

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073302.D
 Acq On : 24 May 2022 01:28
 Operator : VA/SY
 Sample : N2949-02
 Misc : 5.70G/5.00ml/MSVOA_D/SoIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P037-SS002-0006-01

Quant Time: May 24 03:31:39 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)

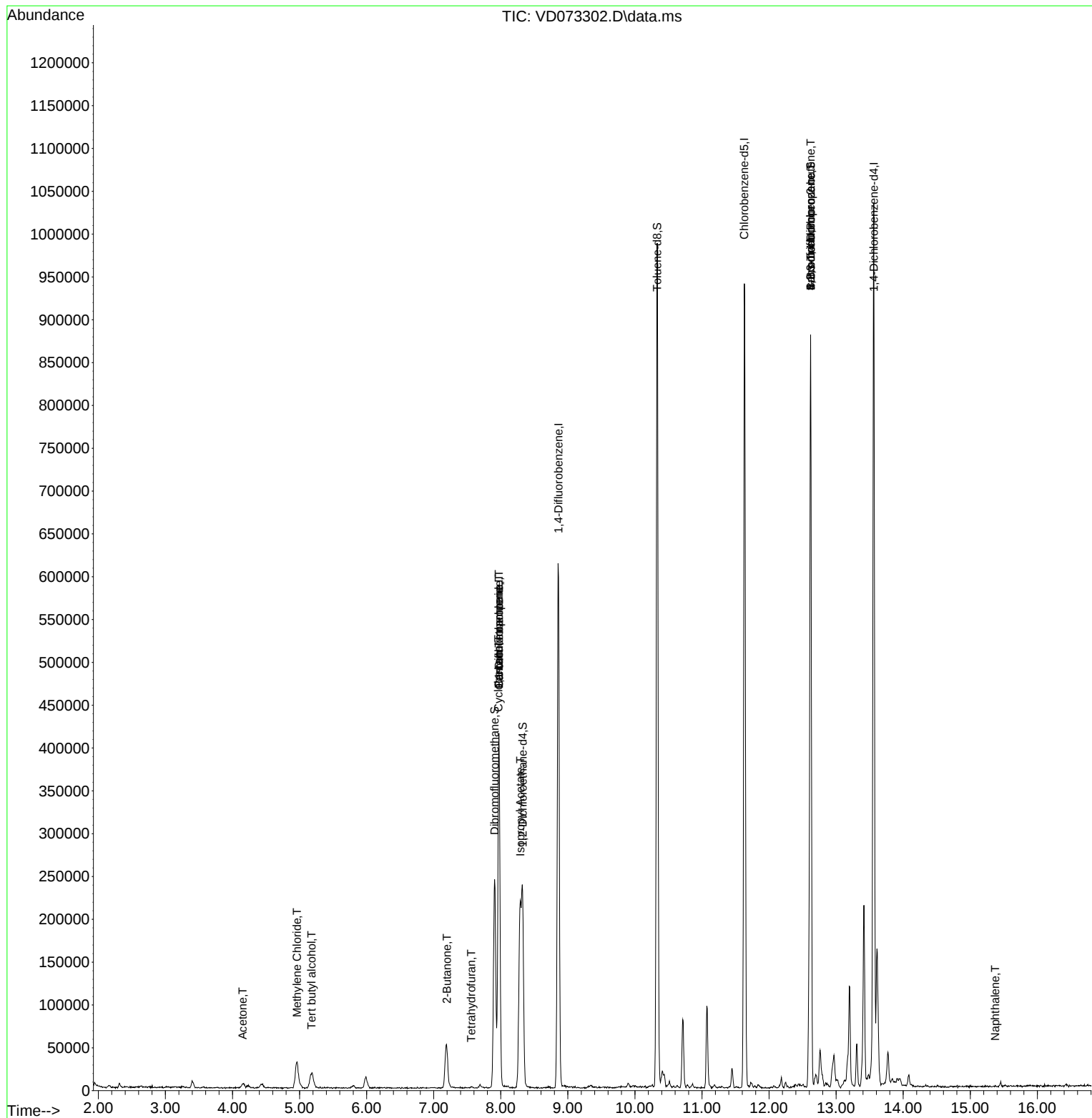
Internal Standards						
1) Pentafluorobenzene	7.973	168	294494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	536319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	553726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	272204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	172840	53.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.220%	
35) Dibromofluoromethane	7.908	113	183211	51.769	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.540%	
50) Toluene-d8	10.332	98	655055	50.213	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.420%	
62) 4-Bromofluorobenzene	12.620	95	265036	57.890	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.762	94	353	Below Cal	#	64
11) Tert butyl alcohol	5.179	59	18021	35.689	ug/l #	74
16) Acetone	4.150	43	10120	17.952	ug/l	98
20) Methylene Chloride	4.961	84	23122	2.688	ug/l #	81
25) 2-Butanone	7.197	43	2633	3.192	ug/l #	52
29) Tetrahydrofuran	7.561	42	838	1.571	ug/l #	59
31) Cyclohexane	7.967	56	7351	1.292	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	25674	4.824	ug/l #	51
38) Carbon Tetrachloride	7.973	117	31146	5.773	ug/l #	17
43) Isopropyl Acetate	8.291	43	5606	1.443	ug/l #	17
71) Bromoform	12.620	173	2176	1.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	134520	50.367	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	134520	120.916	ug/l #	7
95) Naphthalene	15.373	128	226	3.565	ug/l #	70

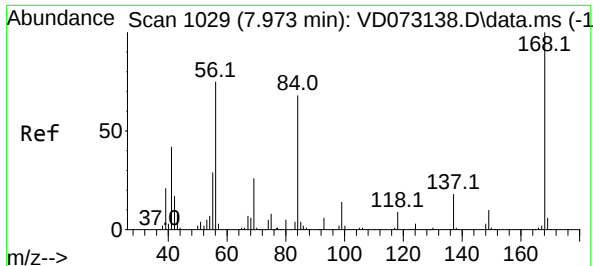
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
Data File : VD073302.D
Acq On : 24 May 2022 01:28
Operator : VA/SY
Sample : N2949-02
Misc : 5.70G/5.00ml/MSVOA_D/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P037-SS002-0006-01

Quant Time: May 24 03:31:39 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

