

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072316.D
 Acq On : 19 Mar 2022 04:36
 Operator : VA/SY
 Sample : N1970-03
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-3-6-9-10

Quant Time: Mar 19 05:35:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

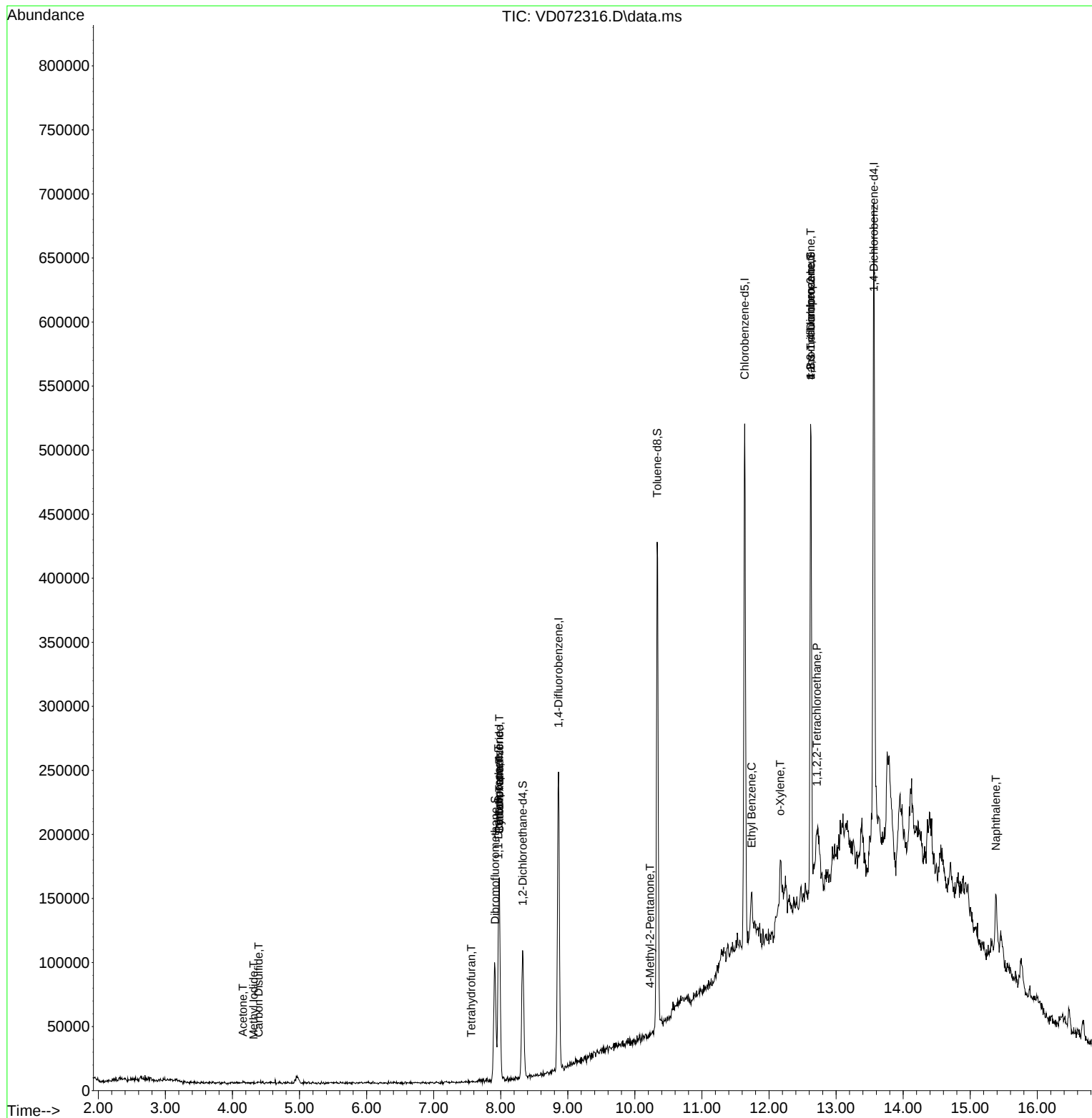
Internal Standards						
1) Pentafluorobenzene	7.973	168	115392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	197153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	235154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	131056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	79755	62.019	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.040%			
35) Dibromofluoromethane	7.914	113	64853	46.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.480%			
50) Toluene-d8	10.332	98	260054	51.263	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.520%			
62) 4-Bromofluorobenzene	12.620	95	128021	64.948	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 129.900%			
Target Compounds						Qvalue
10) Methyl Iodide	4.315	142	207	2.394	ug/l #	38
16) Acetone	4.156	43	1510	5.408	ug/l #	47
17) Carbon Disulfide	4.391	76	409	1.661	ug/l #	74
20) Methylene Chloride	4.962	84	4201	Below Cal	#	75
29) Tetrahydrofuran	7.561	42	243	1.110	ug/l #	59
31) Cyclohexane	7.979	56	2695	1.341	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	9665	4.966	ug/l #	51
38) Carbon Tetrachloride	7.979	117	12134	5.485	ug/l #	18
51) 4-Methyl-2-Pentanone	10.226	43	1027	1.182	ug/l	97
67) Ethyl Benzene	11.738	91	27822	2.988	ug/l	99
69) o-Xylene	12.167	106	9759	2.886	ug/l	77
75) 1,1,2,2-Tetrachloroethane	12.714	83	10418	5.609	ug/l #	34
76) 1,2,3-Trichloropropane	12.620	75	65103	45.033	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	65103	111.732	ug/l #	7
95) Naphthalene	15.385	128	46909	9.623	ug/l #	94

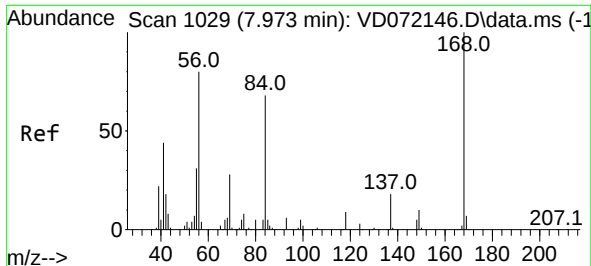
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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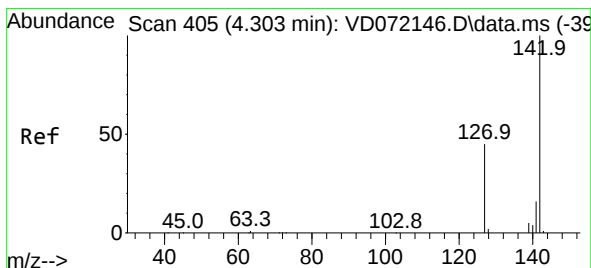
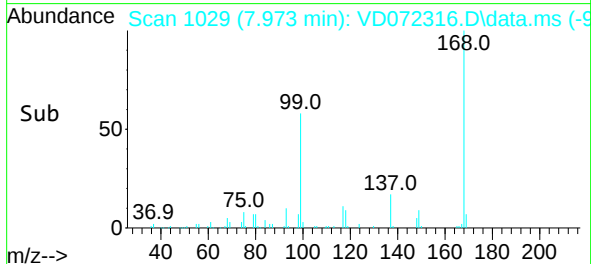
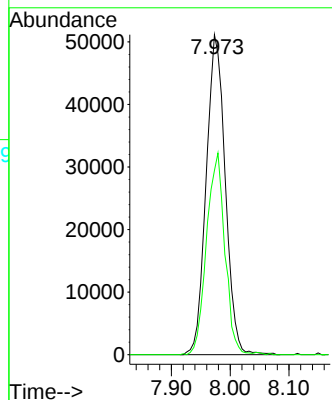
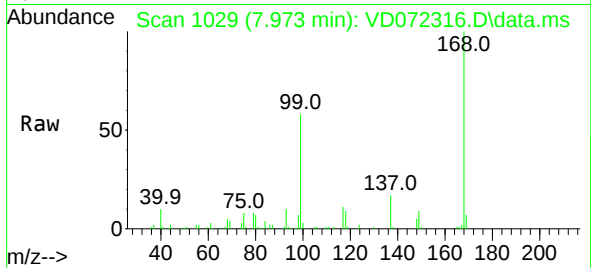




