

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073399.D
 Acq On : 26 May 2022 20:25
 Operator : VA/SY
 Sample : N3072-02
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: May 27 01:34:17 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)

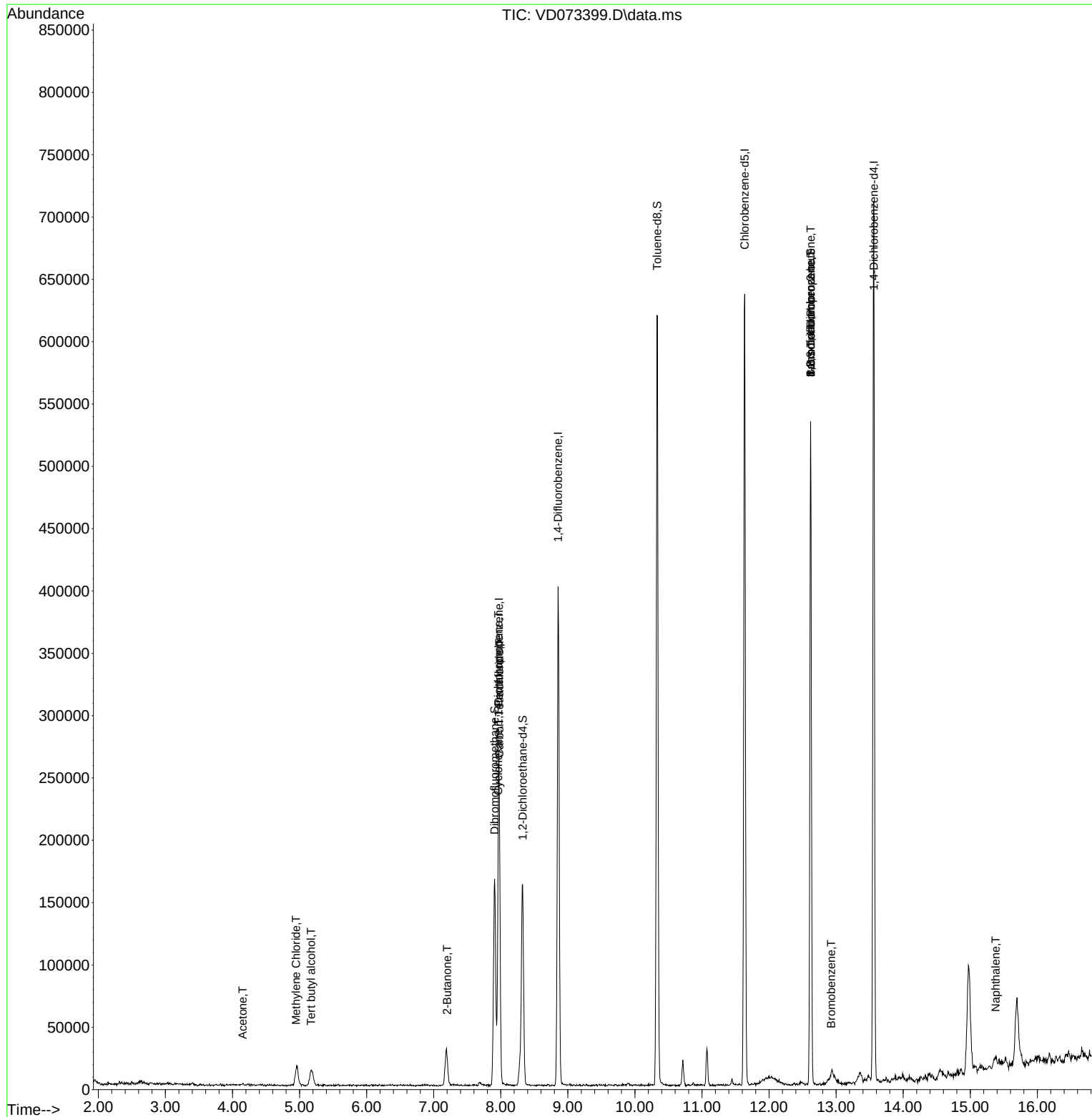
Internal Standards						
1) Pentafluorobenzene	7.973	168	192856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	336534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	370317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	192248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	127545	59.843	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.680%	
35) Dibromofluoromethane	7.908	113	121452	54.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.380%	
50) Toluene-d8	10.332	98	419476	51.243	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.480%	
62) 4-Bromofluorobenzene	12.620	95	178572	62.160	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 124.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	803	Below Cal	#	70
11) Tert butyl alcohol	5.173	59	12288	37.160	ug/l #	74
16) Acetone	4.150	43	1164	3.153	ug/l #	88
20) Methylene Chloride	4.950	84	12062	1.259	ug/l #	83
25) 2-Butanone	7.203	43	1101	2.038	ug/l #	52
31) Cyclohexane	7.961	56	4576	1.229	ug/l #	6
36) 1,1-Dichloropropene	7.967	75	15066	4.511	ug/l #	52
38) Carbon Tetrachloride	7.979	117	19183	5.666	ug/l #	16
71) Bromoform	12.620	173	1486	1.025	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	88282	46.802	ug/l #	100
77) Bromobenzene	12.926	156	5216	1.617	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	88282	112.357	ug/l #	7
95) Naphthalene	15.379	128	4525	4.210	ug/l #	92