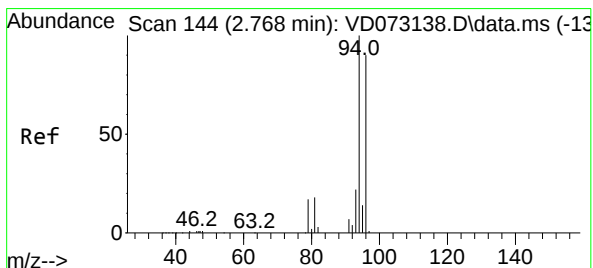
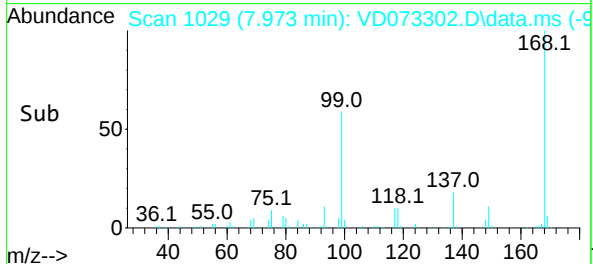
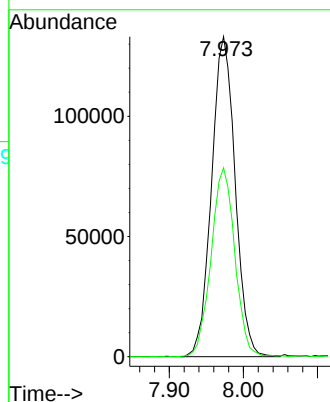
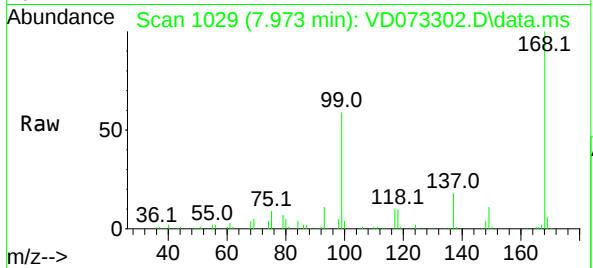




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

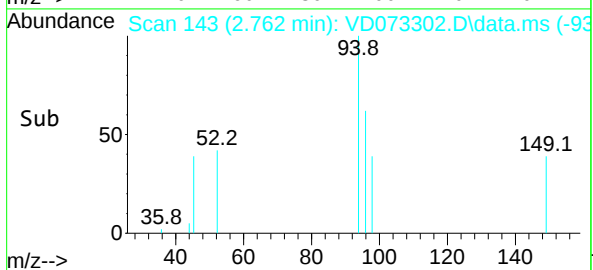
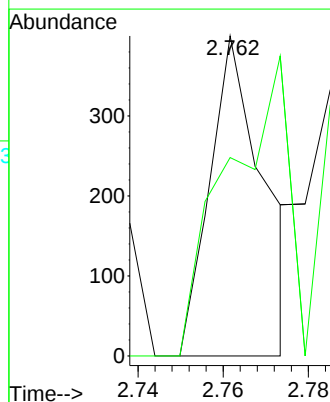
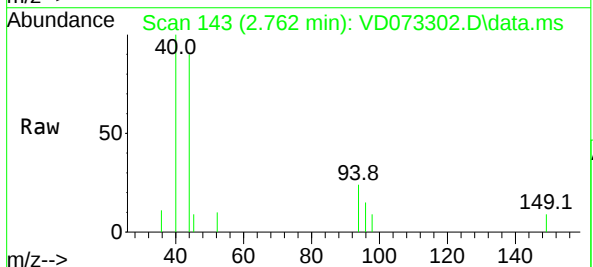
Instrument :
MSVOA_D
ClientSampleId :
P037-SS002-0006-01

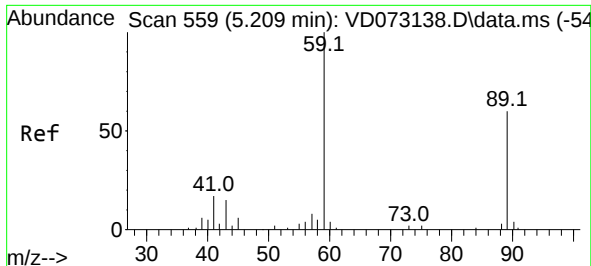
Tgt Ion:168 Resp: 294494
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.006 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

Tgt Ion: 94 Resp: 353
Ion Ratio Lower Upper
94 100
96 62.0 77.6 116.4#

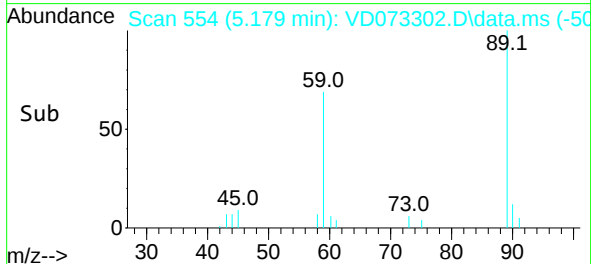
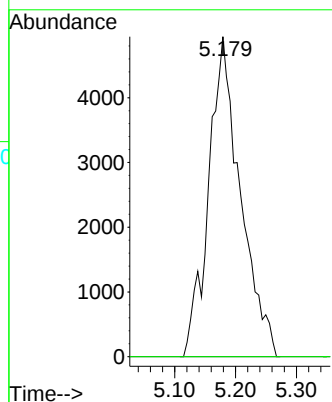
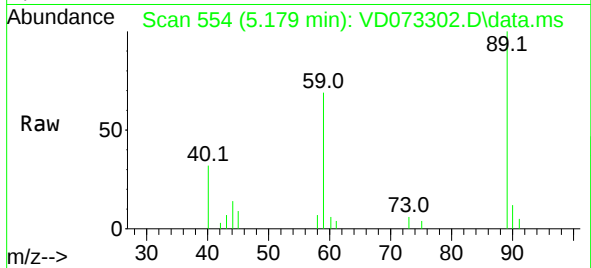




#11
Tert butyl alcohol
Concen: 35.689 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

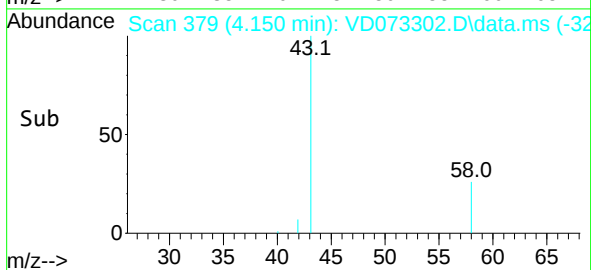
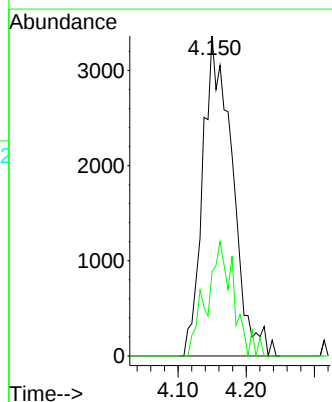
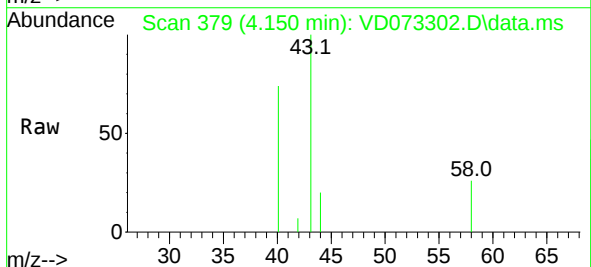
Instrument :
MSVOA_D
ClientSampleId :
P037-SS002-0006-01

