

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073291.D
 Acq On : 23 May 2022 19:11
 Operator : VA/SY
 Sample : N2885-17
 Misc : 5.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P014-SS002-0006-01

Quant Time: May 24 03:28:48 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)

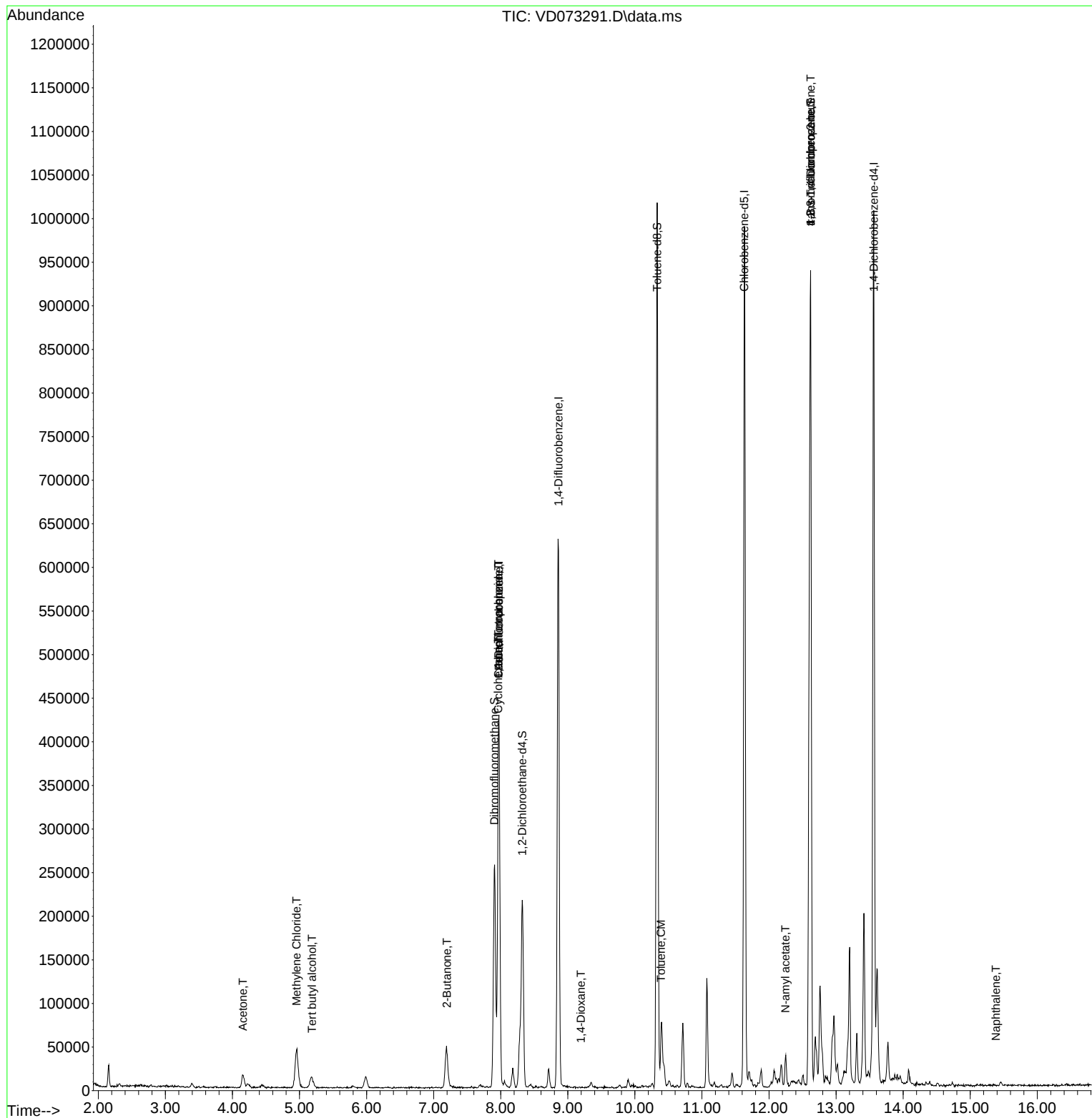
Internal Standards						
1) Pentafluorobenzene	7.973	168	312118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	555272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	575462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	167264	48.492	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.980%
35) Dibromofluoromethane	7.903	113	185603	50.655	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.320%
50) Toluene-d8	10.332	98	678153	50.209	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.420%
62) 4-Bromofluorobenzene	12.620	95	280827	59.246	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.500%
Target Compounds						
5) Bromomethane	2.791	94	423	Below Cal		94
11) Tert butyl alcohol	5.185	59	13101	24.480	ug/l #	74
16) Acetone	4.156	43	25903	43.355	ug/l	92
20) Methylene Chloride	4.956	84	32611	5.013	ug/l #	81
25) 2-Butanone	7.197	43	3280	3.752	ug/l #	81
31) Cyclohexane	7.961	56	10406	1.726	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	26427	4.796	ug/l #	50
38) Carbon Tetrachloride	7.967	117	32345	5.790	ug/l #	18
49) 1,4-Dioxane	9.197	88	55	2.424	ug/l #	6
52) Toluene	10.391	92	26433	2.634	ug/l	95
74) N-amyl acetate	12.244	43	6509	1.578	ug/l #	60
76) 1,2,3-Trichloropropane	12.620	75	144081	55.360	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	144081	132.903	ug/l #	7
95) Naphthalene	15.385	128	1017	3.650	ug/l #	70

