

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073396.D
 Acq On : 26 May 2022 18:58
 Operator : VA/SY
 Sample : N3072-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-4206

Quant Time: May 27 01:33:35 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)

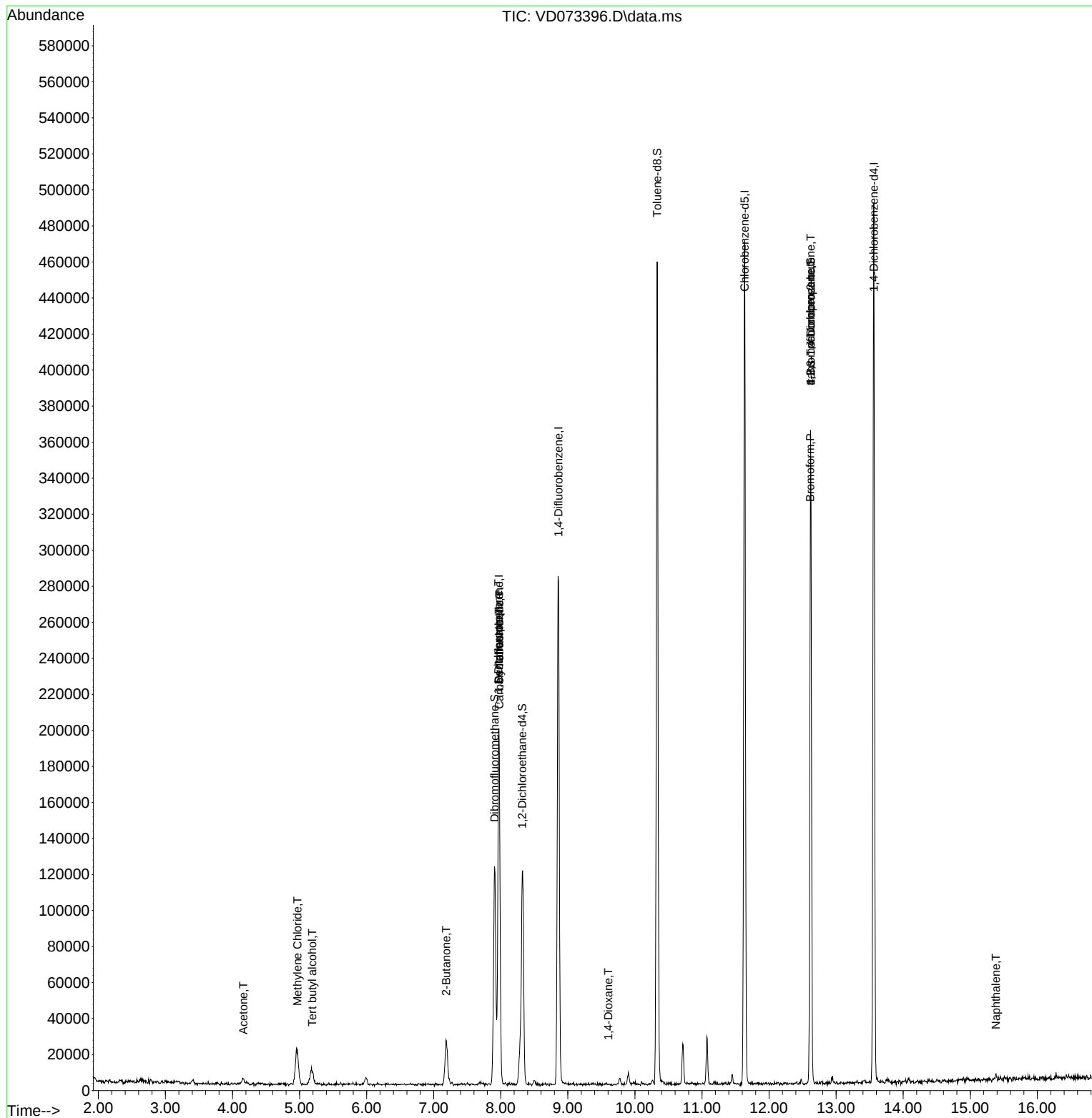
Internal Standards						
1) Pentafluorobenzene	7.973	168	144665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	246129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	281853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	128109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	93095	58.230	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.460%
35) Dibromofluoromethane	7.908	113	89043	54.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.660%
50) Toluene-d8	10.331	98	312835	52.253	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.500%
62) 4-Bromofluorobenzene	12.620	95	119178	56.723	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.767	94	528	Below Cal	#	57
11) Tert butyl alcohol	5.191	59	8126	32.760	ug/l #	74
16) Acetone	4.161	43	5428	19.601	ug/l	93
20) Methylene Chloride	4.967	84	15041	4.967	ug/l #	85
25) 2-Butanone	7.185	43	1694	4.181	ug/l #	52
31) Cyclohexane	7.973	56	3321	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	11862	4.856	ug/l #	50
38) Carbon Tetrachloride	7.979	117	15007	6.061	ug/l #	17
49) 1,4-Dioxane	9.602	88	61	6.066	ug/l #	21
71) Bromoform	12.614	173	1399	1.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	61459	48.895	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	61459	117.381	ug/l #	7
95) Naphthalene	15.384	128	3014	4.209	ug/l #	92