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

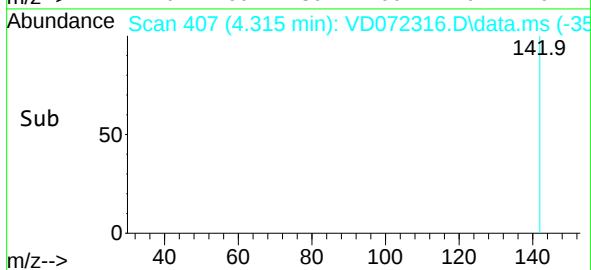
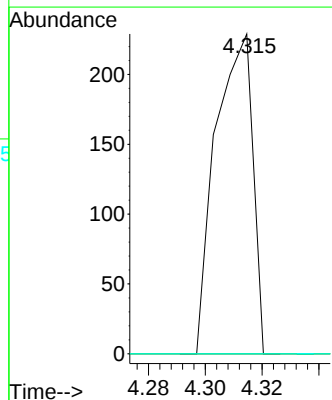
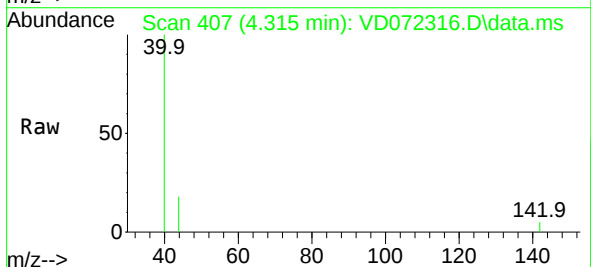
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

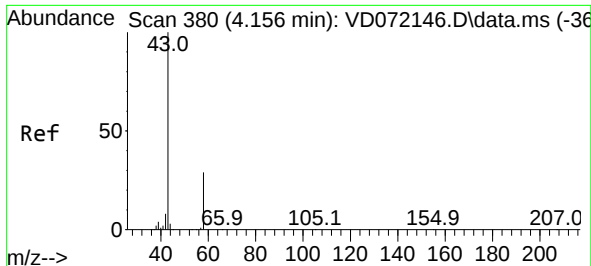
Tgt Ion:168 Resp: 115392
Ion Ratio Lower Upper
168 100
99 57.5 49.8 74.6



#10
Methyl Iodide
Concen: 2.394 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

Tgt Ion:142 Resp: 207
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

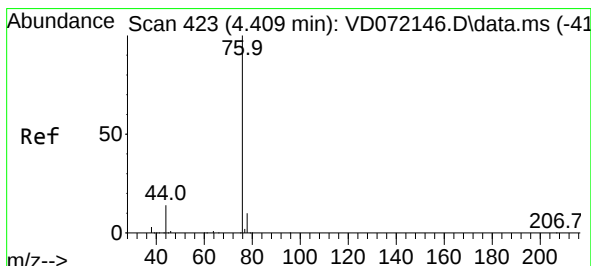
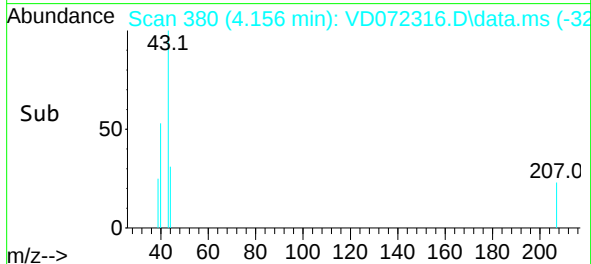
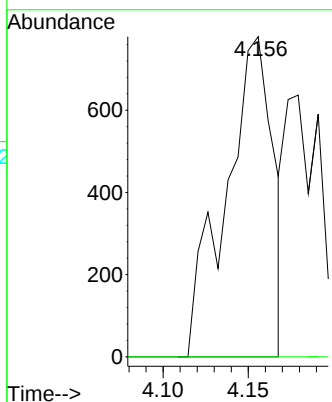
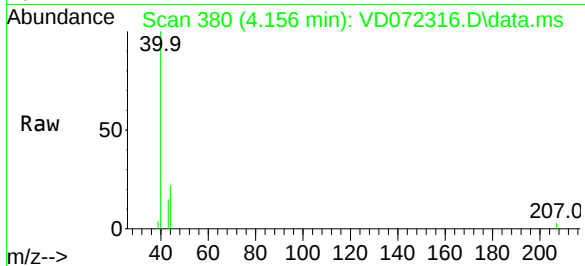




#16
Acetone
Concen: 5.408 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

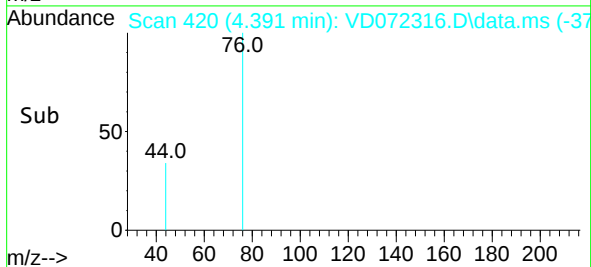
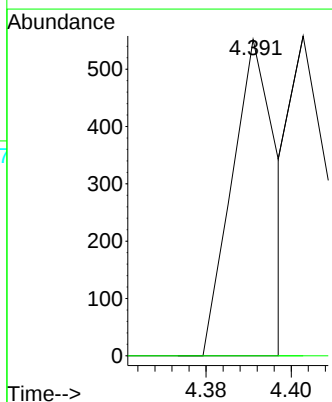
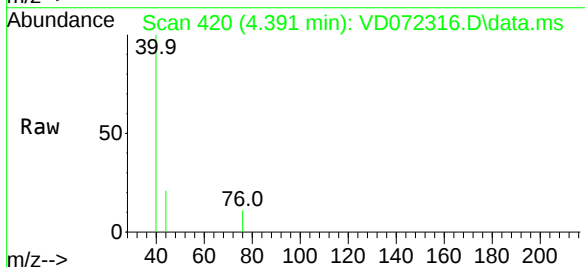
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