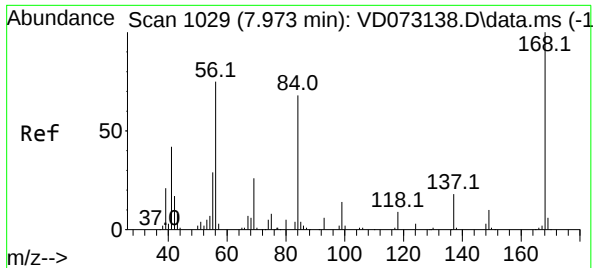
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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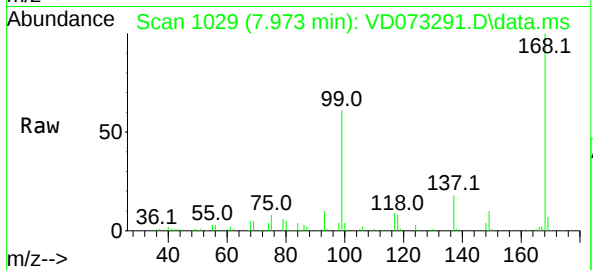
Quant Time: May 24 03:28:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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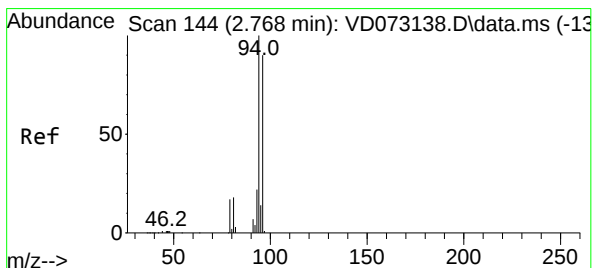
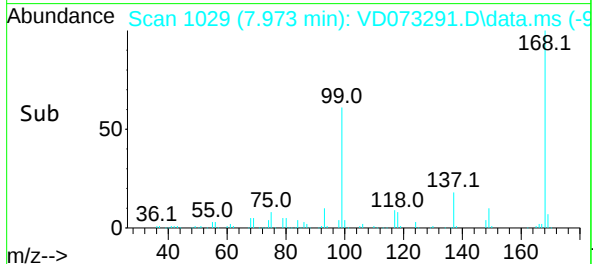
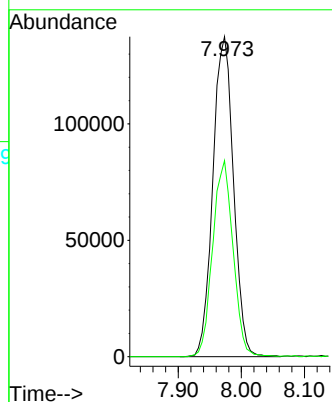


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-0006-01

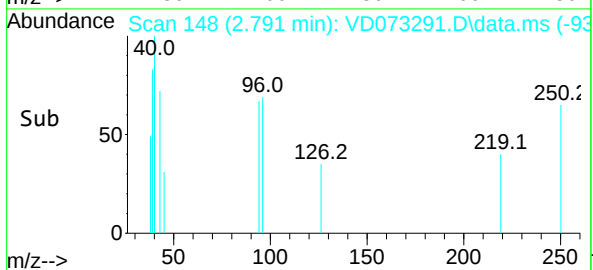
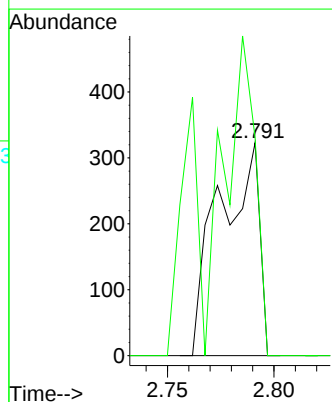
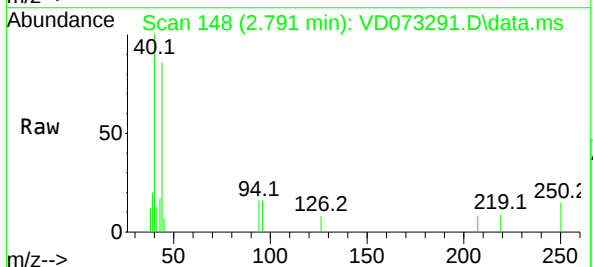


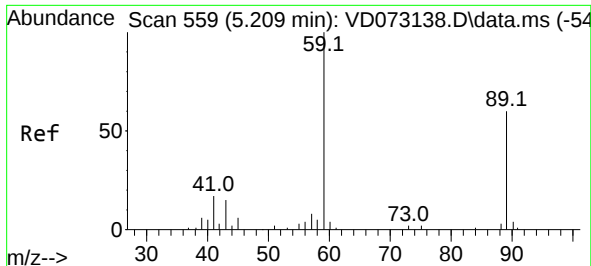
Tgt Ion:168 Resp: 312118
Ion Ratio Lower Upper
168 100
99 61.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Tgt Ion: 94 Resp: 423
Ion Ratio Lower Upper
94 100
96 102.5 77.6 116.4

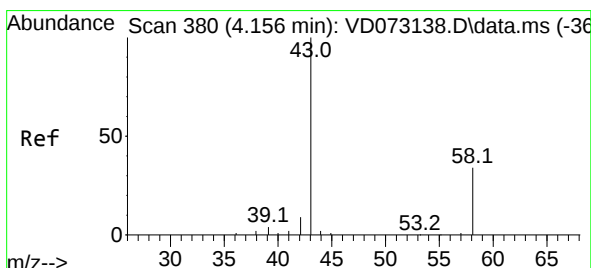
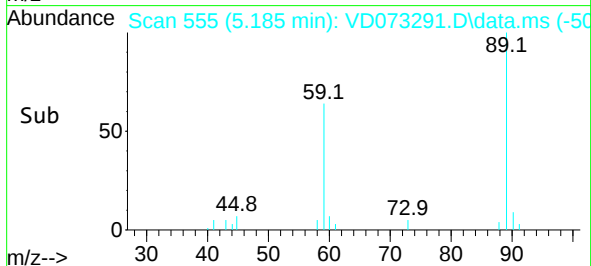
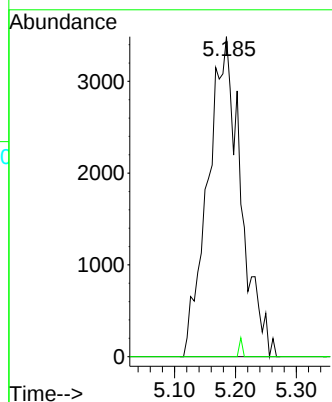
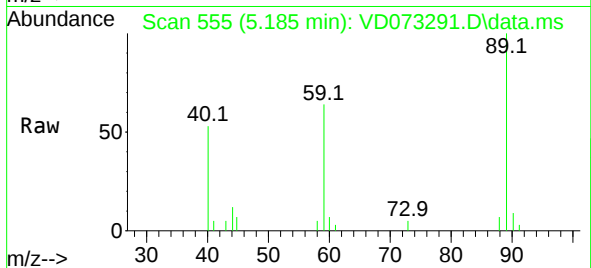




#11
Tert butyl alcohol
Concen: 24.480 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