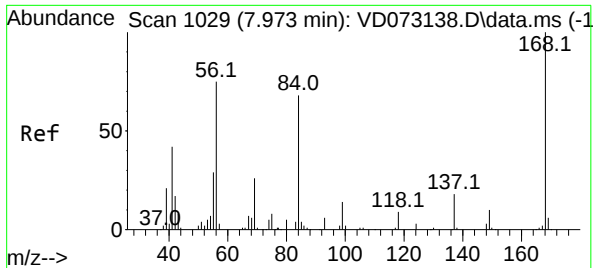
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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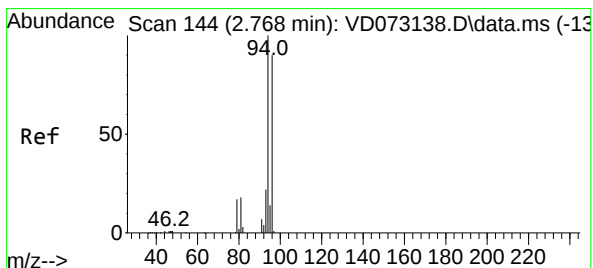
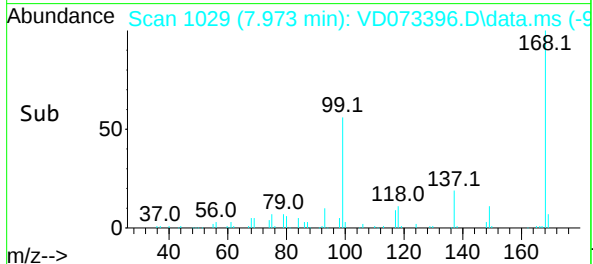
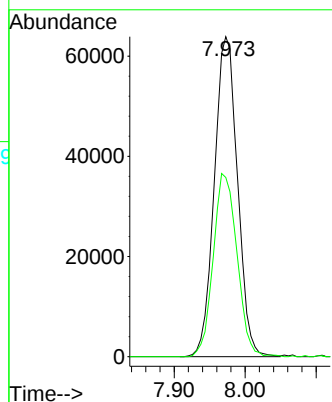
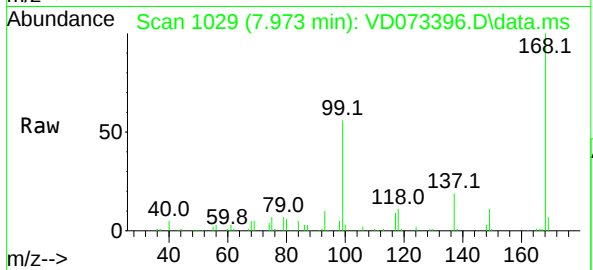




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

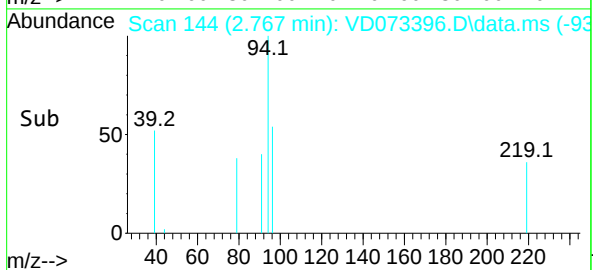
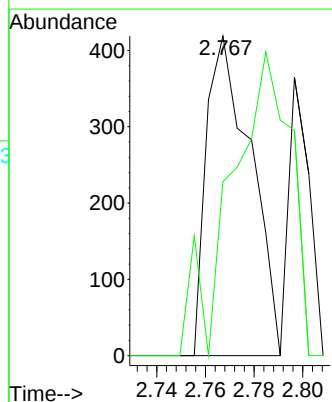
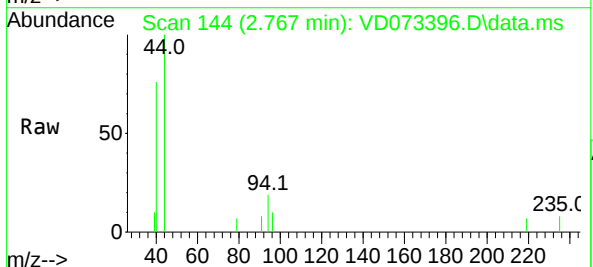
Instrument :
MSVOA_D
ClientSampleId :
RT-4206

Tgt Ion:168 Resp: 144665
Ion Ratio Lower Upper
168 100
99 56.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

Tgt Ion: 94 Resp: 528
Ion Ratio Lower Upper
94 100
96 54.4 77.6 116.4#





#11

Tert butyl alcohol

Concen: 32.760 ug/l

RT: 5.191 min Scan# 51

Delta R.T. -0.018 min

Lab File: VD073396.D

Acq: 26 May 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

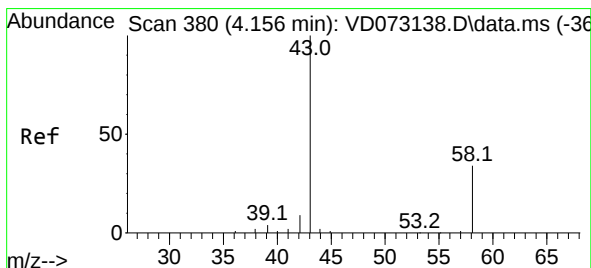
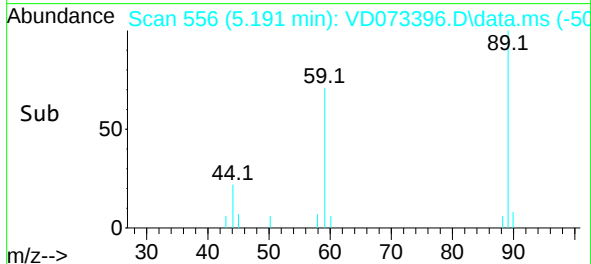
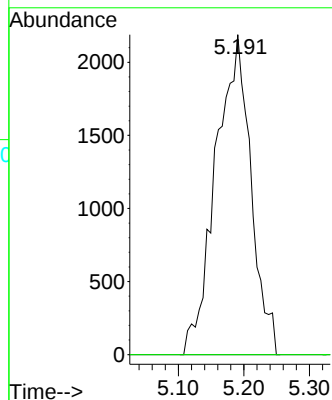
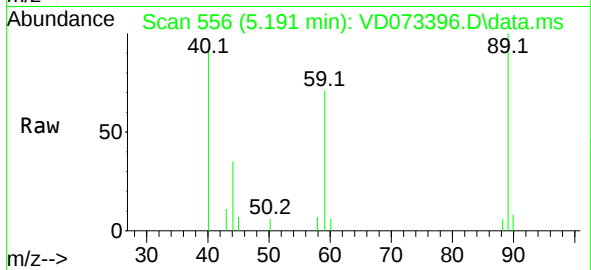
RT-4206

