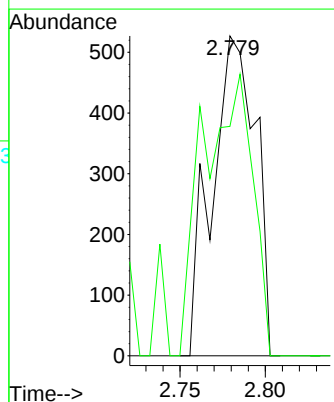
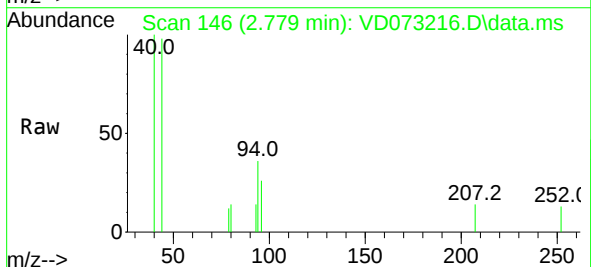
Instrument :
MSVOA_D
ClientSampleId :
P008-SS002-1218-01

Tgt Ion:168 Resp: 311857
Ion Ratio Lower Upper
168 100
99 59.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

Tgt Ion: 94 Resp: 940
Ion Ratio Lower Upper
94 100
96 71.7 77.6 116.4#

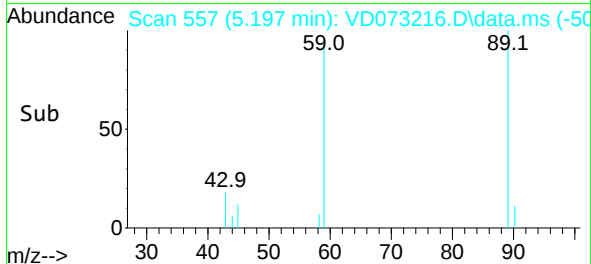
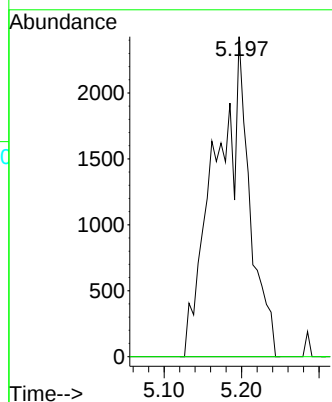
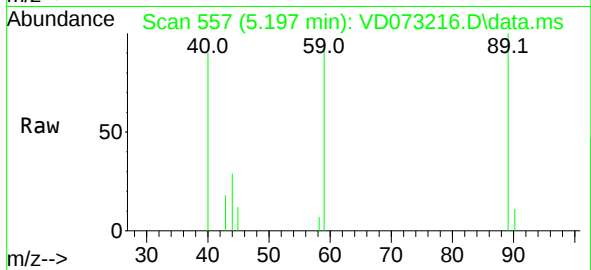




#11
Tert butyl alcohol
Concen: 13.955 ug/l
RT: 5.197 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

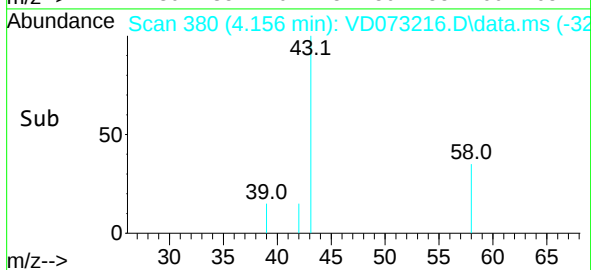
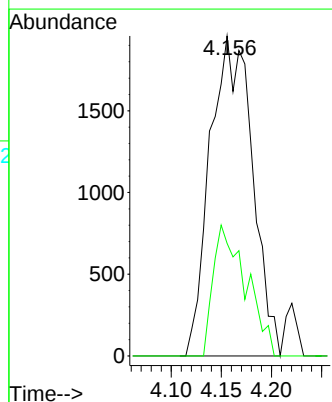
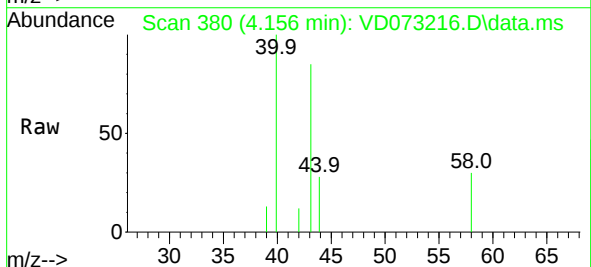
Instrument :
MSVOA_D
ClientSampleId :
P008-SS002-1218-01