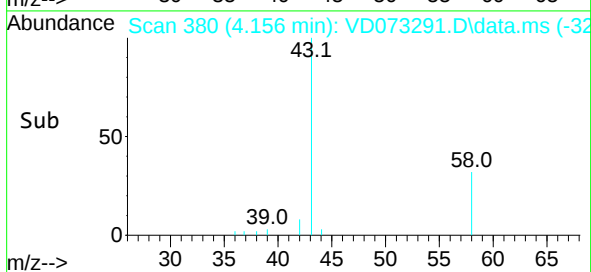
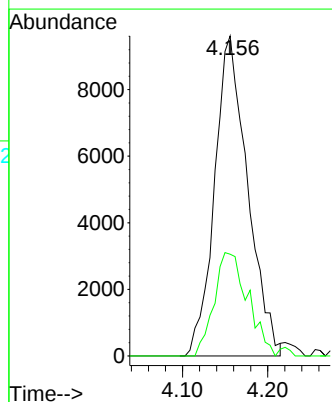
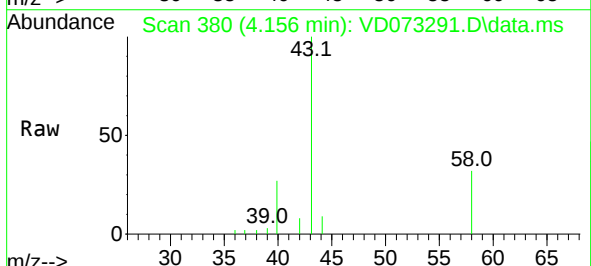
Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-0006-01

Tgt Ion: 59 Resp: 13101
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 43.355 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

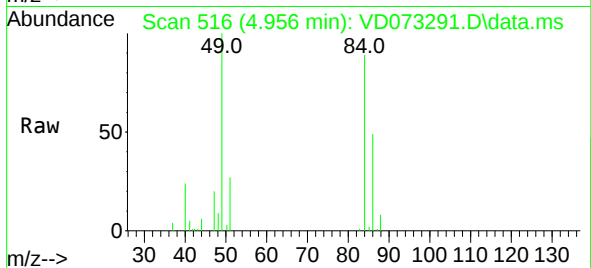
Tgt Ion: 43 Resp: 25903
Ion Ratio Lower Upper
43 100
58 31.8 22.1 33.1



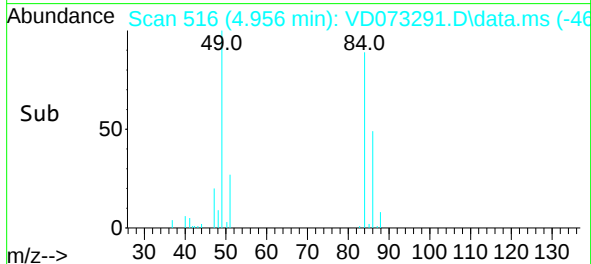
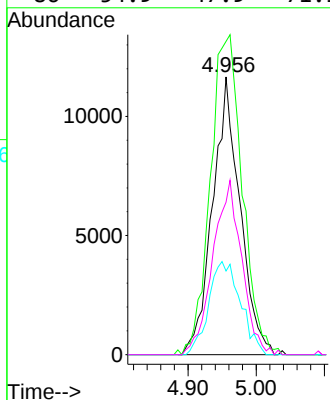


#20
Methylene Chloride
Concen: 5.013 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-0006-01

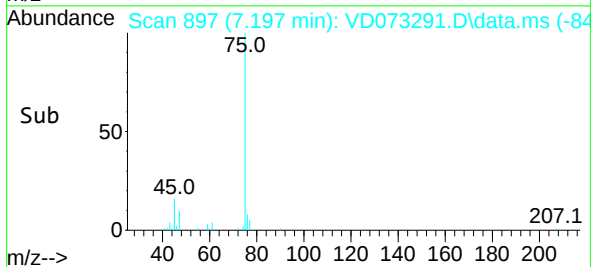
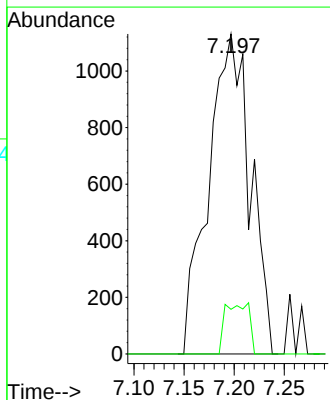
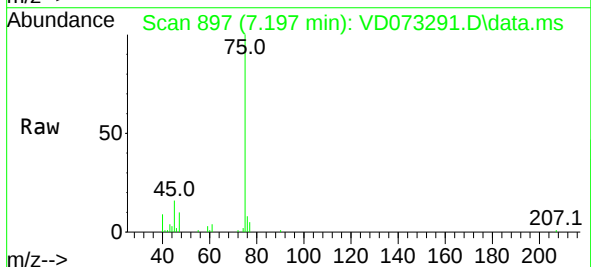


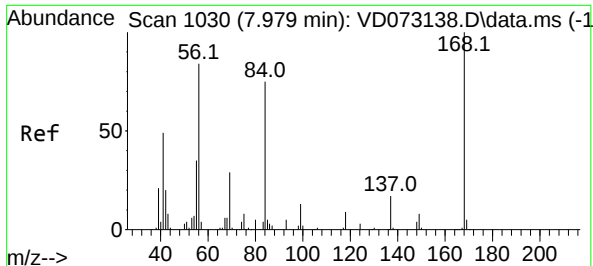
Tgt Ion:	84	Resp:	32611
Ion	Ratio	Lower	Upper
84	100		
49	111.1	112.8	169.2#
51	30.1	32.6	48.8#
86	54.9	47.9	71.9



#25
2-Butanone
Concen: 3.752 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

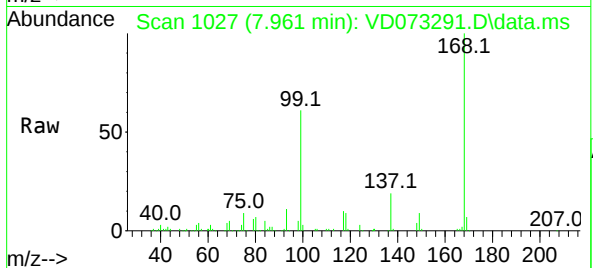
Tgt Ion:	43	Resp:	3280
Ion	Ratio	Lower	Upper
43	100		
72	14.0	18.6	27.8#