Tgt Ion: 59 Resp: 8126

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 19.601 ug/l

RT: 4.161 min Scan# 381

Delta R.T. 0.005 min

Lab File: VD073396.D

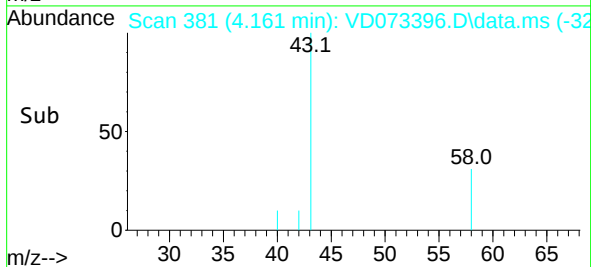
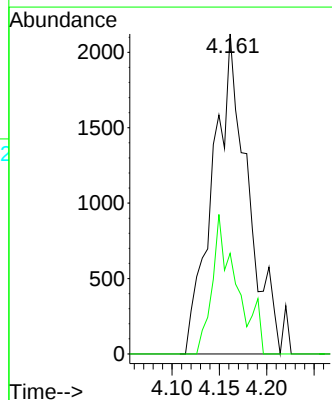
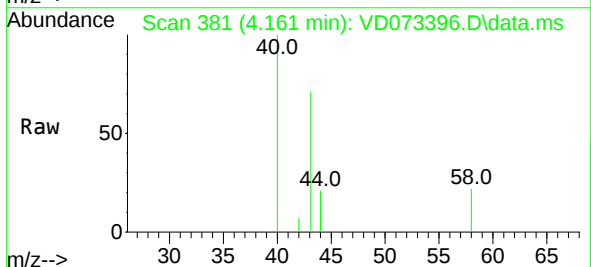
Acq: 26 May 2022 18:58

Tgt Ion: 43 Resp: 5428

Ion Ratio Lower Upper

43 100

58 31.4 22.1 33.1





#20

Methylene Chloride

Concen: 4.967 ug/l

RT: 4.967 min Scan# 517

Delta R.T. 0.005 min

Lab File: VD073396.D

Acq: 26 May 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

RT-4206

Tgt Ion: 84 Resp: 15041

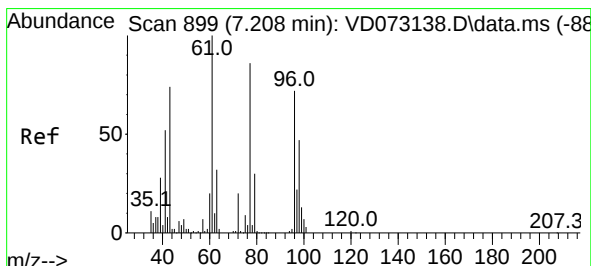
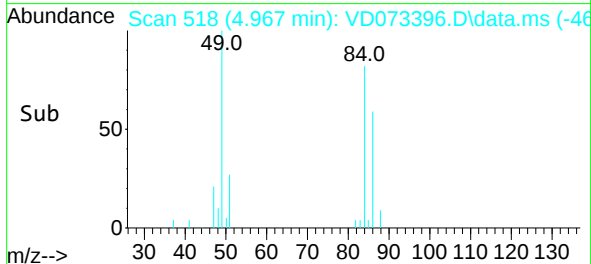
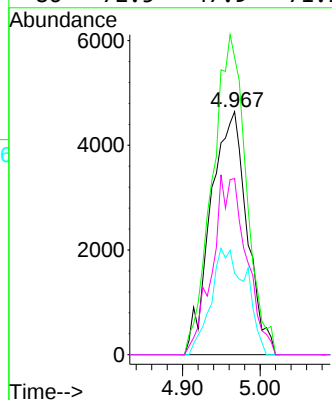
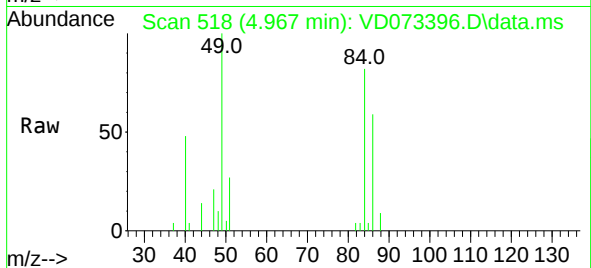
Ion Ratio Lower Upper

84 100

49 122.4 112.8 169.2

51 33.5 32.6 48.8

86 72.5 47.9 71.9#



#25

2-Butanone

Concen: 4.181 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.023 min

Lab File: VD073396.D

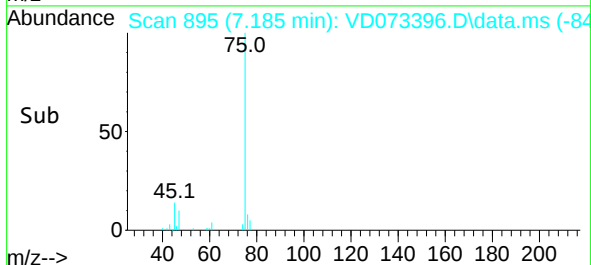
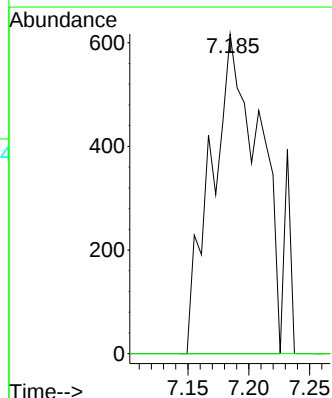
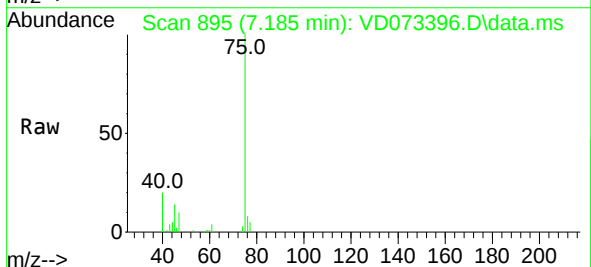
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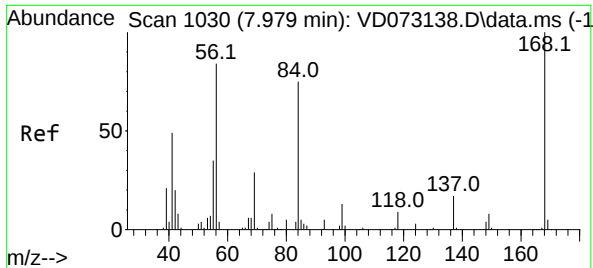
Tgt Ion: 43 Resp: 1694

