

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073371.D
 Acq On : 25 May 2022 20:15
 Operator : VA/SY
 Sample : N2886-15
 Misc : 3.22G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS006-0006-01

Quant Time: May 26 02:26:52 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)

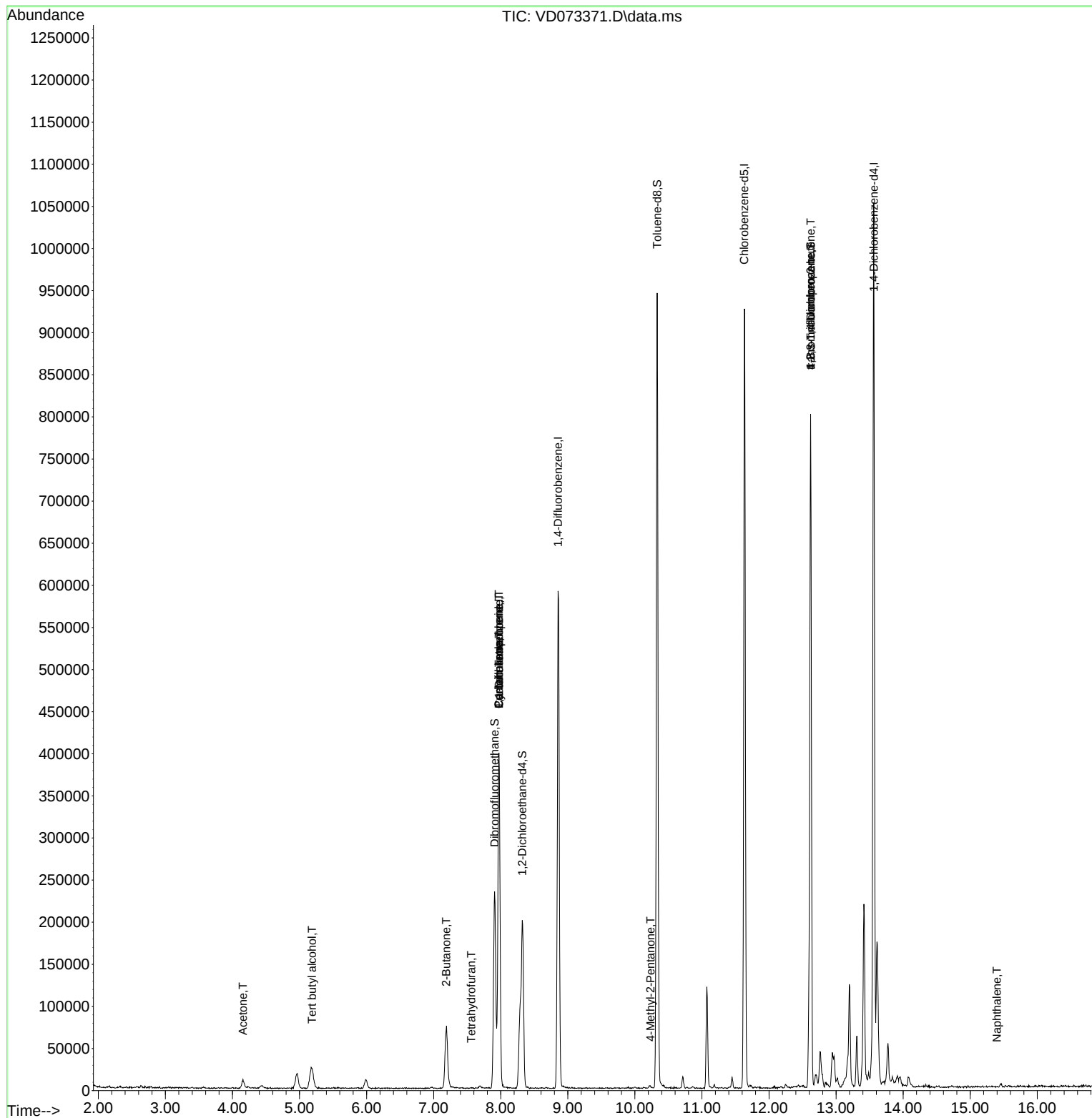
Internal Standards						
1) Pentafluorobenzene	7.973	168	293071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	508369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	544215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	277355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	151015	46.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.260%
35) Dibromofluoromethane	7.909	113	170204	50.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.480%
50) Toluene-d8	10.332	98	632351	51.137	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.280%
62) 4-Bromofluorobenzene	12.620	95	250467	57.716	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	115.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	826	Below Cal		81
11) Tert butyl alcohol	5.185	59	23224	46.216	ug/l #	75
16) Acetone	4.156	43	16497	29.406	ug/l #	79
20) Methylene Chloride	4.968	84	13373	Below Cal	#	86
25) 2-Butanone	7.185	43	1906	2.322	ug/l #	88
29) Tetrahydrofuran	7.561	42	608	1.146	ug/l #	38
31) Cyclohexane	7.973	56	7229	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25958	5.145	ug/l #	51
38) Carbon Tetrachloride	7.973	117	29336	5.736	ug/l #	17
51) 4-Methyl-2-Pentanone	10.232	43	2547	1.331	ug/l #	81
76) 1,2,3-Trichloropropane	12.620	75	125933	46.276	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	125933	111.095	ug/l #	7
95) Naphthalene	15.396	128	68	3.548	ug/l #	70