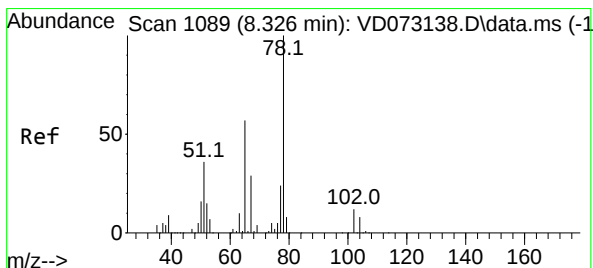
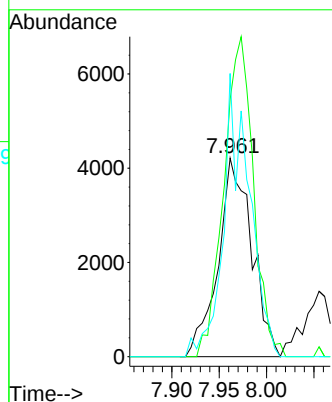
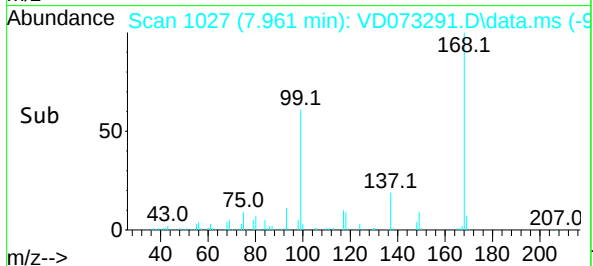


#31
Cyclohexane
Concen: 1.726 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-0006-01

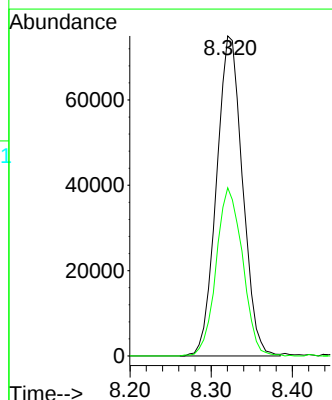
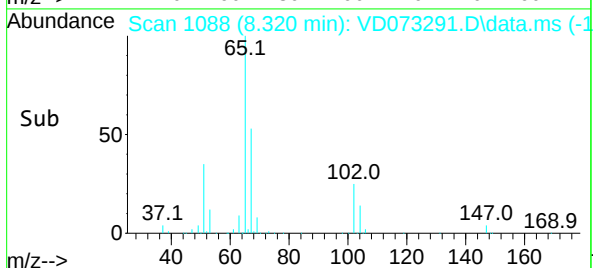
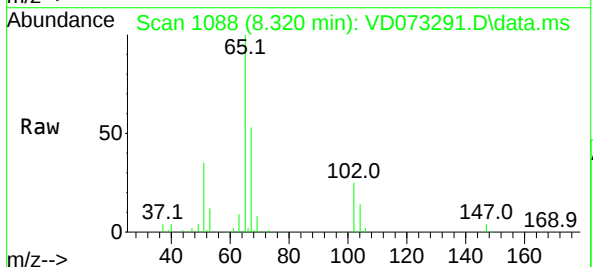


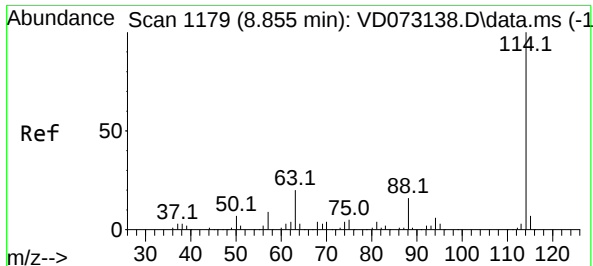
Tgt Ion: 56 Resp: 10406
Ion Ratio Lower Upper
56 100
69 129.5 25.4 38.2#
84 142.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 48.492 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Tgt Ion: 65 Resp: 167264
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# 1179

Delta R.T. 0.006 min

Lab File: VD073291.D

Acq: 23 May 2022 19:11

Instrument :

MSVOA_D

ClientSampleId :

P014-SS002-0006-01

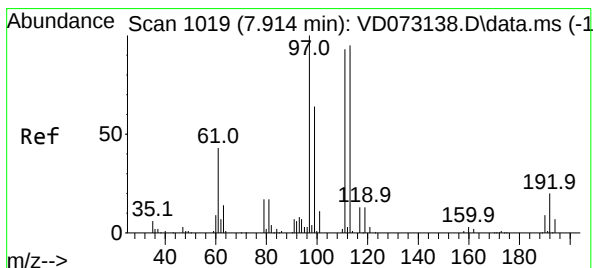
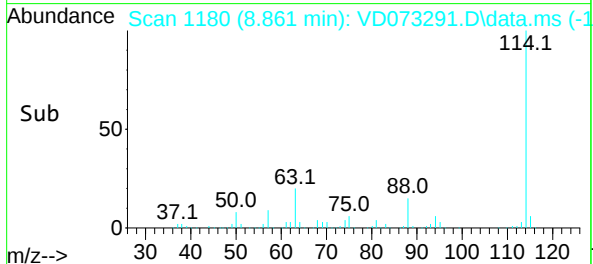
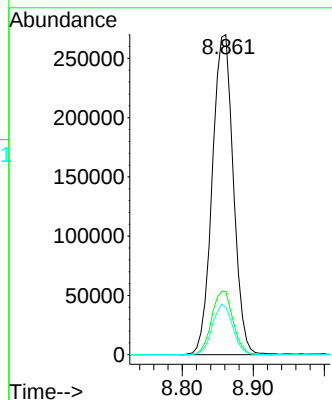
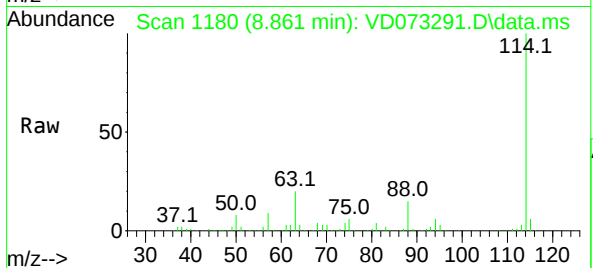
Tgt Ion:114 Resp: 555272

Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 14.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.655 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.011 min

Lab File: VD073291.D

Acq: 23 May 2022 19:11

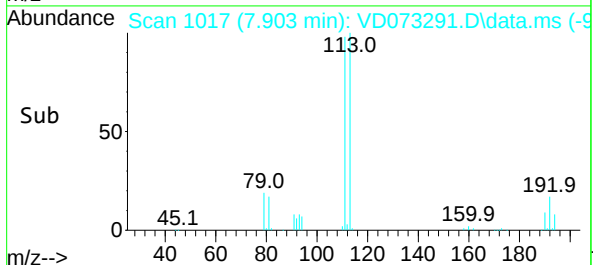
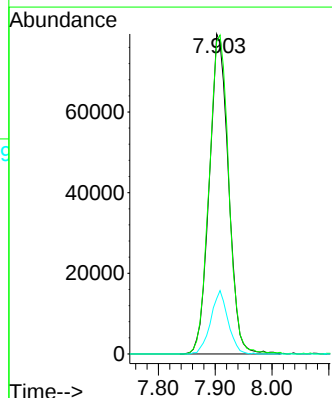
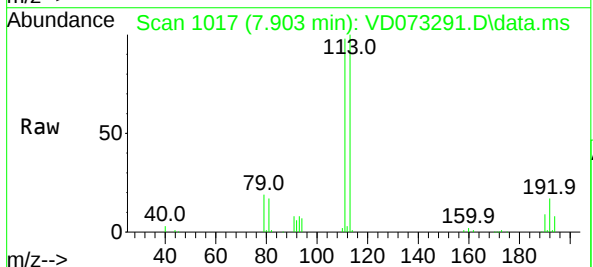
Tgt Ion:113 Resp: 185603