Tgt Ion: 59 Resp: 7462
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 9.634 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

Tgt Ion: 43 Resp: 5751
Ion Ratio Lower Upper
43 100
58 35.2 22.1 33.1#





#25

2-Butanone

Concen: 1.376 ug/l

RT: 7.185 min Scan# 89

Delta R.T. -0.023 min

Lab File: VD073216.D

Acq: 21 May 2022 08:16

Instrument :

MSVOA_D

ClientSampleId :

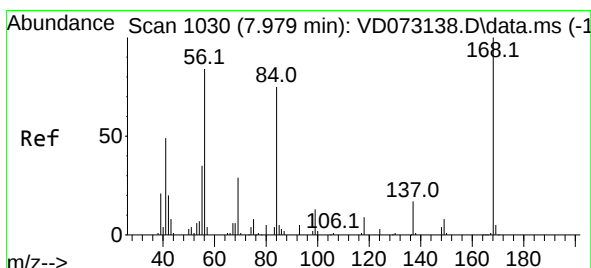
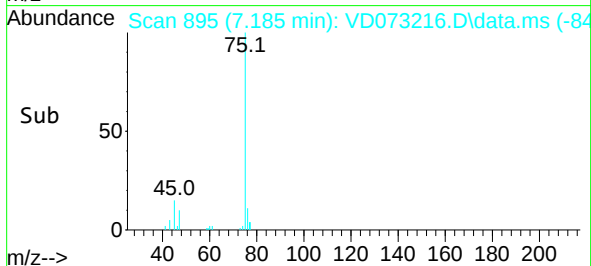
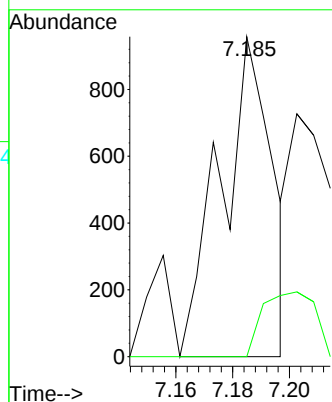
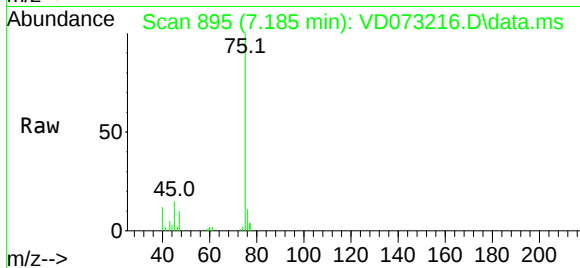
P008-SS002-1218-01