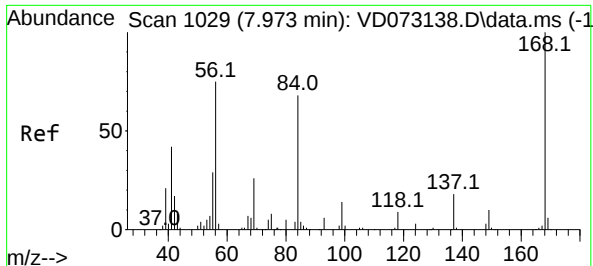
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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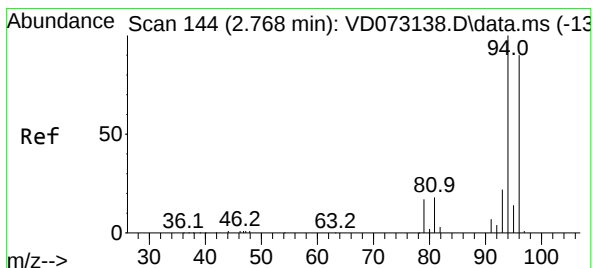
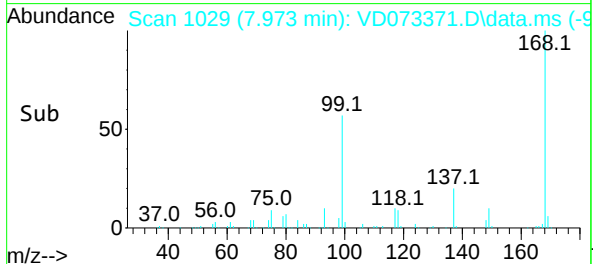
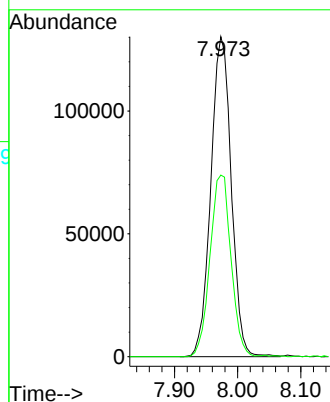
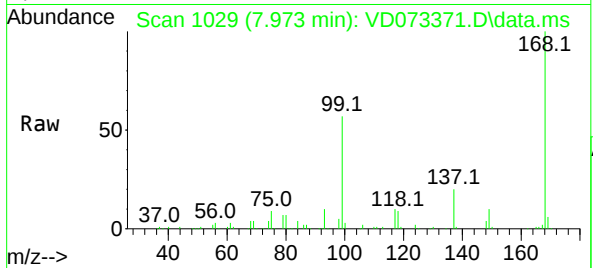




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

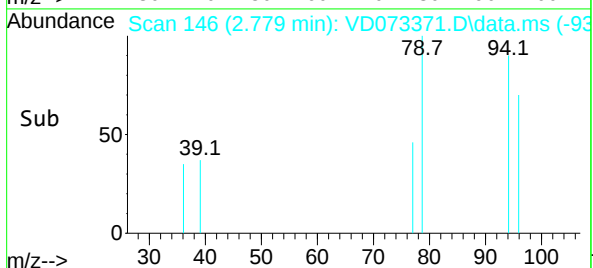
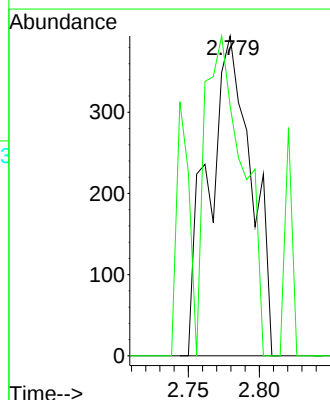
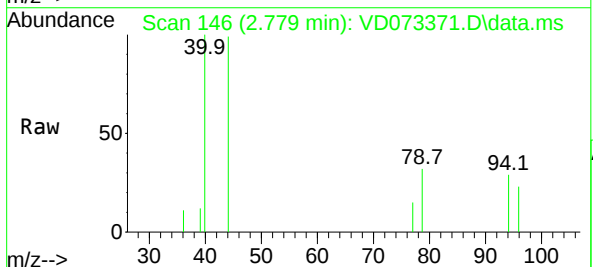
Instrument :
MSVOA_D
ClientSampleId :
P021-SS006-0006-01

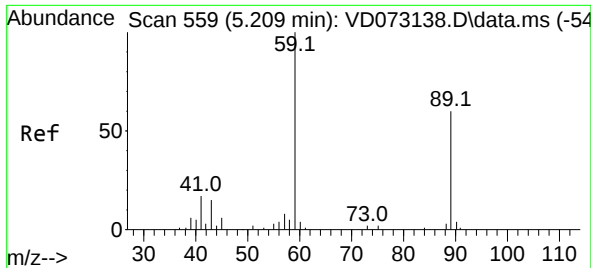
Tgt Ion:168 Resp: 293071
Ion Ratio Lower Upper
168 100
99 56.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

Tgt Ion: 94 Resp: 826
Ion Ratio Lower Upper
94 100
96 78.2 77.6 116.4





#11

Tert butyl alcohol

Concen: 46.216 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.024 min

Lab File: VD073371.D

Acq: 25 May 2022 20:15

Instrument :

MSVOA_D

ClientSampleId :

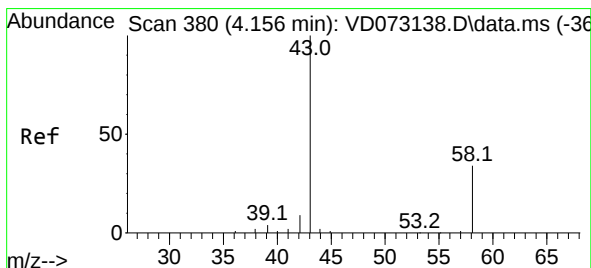
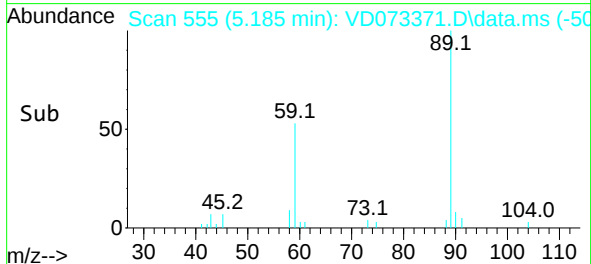
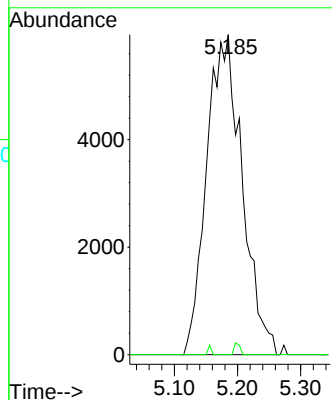
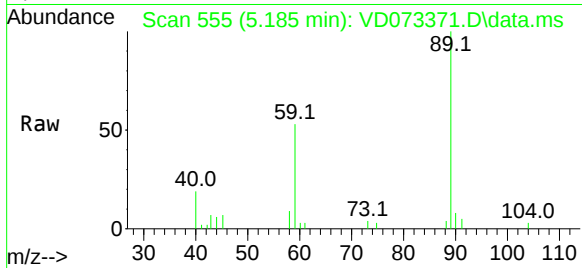
P021-SS006-0006-01