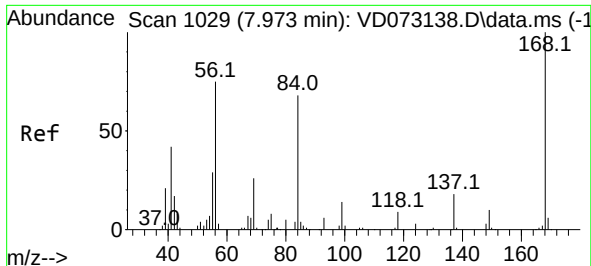
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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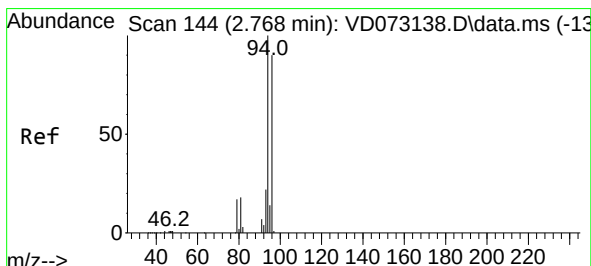
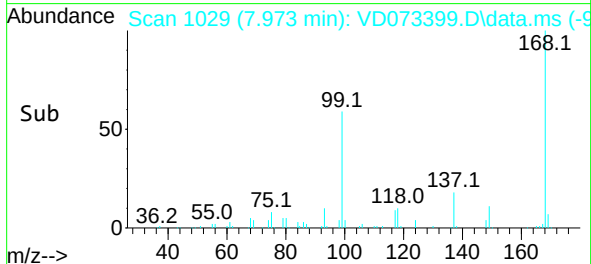
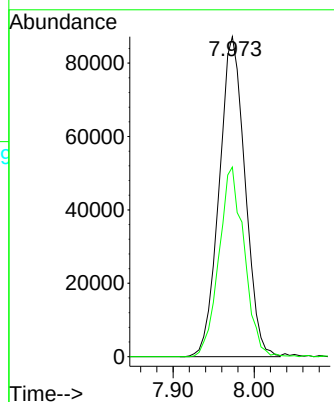
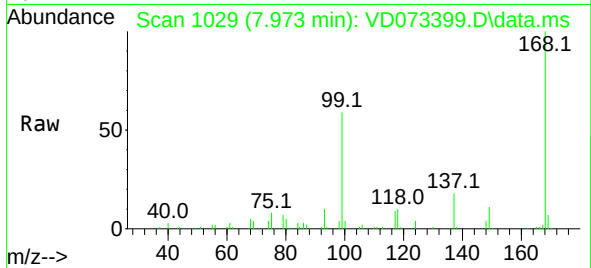




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

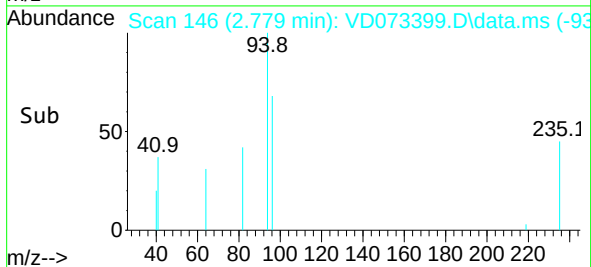
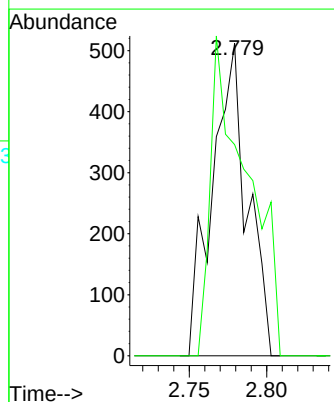
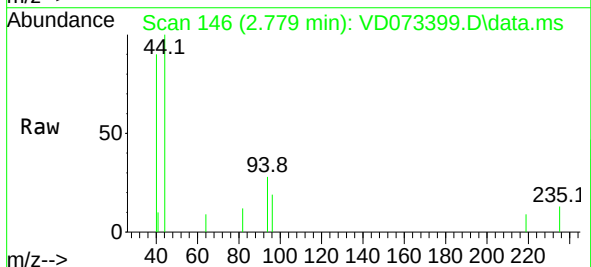
Instrument :
MSVOA_D
ClientSampleId :
VOC

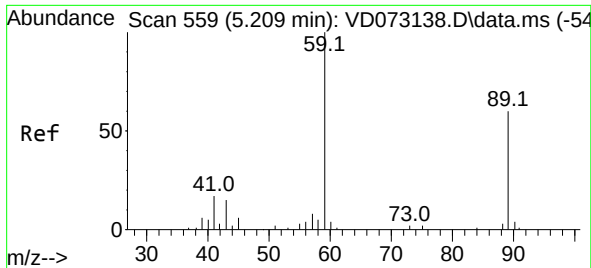
Tgt Ion:168 Resp: 192856
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

Tgt Ion: 94 Resp: 803
Ion Ratio Lower Upper
94 100
96 67.6 77.6 116.4#

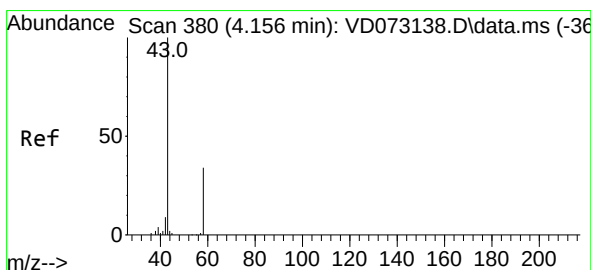
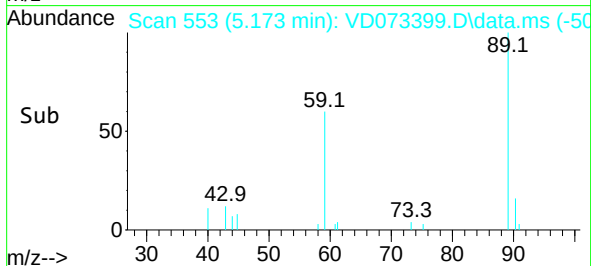
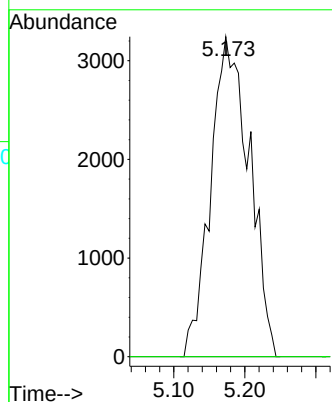
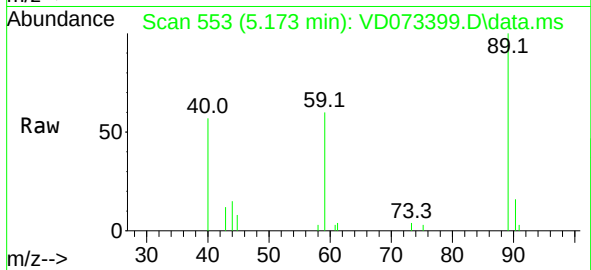




#11
Tert butyl alcohol
Concen: 37.160 ug/l
RT: 5.173 min Scan# 511
Delta R.T. -0.036 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