Tgt Ion: 43 Resp: 1202

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073216.D

Acq: 21 May 2022 08:16

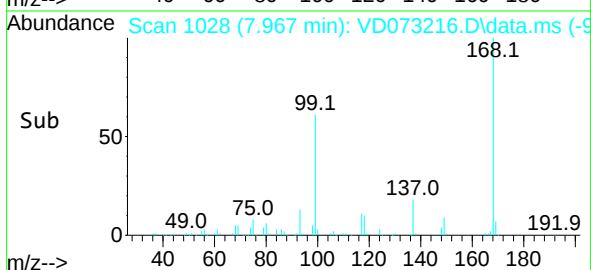
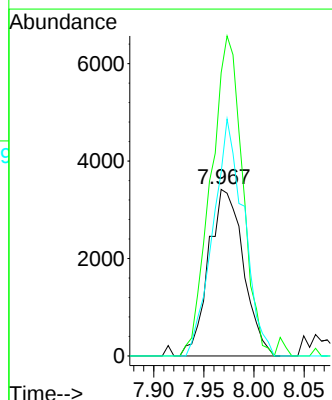
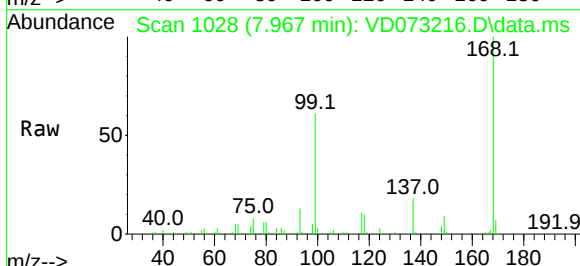
Tgt Ion: 56 Resp: 8262

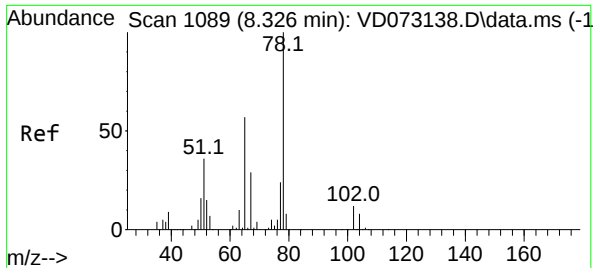
Ion Ratio Lower Upper

56 100

69 170.0 25.4 38.2#

84 110.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.543 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073216.D

Acq: 21 May 2022 08:16

Instrument :

MSVOA_D

ClientSampleId :

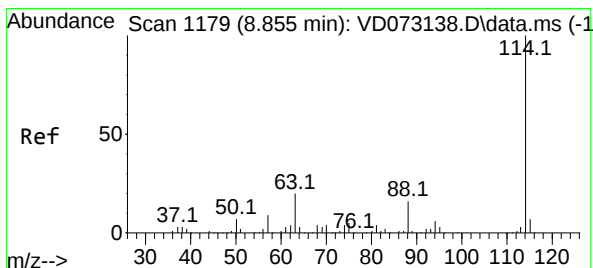
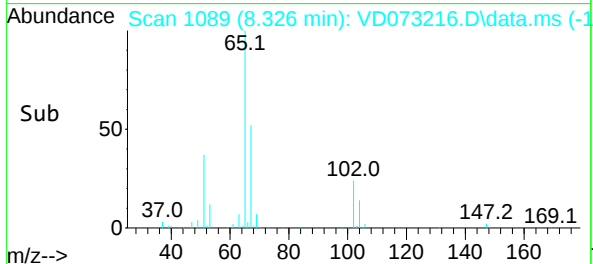
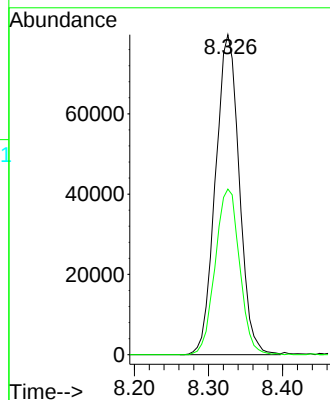
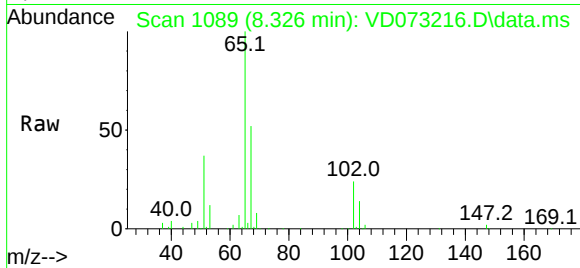
P008-SS002-1218-01

