

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051022\
 Data File : VD072914.D
 Acq On : 10 May 2022 15:06
 Operator : VA/SY
 Sample : N2745-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-31S

Quant Time: May 11 05:51:26 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)

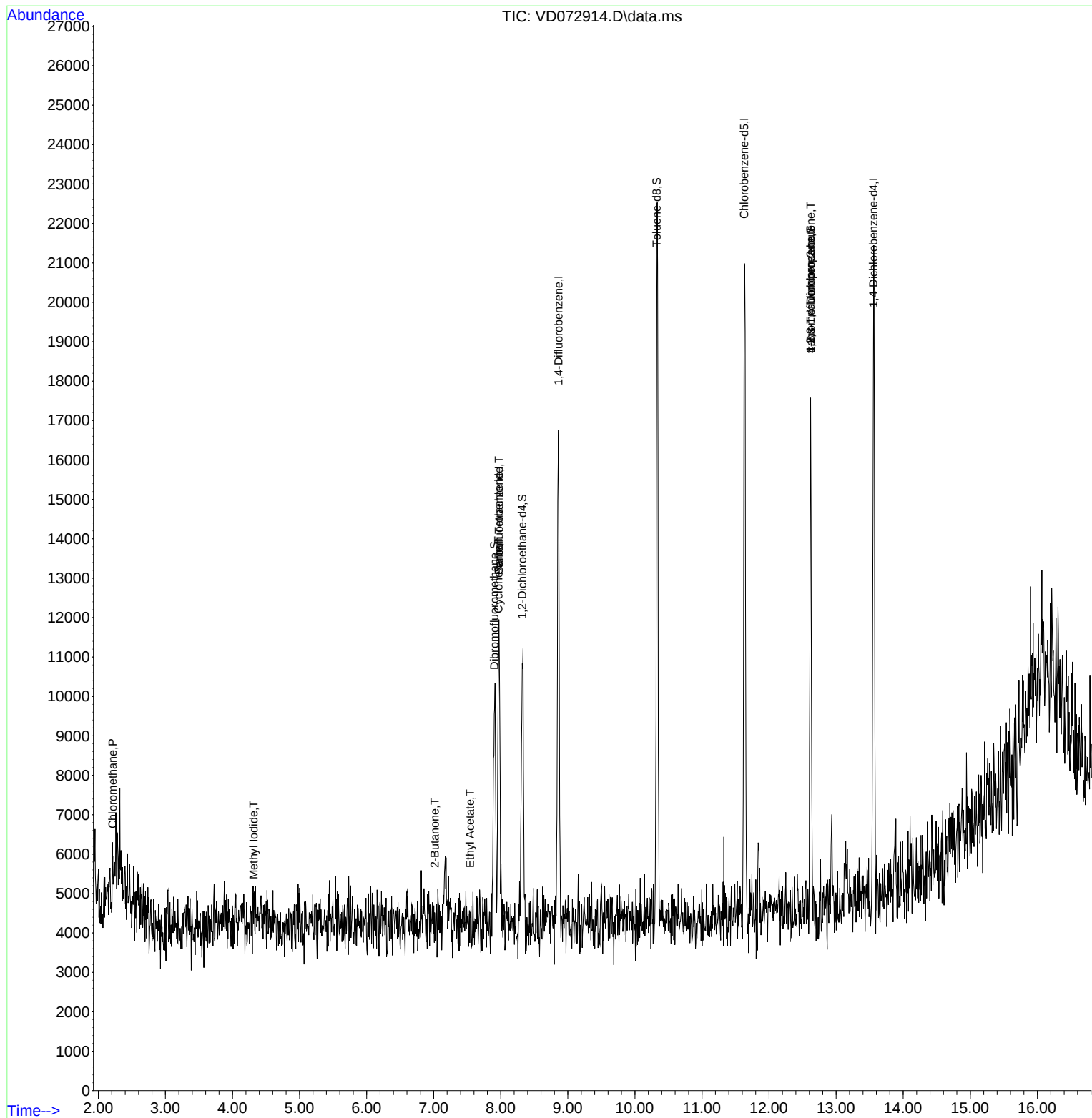
Internal Standards						
1) Pentafluorobenzene	7.973	168	6594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	10989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	11394	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	4248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	5459	63.777	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.560%	
35) Dibromofluoromethane	7.902	113	5121	66.354	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.700%	
50) Toluene-d8	10.326	98	11823	42.707	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 85.420%	
62) 4-Bromofluorobenzene	12.620	95	4595	44.514	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	205	2.163	ug/l #	40
5) Bromomethane	2.773	94	72	Below Cal	#	1
10) Methyl Iodide	4.314	142	129	1.454	ug/l #	38
16) Acetone	4.138	43	173	Below Cal	#	47
20) Methylene Chloride	4.997	84	54	Below Cal	#	2
25) 2-Butanone	7.014	43	61	2.446	ug/l #	52
31) Cyclohexane	7.967	56	166	1.109	ug/l #	19
37) Ethyl Acetate	7.544	43	82	1.421	ug/l #	72
38) Carbon Tetrachloride	7.973	117	589	4.521	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	2660	56.156	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	2660	129.136	ug/l #	7