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

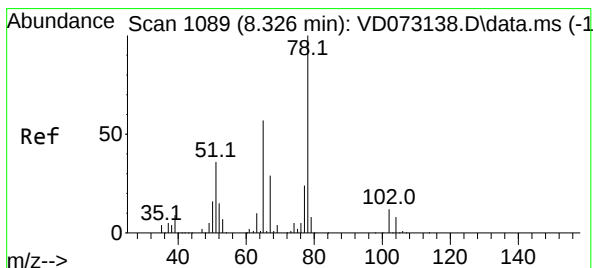
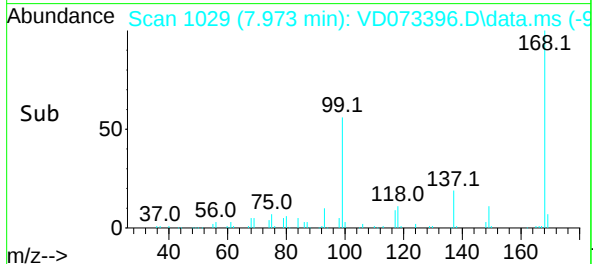
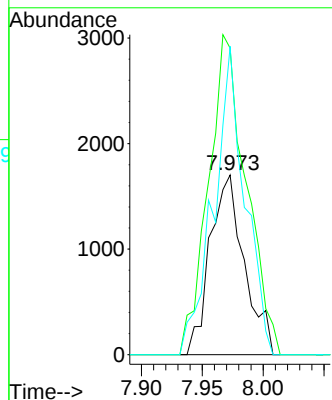
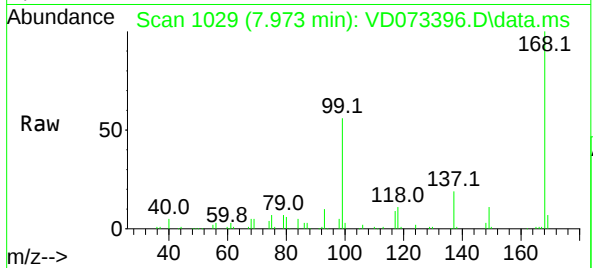




#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

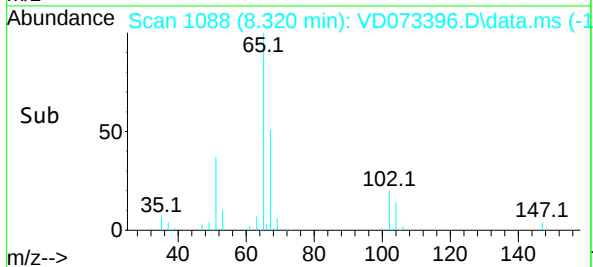
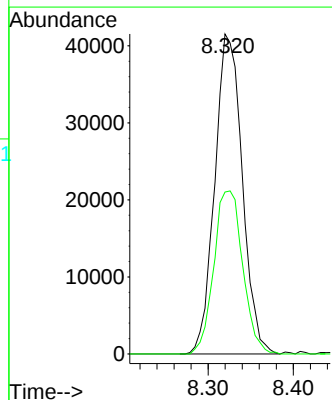
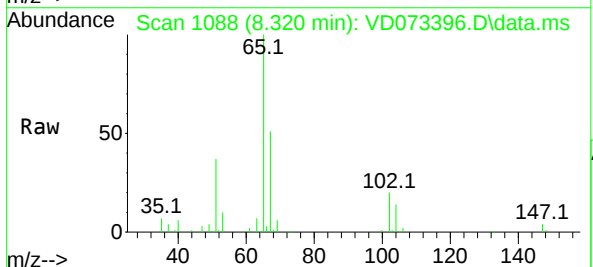
Instrument :
MSVOA_D
ClientSampleId :
RT-4206

Tgt Ion: 56 Resp: 3321
Ion Ratio Lower Upper
56 100
69 170.5 25.4 38.2#
84 171.5 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 58.230 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

Tgt Ion: 65 Resp: 93095
Ion Ratio Lower Upper
65 100
67 53.5 0.0 101.4

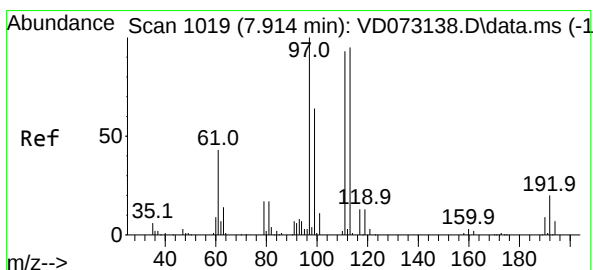
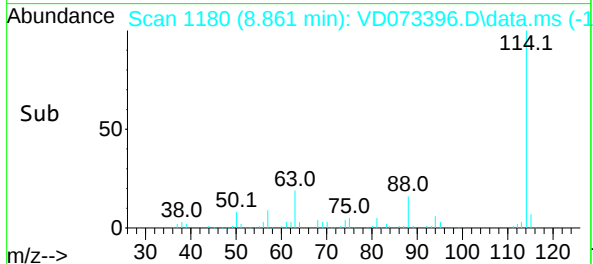
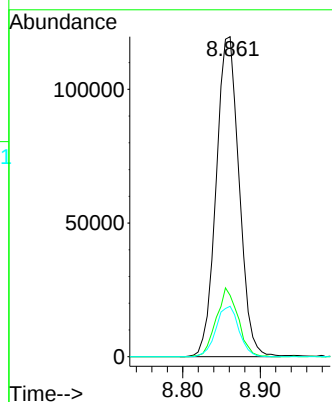
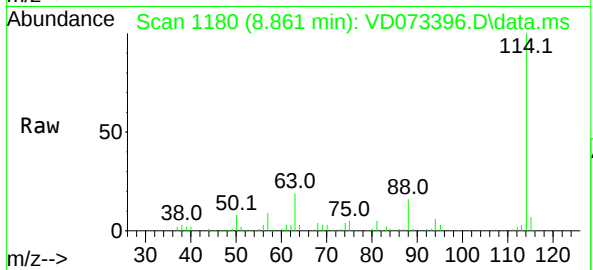