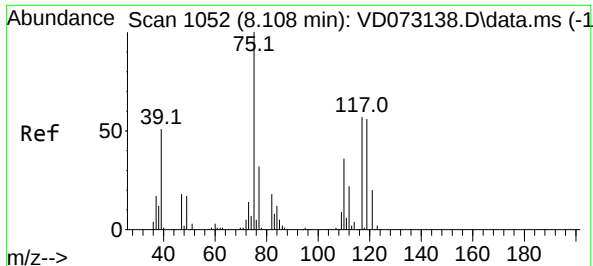
Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.796 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073291.D

Acq: 23 May 2022 19:11

Instrument :

MSVOA_D

ClientSampleId :

P014-SS002-0006-01

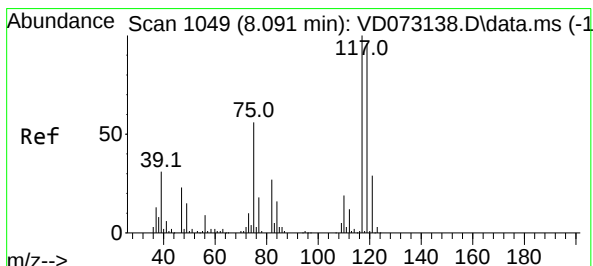
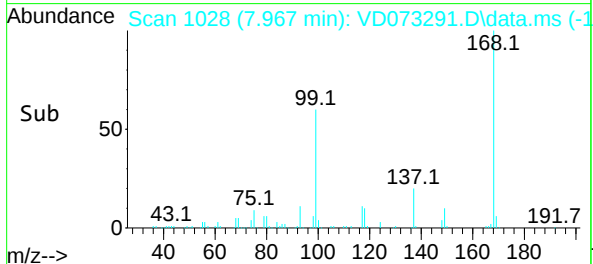
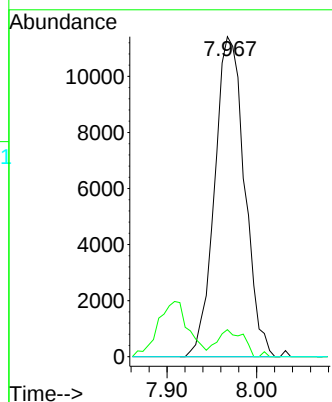
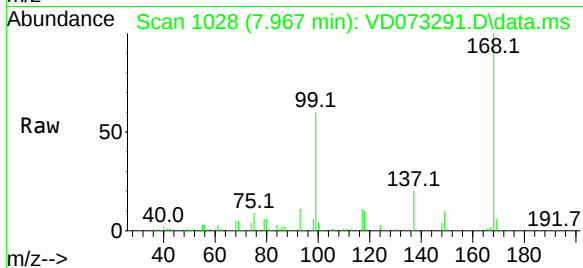
Tgt Ion: 75 Resp: 26427

Ion Ratio Lower Upper

75 100

110 7.3 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073291.D

Acq: 23 May 2022 19:11

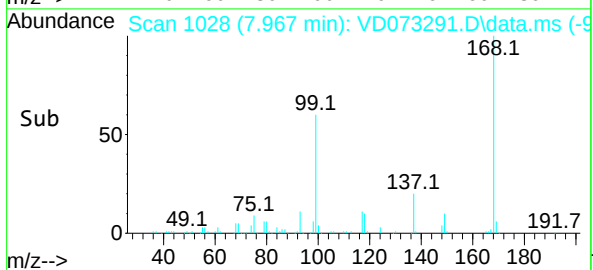
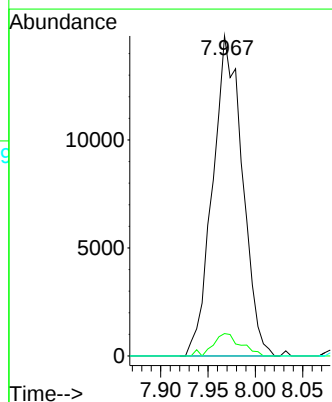
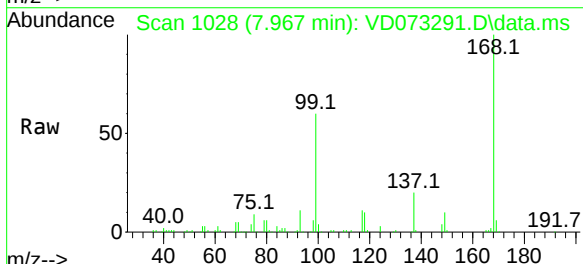
Tgt Ion: 117 Resp: 32345

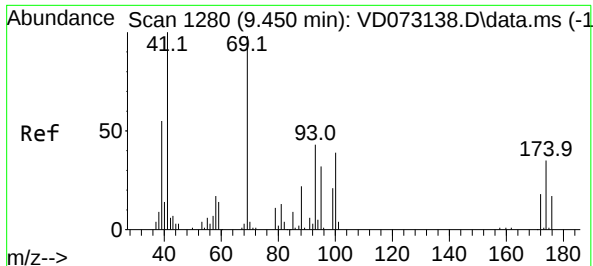
Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.6#