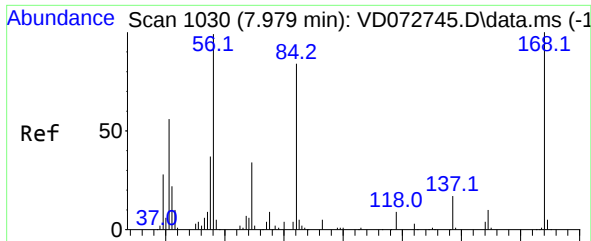
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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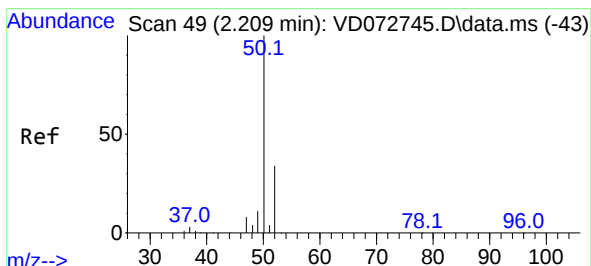
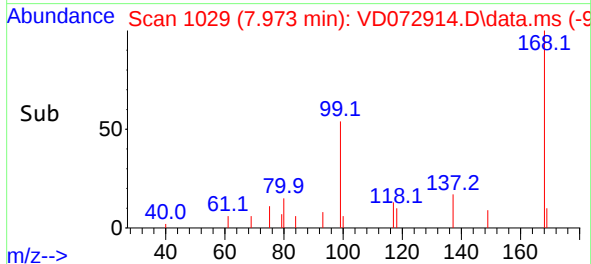
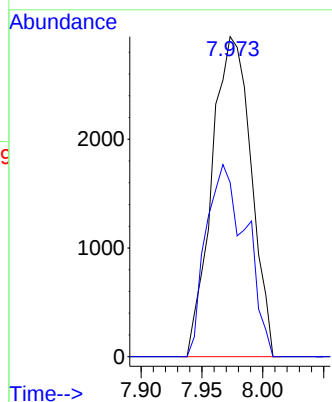
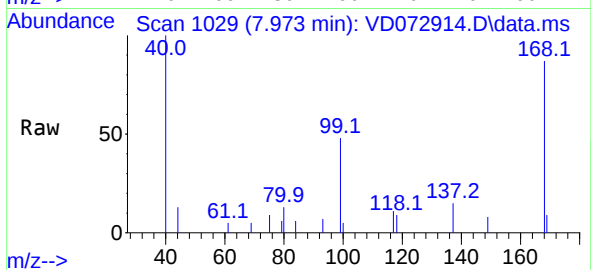




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

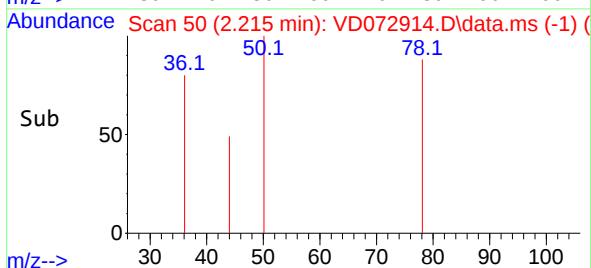
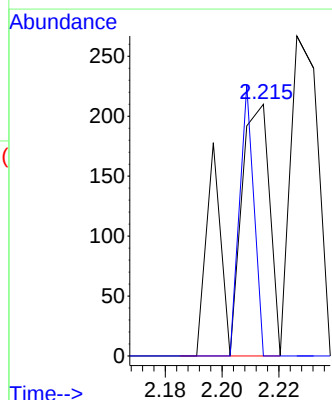
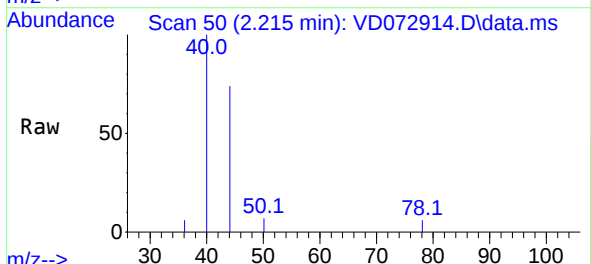
Instrument :
MSVOA_D
ClientSampleId :
MH-31S

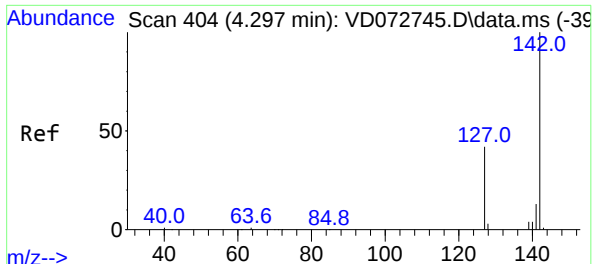
Tgt Ion:168 Resp: 6594
Ion Ratio Lower Upper
168 100
99 54.5 49.8 74.6



#3
Chloromethane
Concen: 2.163 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