Tgt Ion: 59 Resp: 18021
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 17.952 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

Tgt Ion: 43 Resp: 10120
Ion Ratio Lower Upper
43 100
58 26.4 22.1 33.1

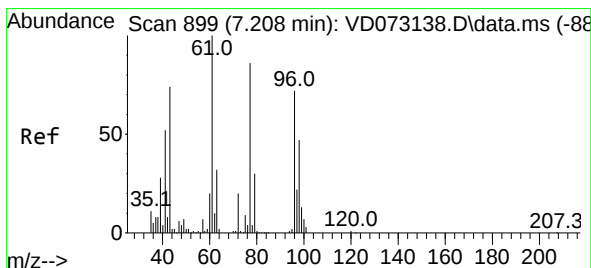
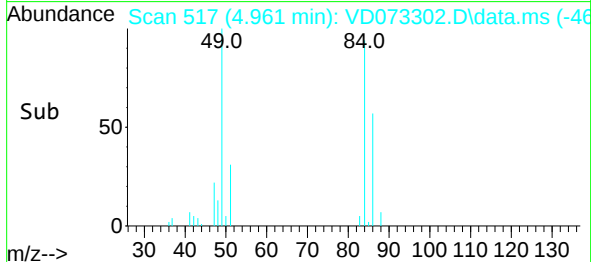
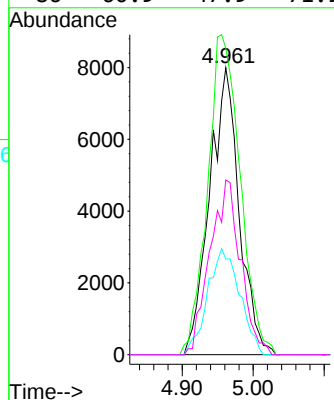
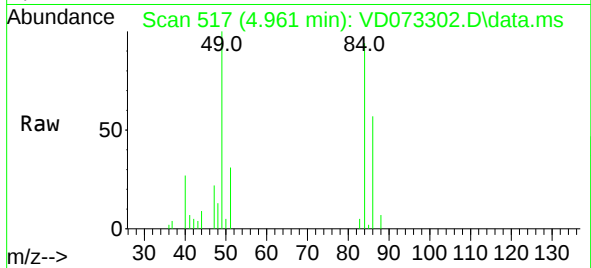




#20
Methylene Chloride
Concen: 2.688 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

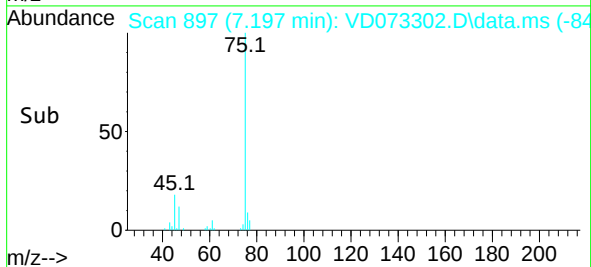
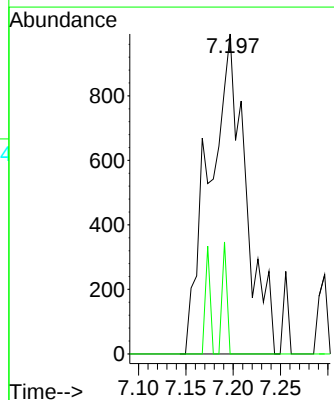
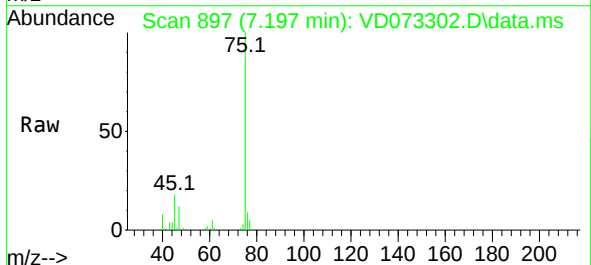
Instrument :
MSVOA_D
ClientSampleId :
P037-SS002-0006-01

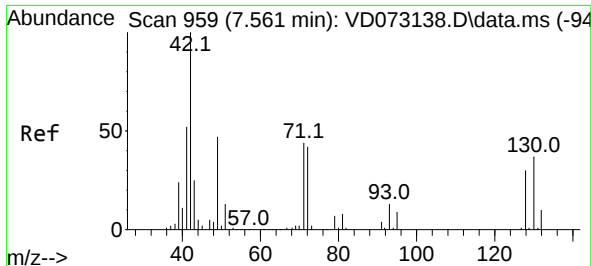
Tgt Ion:	84	Resp:	23122
Ion	Ratio	Lower	Upper
84	100		
49	106.9	112.8	169.2#
51	33.3	32.6	48.8
86	60.9	47.9	71.9



#25
2-Butanone
Concen: 3.192 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

Tgt Ion:	43	Resp:	2633
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#29

Tetrahydrofuran

Concen: 1.571 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD073302.D

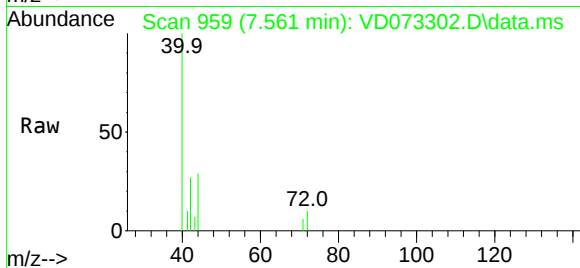
Acq: 24 May 2022 01:28

Instrument :