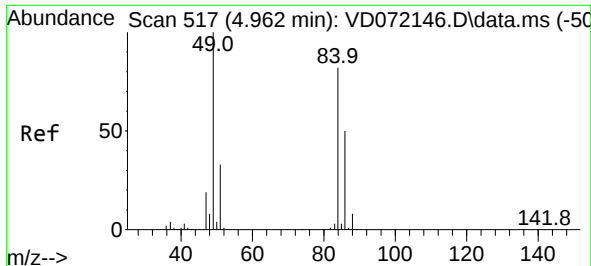
Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.661 ug/l
RT: 4.391 min Scan# 420
Delta R.T. -0.018 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

Tgt Ion: 76 Resp: 409
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

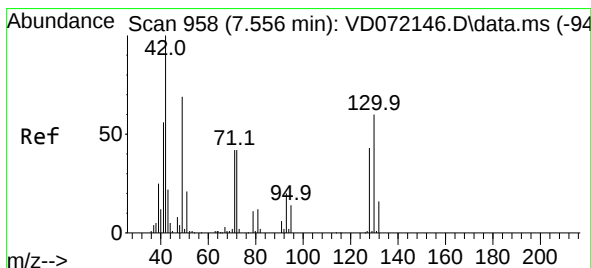
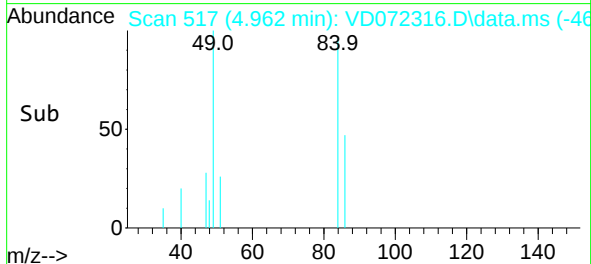
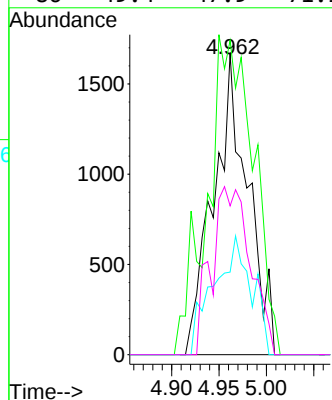
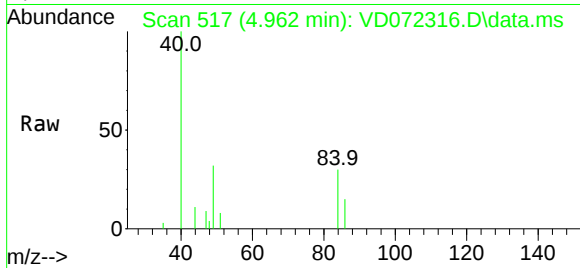




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

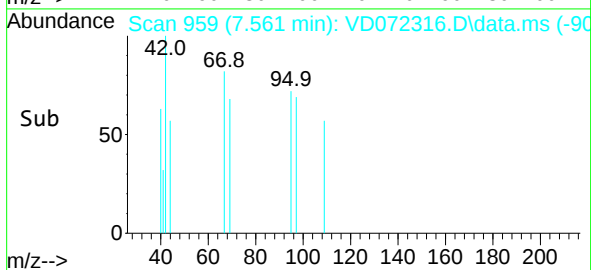
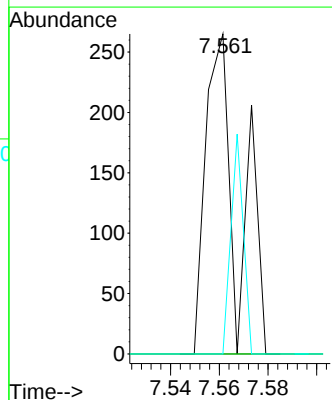
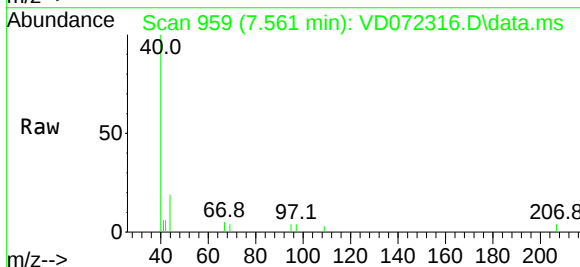
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

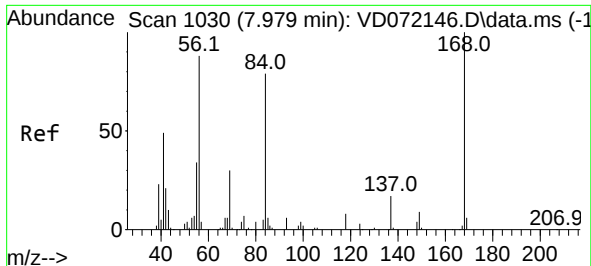
Tgt Ion:	84	Resp:	4201
Ion	Ratio	Lower	Upper
84	100		
49	104.2	112.8	169.2#
51	27.4	32.6	48.8#
86	49.4	47.9	71.9



#29
Tetrahydrofuran
Concen: 1.110 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.006 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

Tgt Ion:	42	Resp:	243
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	26.3	28.6	43.0#





#31

Cyclohexane

Concen: 1.341 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072316.D

Acq: 19 Mar 2022 04:36

Instrument :

MSVOA_D

ClientSampleId :

G-3-6-9-10

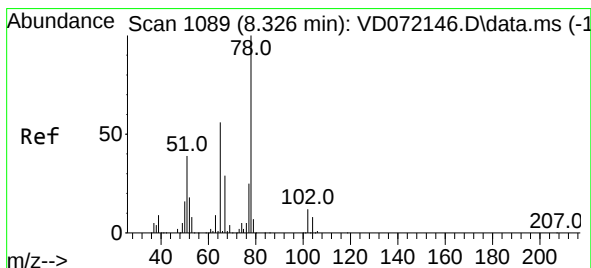
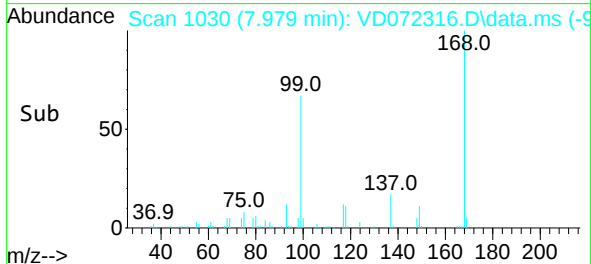
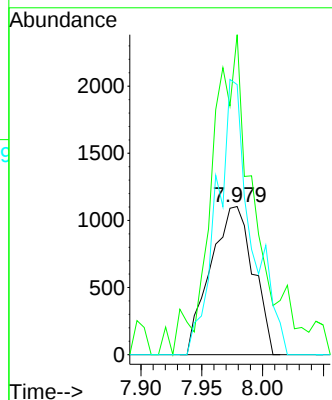
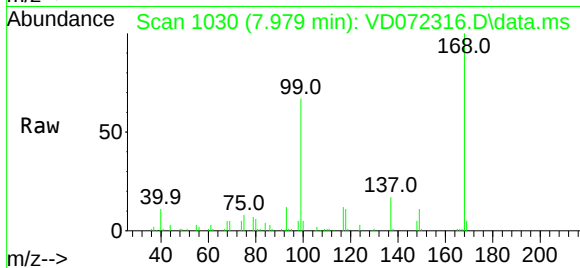
Tgt Ion: 56 Resp: 2695