Tgt Ion: 65 Resp: 177640

Ion Ratio Lower Upper

65 100

67 53.2 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: VD073216.D

Acq: 21 May 2022 08:16

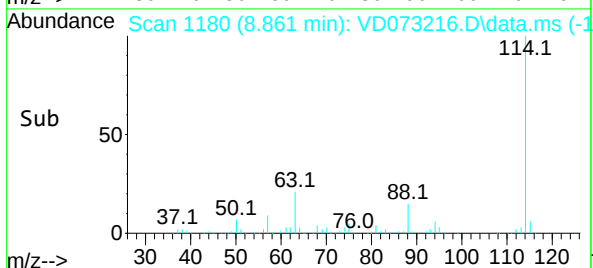
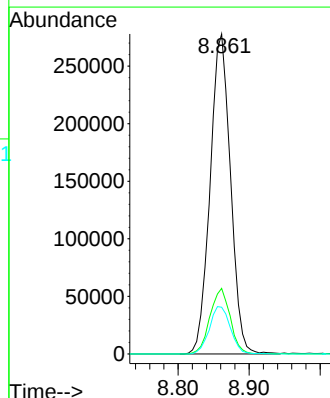
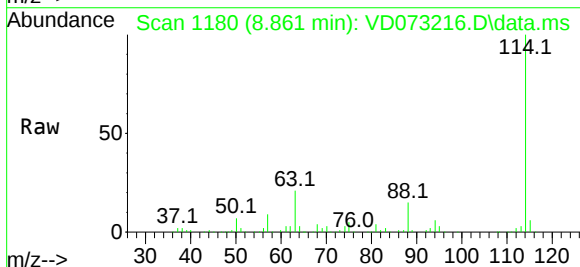
Tgt Ion: 114 Resp: 553653

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 14.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.068 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073216.D

Acq: 21 May 2022 08:16

Instrument :

MSVOA_D

ClientSampleId :

P008-SS002-1218-01

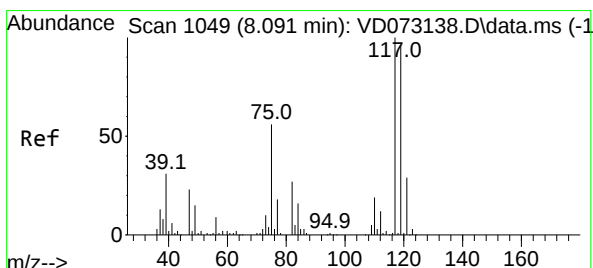
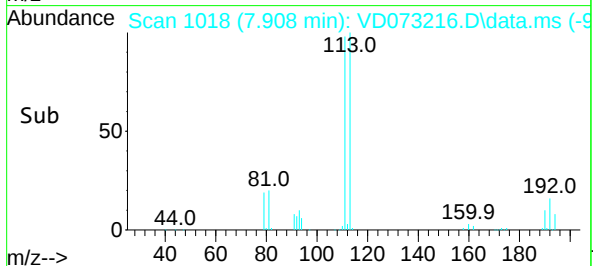
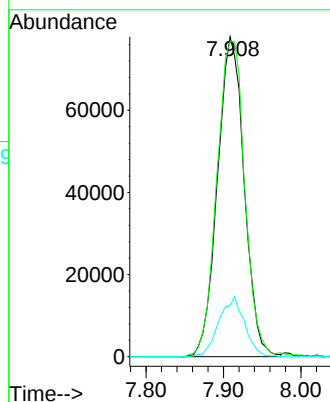
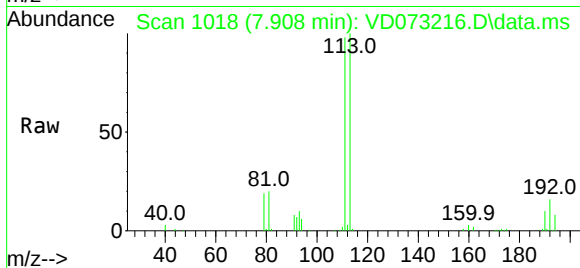
Tgt Ion:113 Resp: 186569

Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 18.1 14.6 21.8



#38

Carbon Tetrachloride

Concen: 5.829 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073216.D

Acq: 21 May 2022 08:16

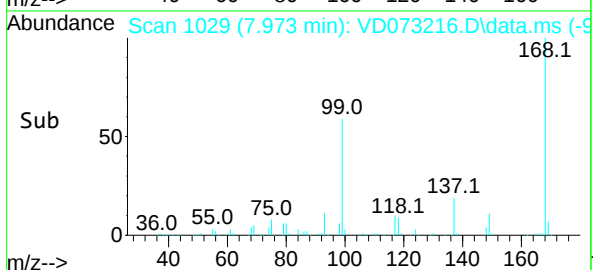
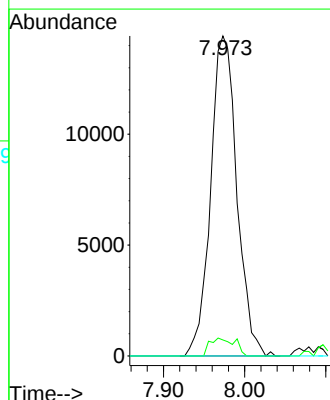
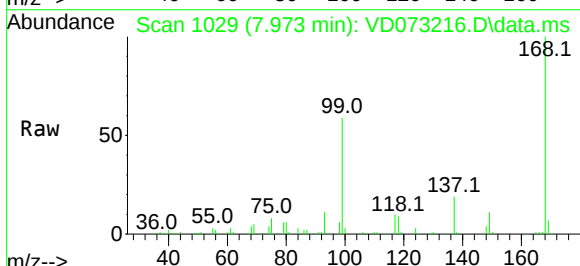
Tgt Ion:117 Resp: 32468

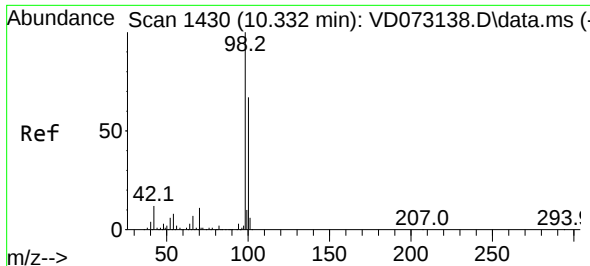
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.5 36.7#

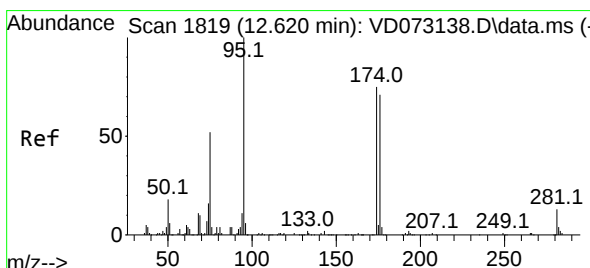
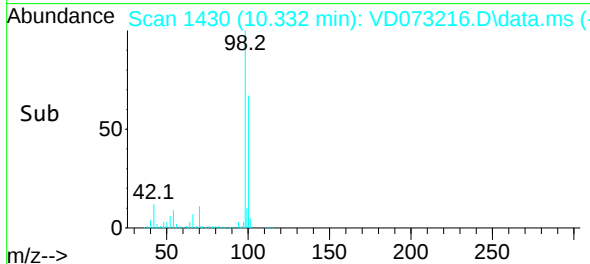
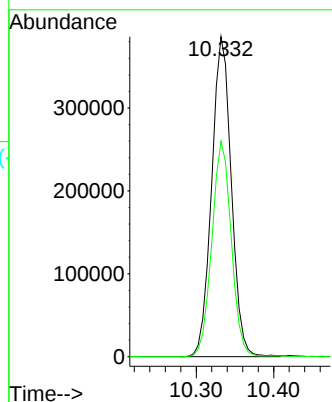
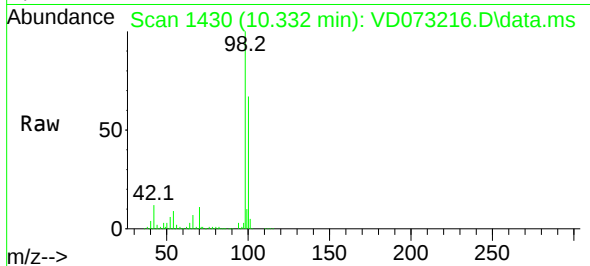




