

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050922\
 Data File : VD072901.D
 Acq On : 09 May 2022 20:13
 Operator : VA/SY
 Sample : N2703-07
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-29D

Quant Time: May 10 01:37:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

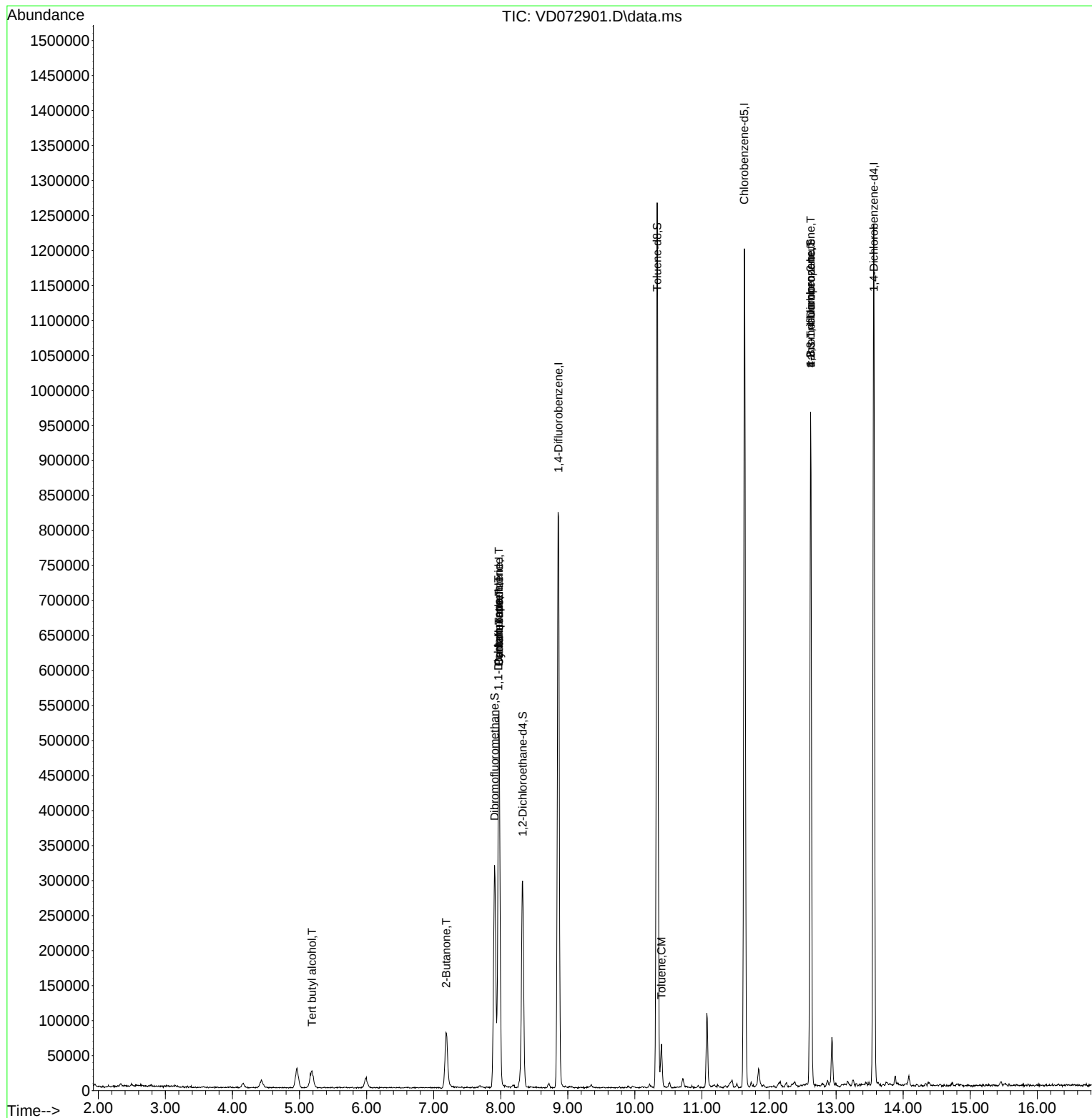
Internal Standards						
1) Pentafluorobenzene	7.973	168	378402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	694633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	682126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	312114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	230818	46.991	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.980%		
35) Dibromofluoromethane	7.909	113	232334	47.624	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.240%		
50) Toluene-d8	10.332	98	848619	48.494	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.980%		
62) 4-Bromofluorobenzene	12.620	95	314487	48.196	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.400%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	819	Below Cal	#	69
11) Tert butyl alcohol	5.185	59	24168	56.868	ug/l #	74
16) Acetone	4.156	43	10853	Below Cal		98
18) Methyl Acetate	4.703	43	166	Below Cal	#	55
20) Methylene Chloride	4.950	84	20469	Below Cal		88
25) 2-Butanone	7.185	43	5048	3.527	ug/l #	69
31) Cyclohexane	7.973	56	9336	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	34169	4.307	ug/l #	52
38) Carbon Tetrachloride	7.973	117	40754	4.949	ug/l #	16
52) Toluene	10.397	92	23434	1.640	ug/l	96
76) 1,2,3-Trichloropropane	12.620	75	167329	48.079	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	167329	110.563	ug/l #	7