Ion Ratio Lower Upper

56 100

69 185.5 25.4 38.2#

84 182.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 62.019 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072316.D

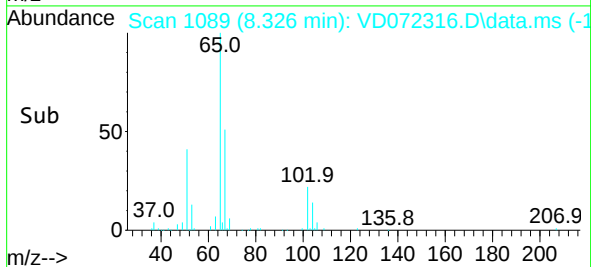
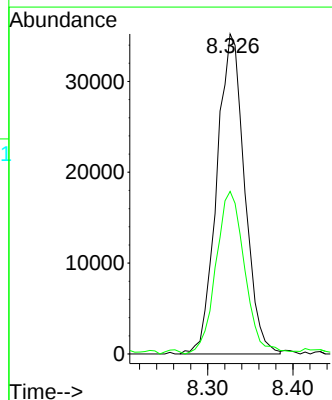
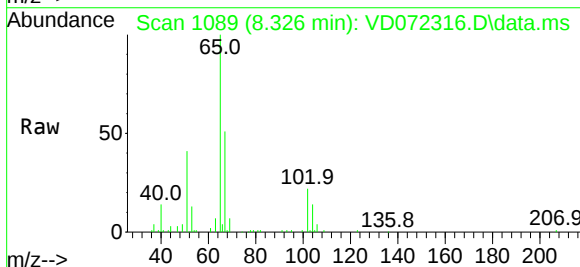
Acq: 19 Mar 2022 04:36

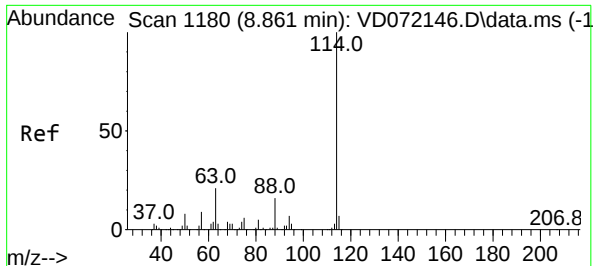
Tgt Ion: 65 Resp: 79755

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072316.D

Acq: 19 Mar 2022 04:36

Instrument :

MSVOA_D

ClientSampleId :

G-3-6-9-10

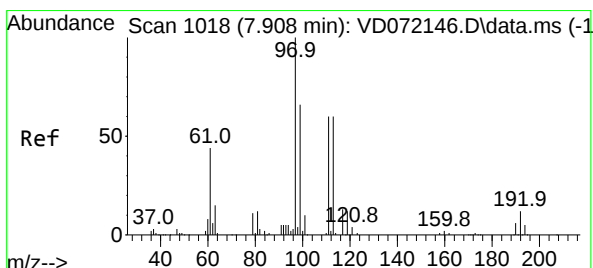
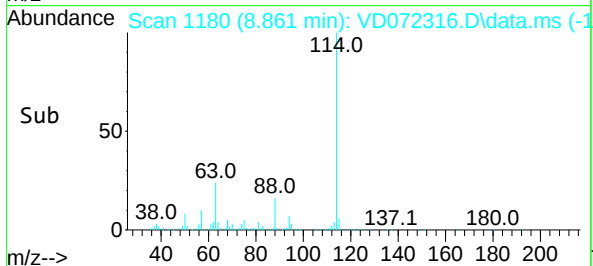
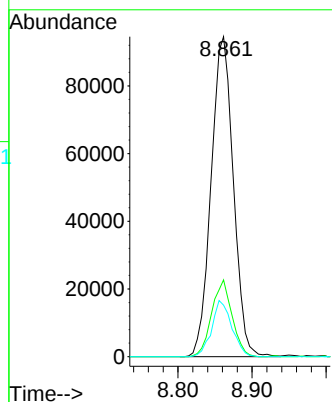
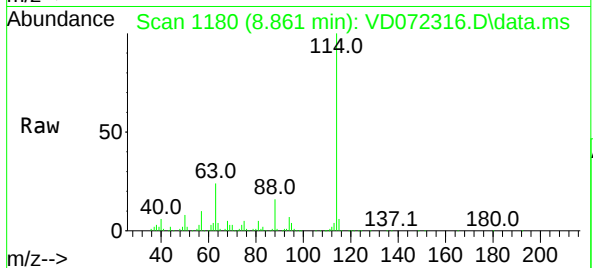
Tgt Ion:114 Resp: 197153

Ion Ratio Lower Upper

114 100

63 24.0 0.0 46.6

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.745 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072316.D

Acq: 19 Mar 2022 04:36

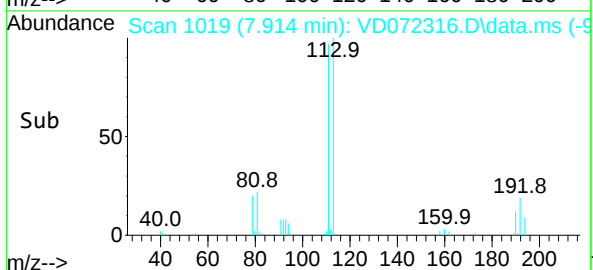
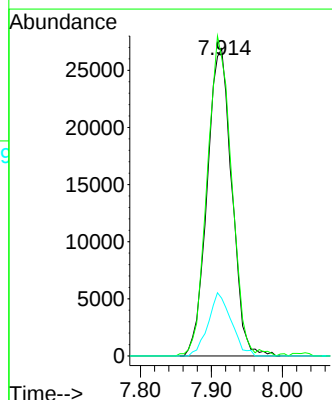
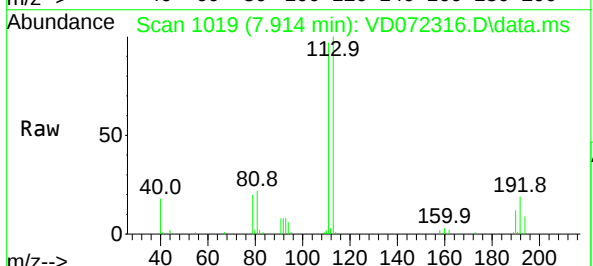
Tgt Ion:113 Resp: 64853

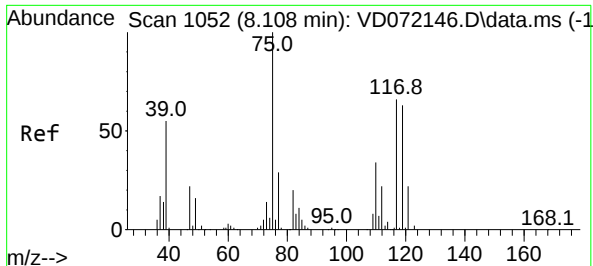
Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 19.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.966 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD072316.D