Tgt Ion: 50 Resp: 205
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

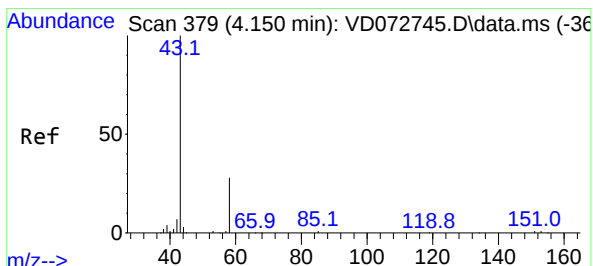
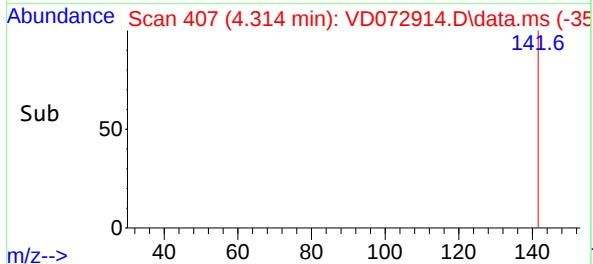
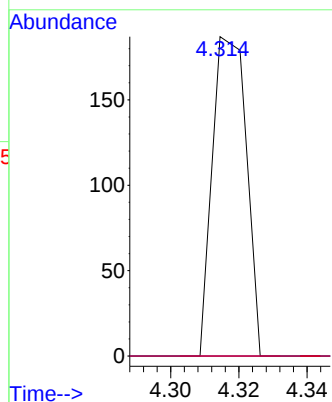
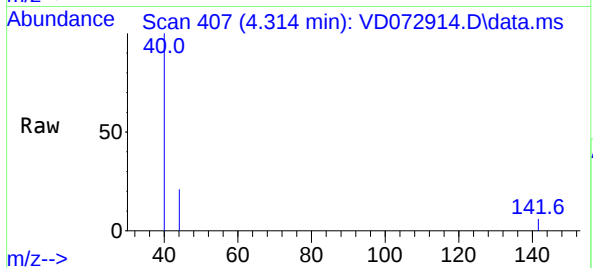




#10
Methyl Iodide
Concen: 1.454 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

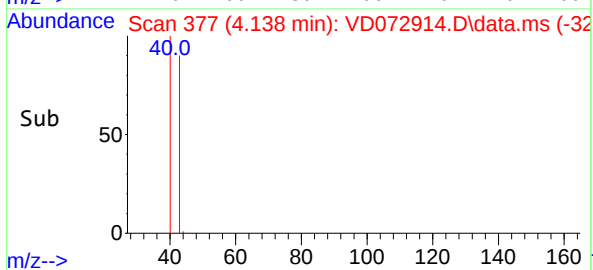
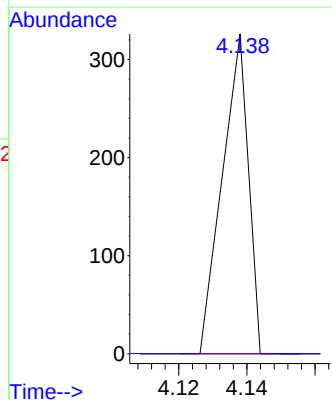
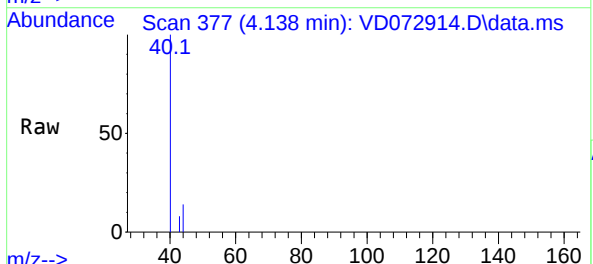
Instrument :
MSVOA_D
ClientSampleId :
MH-31S

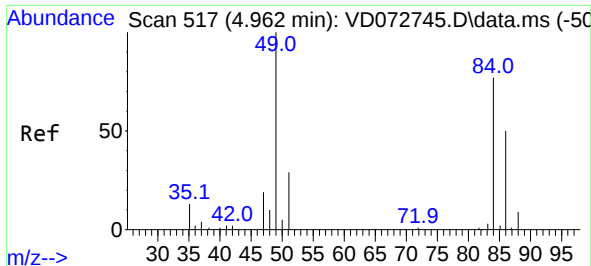
Tgt Ion:142 Resp: 129
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#



#16
Acetone
Concen: Below Cal
RT: 4.138 min Scan# 377
Delta R.T. -0.012 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.997 min Scan# 51

Delta R.T. 0.035 min

Lab File: VD072914.D

Acq: 10 May 2022 15:06

Instrument :

MSVOA_D

ClientSampleId :