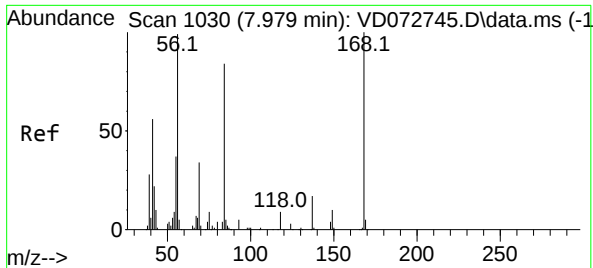
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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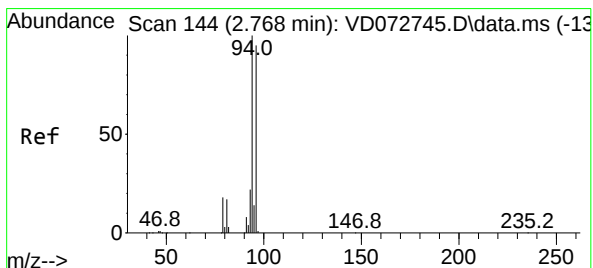
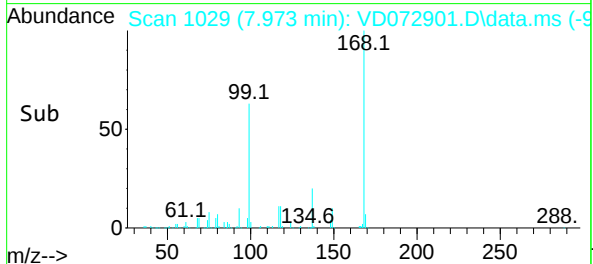
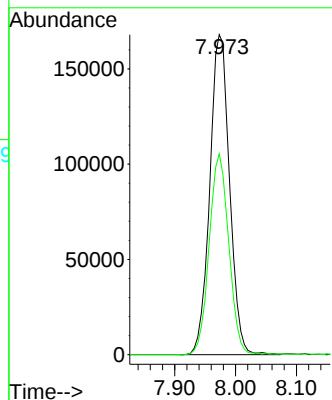
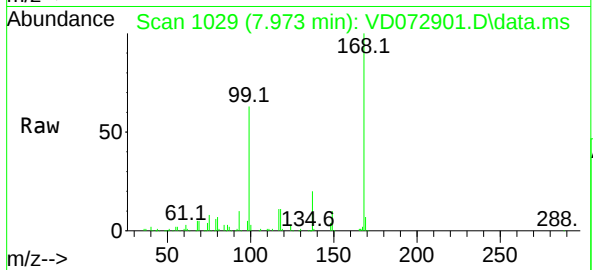




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

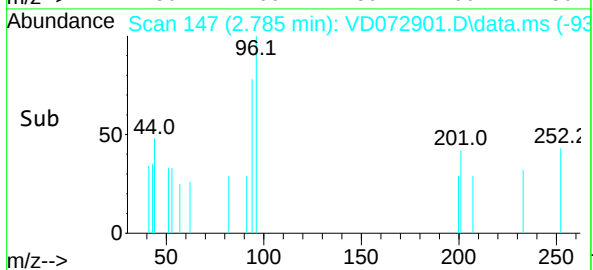
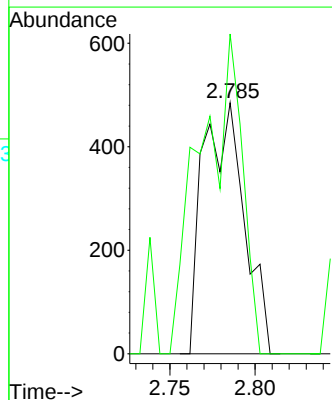
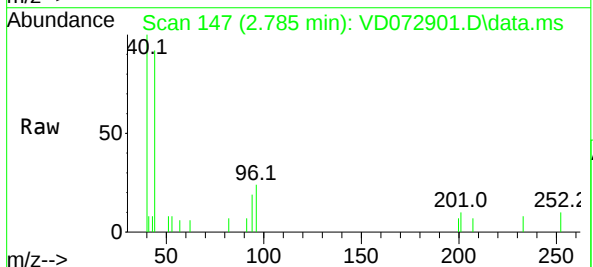
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

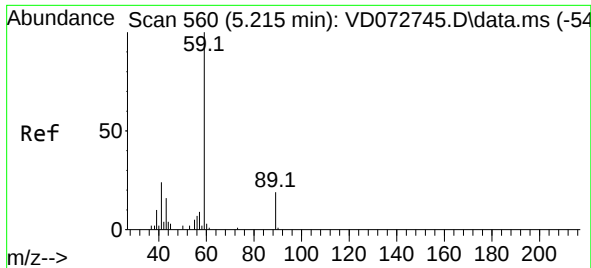
Tgt Ion:168 Resp: 378402
Ion Ratio Lower Upper
168 100
99 62.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

Tgt Ion: 94 Resp: 819
Ion Ratio Lower Upper
94 100
96 127.4 77.6 116.4#

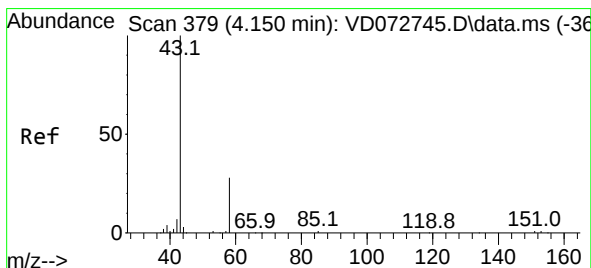
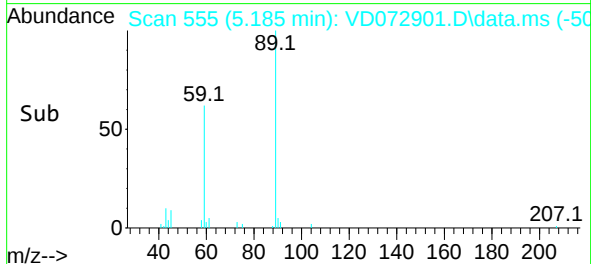
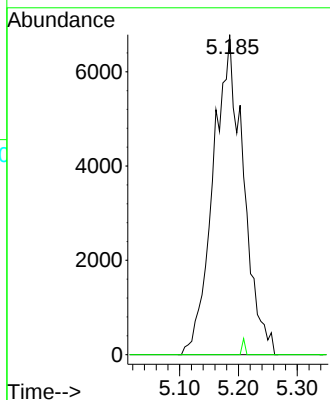
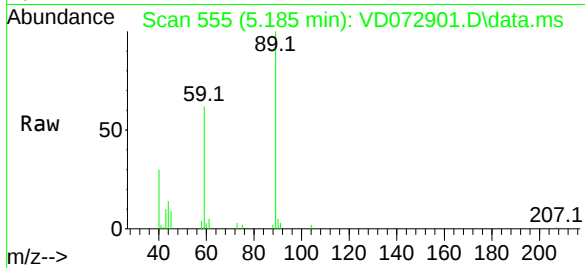