Acq: 19 Mar 2022 04:36

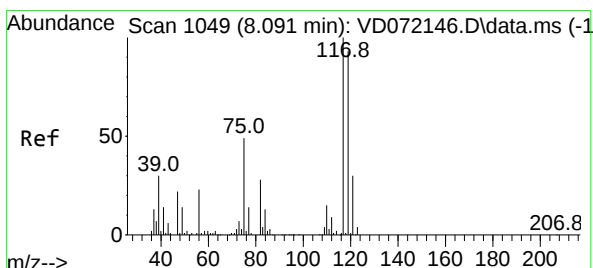
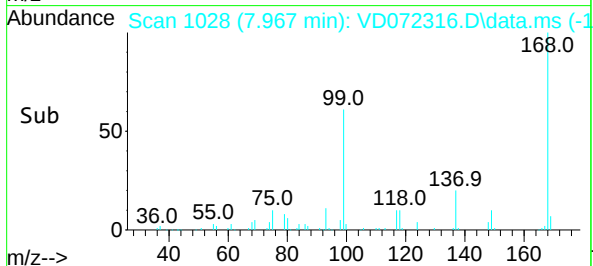
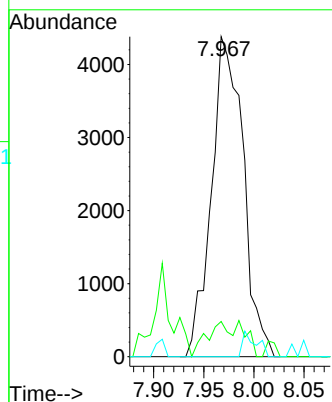
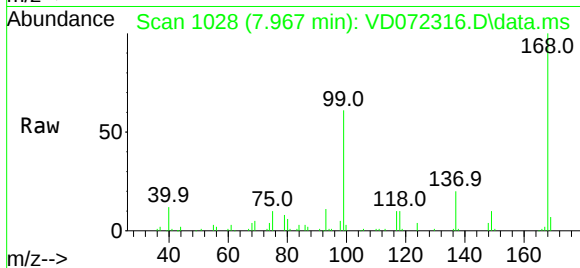
Instrument :

MSVOA_D

ClientSampleId :

G-3-6-9-10

Tgt Ion:	75	Resp:	9665
Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.485 ug/l

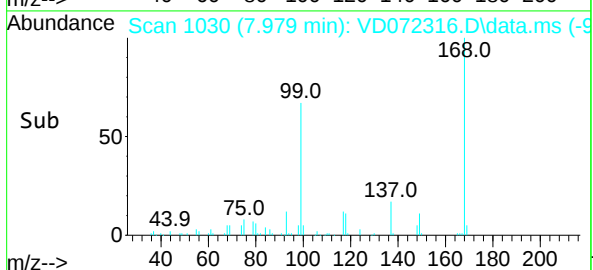
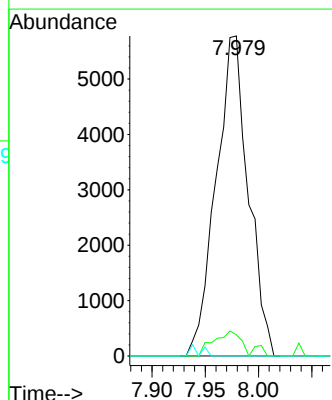
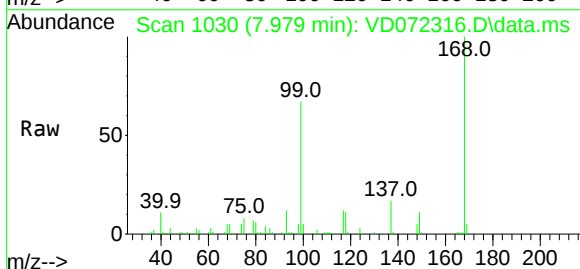
RT: 7.979 min Scan# 1030

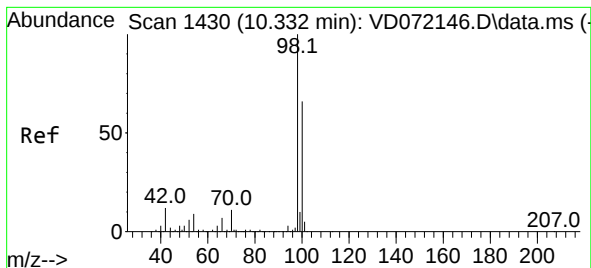
Delta R.T. -0.112 min

Lab File: VD072316.D

Acq: 19 Mar 2022 04:36

Tgt Ion:	117	Resp:	12134
Ion	Ratio	Lower	Upper
117	100		
119	6.6	75.8	113.6#
121	0.0	24.5	36.7#

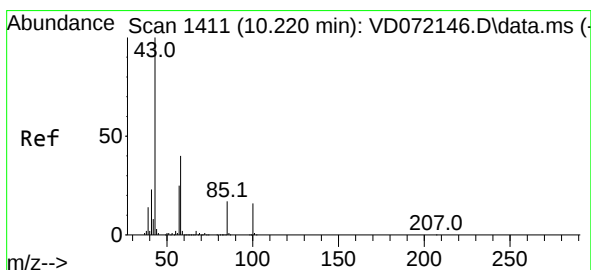
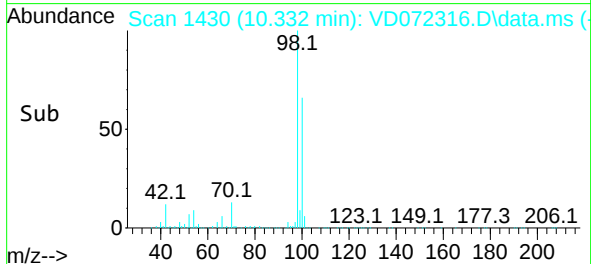
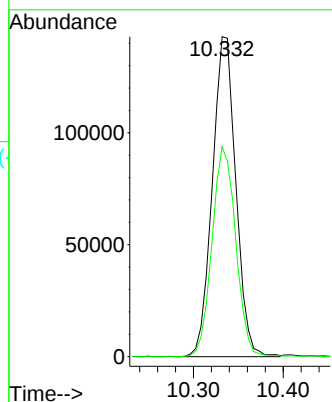
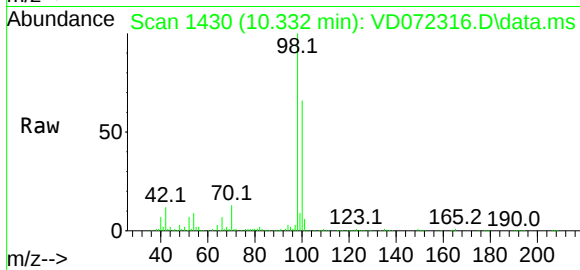




#50
Toluene-d8
Concen: 51.263 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