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

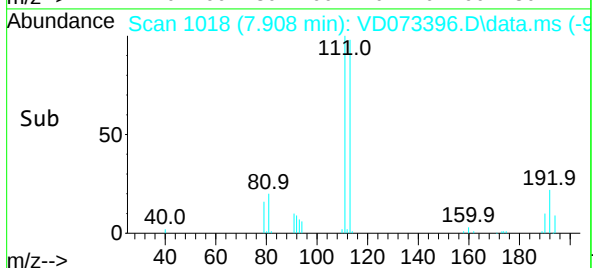
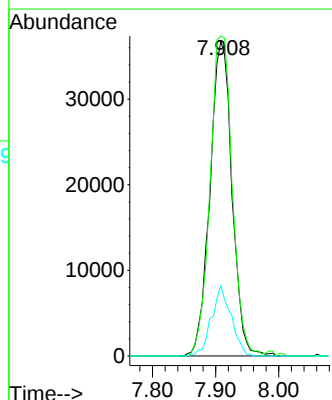
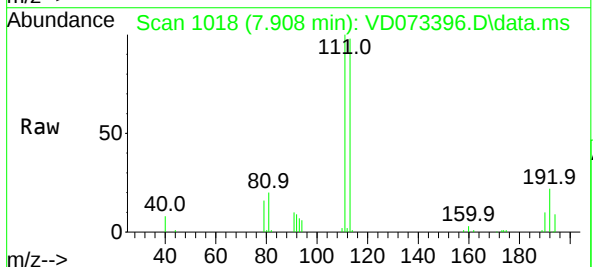
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MSVOA_D
ClientSampleId :
RT-4206

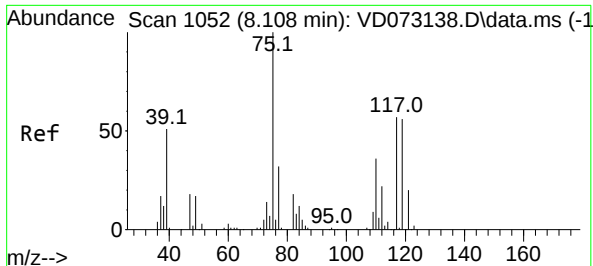
Tgt Ion:114 Resp: 246129
Ion Ratio Lower Upper
114 100
63 19.1 0.0 46.6
88 15.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 54.825 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

Tgt Ion:113 Resp: 89043
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.6
192 19.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.856 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073396.D

Acq: 26 May 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

RT-4206

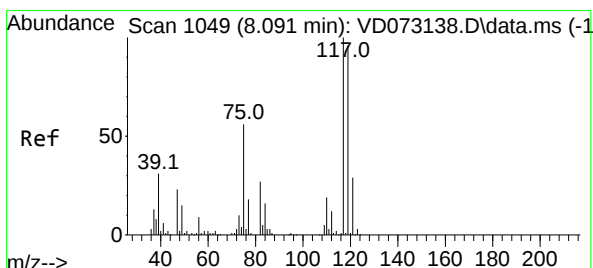
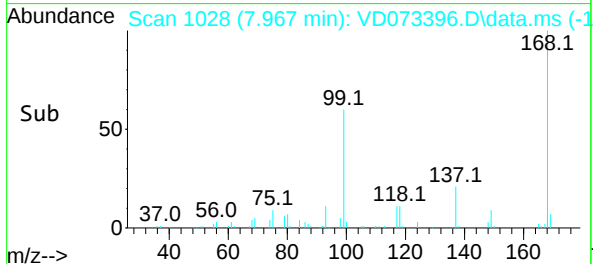
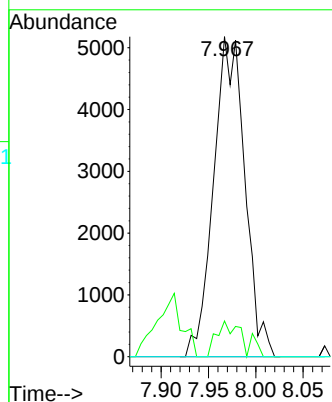
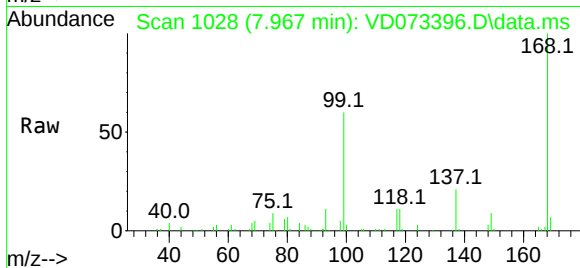
Tgt Ion: 75 Resp: 11862

Ion Ratio Lower Upper

75 100

110 7.8 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.061 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD073396.D

Acq: 26 May 2022 18:58

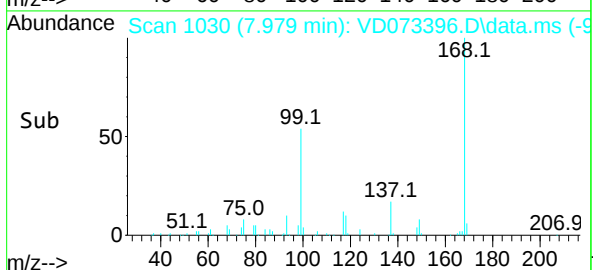
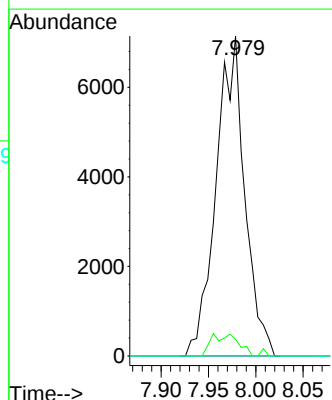
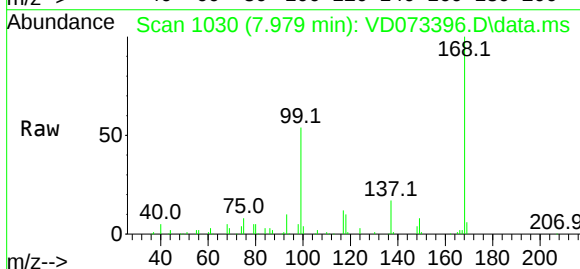
Tgt Ion: 117 Resp: 15007

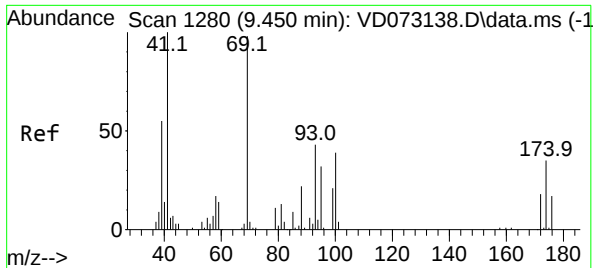
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