Tgt Ion: 59 Resp: 23224

Ion Ratio Lower Upper

59 100

57 0.6 7.8 11.6#



#16

Acetone

Concen: 29.406 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD073371.D

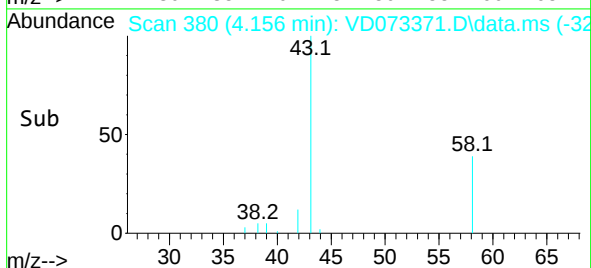
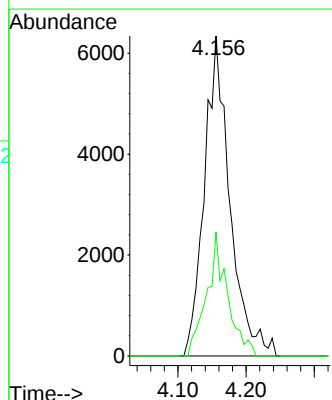
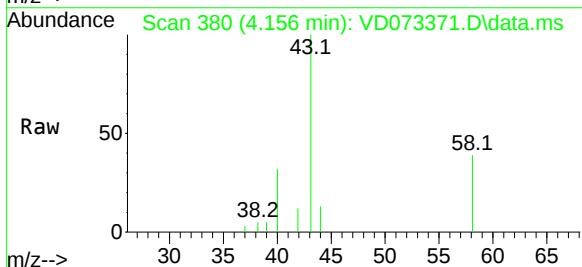
Acq: 25 May 2022 20:15

Tgt Ion: 43 Resp: 16497

Ion Ratio Lower Upper

43 100

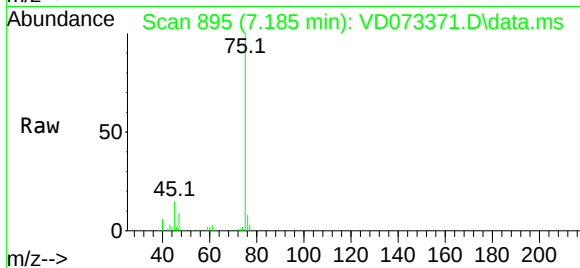
58 38.7 22.1 33.1#



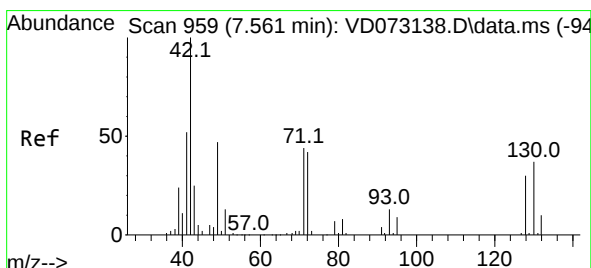
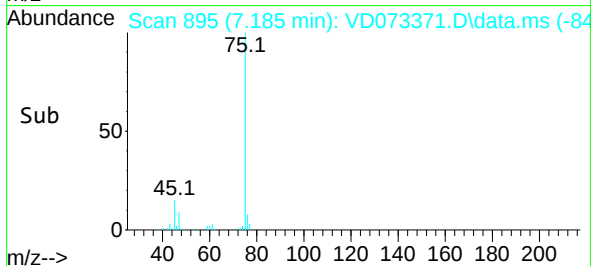
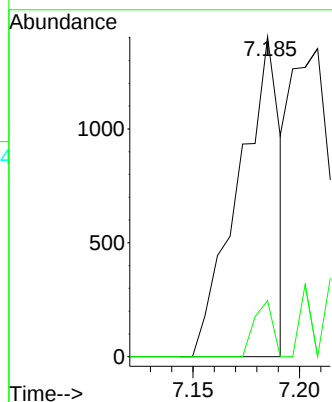


#25
2-Butanone
Concen: 2.322 ug/l
RT: 7.185 min Scan# 899
Delta R.T. -0.023 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

Instrument :
MSVOA_D
ClientSampleId :
P021-SS006-0006-01

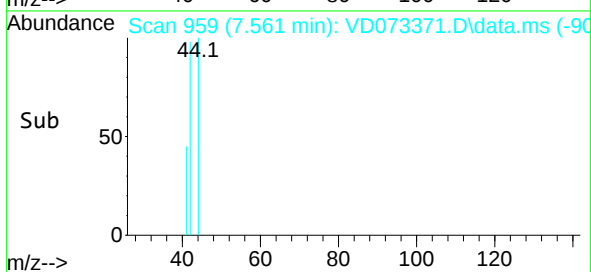
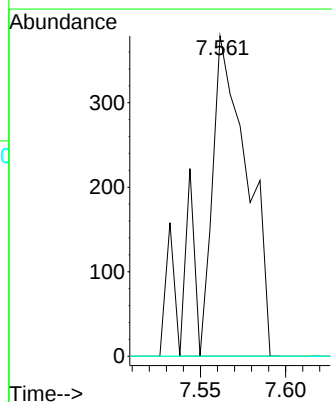
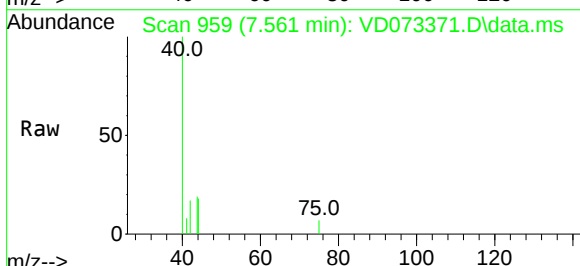