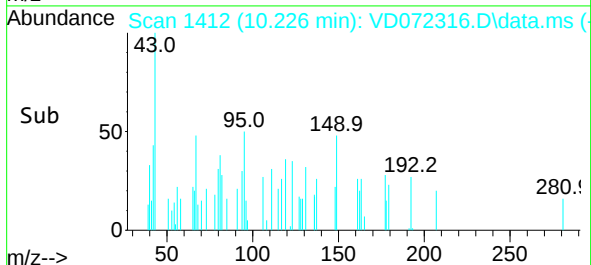
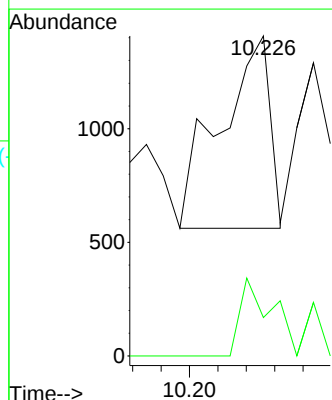
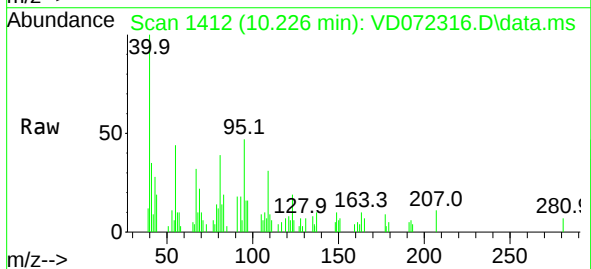
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

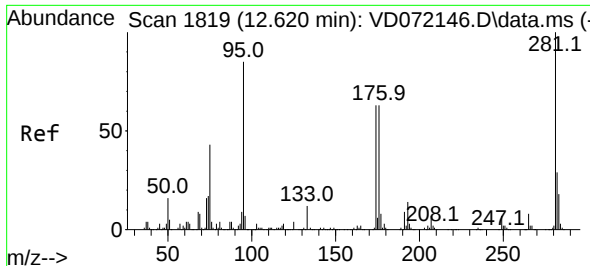
Tgt Ion: 98 Resp: 260054
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.182 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
58 34.1 28.6 43.0

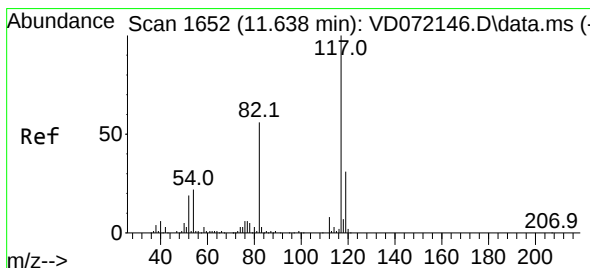
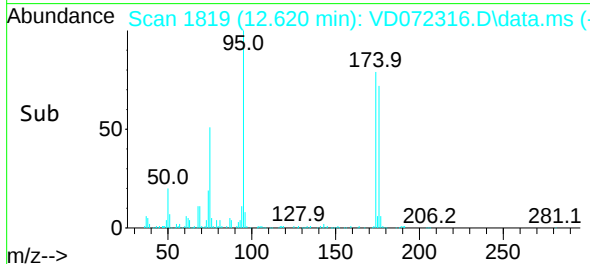
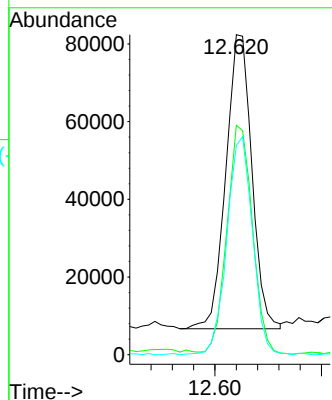
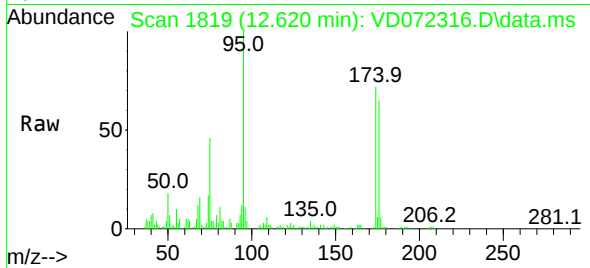




#62
4-Bromofluorobenzene
Concen: 64.948 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

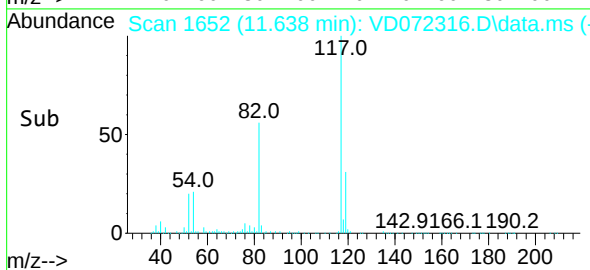
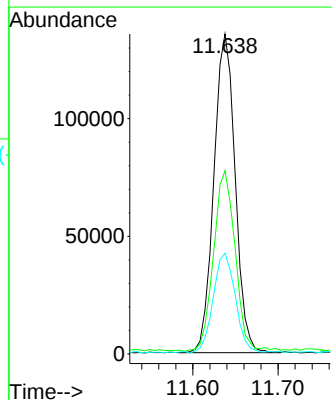
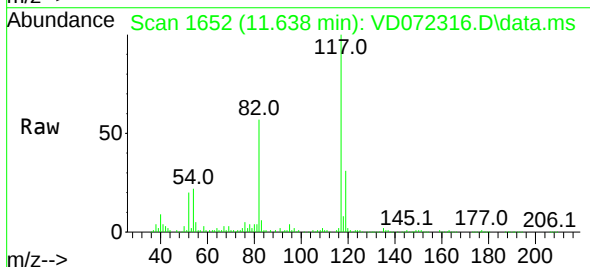
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

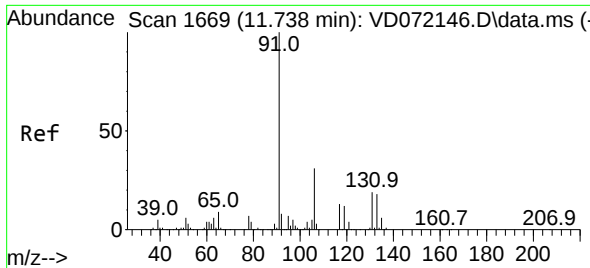
Tgt Ion: 95 Resp: 128021
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.8
176 72.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

Tgt Ion: 117 Resp: 235154
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 30.9 26.6 40.0