#50
Toluene-d8
Concen: 50.548 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

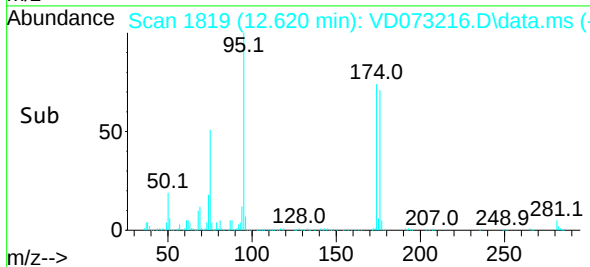
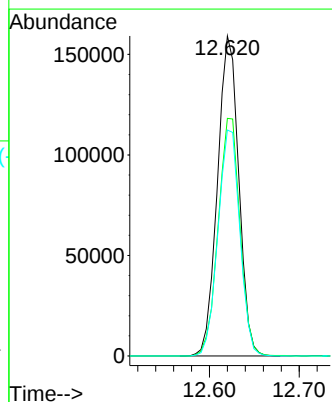
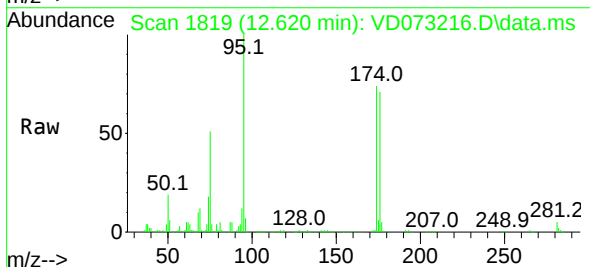
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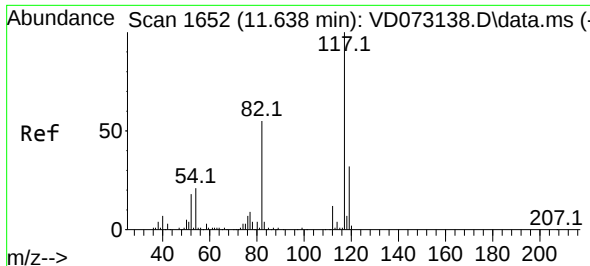
Tgt Ion: 98 Resp: 680748
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 55.469 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

Tgt Ion: 95 Resp: 262159
Ion Ratio Lower Upper
95 100
174 76.2 0.0 152.8
176 72.3 0.0 145.4

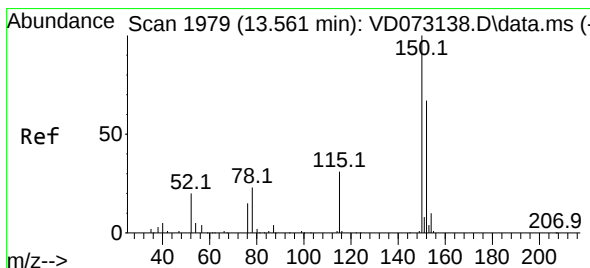
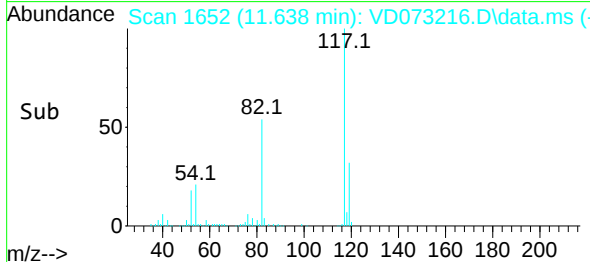
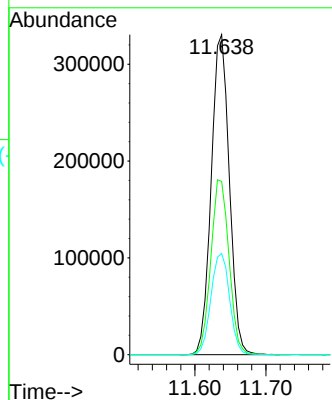
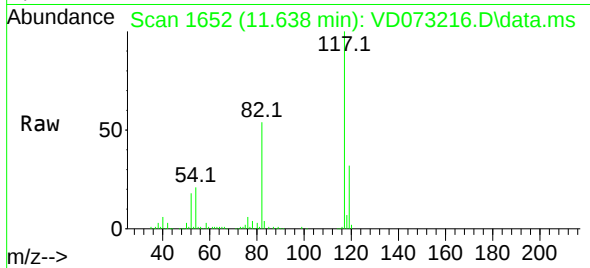