121 0.0 24.5 36.7#

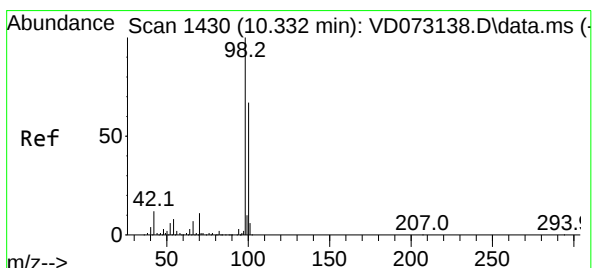
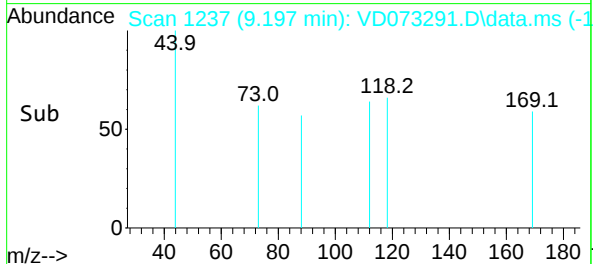
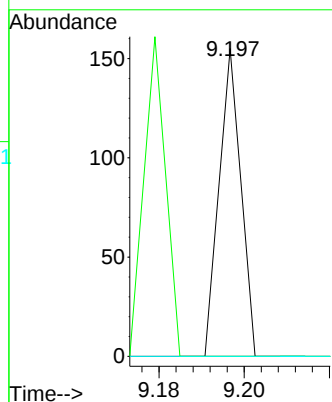
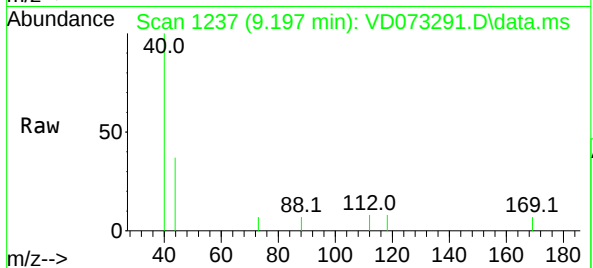




#49
1,4-Dioxane
Concen: 2.424 ug/l
RT: 9.197 min Scan# 11
Delta R.T. -0.253 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

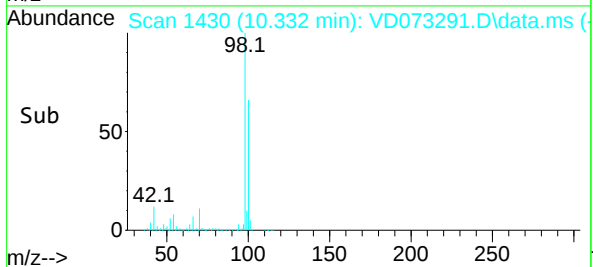
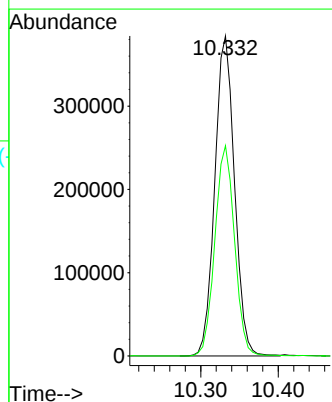
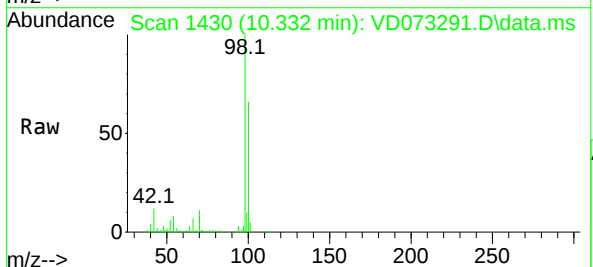
Instrument :
MSVOA_D
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P014-SS002-0006-01

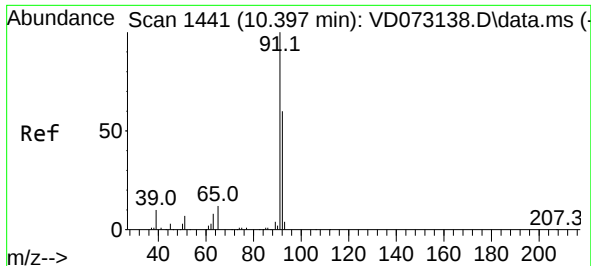
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 103.6 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 50.209 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Tgt Ion: 98 Resp: 678153
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

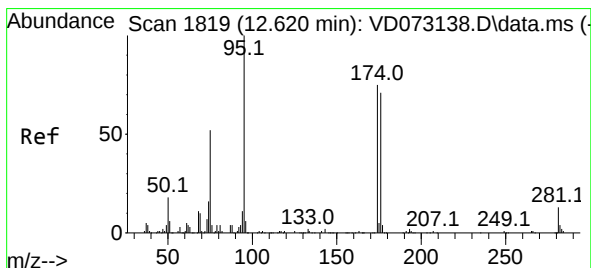
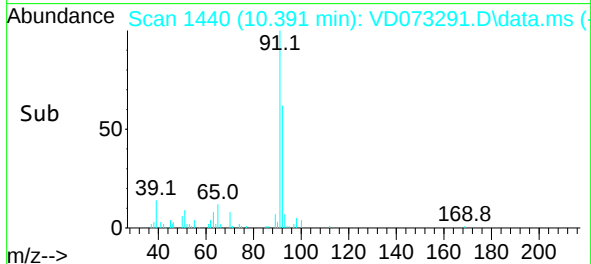
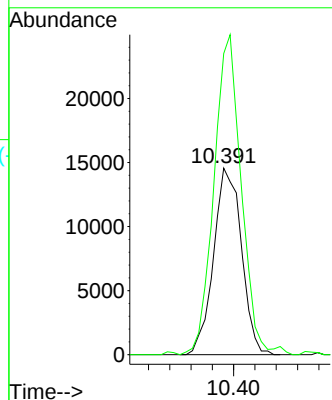
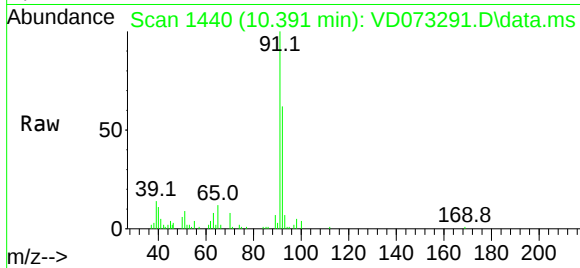




#52
Toluene
Concen: 2.634 ug/l
RT: 10.391 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