#11
Tert butyl alcohol
Concen: 56.868 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

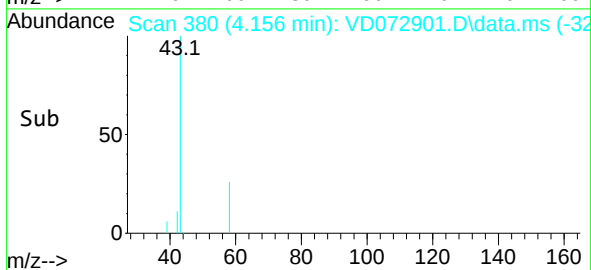
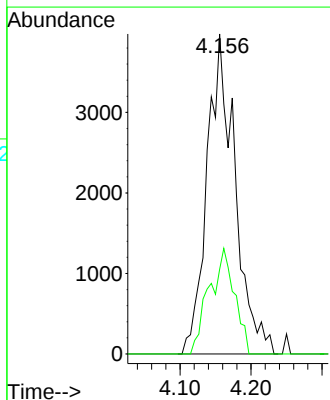
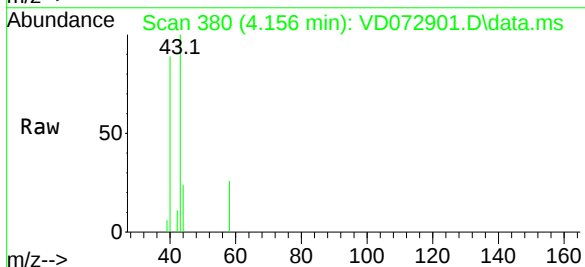
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

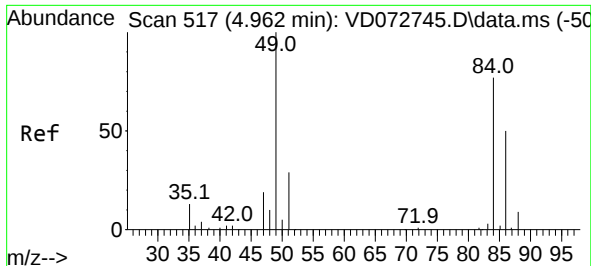
Tgt Ion: 59 Resp: 24168
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

Tgt Ion: 43 Resp: 10853
Ion Ratio Lower Upper
43 100
58 26.4 22.1 33.1



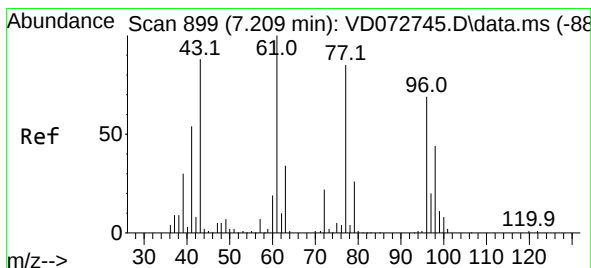
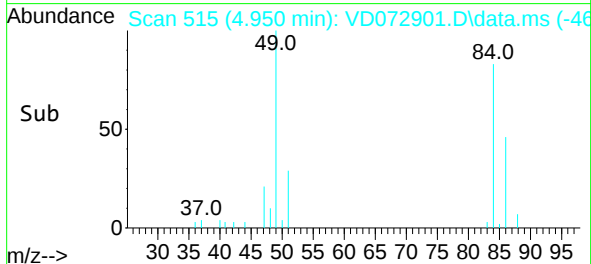
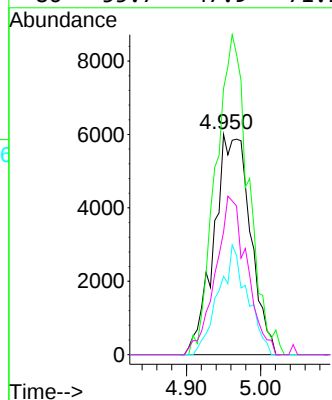
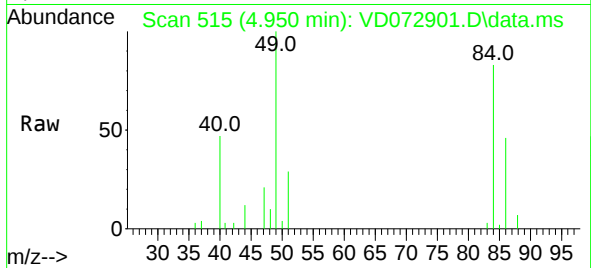