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

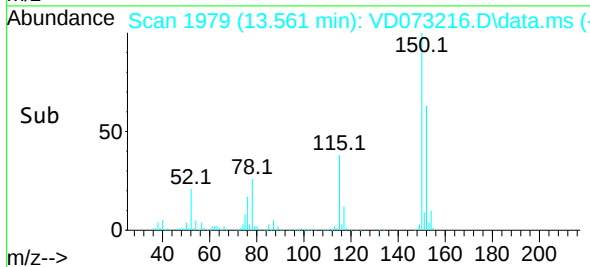
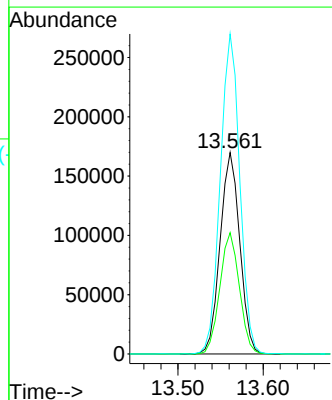
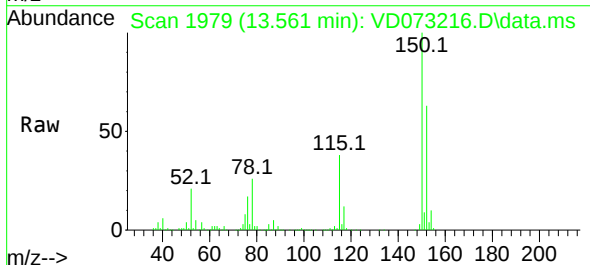
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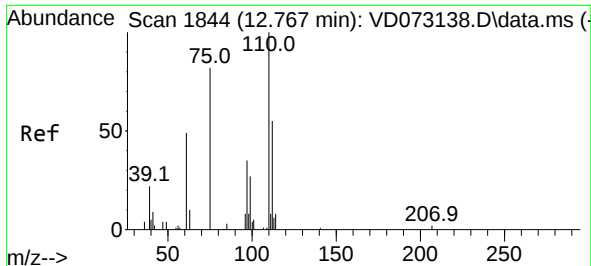
Tgt Ion:117 Resp: 583996
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 31.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

Tgt Ion:152 Resp: 272171
Ion Ratio Lower Upper
152 100
115 59.7 31.3 93.8
150 157.6 0.0 348.6

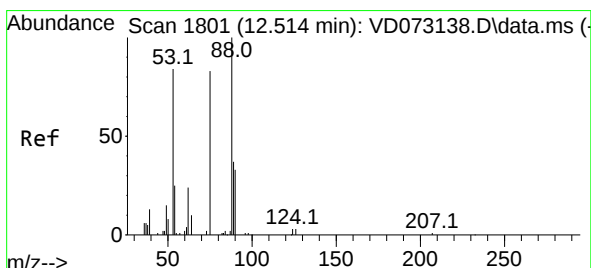
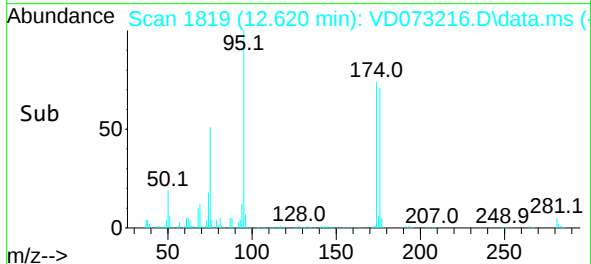
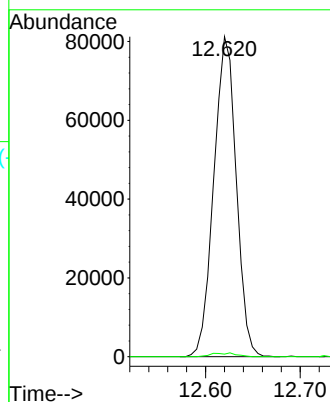
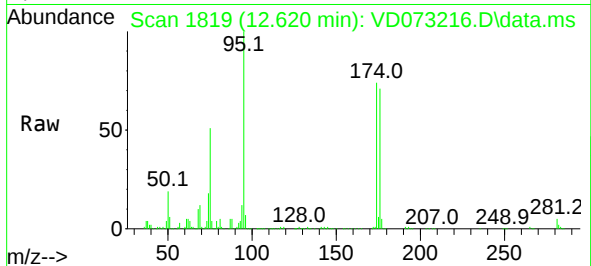