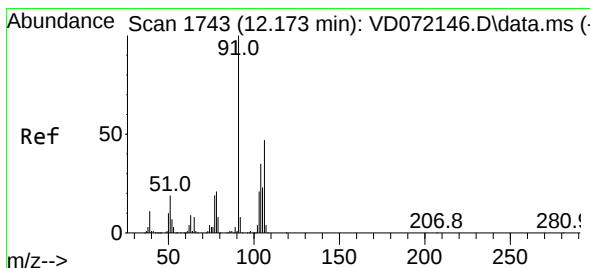
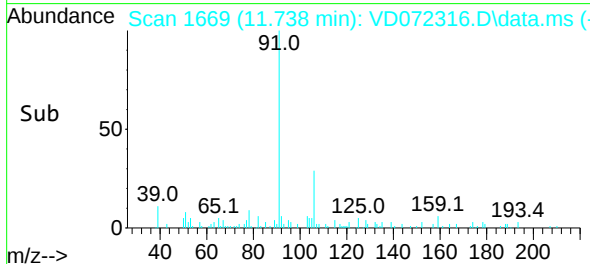
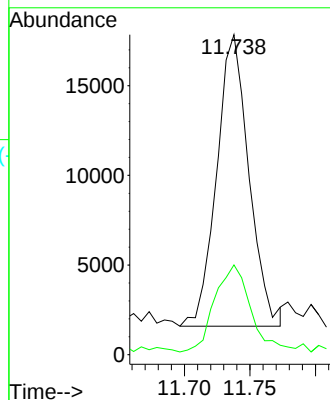
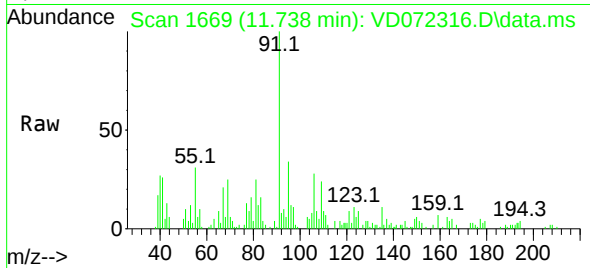




#67
Ethyl Benzene
Concen: 2.988 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

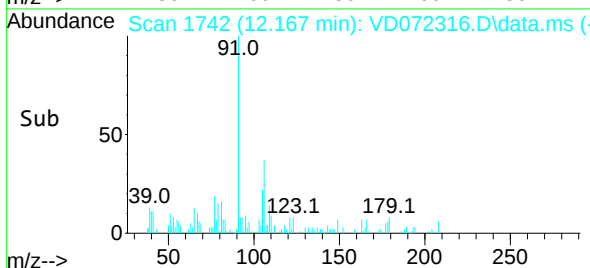
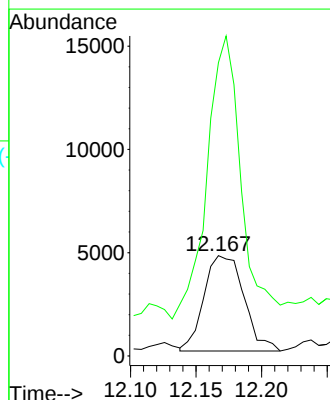
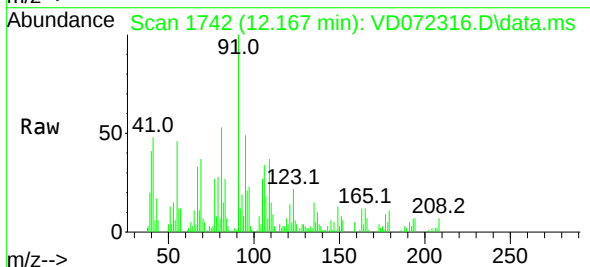
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

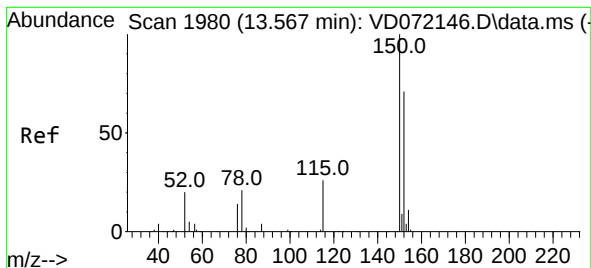
Tgt Ion: 91 Resp: 27822
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.4



#69
o-Xylene
Concen: 2.886 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

Tgt Ion: 106 Resp: 9759
Ion Ratio Lower Upper
106 100
91 258.4 110.4 331.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1980

Delta R.T. -0.006 min

Lab File: VD072316.D

Acq: 19 Mar 2022 04:36

Instrument :

MSVOA_D

ClientSampleId :

G-3-6-9-10

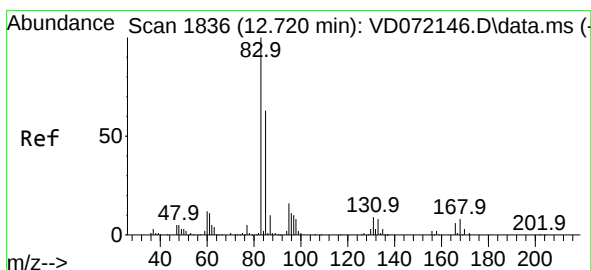
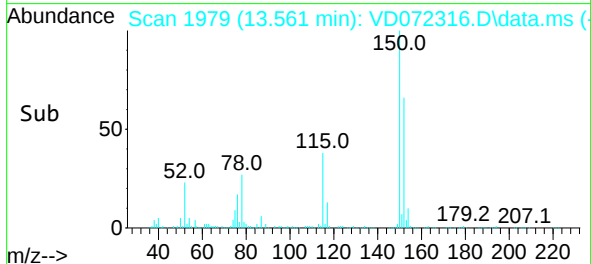
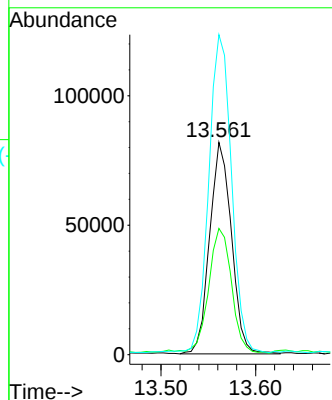
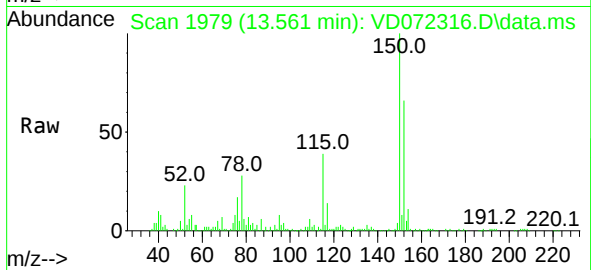
Tgt Ion:152 Resp: 131056