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

Instrument :
MSVOA_D
ClientSampleId :
MH-29D

Tgt Ion: 84 Resp: 20469

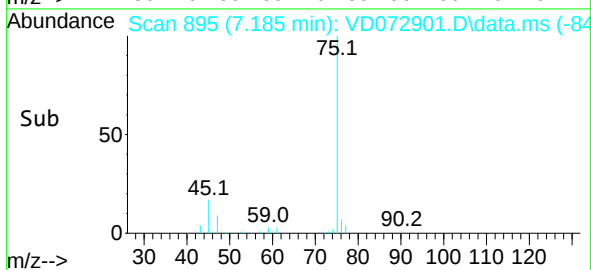
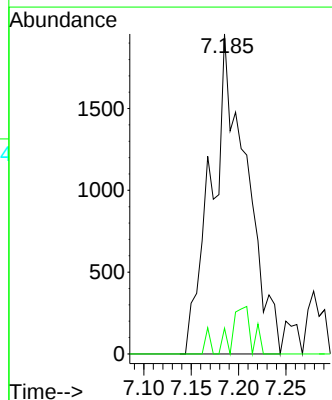
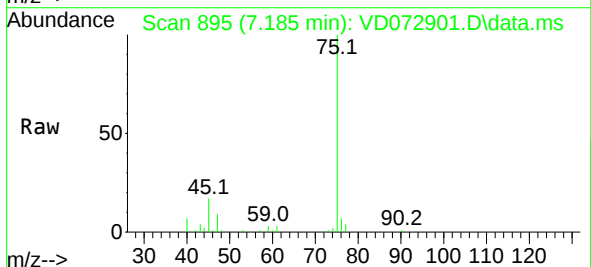
Ion	Ratio	Lower	Upper
84	100		
49	120.8	112.8	169.2
51	35.6	32.6	48.8
86	55.7	47.9	71.9

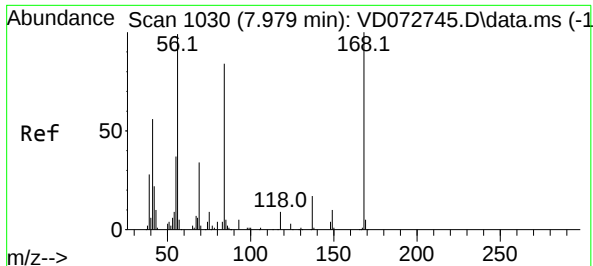


#25
2-Butanone
Concen: 3.527 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

Tgt Ion: 43 Resp: 5048

Ion	Ratio	Lower	Upper
43	100		
72	8.0	18.6	27.8

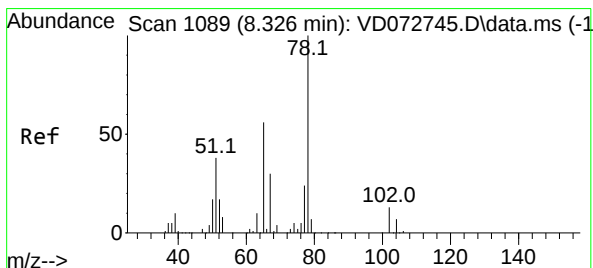
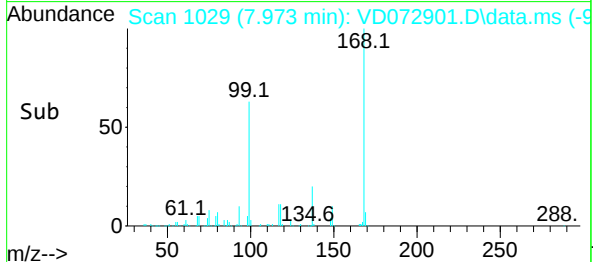
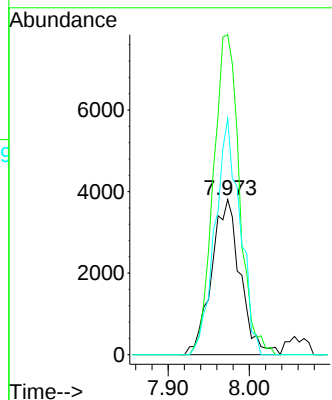
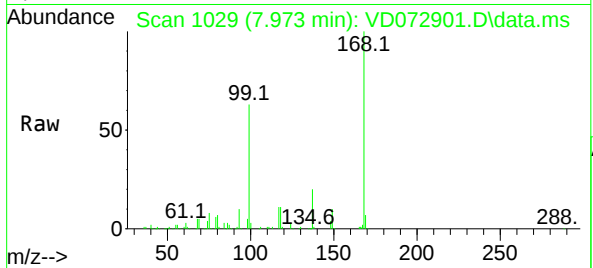




#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

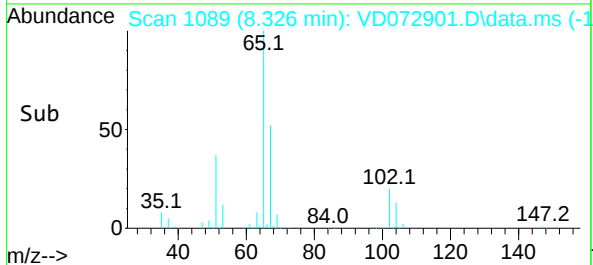
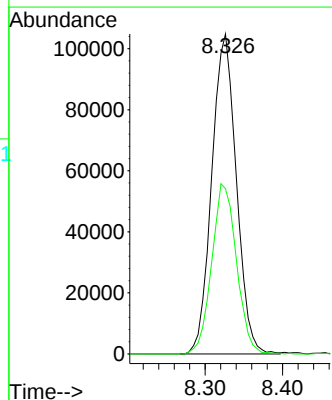
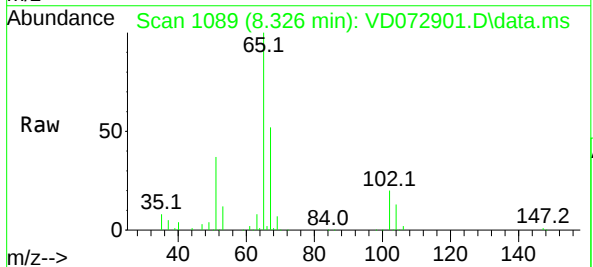
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