MH-31S

Tgt Ion: 84 Resp: 54

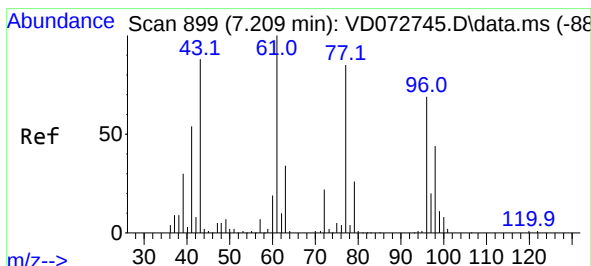
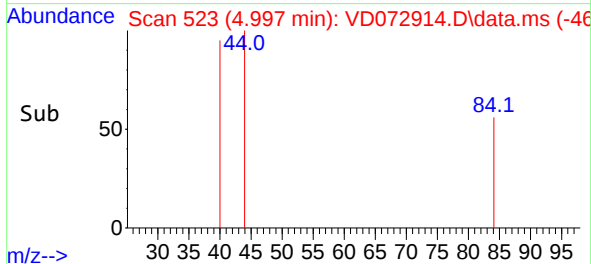
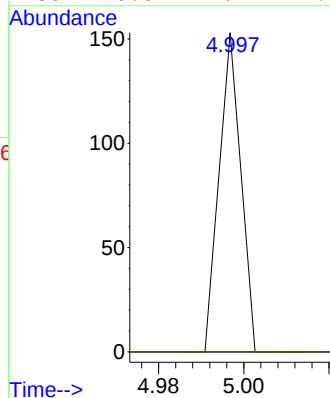
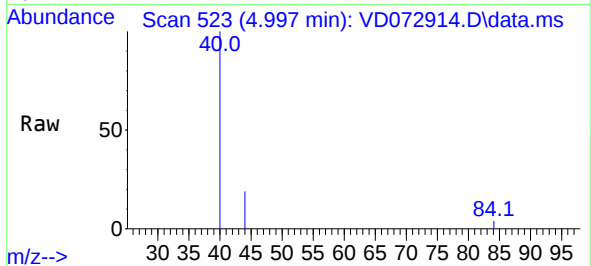
Ion Ratio Lower Upper

84 100

49 0.0 112.8 169.2#

51 0.0 32.6 48.8#

86 0.0 47.9 71.9#



#25

2-Butanone

Concen: 2.446 ug/l

RT: 7.014 min Scan# 866

Delta R.T. -0.195 min

Lab File: VD072914.D

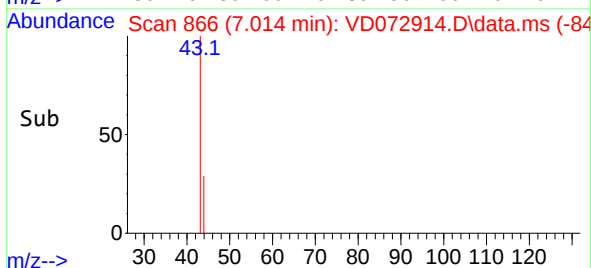
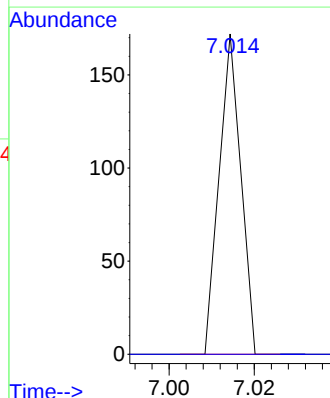
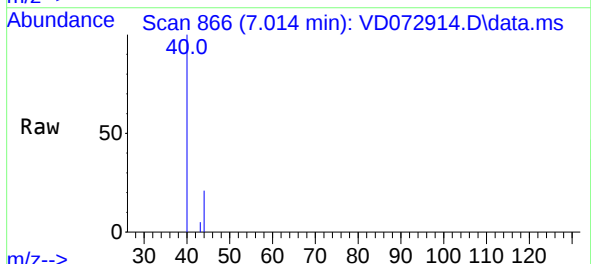
Acq: 10 May 2022 15:06

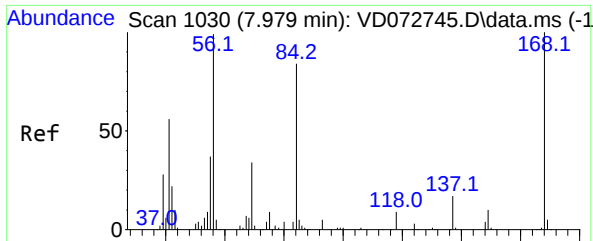
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

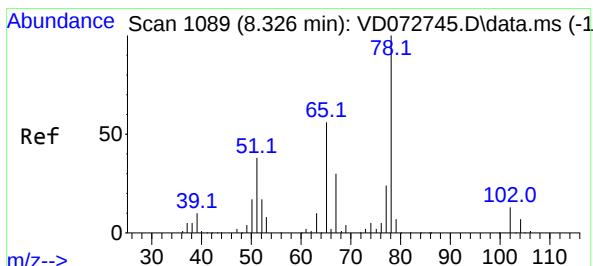
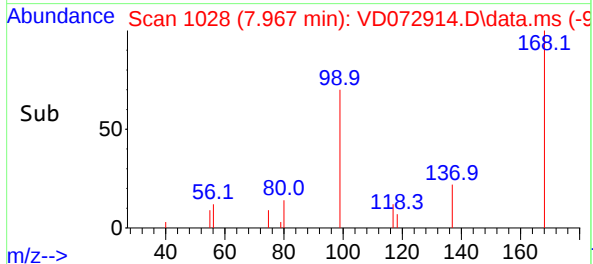
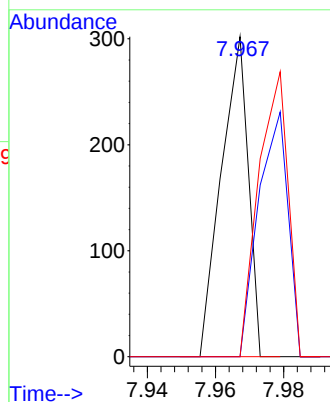
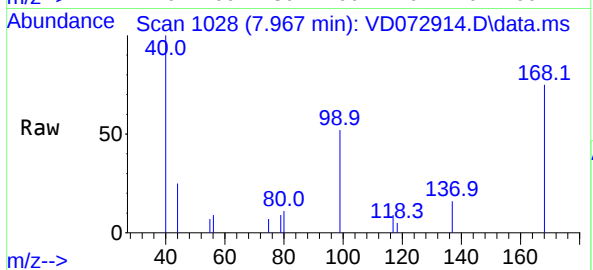