121 0.0 24.5 36.7#

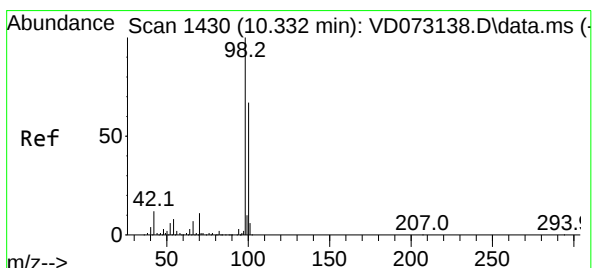
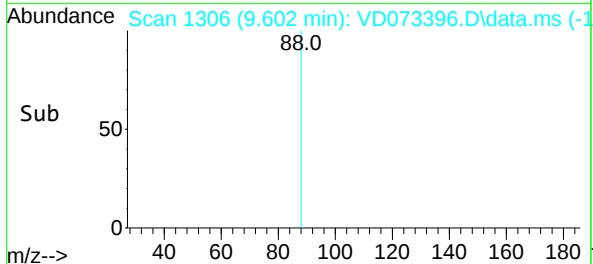
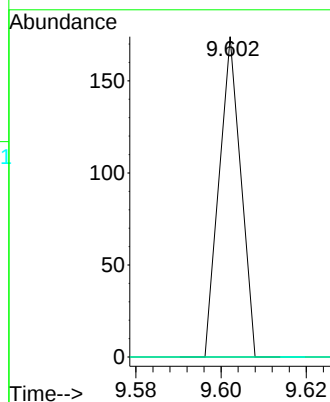
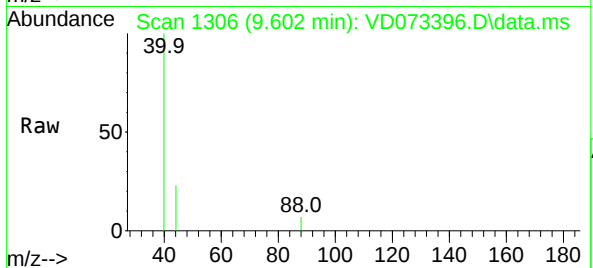




#49
1,4-Dioxane
Concen: 6.066 ug/l
RT: 9.602 min Scan# 11
Delta R.T. 0.152 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

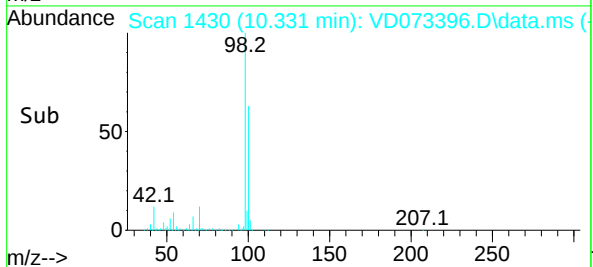
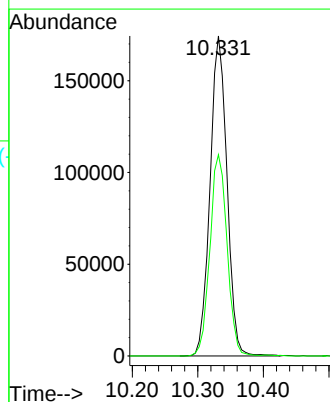
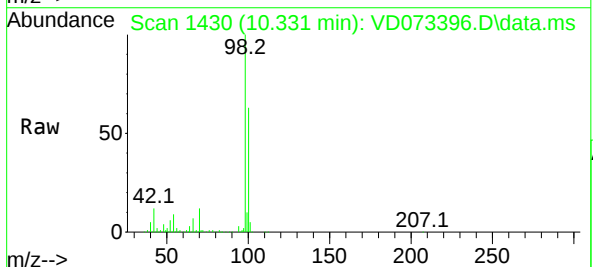
Instrument :
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RT-4206

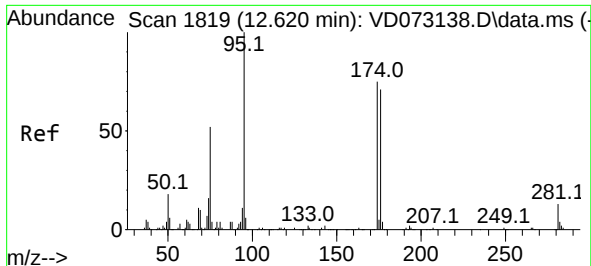
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 52.253 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.001 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

Tgt Ion: 98 Resp: 312835
Ion Ratio Lower Upper
98 100
100 63.7 52.4 78.6

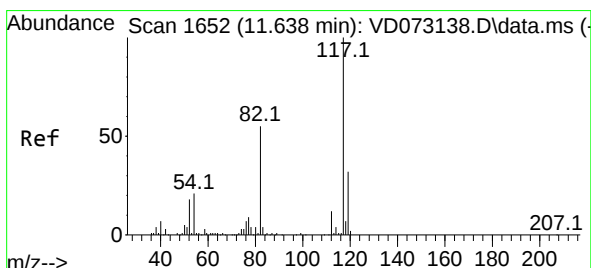
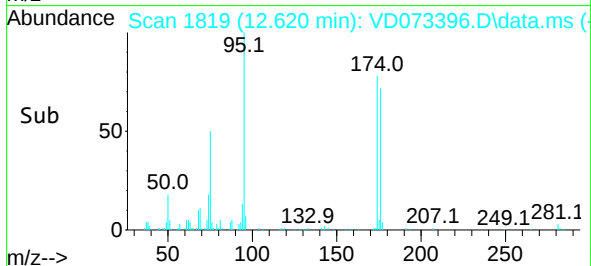
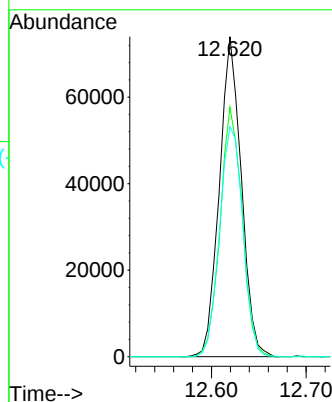
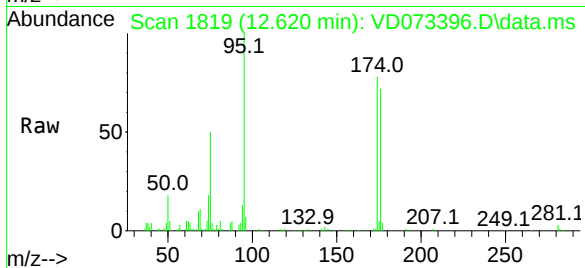