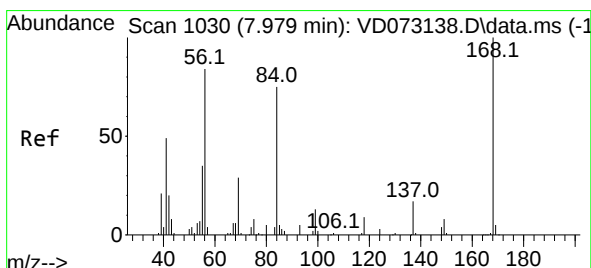
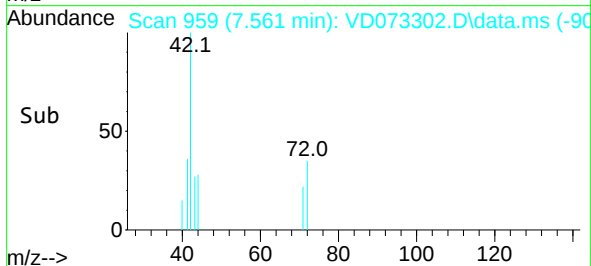
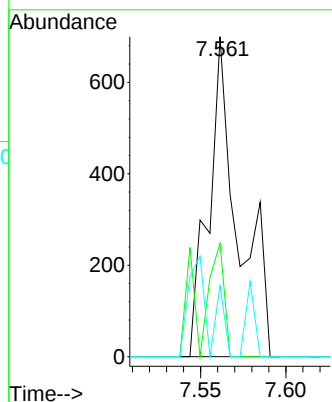
MSVOA_D

ClientSampleId :

P037-SS002-0006-01



Tgt Ion:	42	Resp:	838
Ion Ratio	Lower	Upper	
42	100		
72	17.8	30.7	46.1#
71	6.9	28.6	43.0#



#31

Cyclohexane

Concen: 1.292 ug/l

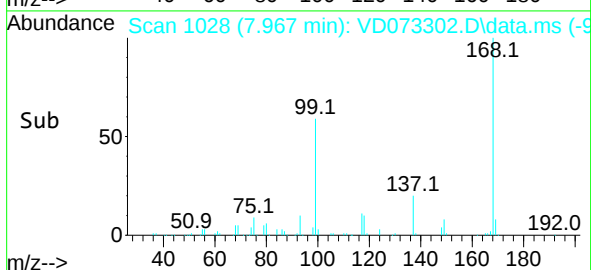
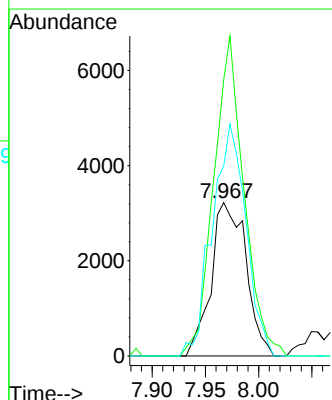
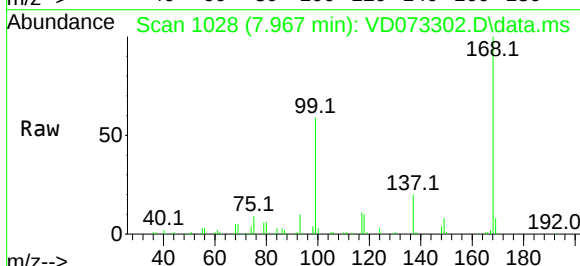
RT: 7.967 min Scan# 1028

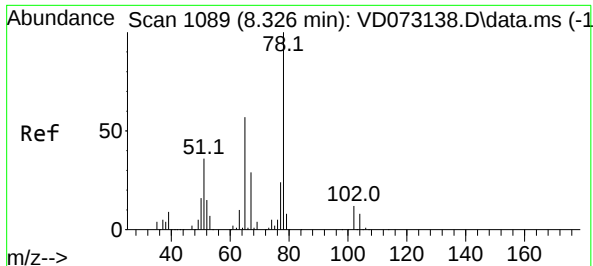
Delta R.T. -0.012 min

Lab File: VD073302.D

Acq: 24 May 2022 01:28

Tgt Ion:	56	Resp:	7351
Ion Ratio	Lower	Upper	
56	100		
69	180.3	25.4	38.2#
84	123.8	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 53.107 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073302.D

Acq: 24 May 2022 01:28

Instrument :

MSVOA_D

ClientSampleId :

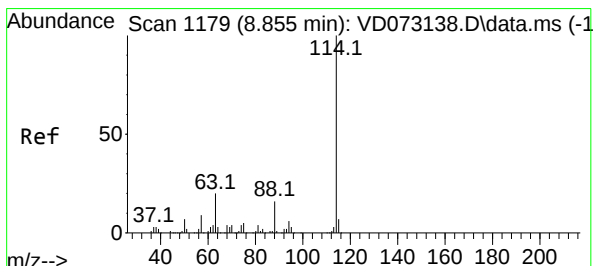
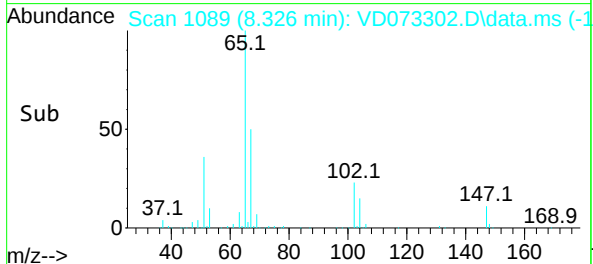
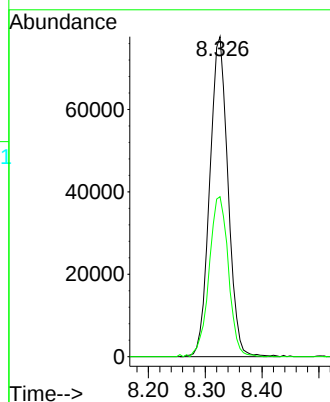
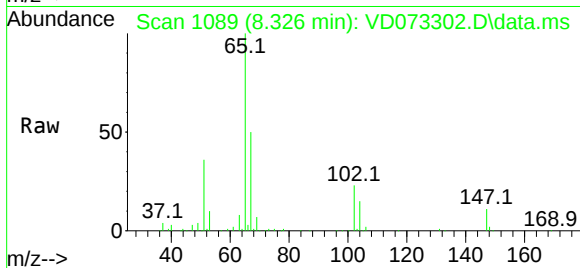
P037-SS002-0006-01