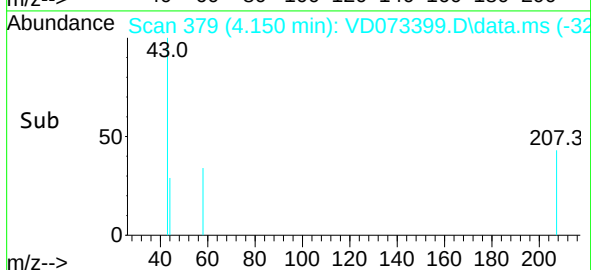
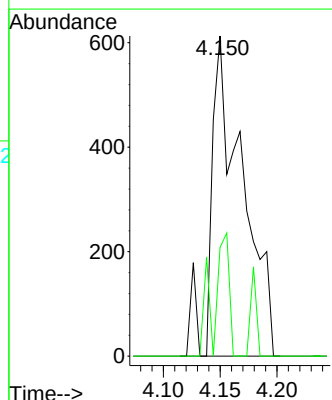
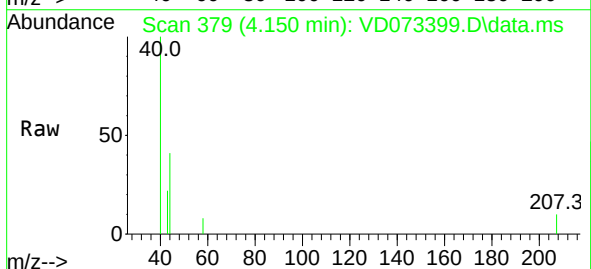
Instrument :
MSVOA_D
ClientSampleId :
VOC

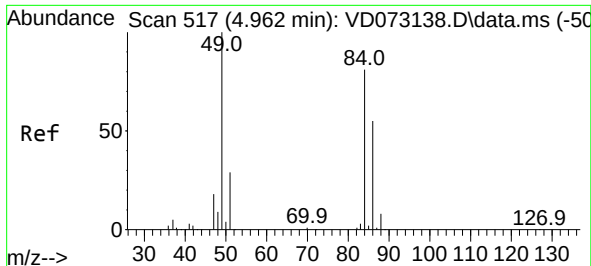
Tgt Ion: 59 Resp: 12288
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 3.153 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
58 33.9 22.1 33.1#

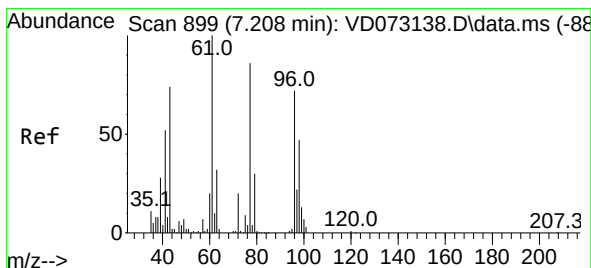
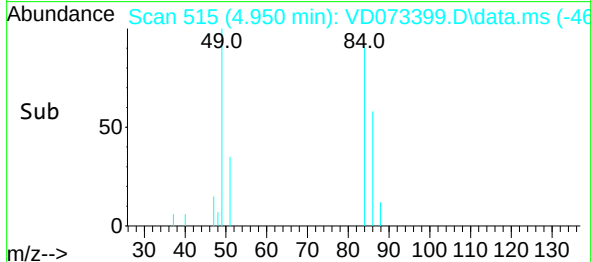
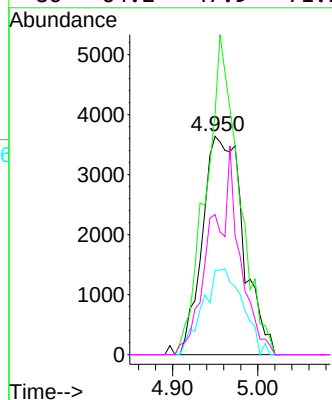
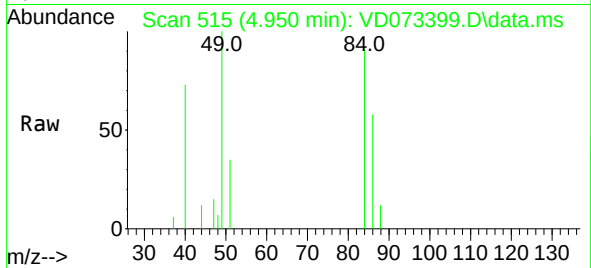




#20
Methylene Chloride
Concen: 1.259 ug/l
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

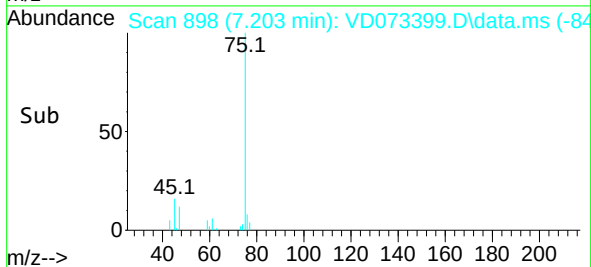
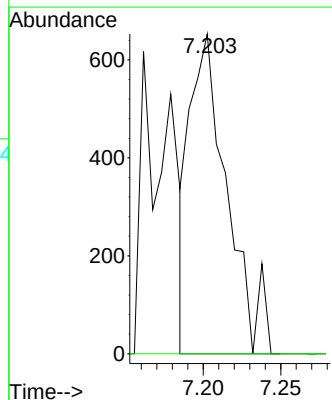
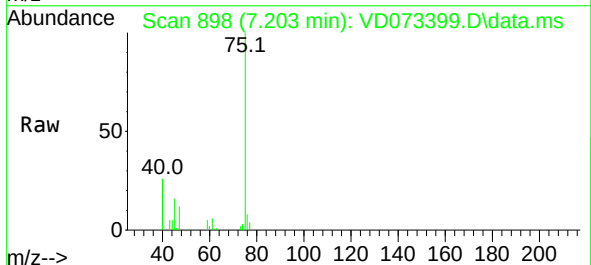
Instrument :
MSVOA_D
ClientSampleId :
VOC

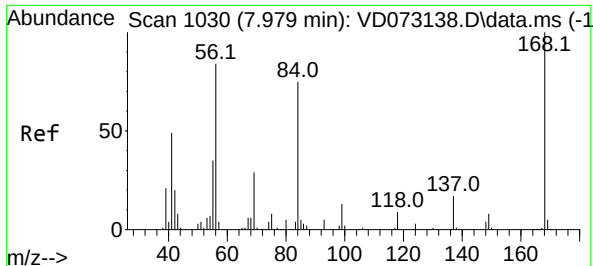
Tgt Ion: 84	Resp: 12062		
Ion	Ratio	Lower	Upper
84	100		
49	110.4	112.8	169.2#
51	38.7	32.6	48.8
86	64.2	47.9	71.9



#25
2-Butanone
Concen: 2.038 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.005 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

Tgt Ion: 43	Resp: 1101
Ion Ratio	Lower Upper
43 100	
72 0.0	18.6 27.8#





#31

Cyclohexane

Concen: 1.229 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.018 min

Lab File: VD073399.D

Acq: 26 May 2022 20:25

Instrument :