#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

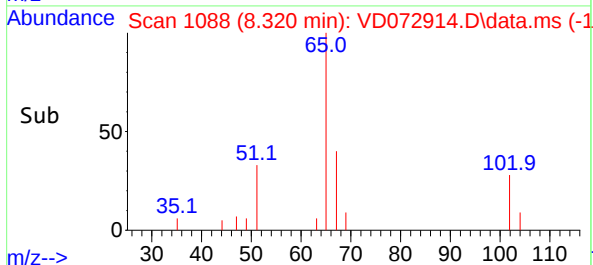
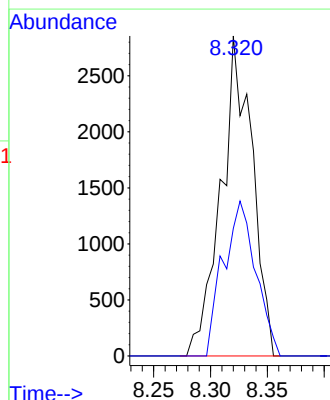
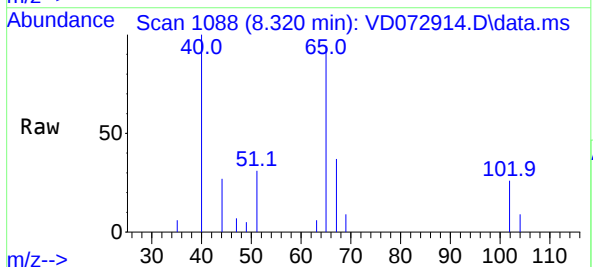
Instrument :
MSVOA_D
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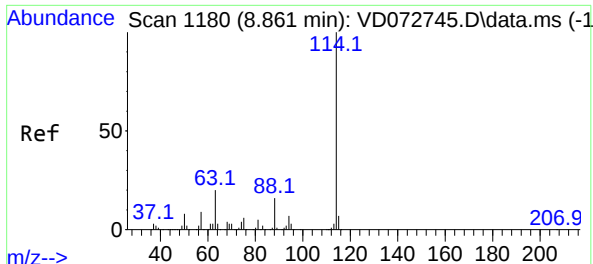
Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
69 0.0 25.4 38.2#
84 0.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 63.777 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

Tgt Ion: 65 Resp: 5459
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.4

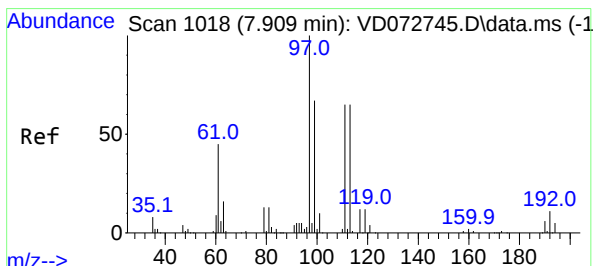
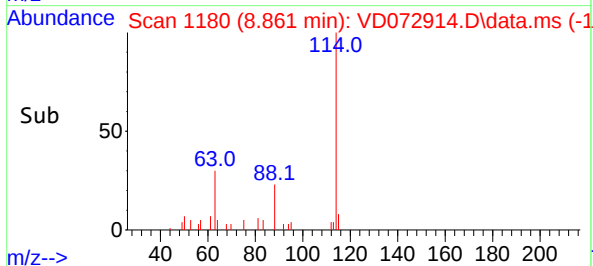
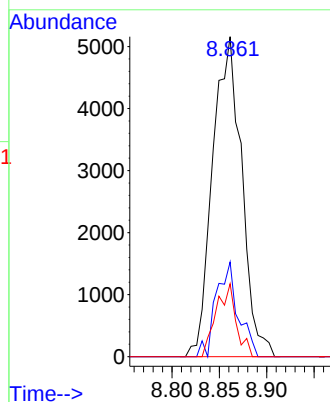
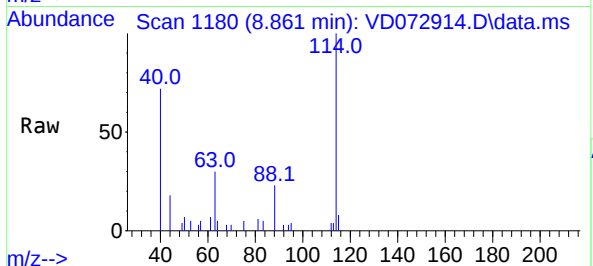