Tgt Ion: 65 Resp: 172840

Ion Ratio Lower Upper

65 100

67 52.9 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: VD073302.D

Acq: 24 May 2022 01:28

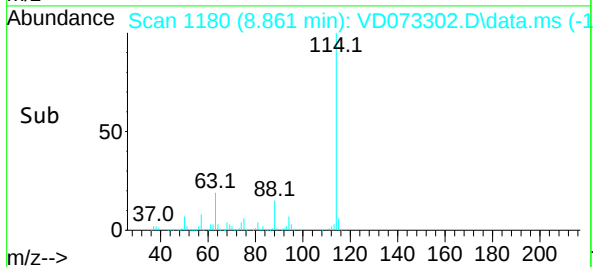
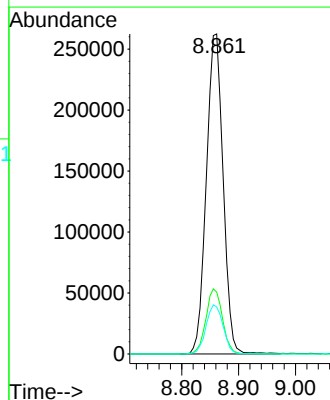
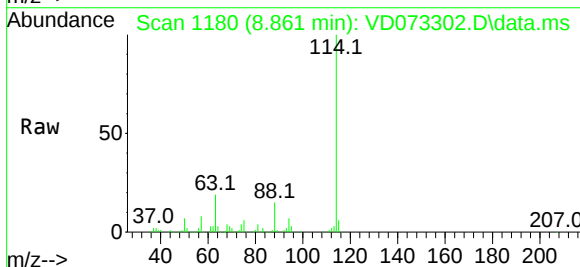
Tgt Ion: 114 Resp: 536319

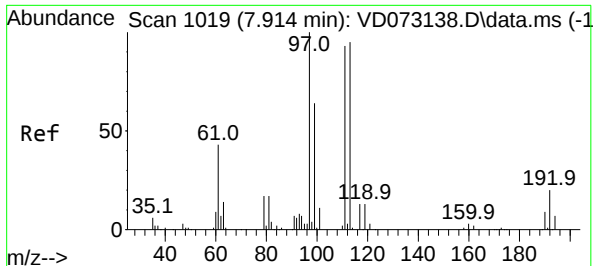
Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 14.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.769 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073302.D

Acq: 24 May 2022 01:28

Instrument :

MSVOA_D

ClientSampleId :

P037-SS002-0006-01

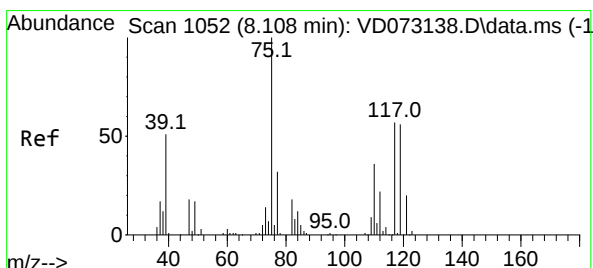
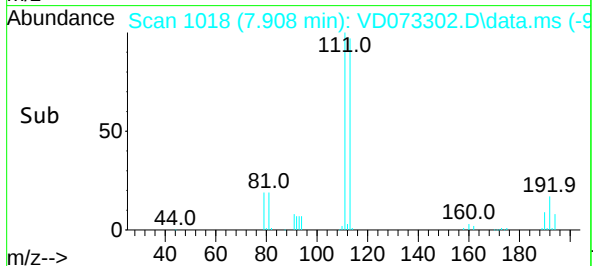
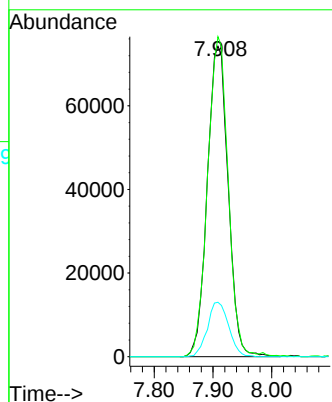
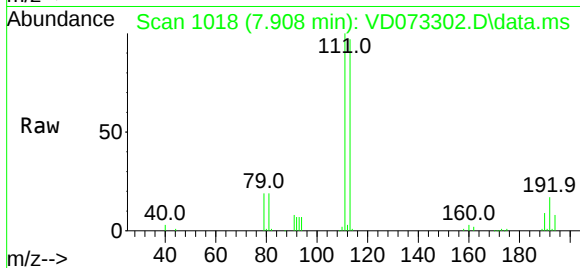
Tgt Ion:113 Resp: 183211

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: 4.824 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073302.D

Acq: 24 May 2022 01:28

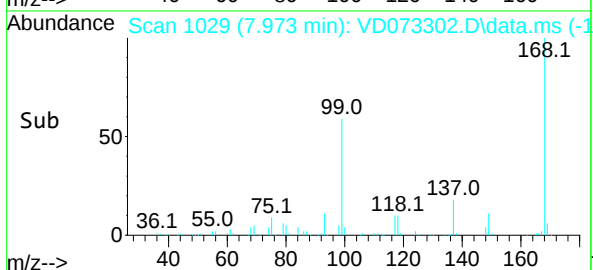
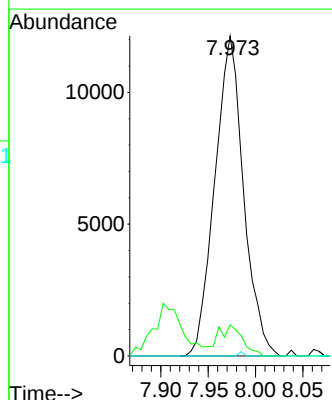
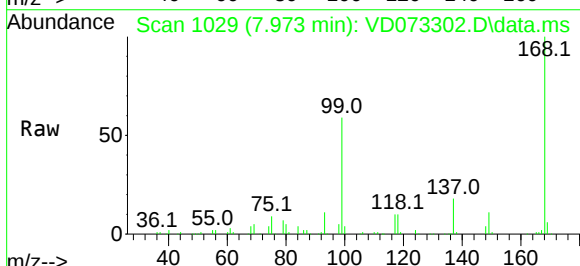
Tgt Ion: 75 Resp: 25674

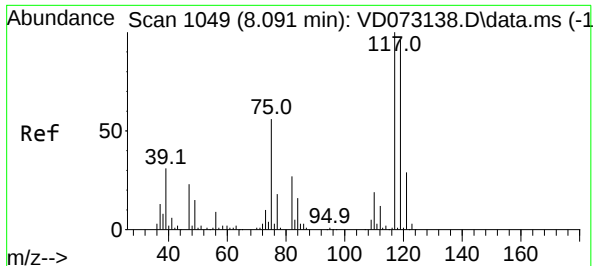
Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