MSVOA_D

ClientSampleId :

VOC

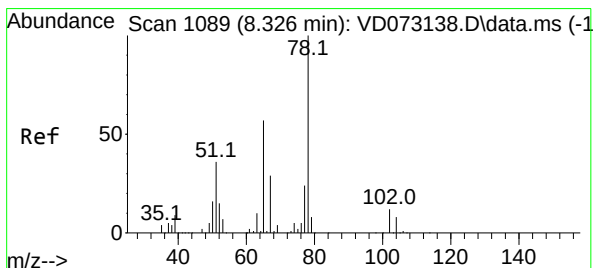
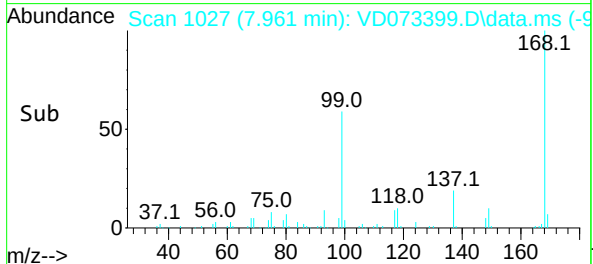
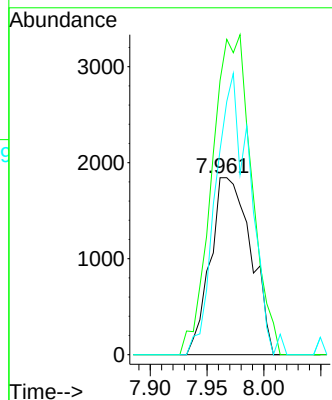
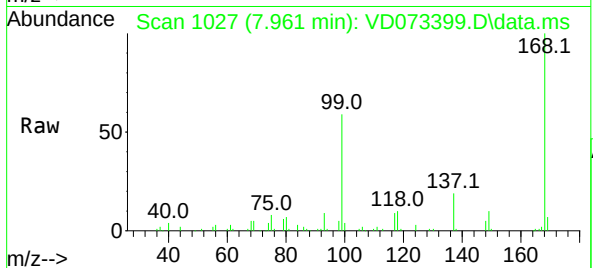
Tgt Ion: 56 Resp: 4576

Ion Ratio Lower Upper

56 100

69 154.8 25.4 38.2#

84 115.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 59.843 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073399.D

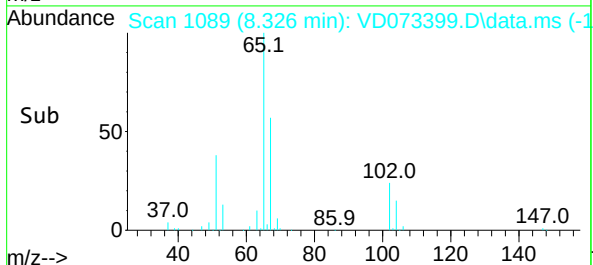
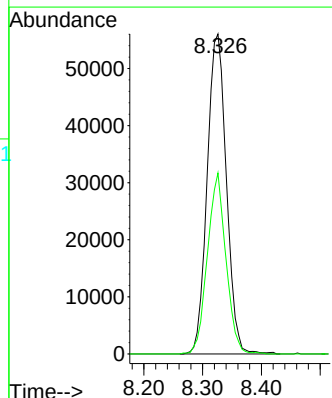
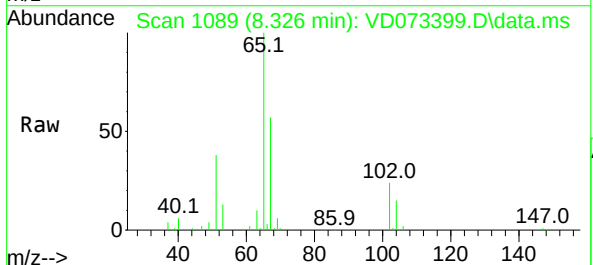
Acq: 26 May 2022 20:25

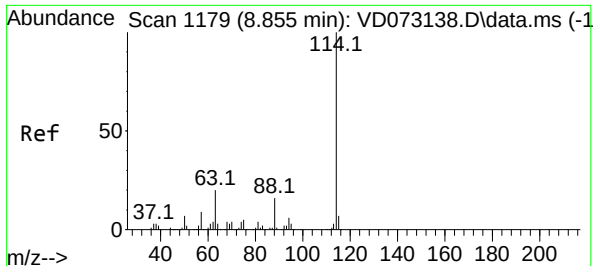
Tgt Ion: 65 Resp: 127545

Ion Ratio Lower Upper

65 100

67 54.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073399.D

Acq: 26 May 2022 20:25

Instrument :

MSVOA_D

ClientSampleId :

VOC

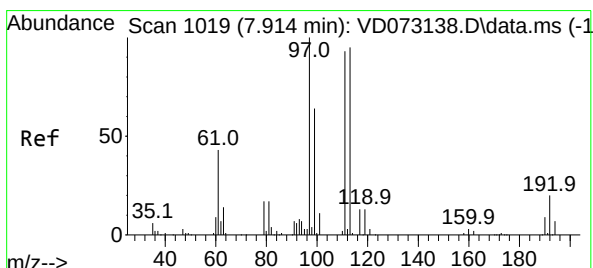
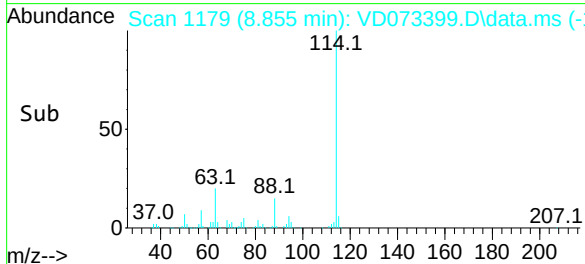
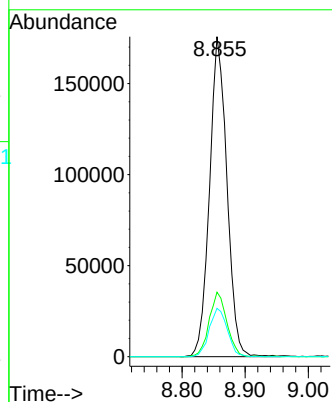
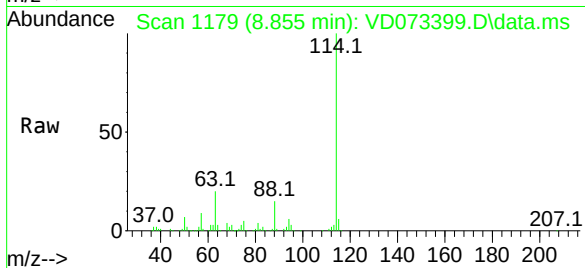
Tgt Ion:114 Resp: 336534

Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 54.691 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073399.D

Acq: 26 May 2022 20:25

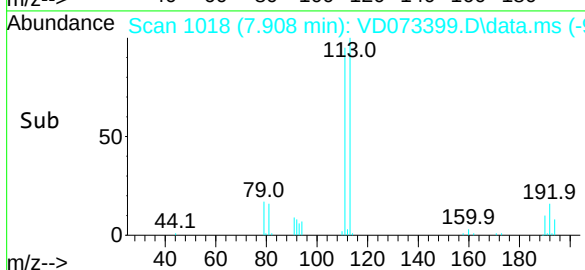
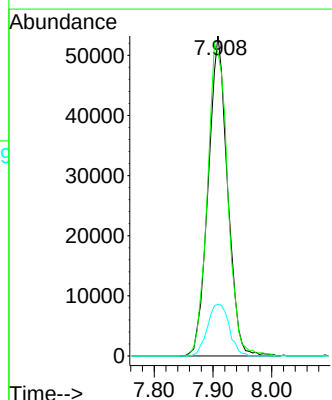
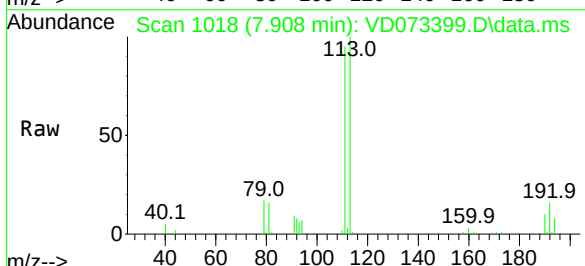
Tgt Ion:113 Resp: 121452

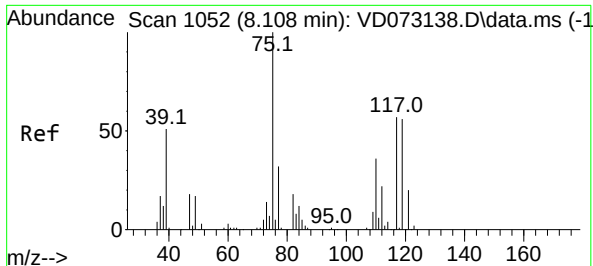
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.511 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073399.D

Acq: 26 May 2022 20:25

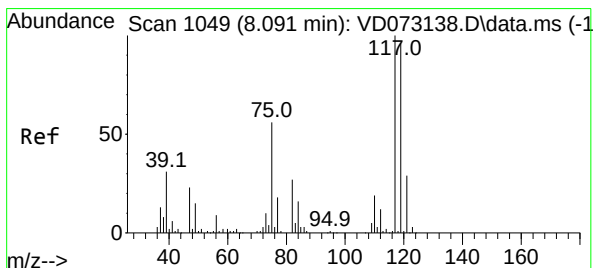
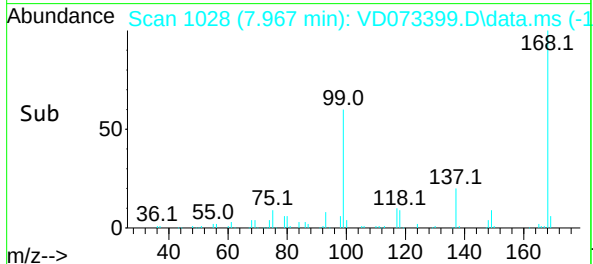
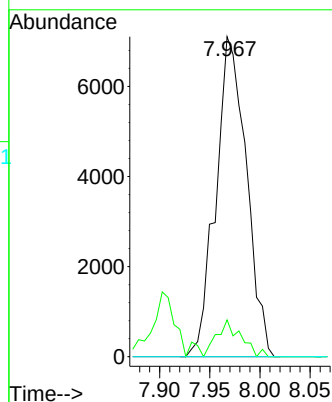
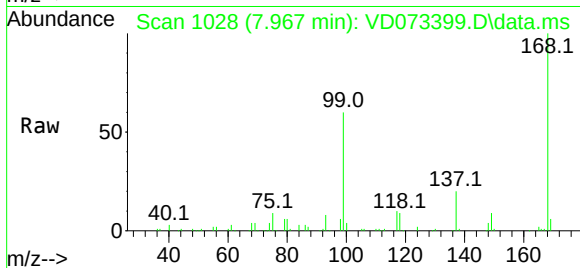
Instrument :

MSVOA_D

ClientSampleId :

VOC

Tgt Ion:	75	Resp:	15066
Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.666 ug/l

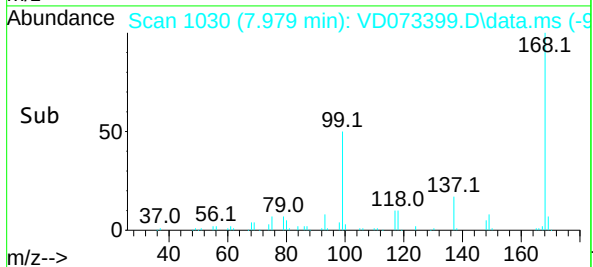
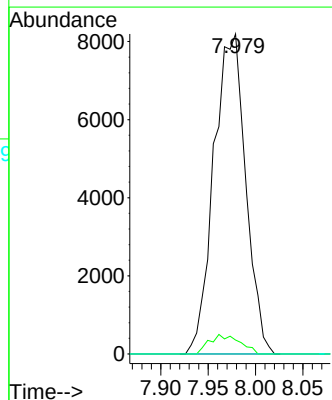
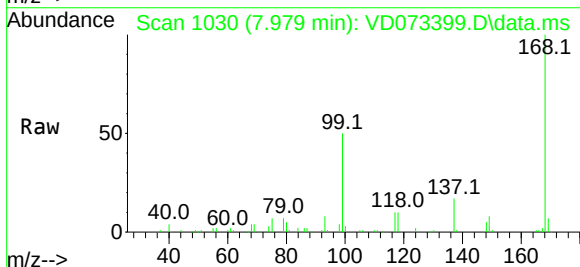
RT: 7.979 min Scan# 1030