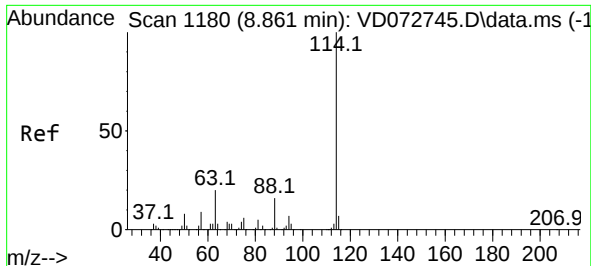
Tgt Ion: 56 Resp: 9336
Ion Ratio Lower Upper
56 100
69 206.1 25.4 38.2#
84 152.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 46.991 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

Tgt Ion: 65 Resp: 230818
Ion Ratio Lower Upper
65 100
67 53.7 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: VD072901.D

Acq: 09 May 2022 20:13

Instrument :

MSVOA_D

ClientSampleId :

MH-29D

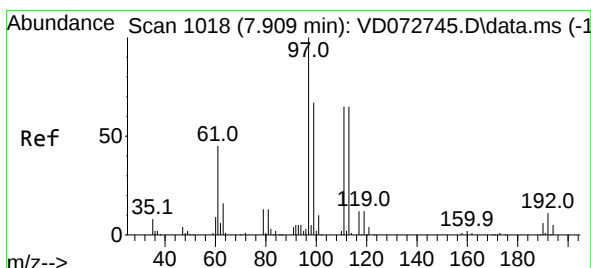
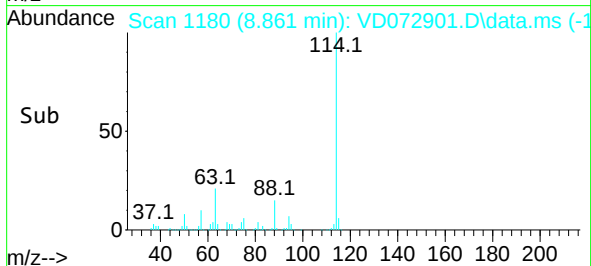
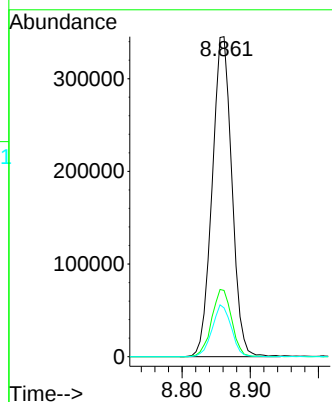
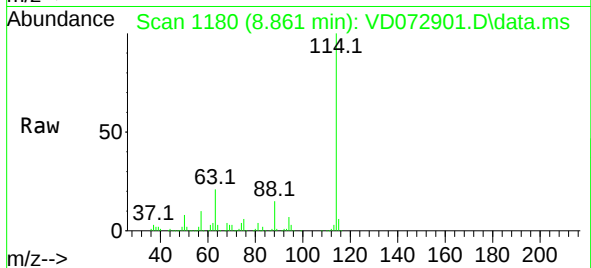
Tgt Ion:114 Resp: 694633

Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.624 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072901.D

Acq: 09 May 2022 20:13

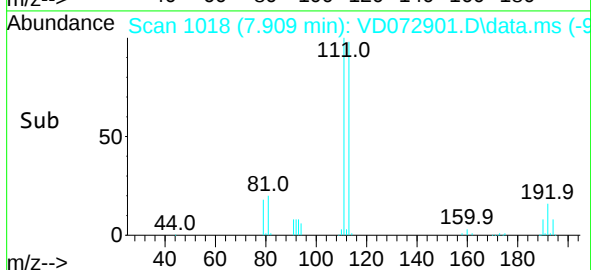
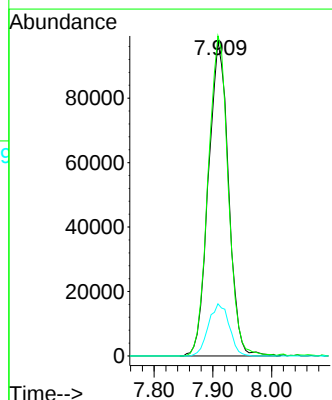
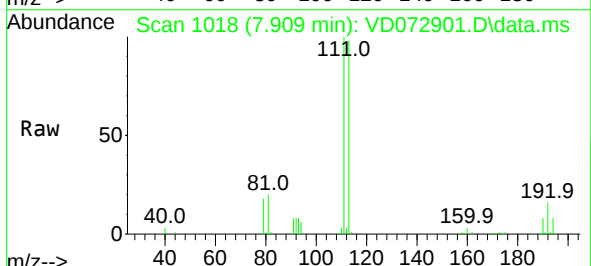
Tgt Ion:113 Resp: 232334

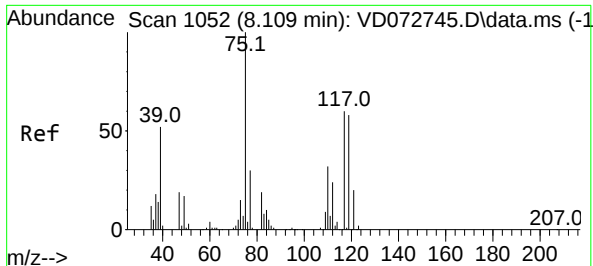
Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 17.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.307 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.142 min

Lab File: VD072901.D

Acq: 09 May 2022 20:13

Instrument :

MSVOA_D

ClientSampleId :