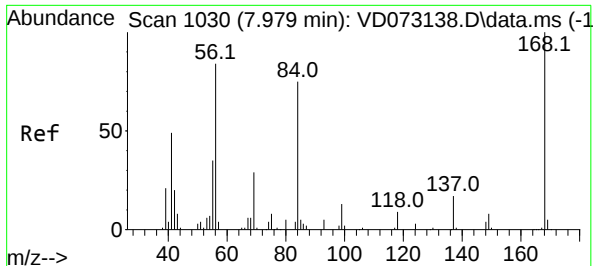
Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
72 17.6 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.146 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

Tgt Ion: 42 Resp: 608
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.277 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073371.D

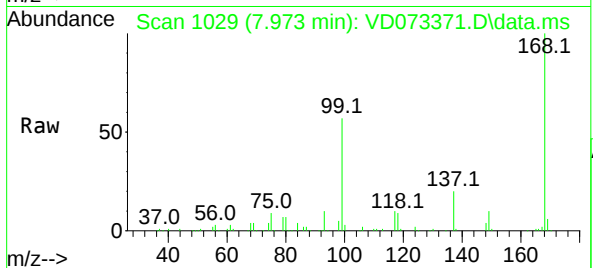
Acq: 25 May 2022 20:15

Instrument :

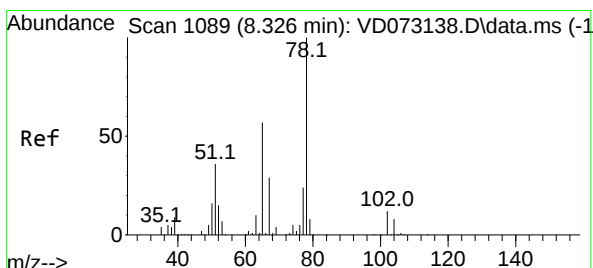
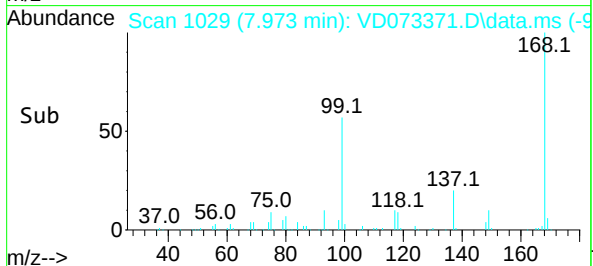
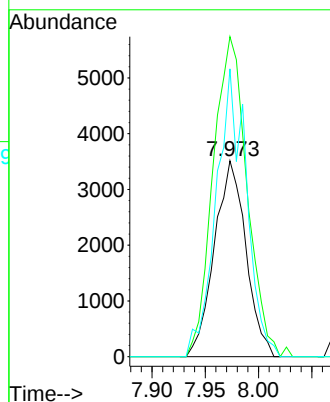
MSVOA_D

ClientSampleId :

P021-SS006-0006-01



Tgt Ion:	56	Resp:	7229
Ion Ratio	100	Lower	Upper
56	100		
69	163.4	25.4	38.2#
84	147.0	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 46.626 ug/l

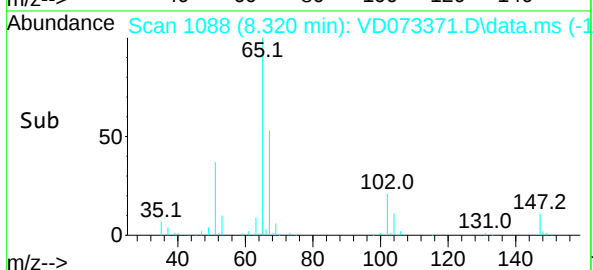
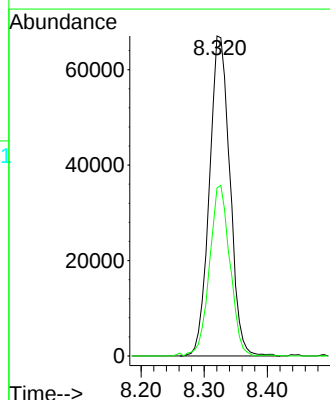
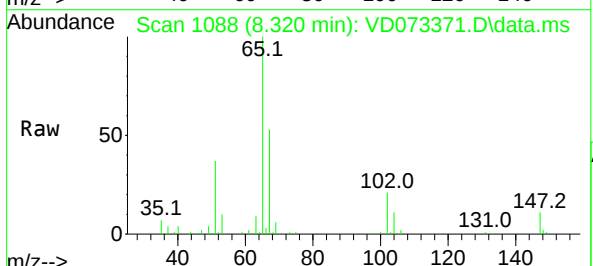
RT: 8.320 min Scan# 1088

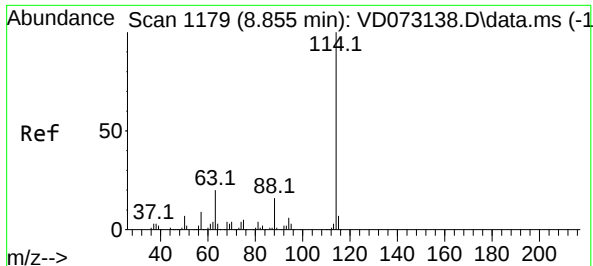
Delta R.T. -0.006 min

Lab File: VD073371.D

Acq: 25 May 2022 20:15

Tgt Ion:	65	Resp:	151015
Ion Ratio	100	Lower	Upper
65	100		
67	52.9	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073371.D

Acq: 25 May 2022 20:15

Instrument :

MSVOA_D

ClientSampleId :