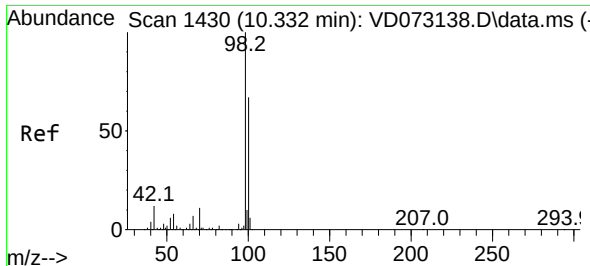
Delta R.T. -0.112 min

Lab File: VD073399.D

Acq: 26 May 2022 20:25

Tgt Ion:	117	Resp:	19183
Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.8	113.6#
121	0.0	24.5	36.7#

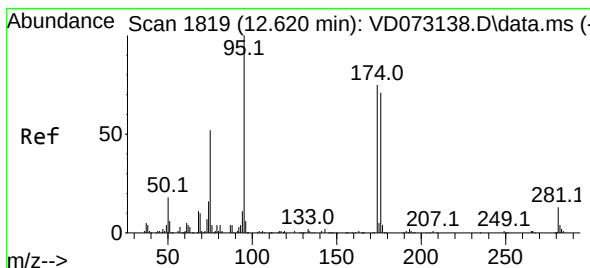
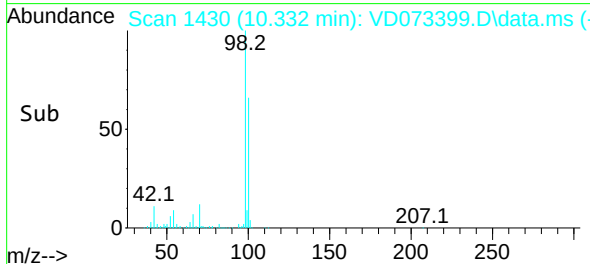
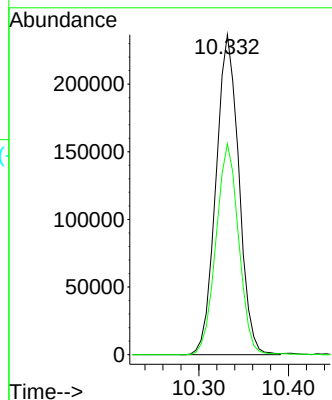
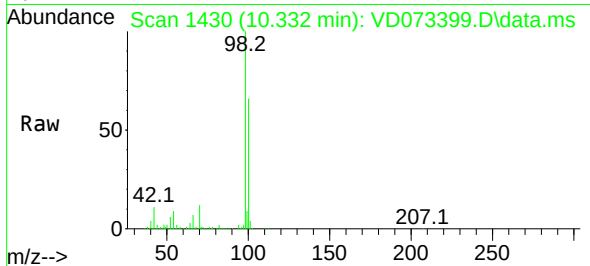




#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

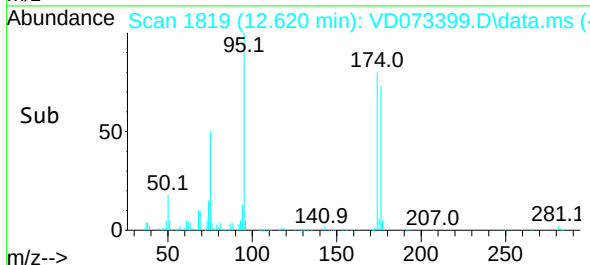
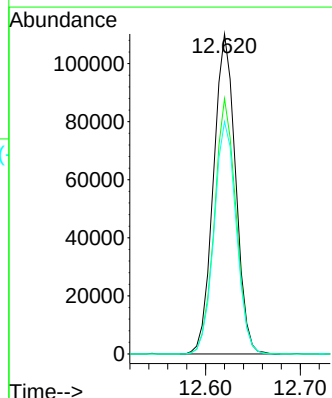
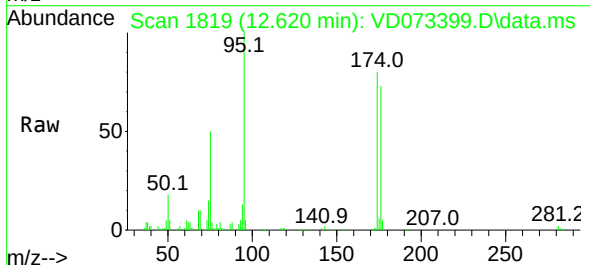
Instrument :
MSVOA_D
ClientSampleId :
VOC

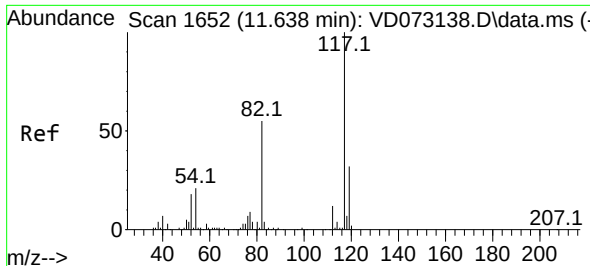
Tgt Ion: 98 Resp: 419476
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 62.160 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

Tgt Ion: 95 Resp: 178572
Ion Ratio Lower Upper
95 100
174 77.9 0.0 152.8
176 72.8 0.0 145.4

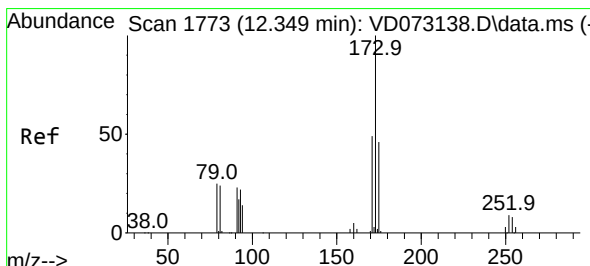
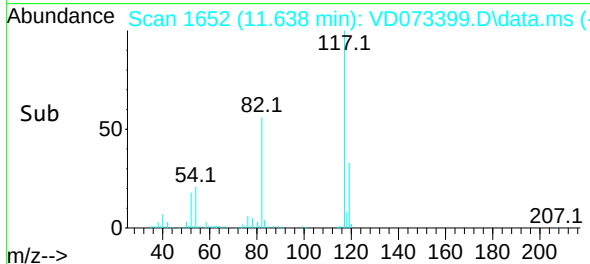
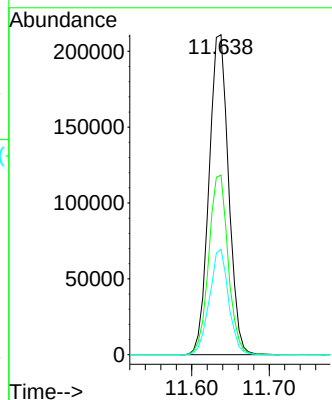
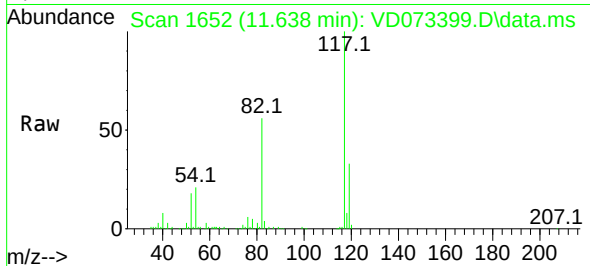