MH-29D

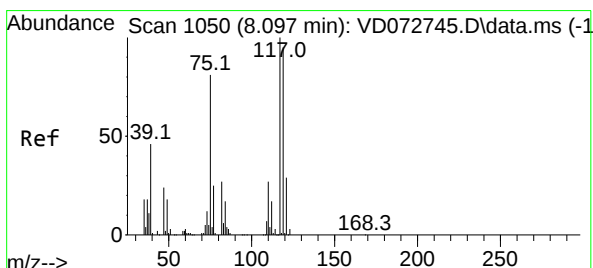
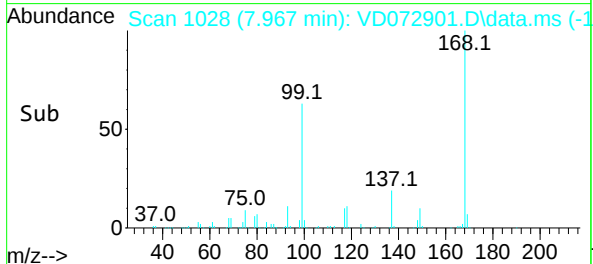
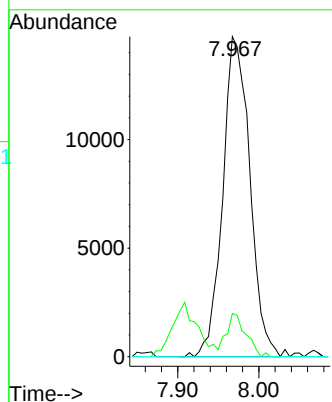
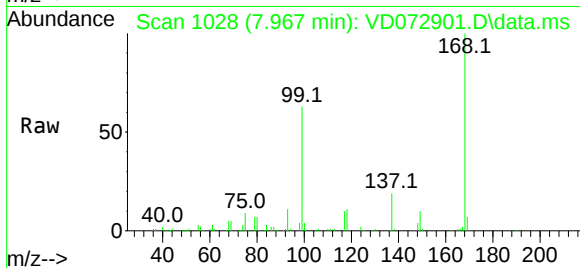
Tgt Ion: 75 Resp: 34169

Ion Ratio Lower Upper

75 100

110 9.7 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.949 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD072901.D

Acq: 09 May 2022 20:13

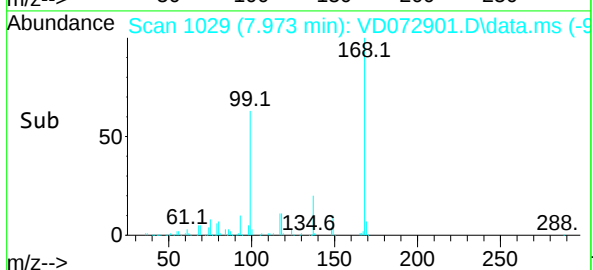
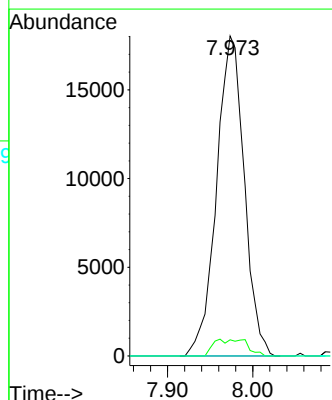
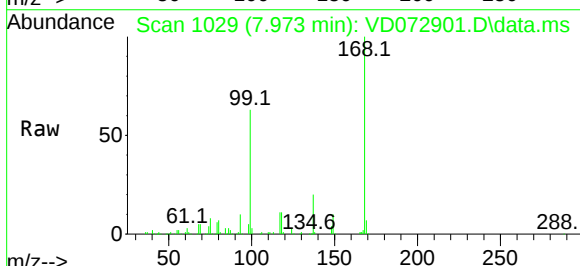
Tgt Ion: 117 Resp: 40754

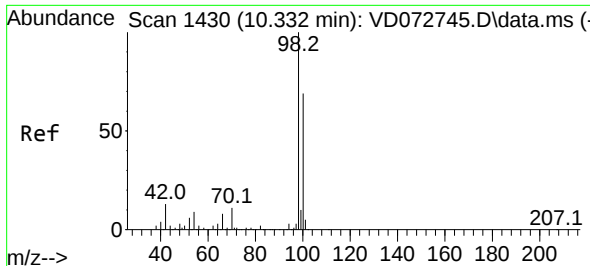
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.5 36.7#

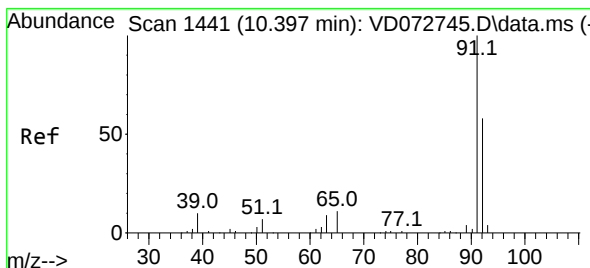
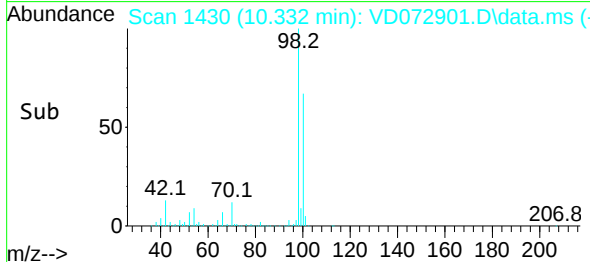
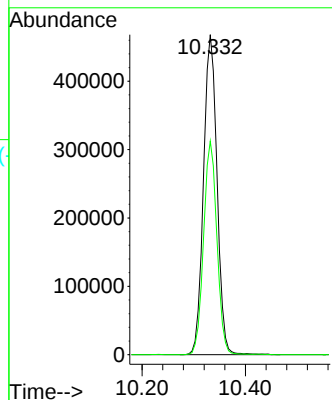
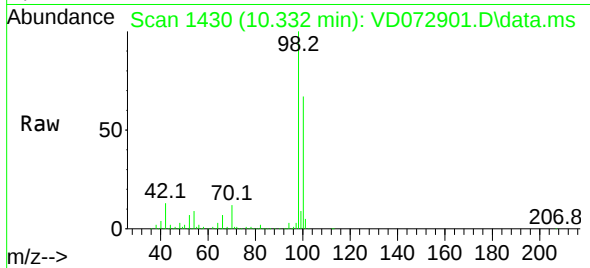