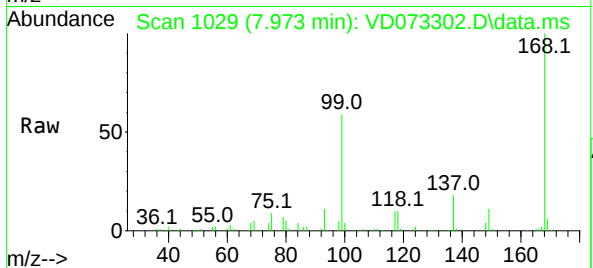
77 0.2 24.2 36.2#



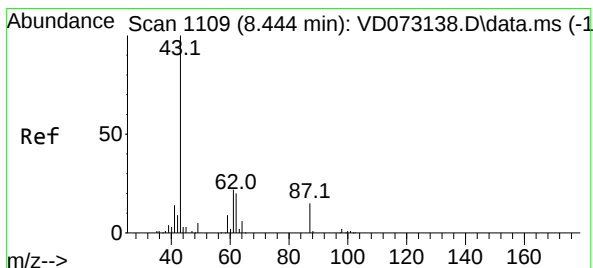
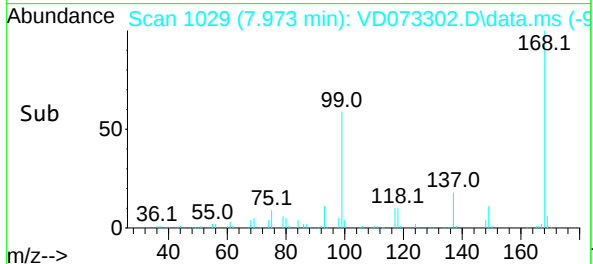
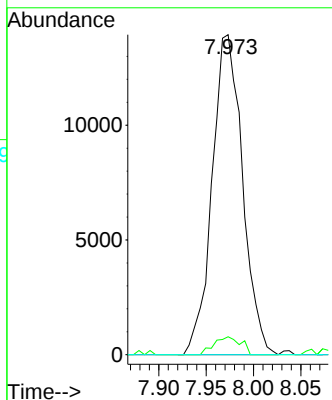


#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

Instrument :
MSVOA_D
ClientSampleId :
P037-SS002-0006-01

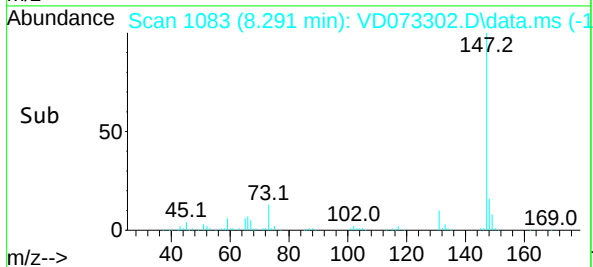
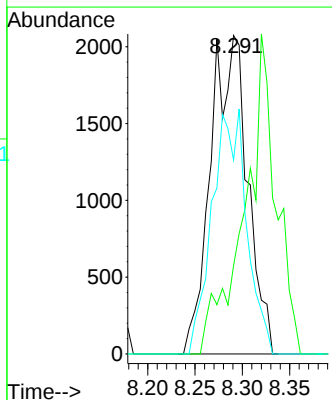
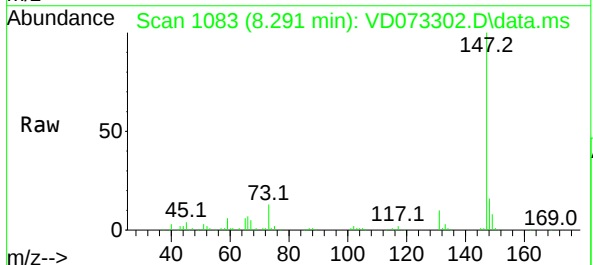


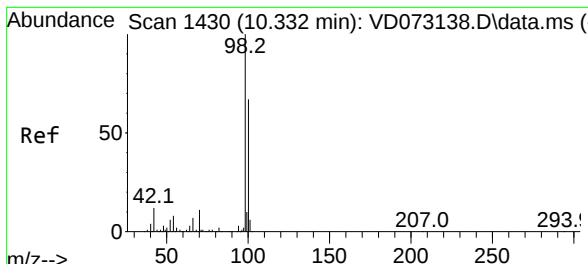
Tgt Ion:117 Resp: 31146
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 1.443 ug/l
RT: 8.291 min Scan# 1083
Delta R.T. -0.153 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

Tgt Ion: 43 Resp: 5606
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 71.7 8.7 13.1#

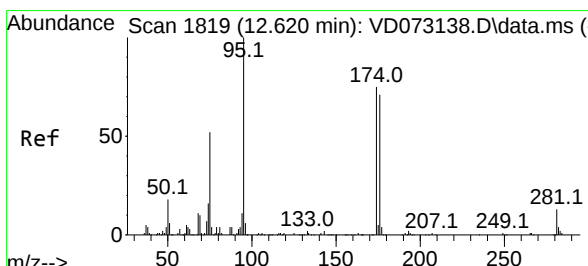
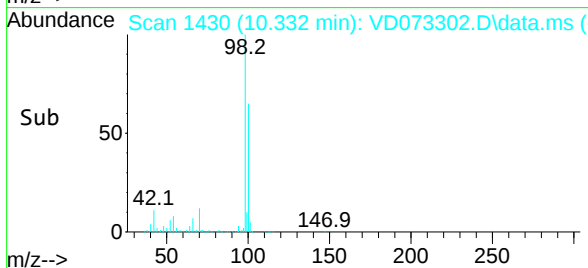
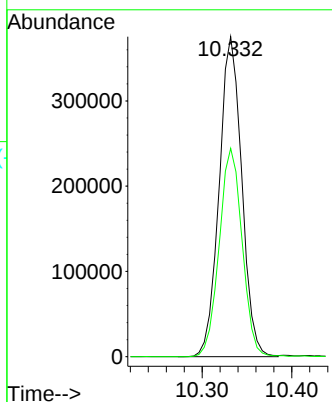
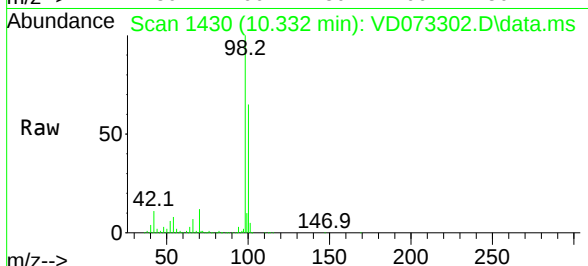




#50
Toluene-d8
Concen: 50.213 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