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

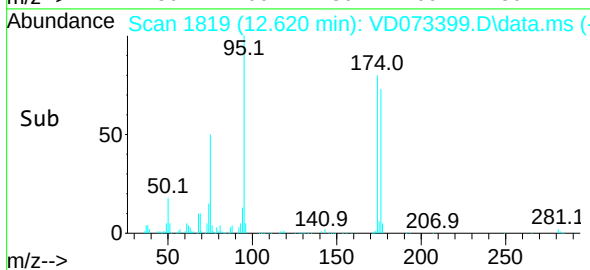
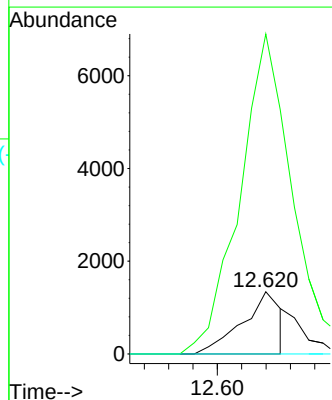
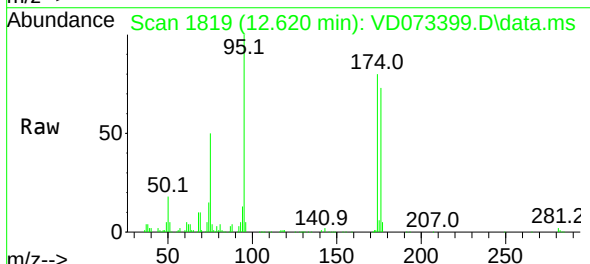
Instrument :
MSVOA_D
ClientSampleId :
VOC

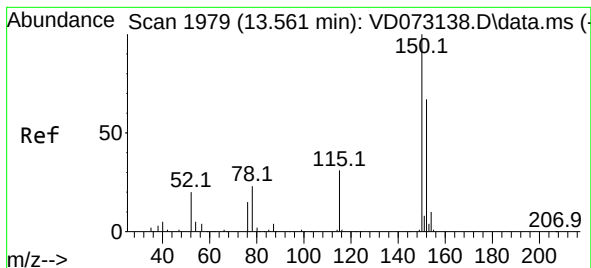
Tgt Ion:117 Resp: 370317
Ion Ratio Lower Upper
117 100
82 56.1 45.3 67.9
119 32.9 26.6 40.0



#71
Bromoform
Concen: 1.025 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

Tgt Ion:173 Resp: 1486
Ion Ratio Lower Upper
173 100
175 548.7 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: VD073399.D

Acq: 26 May 2022 20:25

Instrument :

MSVOA_D

ClientSampleId :

VOC

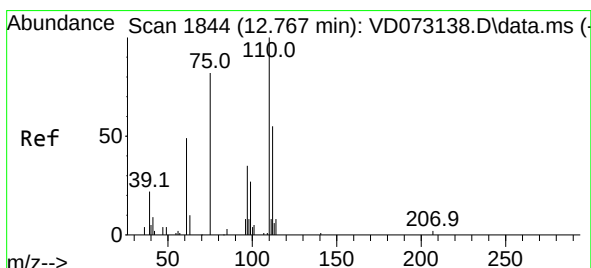
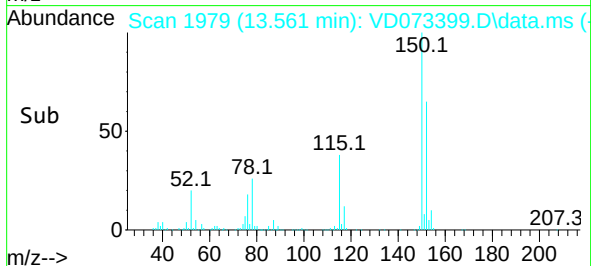
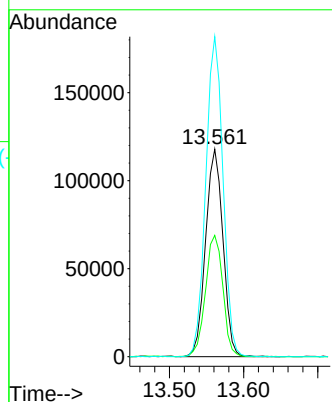
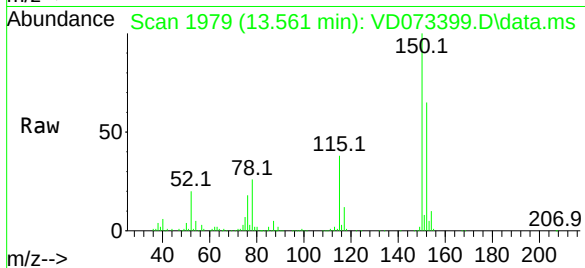
Tgt Ion:152 Resp: 192248

Ion Ratio Lower Upper

152 100

115 58.6 31.3 93.8

150 152.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 46.802 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073399.D

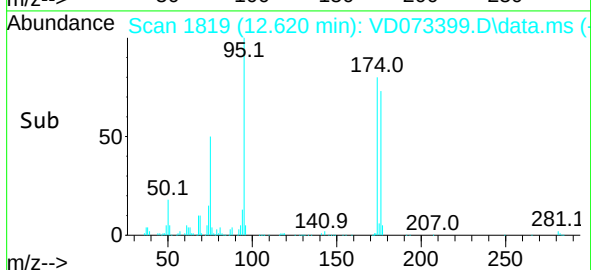
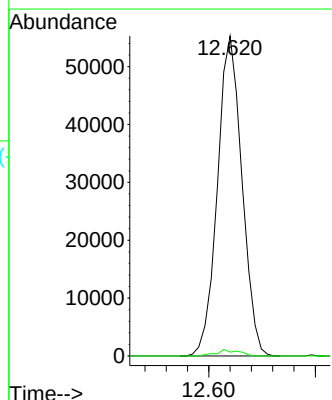
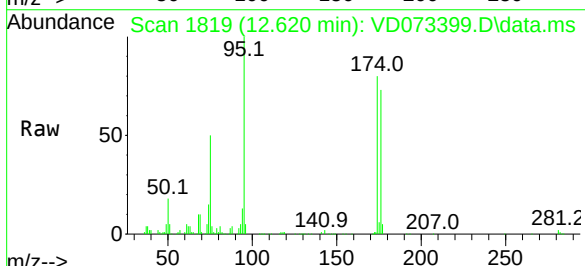
Acq: 26 May 2022 20:25