#50
Toluene-d8
Concen: 48.494 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

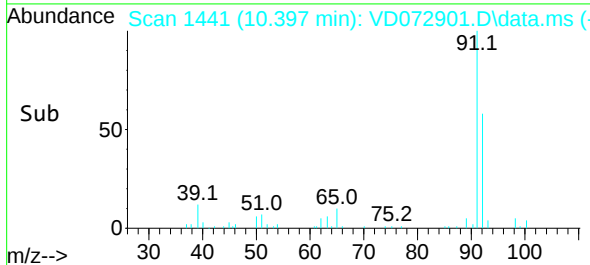
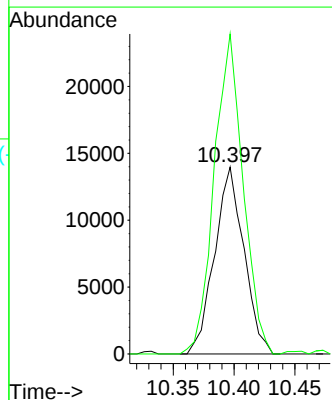
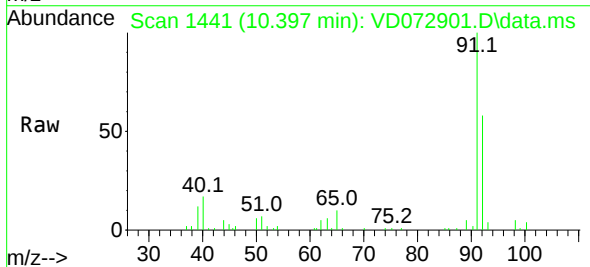
Instrument :
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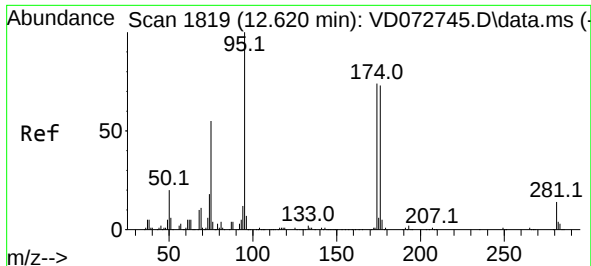
Tgt Ion: 98 Resp: 848619
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6



#52
Toluene
Concen: 1.640 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

Tgt Ion: 92 Resp: 23434
Ion Ratio Lower Upper
92 100
91 168.4 139.6 209.4

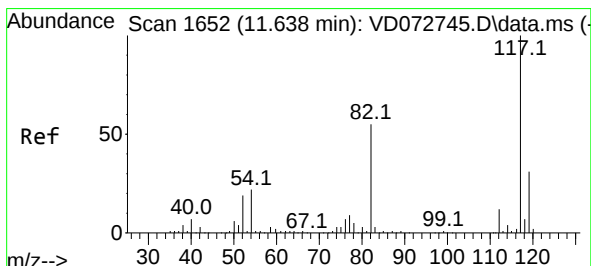
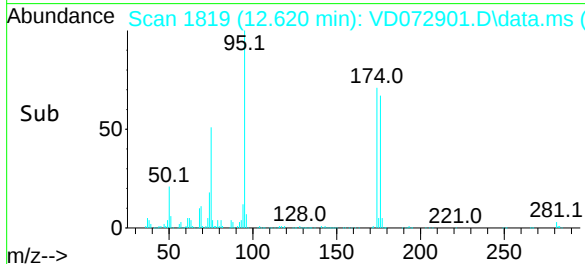
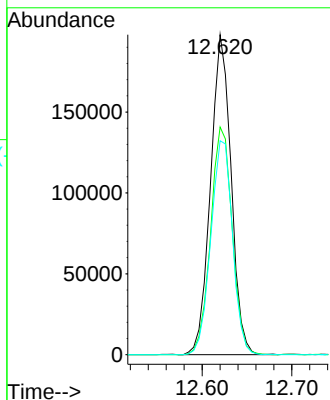
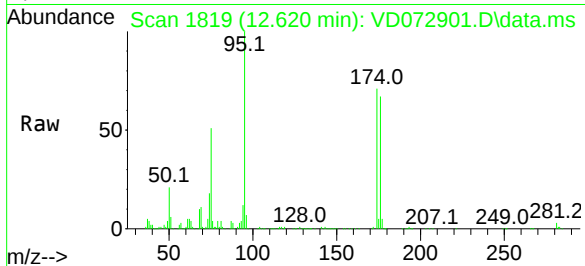




#62
4-Bromofluorobenzene
Concen: 48.196 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

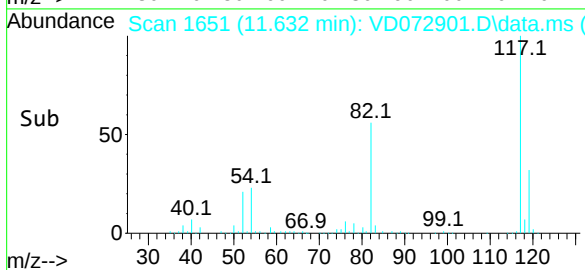
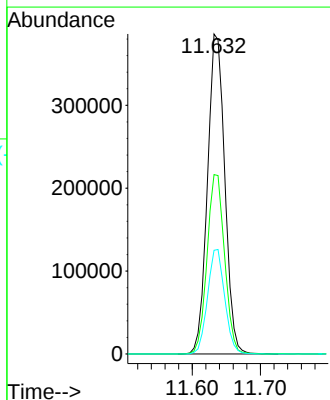
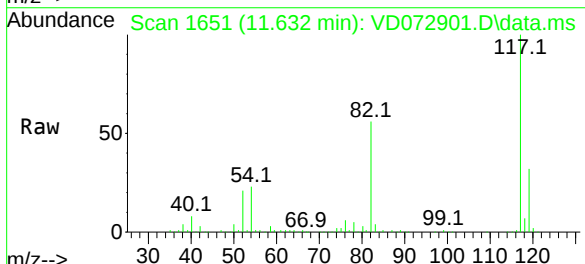
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