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

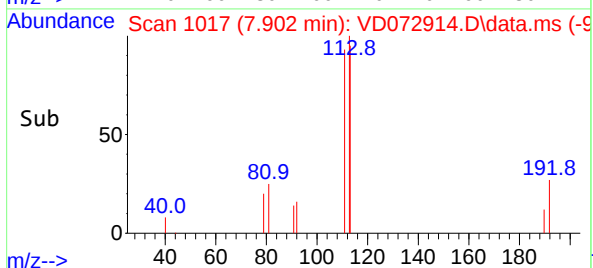
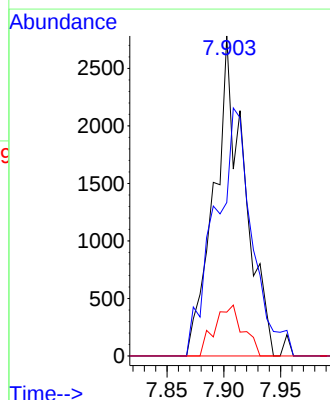
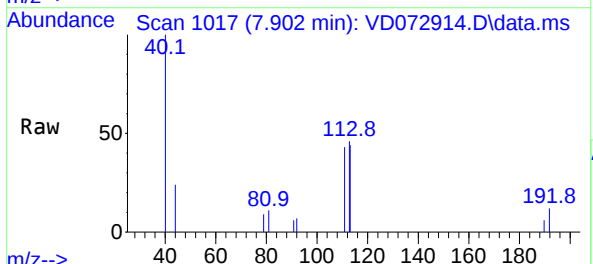
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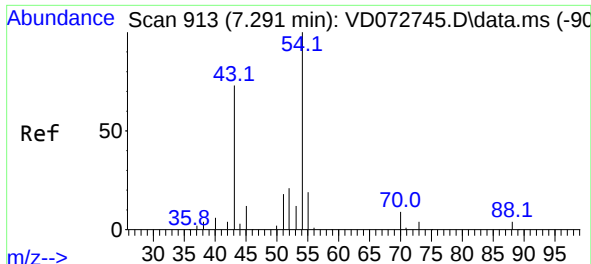
Tgt Ion:	114	Resp:	10989
Ion Ratio	Lower	Upper	
114	100		
63	29.6	0.0	46.6
88	22.8	0.0	33.2



#35
Dibromofluoromethane
Concen: 66.354 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

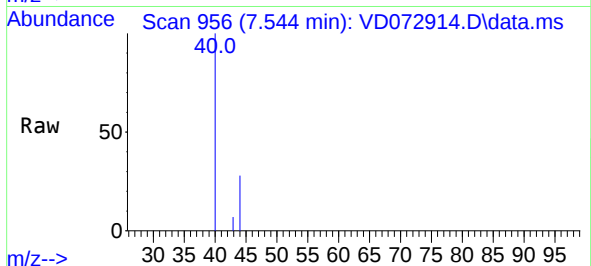
Tgt Ion:	113	Resp:	5121
Ion Ratio	Lower	Upper	
113	100		
111	95.3	83.8	125.6
192	15.0	14.6	21.8



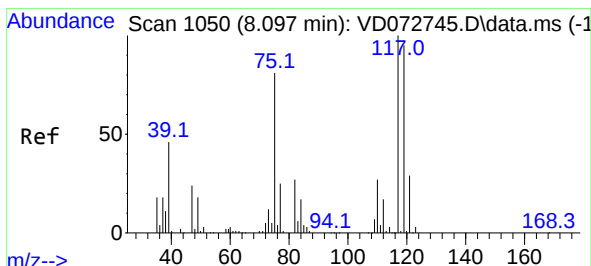
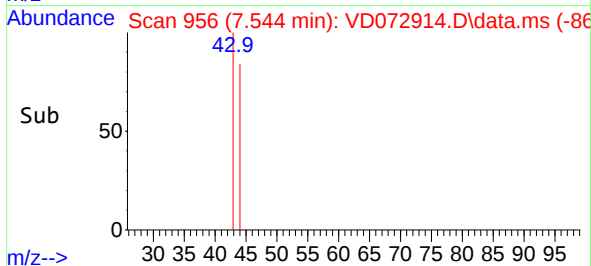
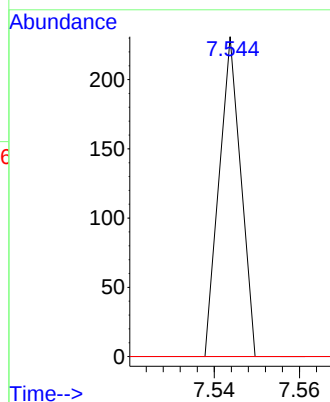


#37
Ethyl Acetate
Concen: 1.421 ug/l
RT: 7.544 min Scan# 913
Delta R.T. 0.253 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

Instrument :
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ClientSampleId :
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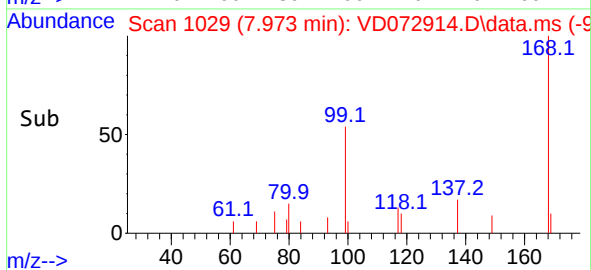
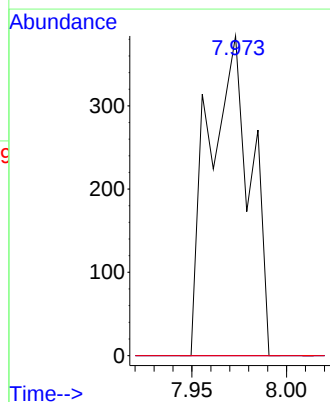
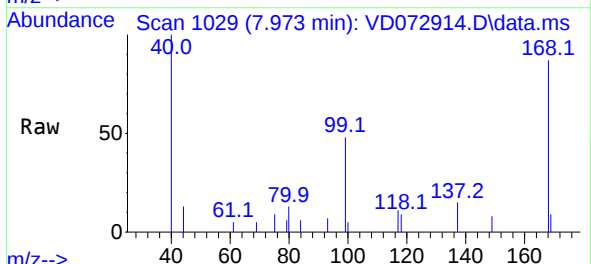