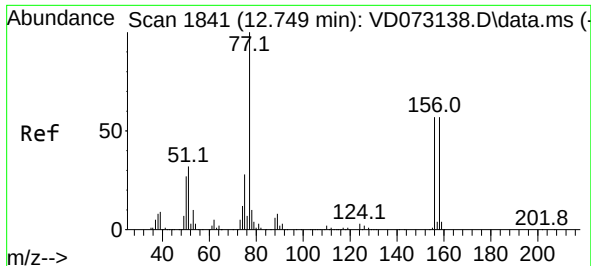
Tgt Ion: 75 Resp: 88282

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

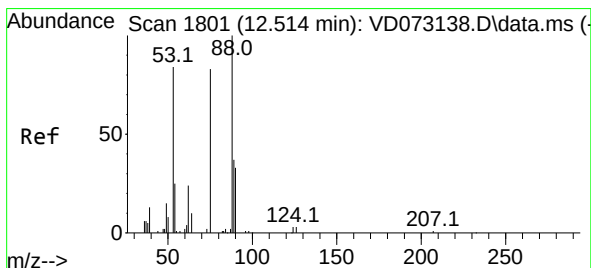
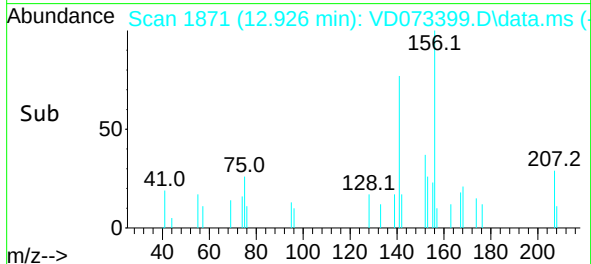
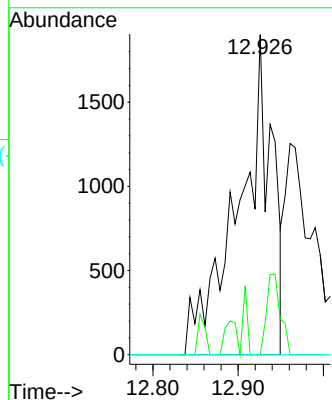
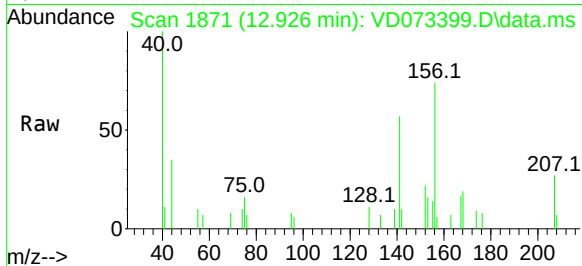




#77
Bromobenzene
Concen: 1.617 ug/l
RT: 12.926 min Scan# 1819
Delta R.T. 0.177 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

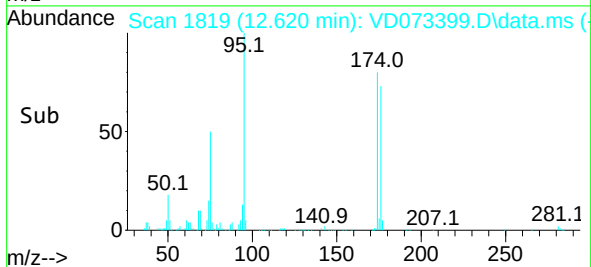
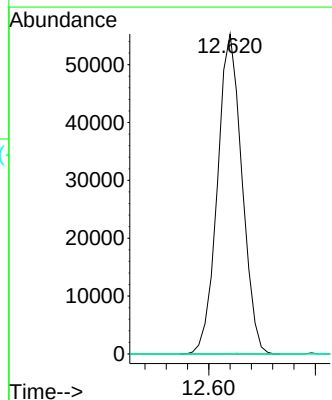
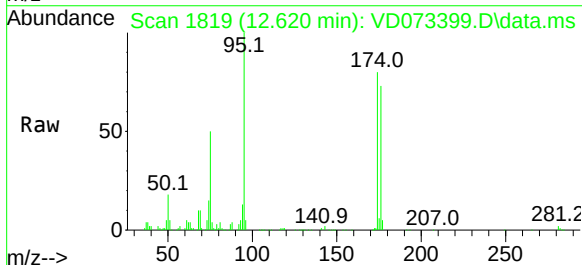
Instrument :
MSVOA_D
ClientSampleId :
VOC

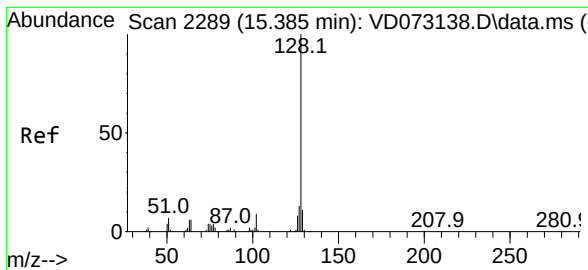
Tgt Ion:156 Resp: 5216
Ion Ratio Lower Upper
156 100
77 10.4 102.8 308.3#
158 0.0 48.7 146.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.357 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

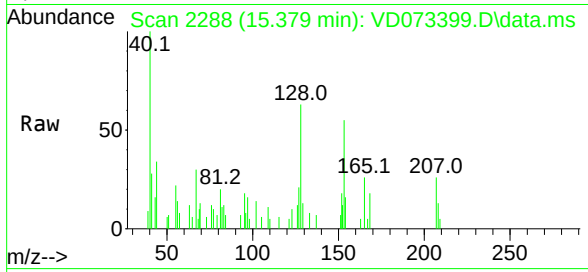
Tgt Ion: 75 Resp: 88282
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 4.210 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073399.D
Acq: 26 May 2022 20:25

Instrument :
MSVOA_D
ClientSampleId :
VOC



Tgt Ion:	128	Resp:	4525
Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.3	15.5#
129	13.5	8.4	12.6#