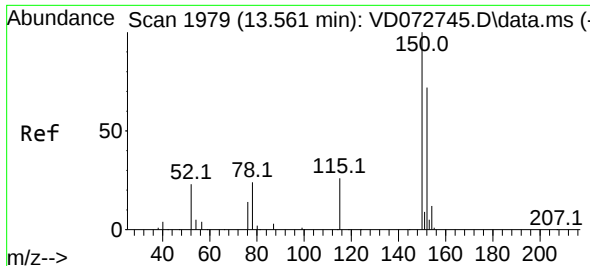
Tgt Ion: 95 Resp: 314487
Ion Ratio Lower Upper
95 100
174 74.6 0.0 152.8
176 70.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

Tgt Ion: 117 Resp: 682126
Ion Ratio Lower Upper
117 100
82 56.1 45.3 67.9
119 32.4 26.6 40.0

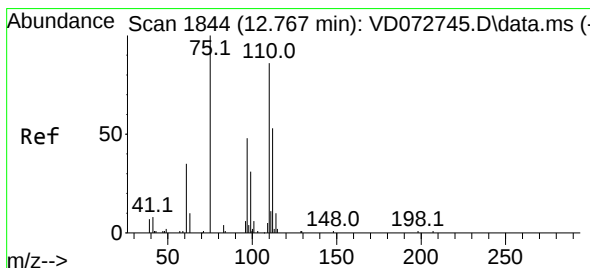
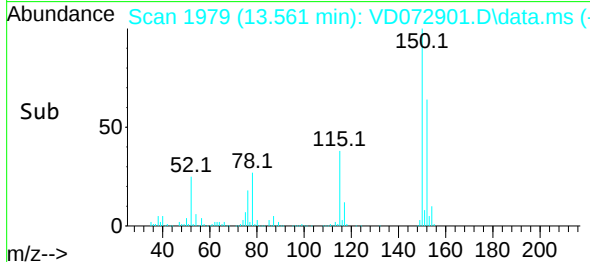
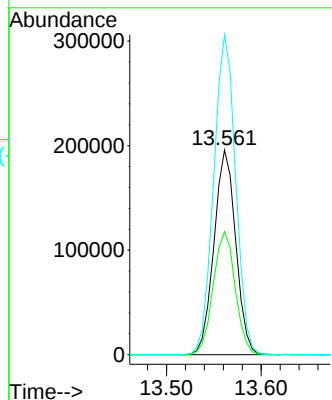
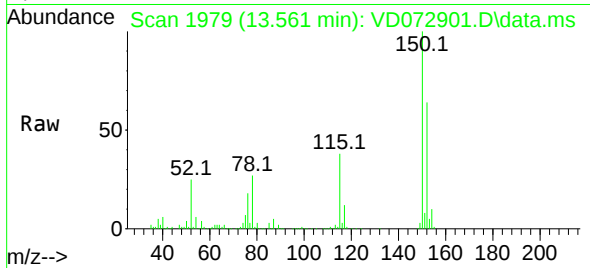




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

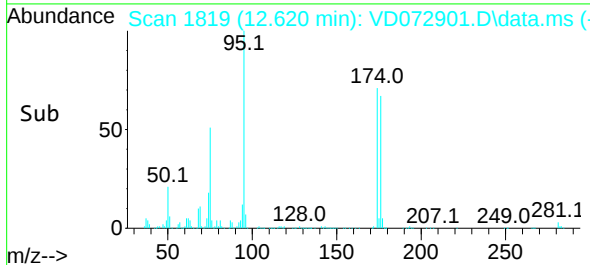
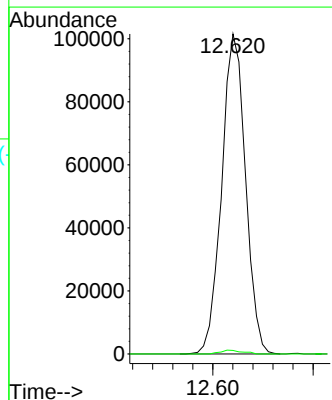
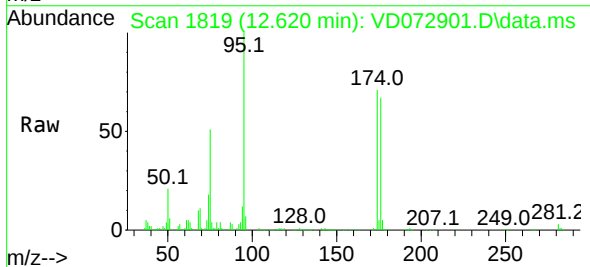
Instrument :
MSVOA_D
ClientSampleId :
MH-29D

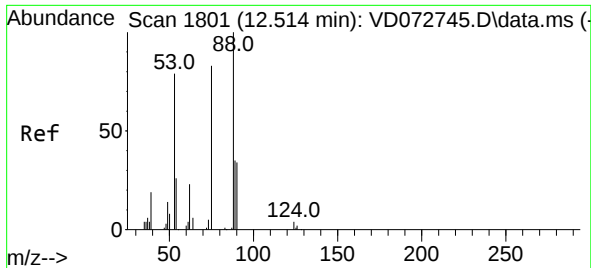
Tgt Ion:152 Resp: 312114
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 157.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 48.079 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072901.D
Acq: 09 May 2022 20:13

Tgt Ion: 75 Resp: 167329
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.563 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072901.D
 Acq: 09 May 2022 20:13

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-29D

Tgt Ion: 75 Resp: 167329
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.1 33.9 50.9#