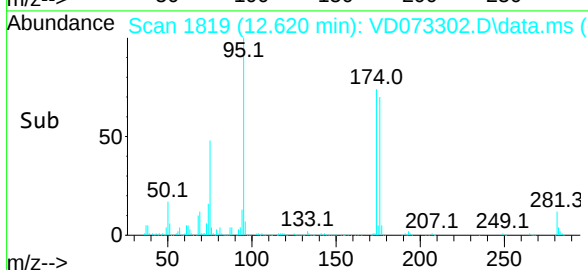
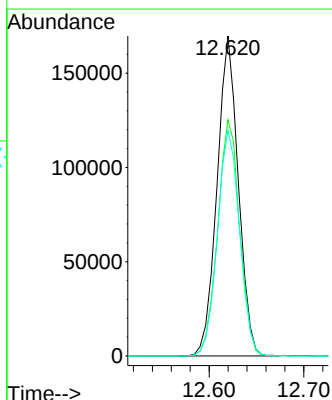
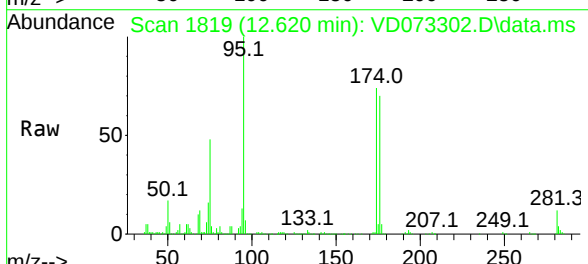
Instrument :
MSVOA_D
ClientSampleId :
P037-SS002-0006-01

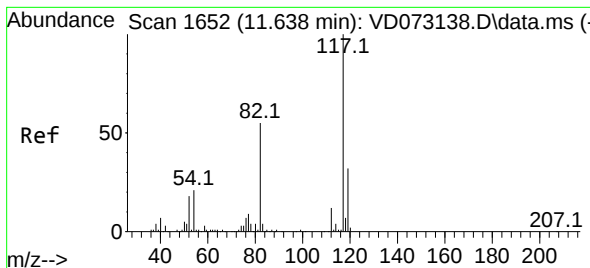
Tgt Ion: 98 Resp: 655055
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 57.890 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

Tgt Ion: 95 Resp: 265036
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 73.0 0.0 145.4

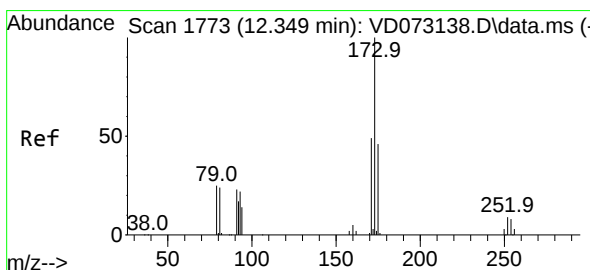
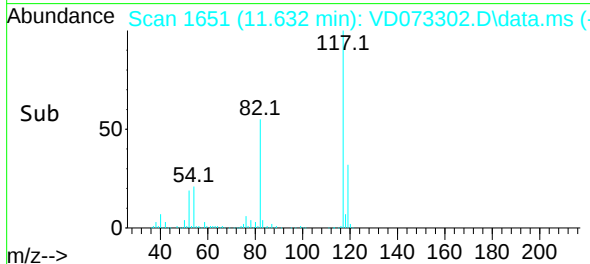
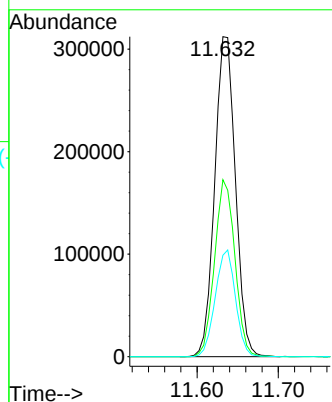
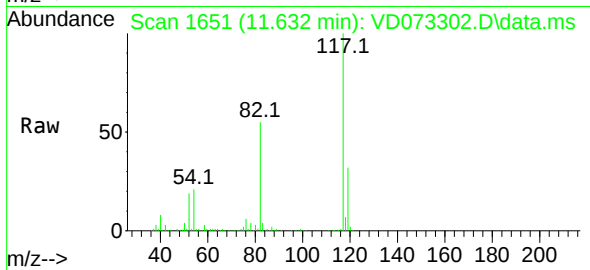




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

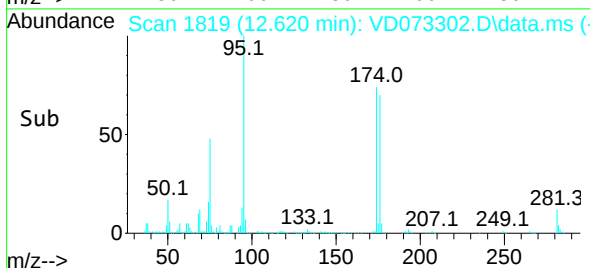
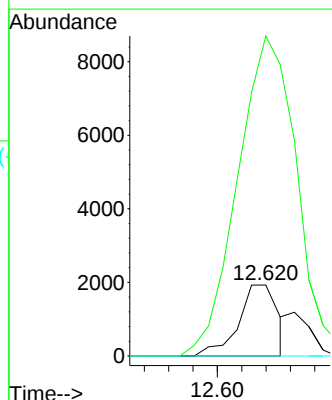
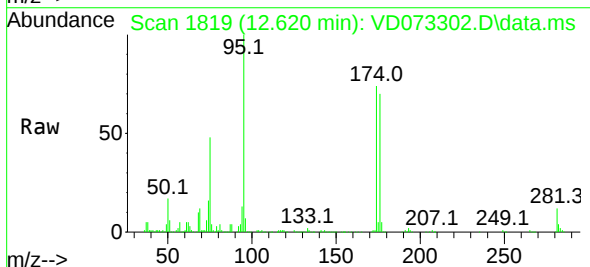
Instrument :
MSVOA_D
ClientSampleId :
P037-SS002-0006-01

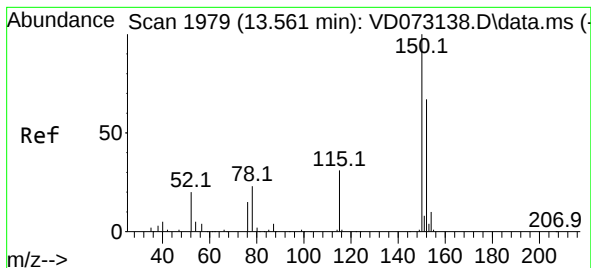
Tgt Ion:117 Resp: 553726
Ion Ratio Lower Upper
117 100
82 55.3 45.3 67.9
119 31.7 26.6 40.0



#71
Bromoform
Concen: 1.004 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

Tgt Ion:173 Resp: 2176
Ion Ratio Lower Upper
173 100
175 520.2 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: VD073302.D

Acq: 24 May 2022 01:28

Instrument :

MSVOA_D

ClientSampleId :