P021-SS006-0006-01

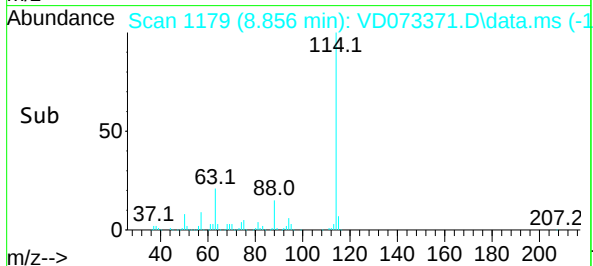
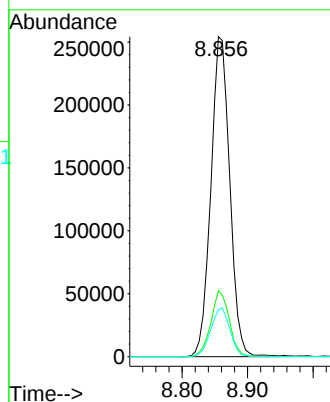
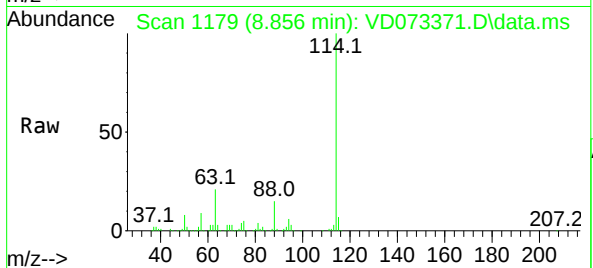
Tgt Ion:114 Resp: 508369

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 14.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.738 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073371.D

Acq: 25 May 2022 20:15

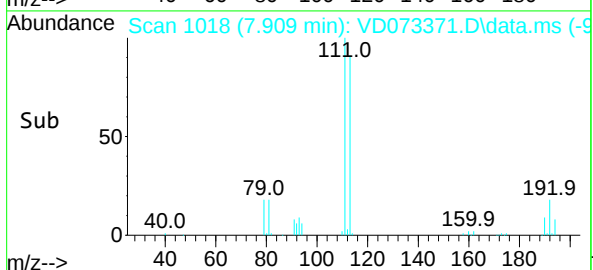
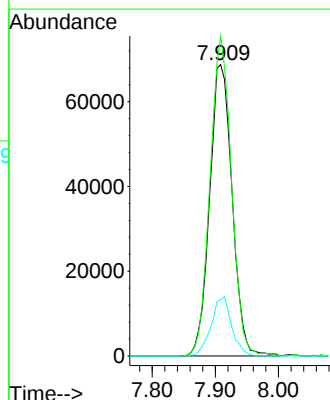
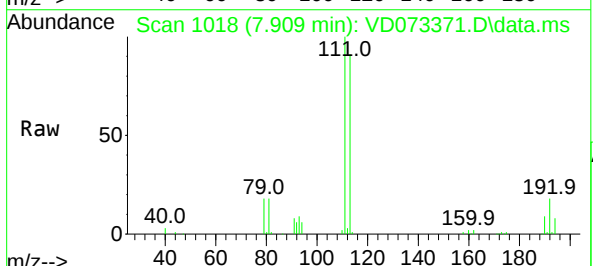
Tgt Ion:113 Resp: 170204

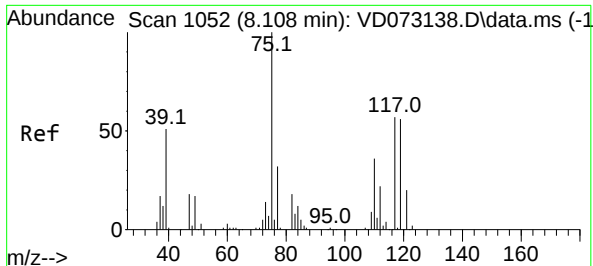
Ion Ratio Lower Upper

113 100

111 104.7 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.145 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073371.D

Acq: 25 May 2022 20:15

Instrument :

MSVOA_D

ClientSampleId :

P021-SS006-0006-01

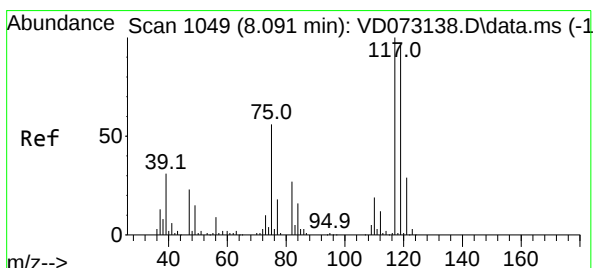
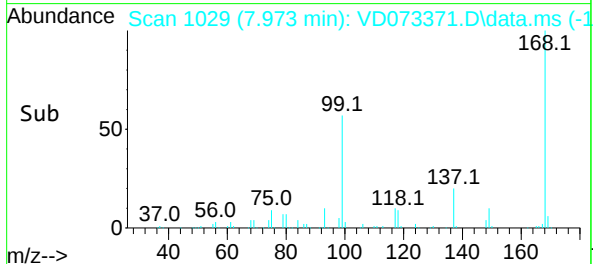
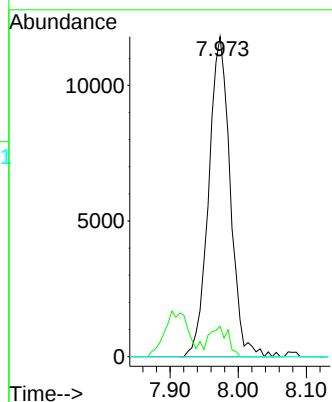
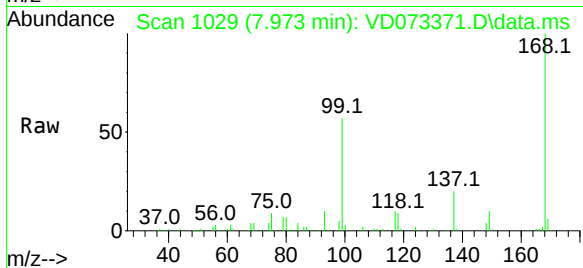
Tgt Ion: 75 Resp: 25958

Ion Ratio Lower Upper

75 100

110 8.0 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.736 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073371.D