#76
1,2,3-Trichloropropane
Concen: 50.191 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

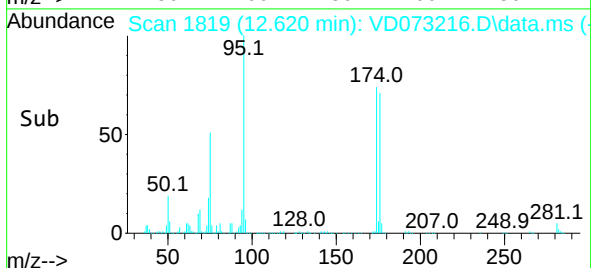
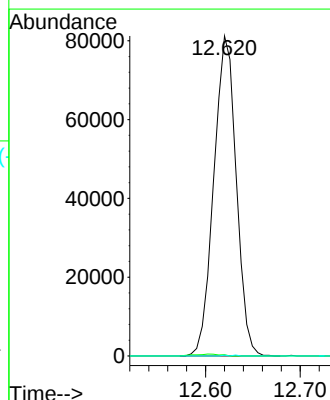
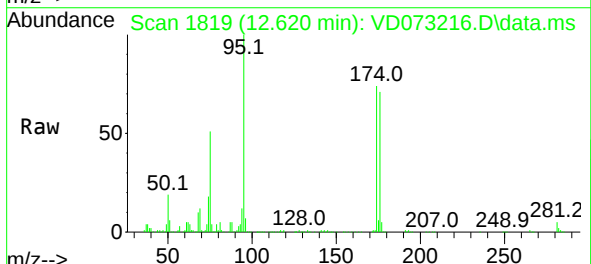
Instrument :
MSVOA_D
ClientSampleId :
P008-SS002-1218-01

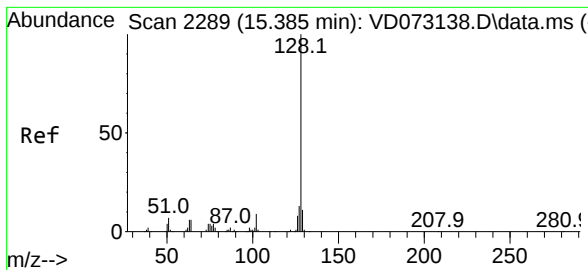
Tgt Ion: 75 Resp: 134033
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.493 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

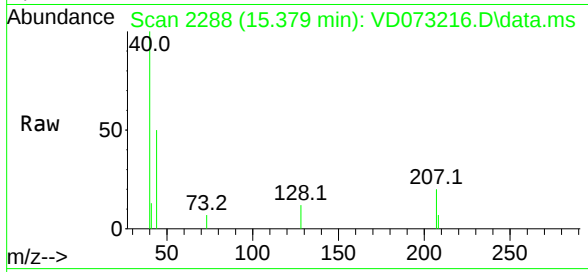
Tgt Ion: 75 Resp: 134033
Ion Ratio Lower Upper
75 100
53 0.7 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.569 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073216.D
Acq: 21 May 2022 08:16

Instrument :
MSVOA_D
ClientSampleId :
P008-SS002-1218-01



Tgt Ion:	128	Resp:	260
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