#62
4-Bromofluorobenzene
Concen: 56.723 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

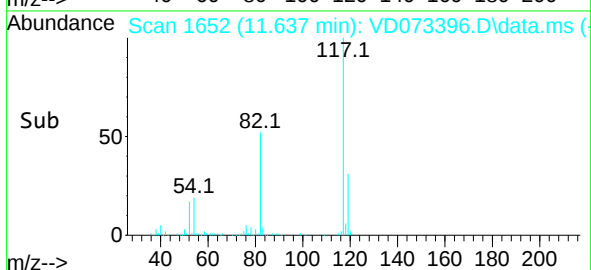
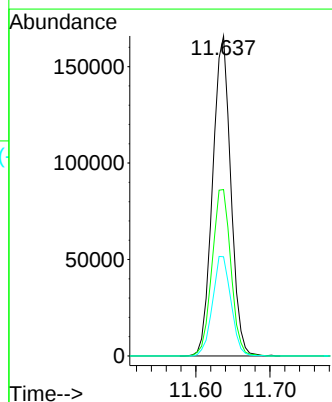
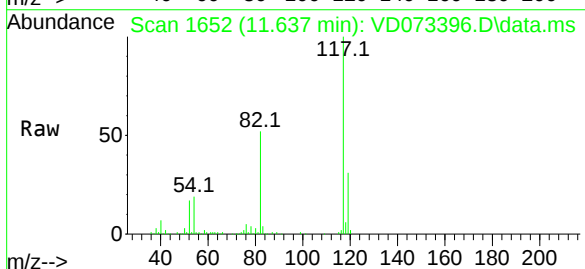
Instrument :
MSVOA_D
ClientSampleId :
RT-4206

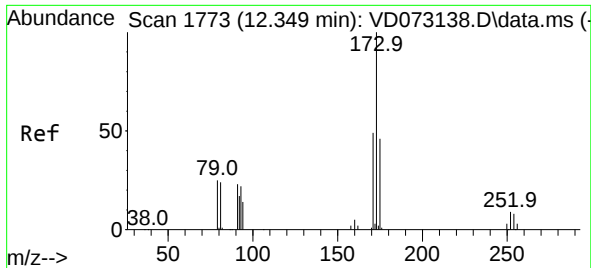
Tgt Ion: 95 Resp: 119178
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 76.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

Tgt Ion: 117 Resp: 281853
Ion Ratio Lower Upper
117 100
82 52.0 45.3 67.9
119 31.0 26.6 40.0

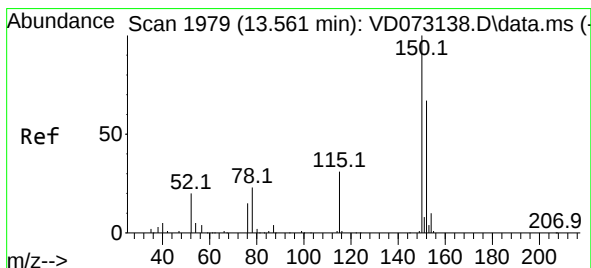
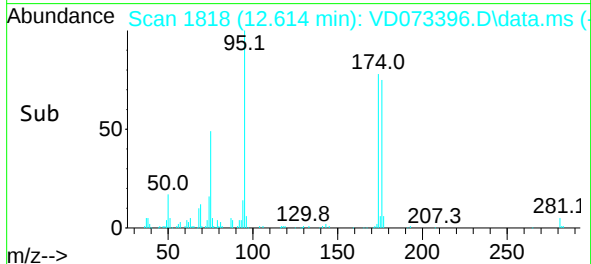
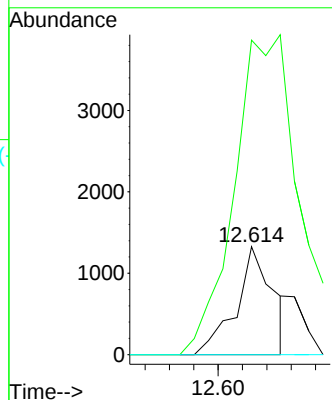
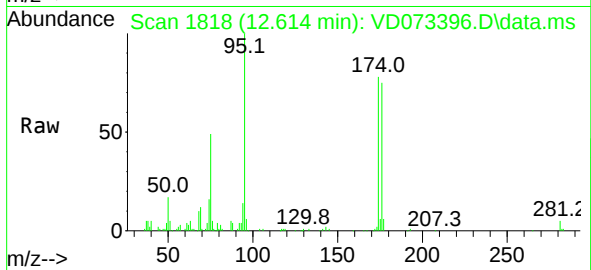




#71
Bromoform
Concen: 1.268 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

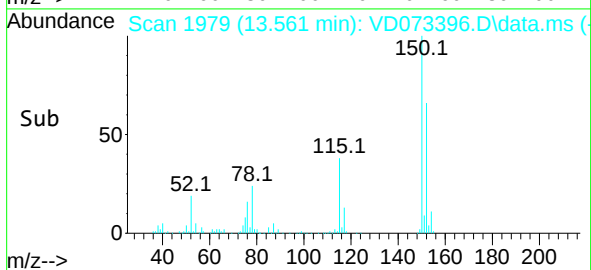
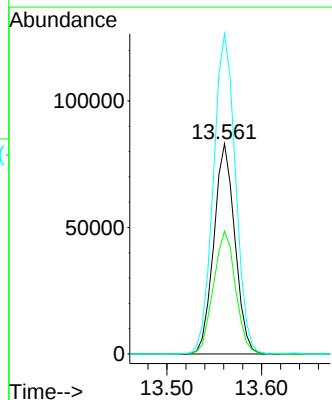
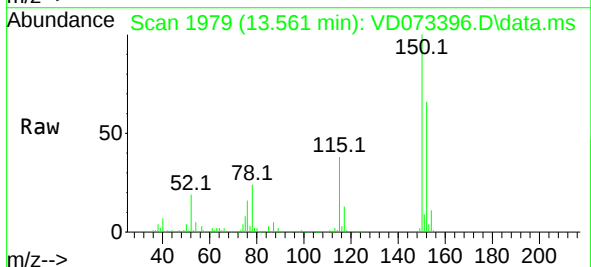
Instrument :
MSVOA_D
ClientSampleId :
RT-4206