Acq: 25 May 2022 20:15

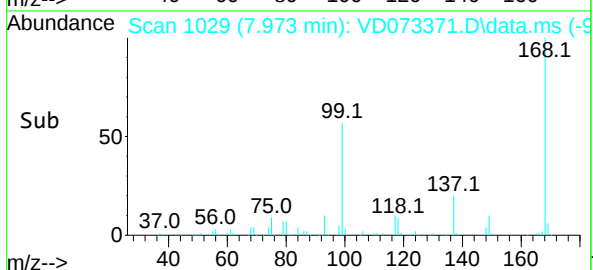
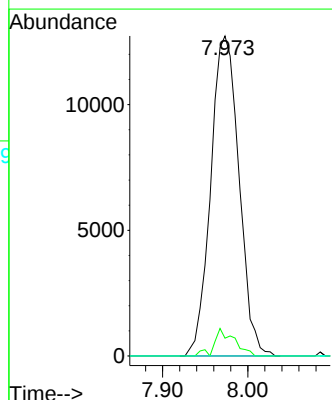
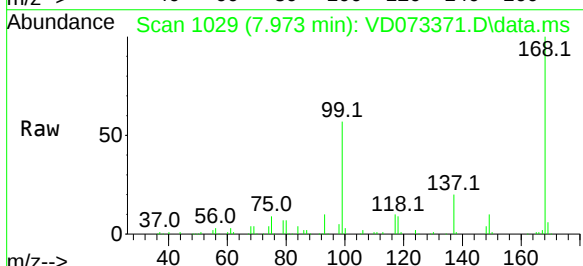
Tgt Ion: 117 Resp: 29336

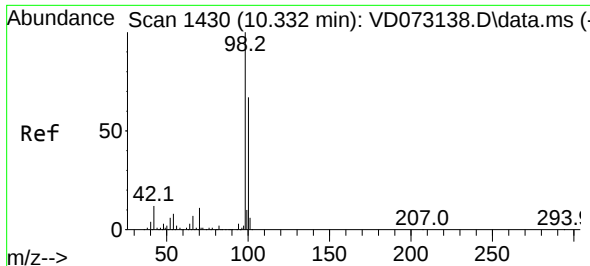
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 24.5 36.7#

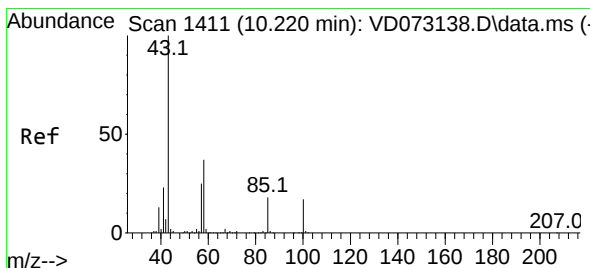
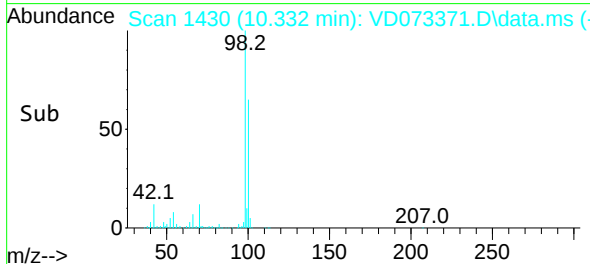
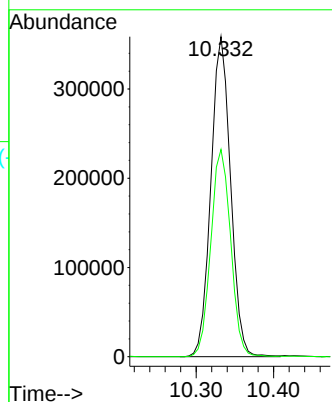
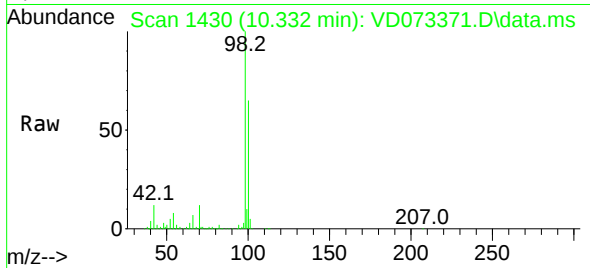




#50
Toluene-d8
Concen: 51.137 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

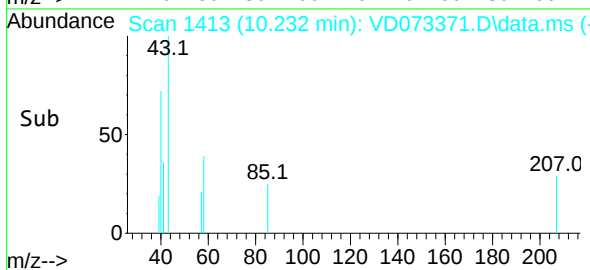
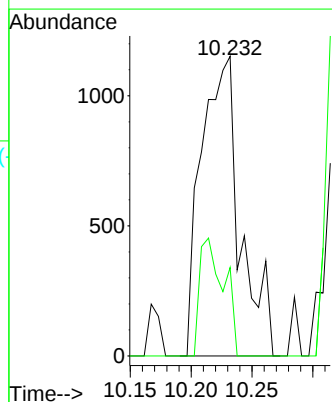
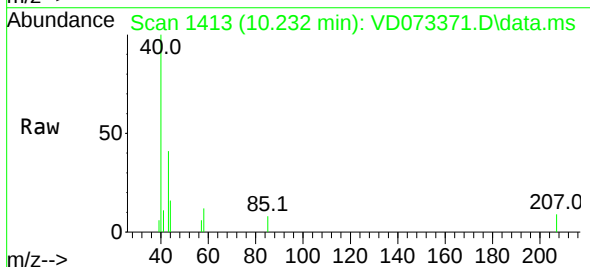
Instrument :
MSVOA_D
ClientSampleId :
P021-SS006-0006-01