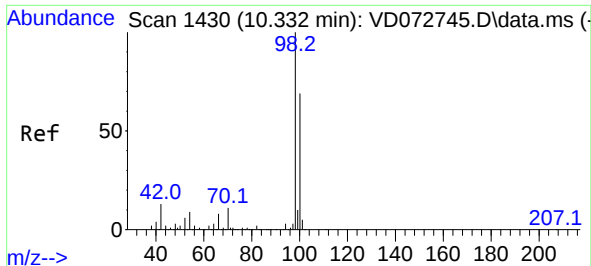
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 4.521 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

Tgt Ion: 117 Resp: 589
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#

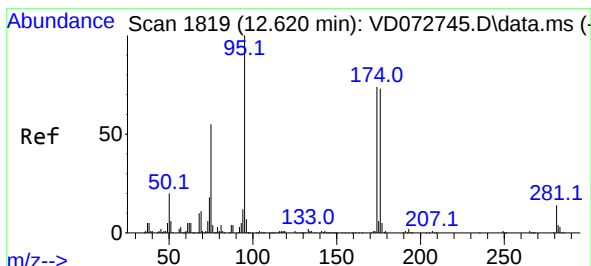
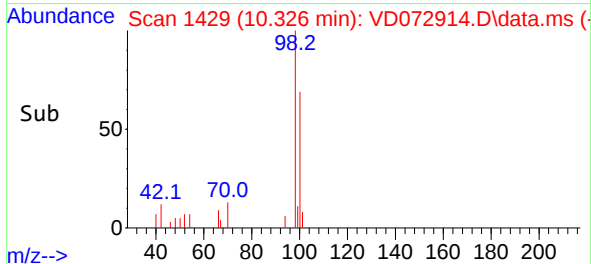
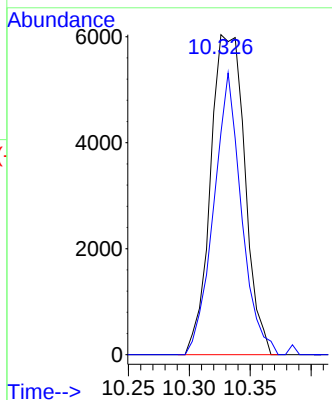
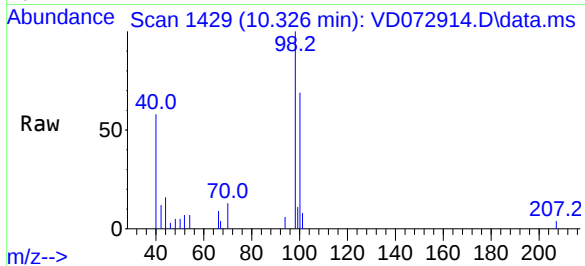




#50
Toluene-d8
Concen: 42.707 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

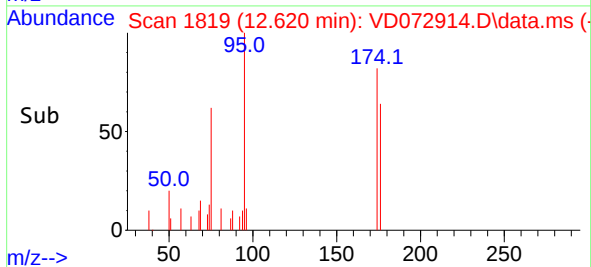
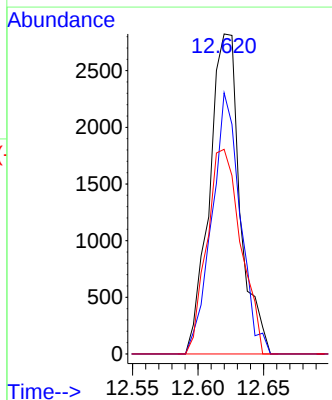
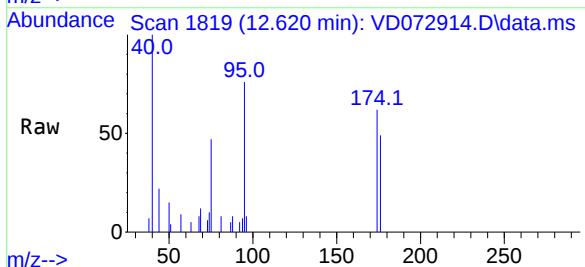
Instrument :
MSVOA_D
ClientSampleId :
MH-31S