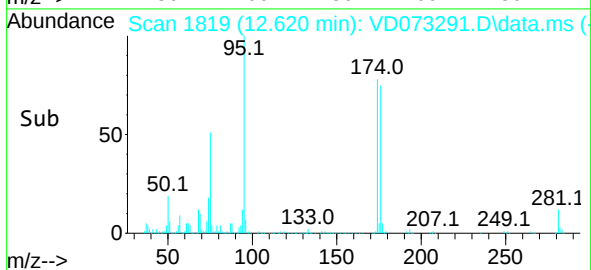
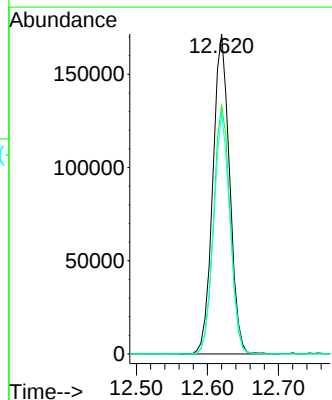
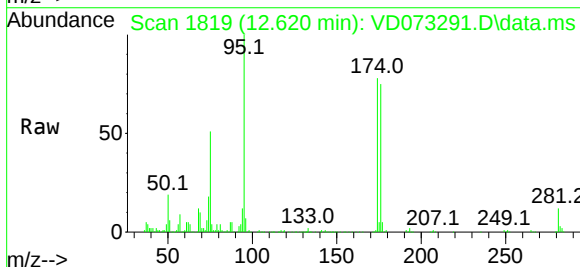
Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-0006-01

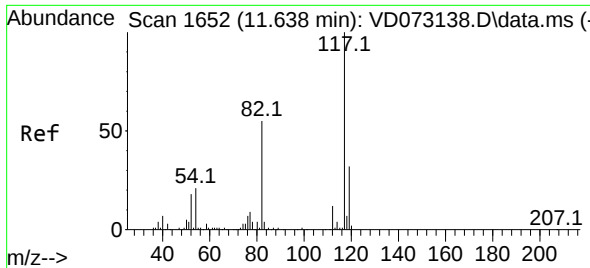
Tgt Ion: 92 Resp: 26433
Ion Ratio Lower Upper
92 100
91 168.0 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 59.246 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Tgt Ion: 95 Resp: 280827
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 73.1 0.0 145.4

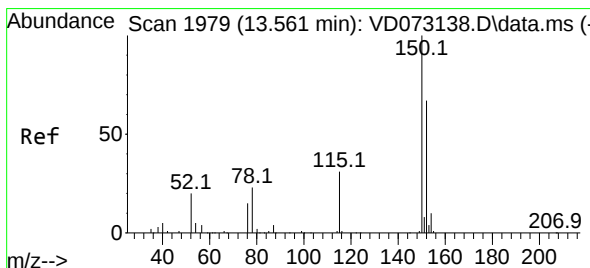
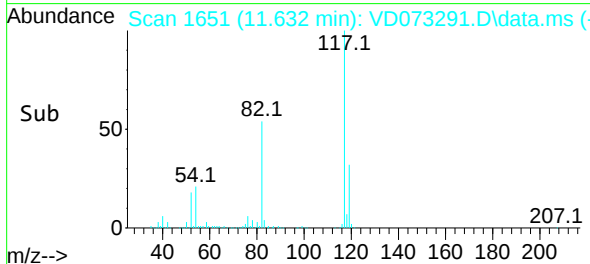
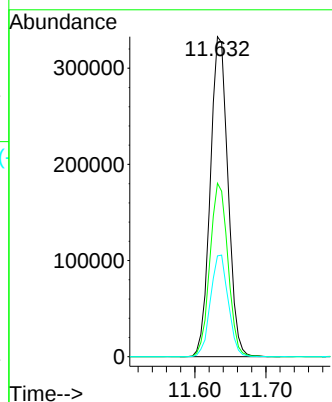
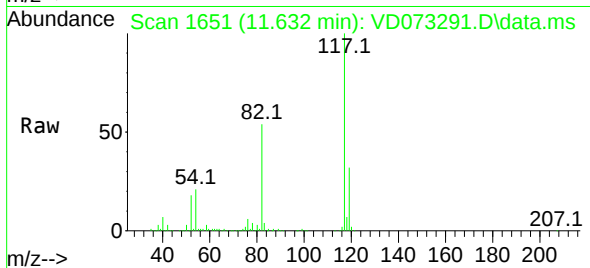




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

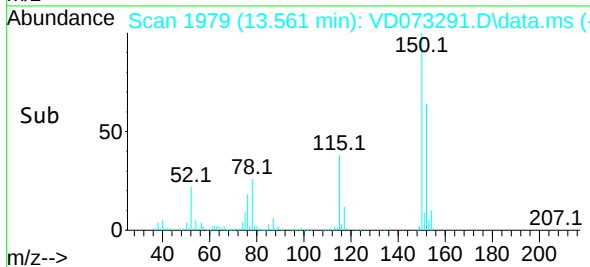
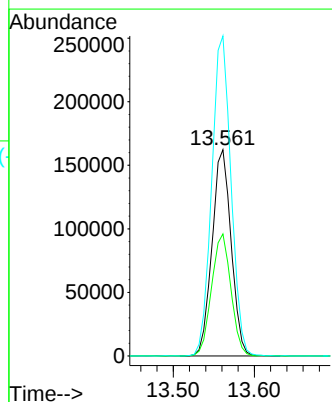
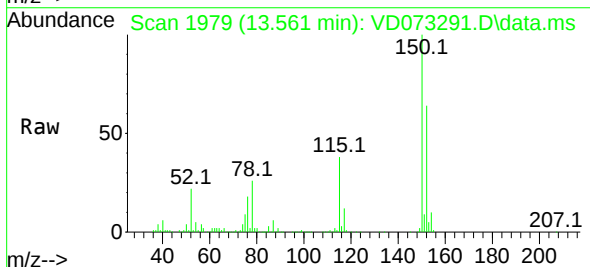
Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-0006-01

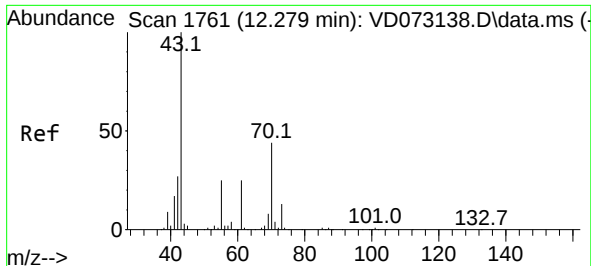
Tgt Ion:117 Resp: 575462
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 31.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Tgt Ion:152 Resp: 265255
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 156.6 0.0 348.6