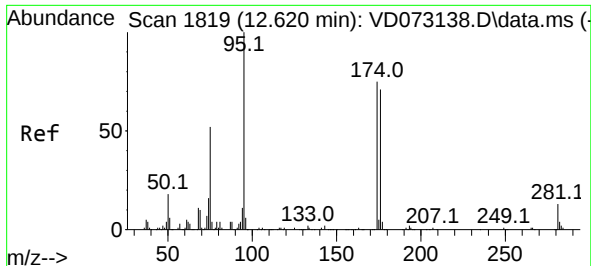
Tgt Ion: 98 Resp: 632351
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.331 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.012 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

Tgt Ion: 43 Resp: 2547
Ion Ratio Lower Upper
43 100
58 24.6 28.6 43.0#

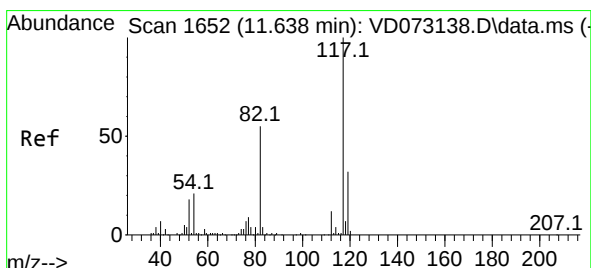
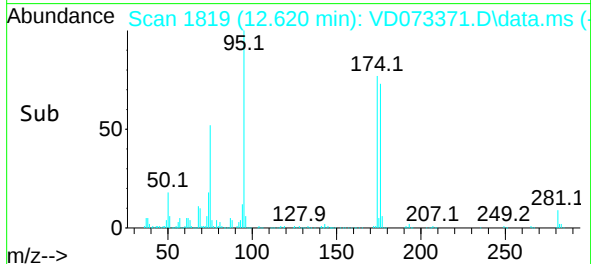
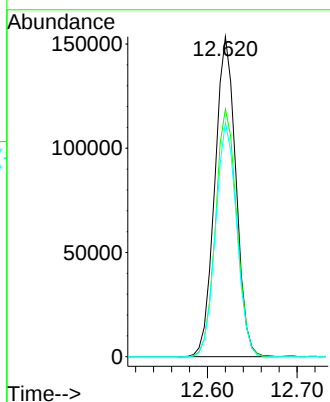
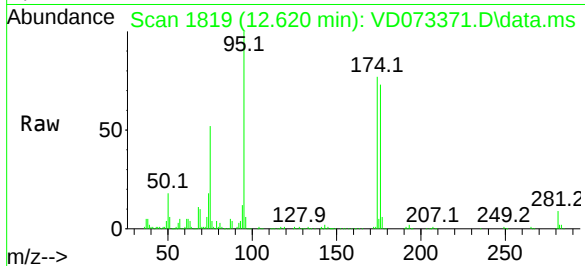




#62
4-Bromofluorobenzene
Concen: 57.716 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

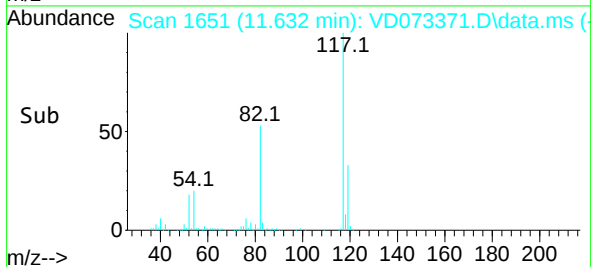
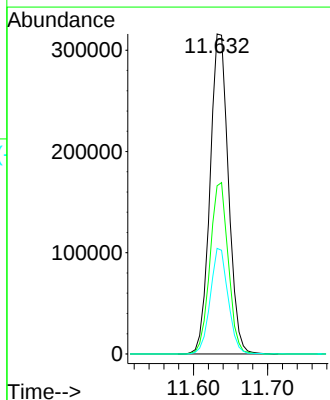
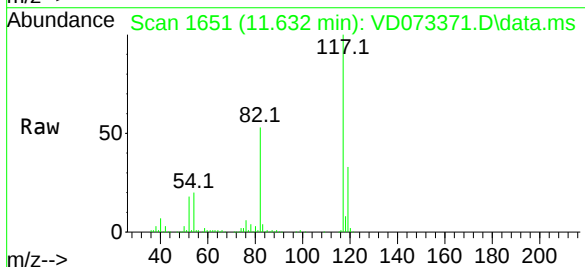
Instrument :
MSVOA_D
ClientSampleId :
P021-SS006-0006-01

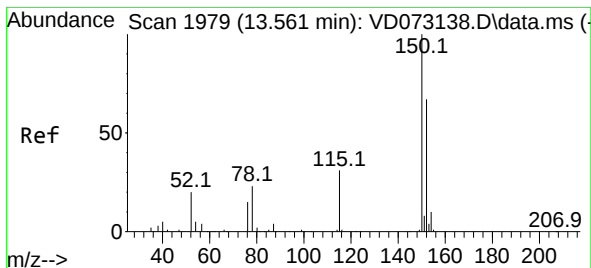
Tgt Ion: 95 Resp: 250467
Ion Ratio Lower Upper
95 100
174 77.9 0.0 152.8
176 73.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

Tgt Ion: 117 Resp: 544215
Ion Ratio Lower Upper
117 100
82 52.6 45.3 67.9
119 33.0 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: VD073371.D

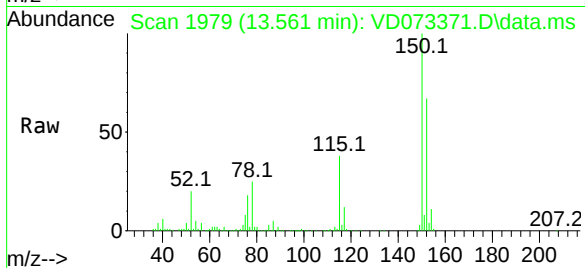
Acq: 25 May 2022 20:15

Instrument :

MSVOA_D

ClientSampleId :