Ion Ratio Lower Upper

152 100

115 61.9 31.3 93.8

150 156.2 0.0 348.6



#75

1,1,2,2-Tetrachloroethane

Concen: 5.609 ug/l

RT: 12.714 min Scan# 1835

Delta R.T. -0.006 min

Lab File: VD072316.D

Acq: 19 Mar 2022 04:36

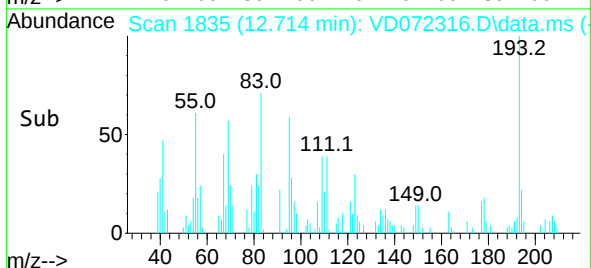
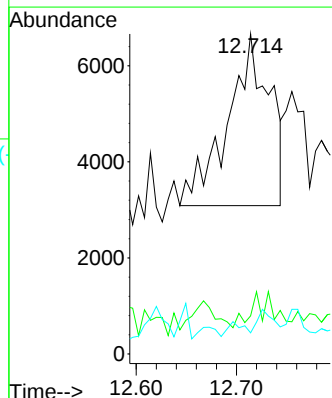
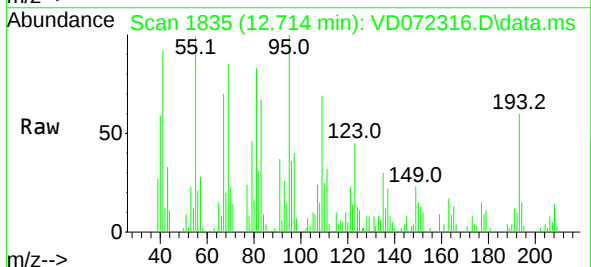
Tgt Ion: 83 Resp: 10418

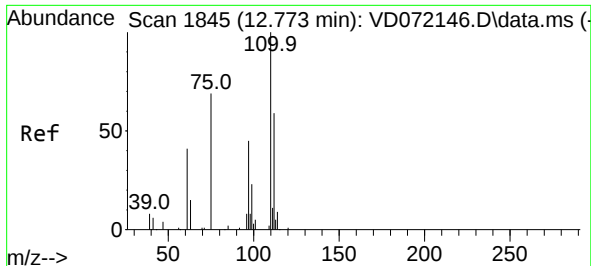
Ion Ratio Lower Upper

83 100

131 5.2 5.0 14.9

85 6.9 32.6 98.0#

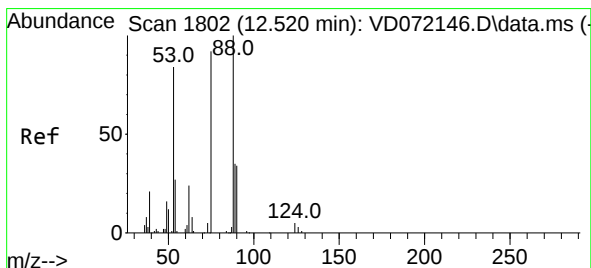
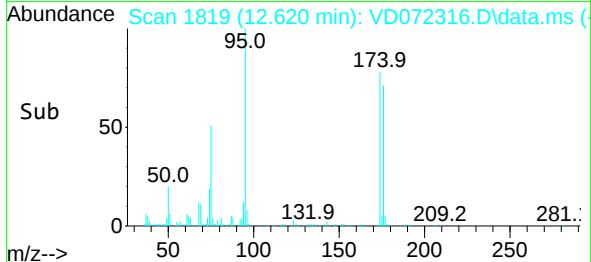
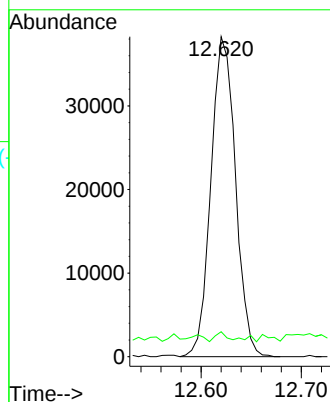
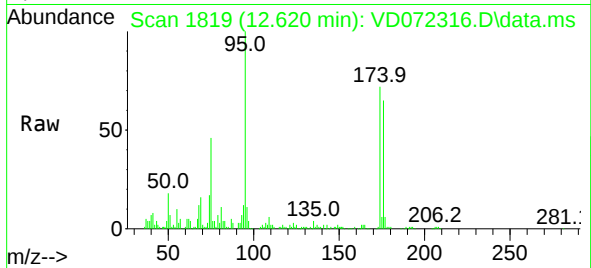




#76
1,2,3-Trichloropropane
Concen: 45.033 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

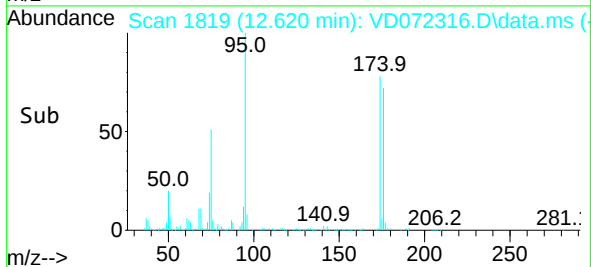
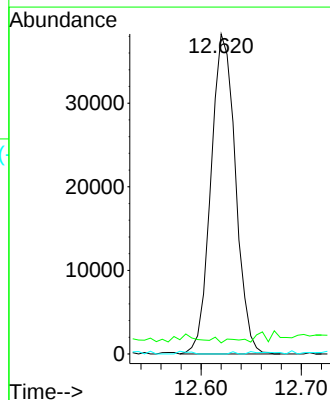
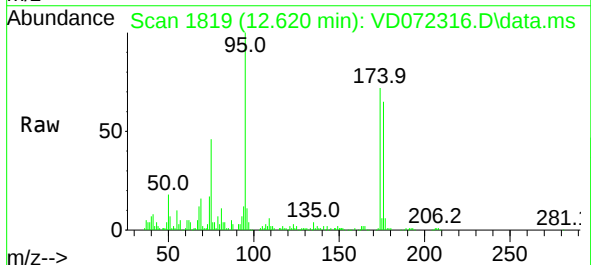
Instrument :
MSVOA_D
ClientSampleId :
G-3-6-9-10

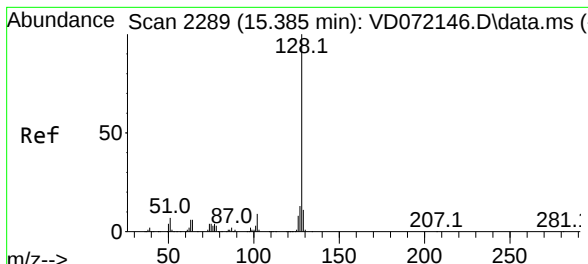
Tgt Ion: 75 Resp: 65103
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.732 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072316.D
Acq: 19 Mar 2022 04:36

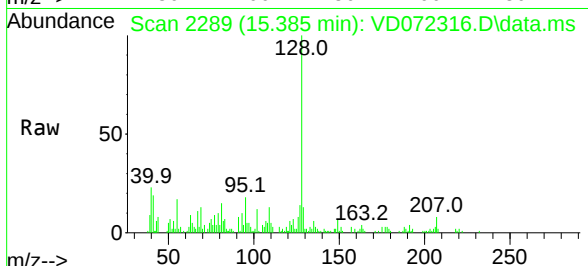
Tgt Ion: 75 Resp: 65103
Ion Ratio Lower Upper
75 100
53 0.7 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 9.623 ug/l
 RT: 15.385 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD072316.D
 Acq: 19 Mar 2022 04:36

Instrument :
 MSVOA_D
 ClientSampleId :
 G-3-6-9-10



Tgt Ion:128 Resp: 46909

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	14.9	8.4	12.6#