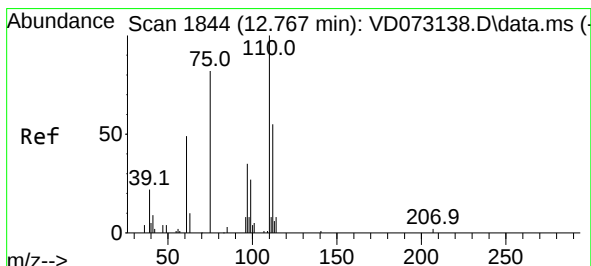
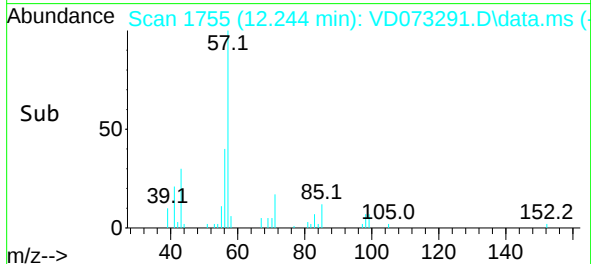
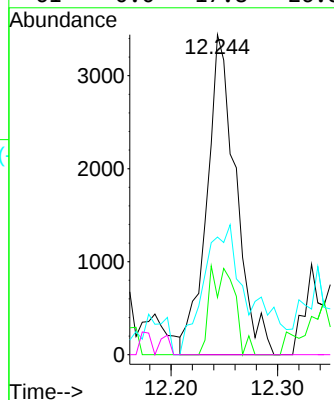
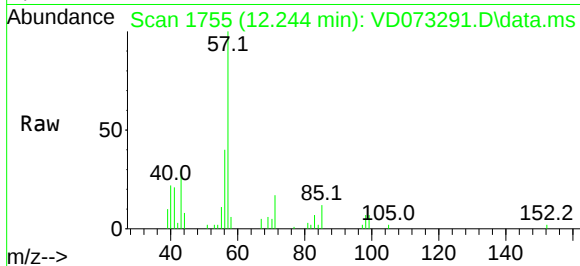




#74
N-amy1 acetate
Concen: 1.578 ug/l
RT: 12.244 min Scan# 1819
Delta R.T. -0.035 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

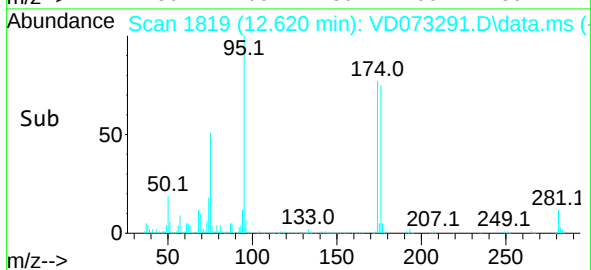
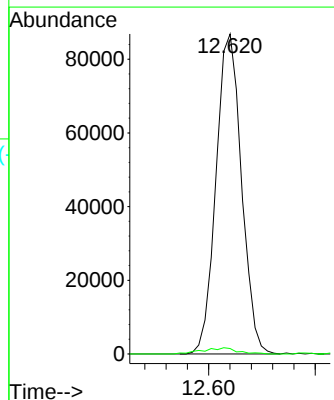
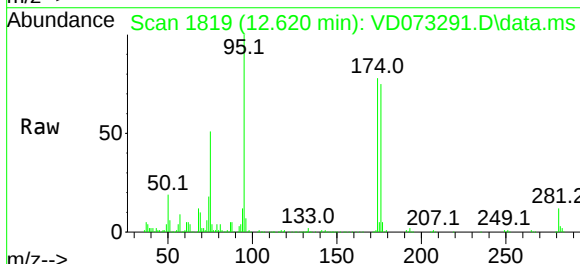
Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-0006-01

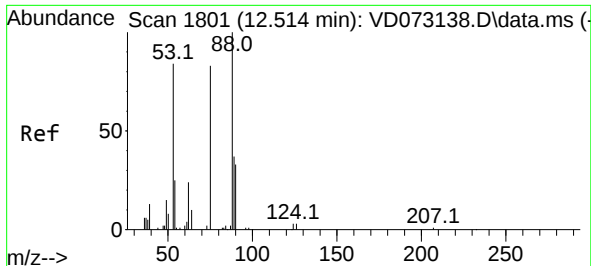
Tgt Ion: 43	Resp: 6509
Ion Ratio	Lower Upper
43 100	
70 23.3	31.3 46.9#
55 52.4	20.0 30.0#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 55.360 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Tgt Ion: 75	Resp: 144081
Ion Ratio	Lower Upper
75 100	
77 2.6	0.0 0.0#

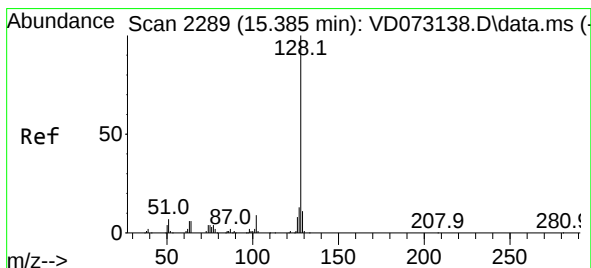
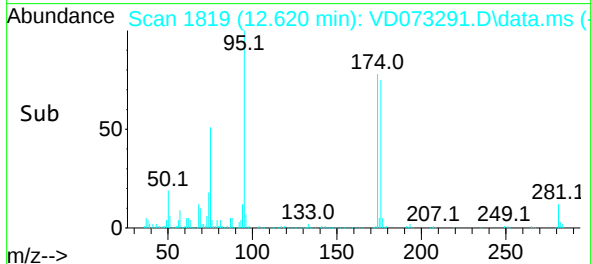
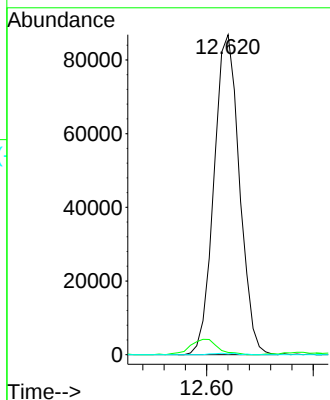
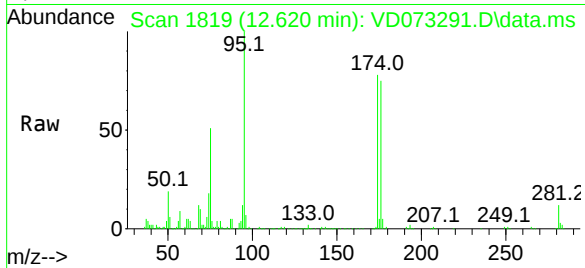




#81
trans-1,4-Dichloro-2-butene
Concen: 132.903 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Instrument :
MSVOA_D
ClientSampleId :
P014-SS002-0006-01

Tgt Ion: 75 Resp: 144081
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.4 33.9 50.9#



#95
Naphthalene
Concen: 3.650 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073291.D
Acq: 23 May 2022 19:11

Tgt Ion: 128 Resp: 1017
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