P021-SS006-0006-01



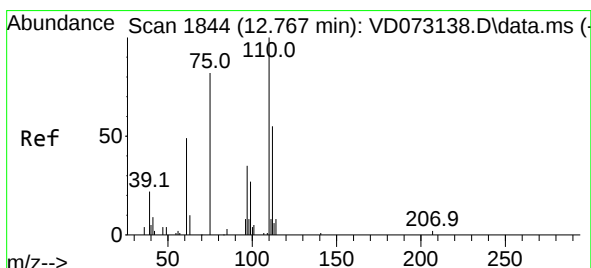
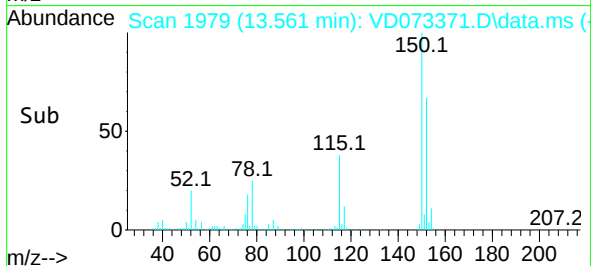
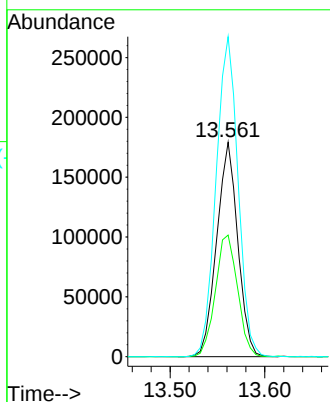
Tgt Ion:152 Resp: 277355

Ion Ratio Lower Upper

152 100

115 59.8 31.3 93.8

150 155.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 46.276 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073371.D

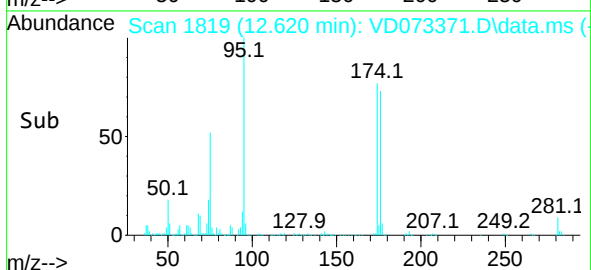
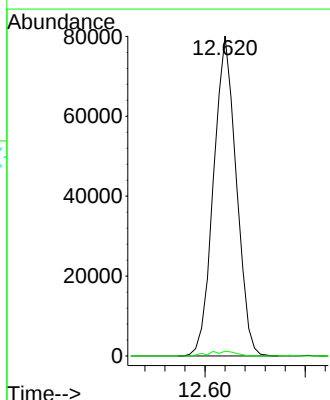
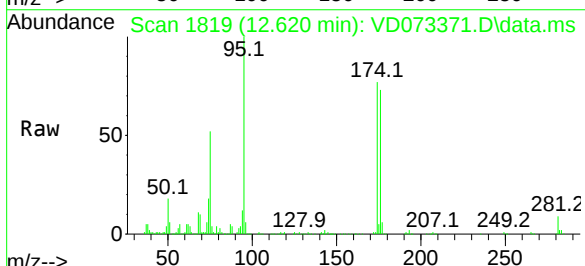
Acq: 25 May 2022 20:15

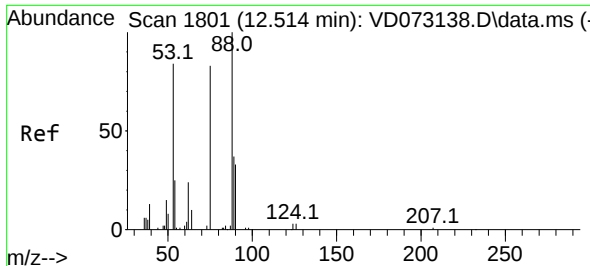
Tgt Ion: 75 Resp: 125933

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

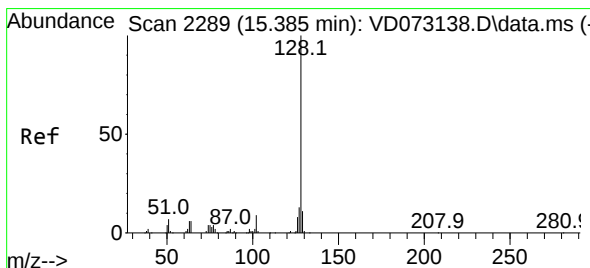
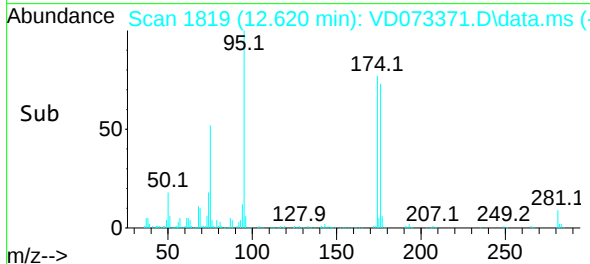
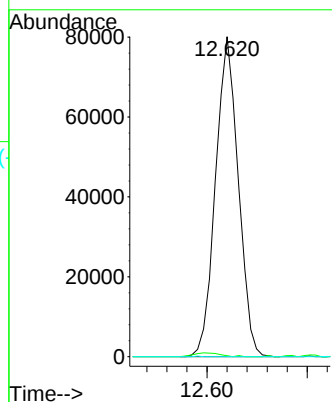
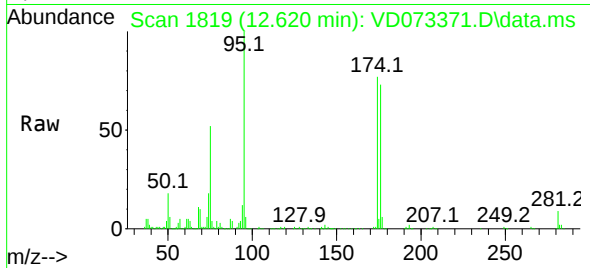




#81
trans-1,4-Dichloro-2-butene
Concen: 111.095 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

Instrument :
MSVOA_D
ClientSampleId :
P021-SS006-0006-01

Tgt Ion: 75 Resp: 125933
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.548 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD073371.D
Acq: 25 May 2022 20:15

Tgt Ion: 128 Resp: 68
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