P037-SS002-0006-01

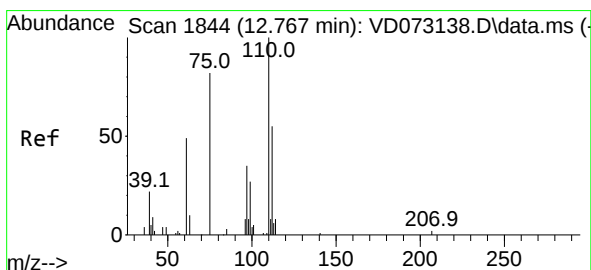
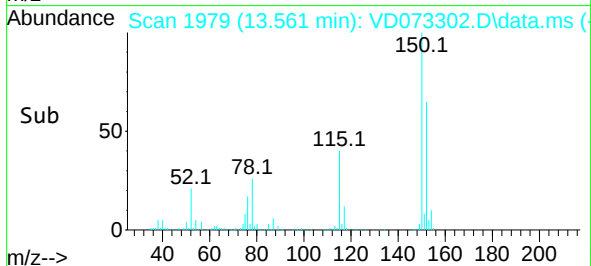
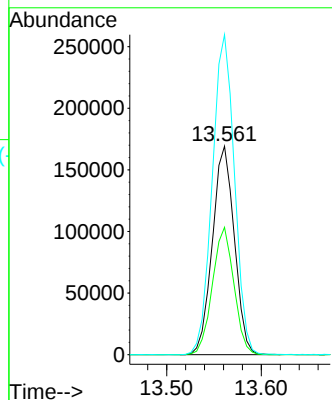
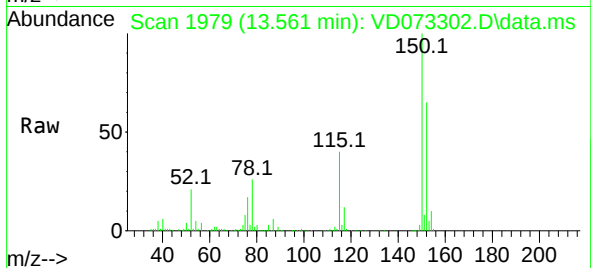
Tgt Ion:152 Resp: 272204

Ion Ratio Lower Upper

152 100

115 59.8 31.3 93.8

150 155.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 50.367 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073302.D

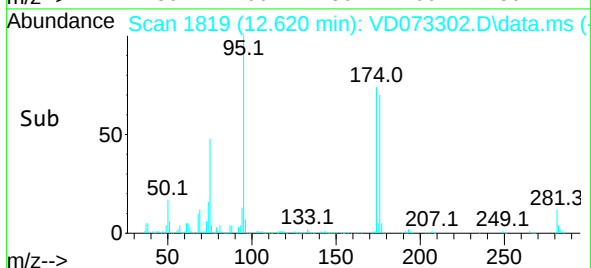
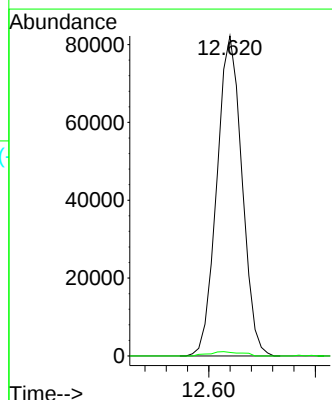
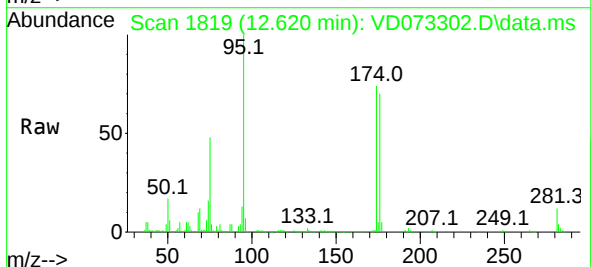
Acq: 24 May 2022 01:28

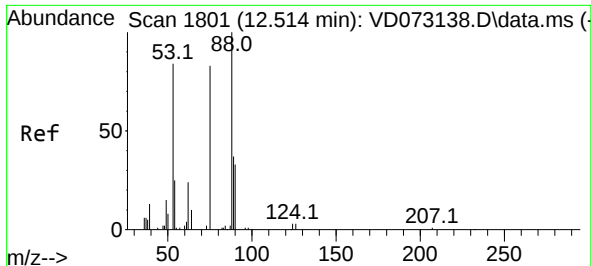
Tgt Ion: 75 Resp: 134520

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

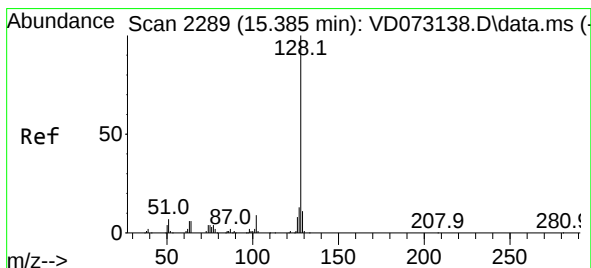
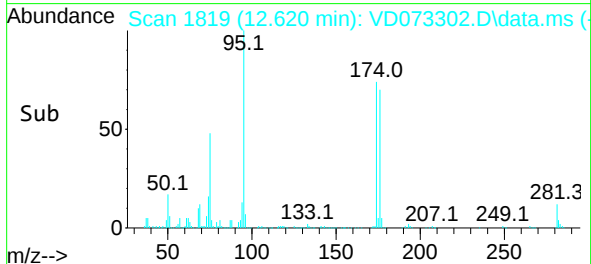
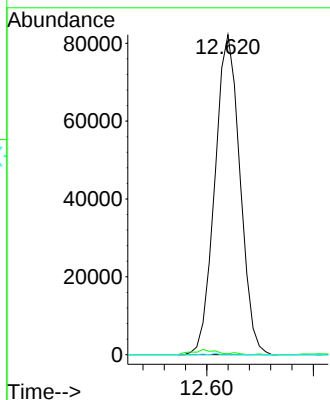
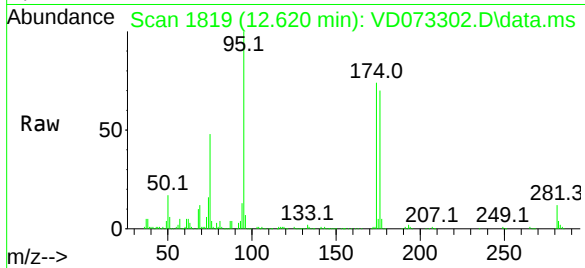




#81
trans-1,4-Dichloro-2-butene
Concen: 120.916 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

Instrument :
MSVOA_D
ClientSampleId :
P037-SS002-0006-01

Tgt Ion: 75 Resp: 134520
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.565 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD073302.D
Acq: 24 May 2022 01:28

Tgt Ion: 128 Resp: 226
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