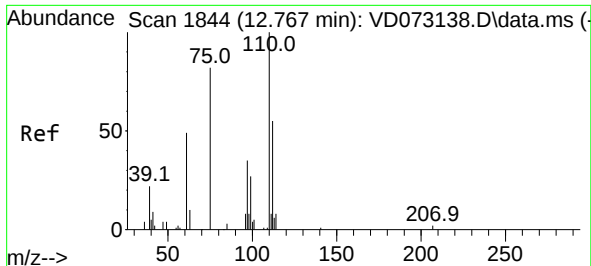
Tgt Ion:173 Resp: 1399
Ion Ratio Lower Upper
173 100
175 295.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

Tgt Ion:152 Resp: 128109
Ion Ratio Lower Upper
152 100
115 61.4 31.3 93.8
150 160.5 0.0 348.6

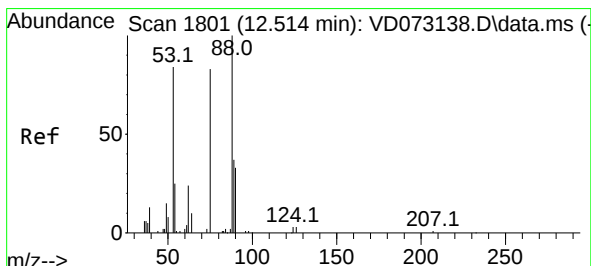
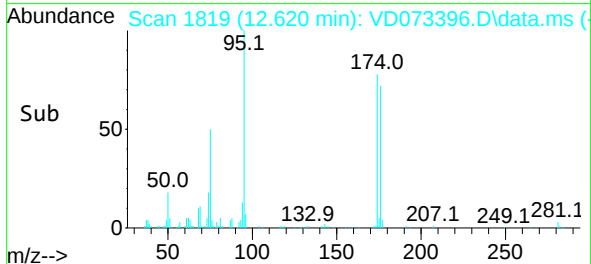
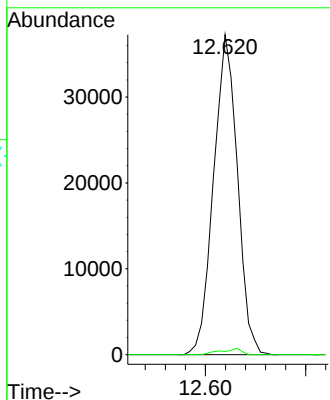
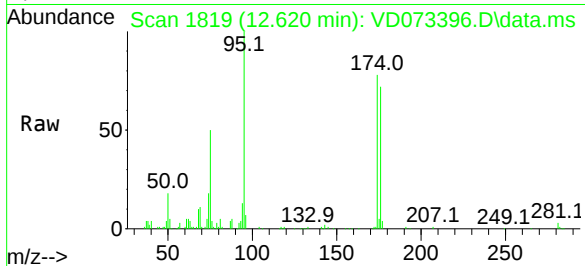




#76
1,2,3-Trichloropropane
Concen: 48.895 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

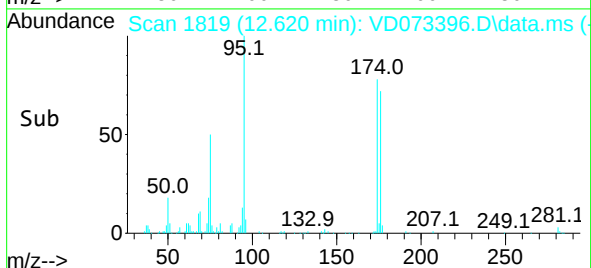
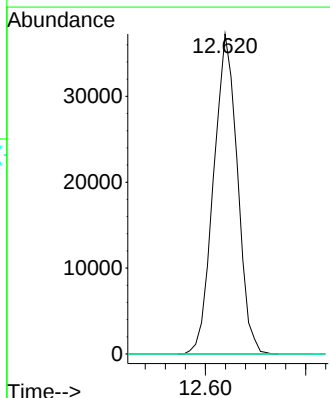
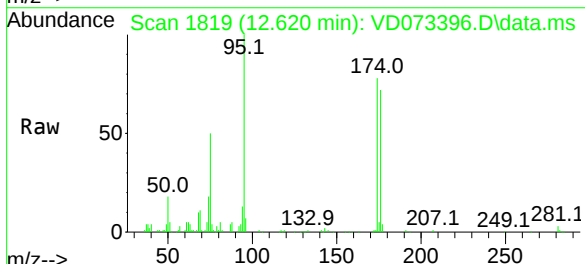
Instrument :
MSVOA_D
ClientSampleId :
RT-4206

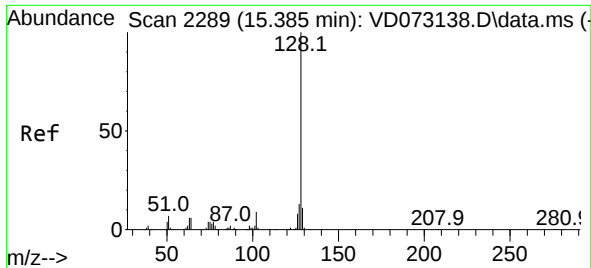
Tgt Ion: 75 Resp: 61459
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.381 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073396.D
Acq: 26 May 2022 18:58

Tgt Ion: 75 Resp: 61459
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95

Naphthalene

Concen: 4.209 ug/l

RT: 15.384 min Scan# 21

Delta R.T. -0.001 min

Lab File: VD073396.D

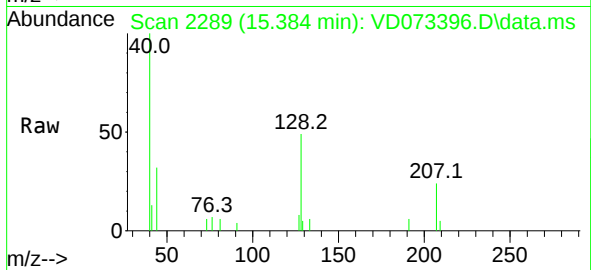
Acq: 26 May 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

RT-4206



Tgt Ion:	128	Resp:	3014
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	6.2	8.4	12.6#