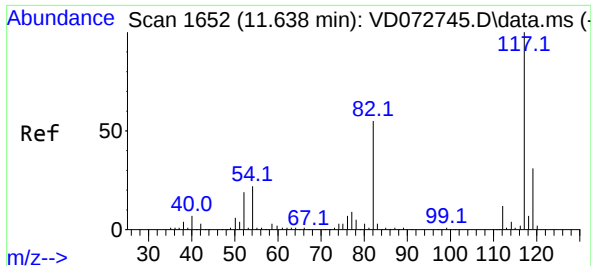
Tgt Ion: 98 Resp: 11823
Ion Ratio Lower Upper
98 100
100 71.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 44.514 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

Tgt Ion: 95 Resp: 4595
Ion Ratio Lower Upper
95 100
174 75.5 0.0 152.8
176 70.8 0.0 145.4

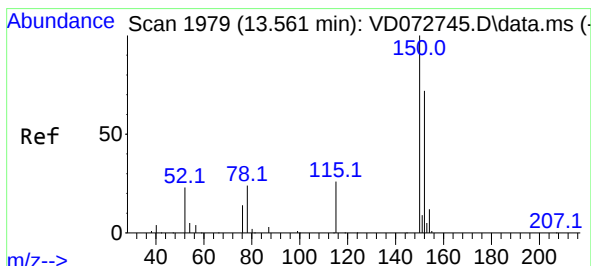
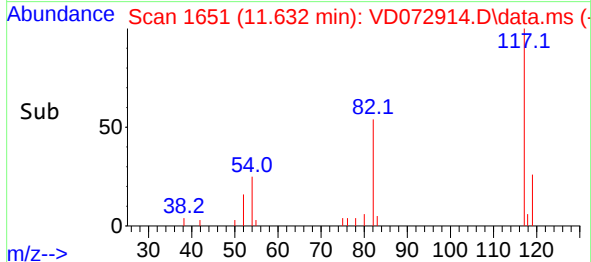
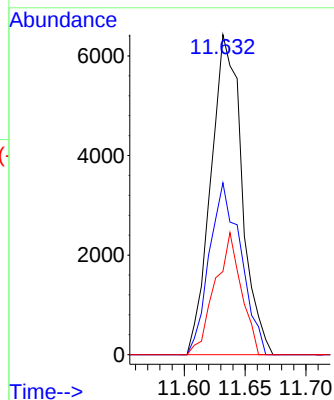
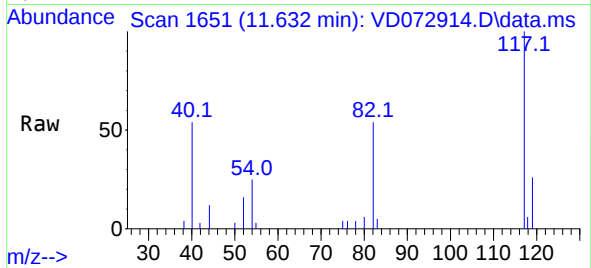




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

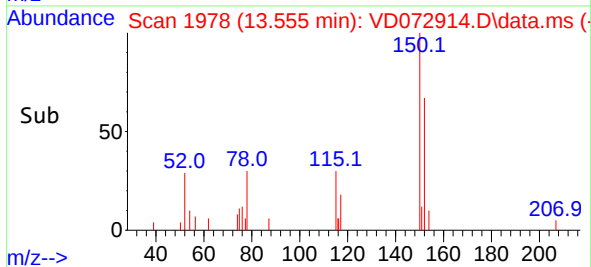
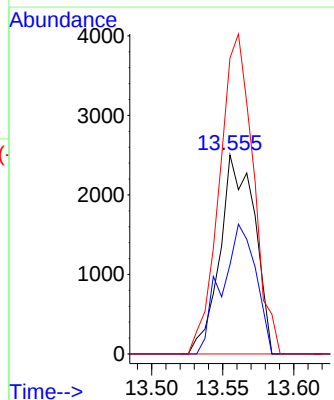
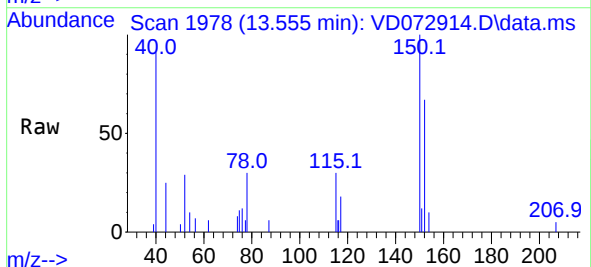
Instrument :
MSVOA_D
ClientSampleId :
MH-31S

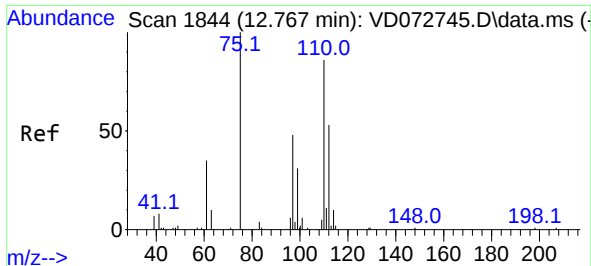
Tgt Ion:117 Resp: 11394
Ion Ratio Lower Upper
117 100
82 53.7 45.3 67.9
119 26.0 26.6 40.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

Tgt Ion:152 Resp: 4248
Ion Ratio Lower Upper
152 100
115 64.2 31.3 93.8
150 156.8 0.0 348.6

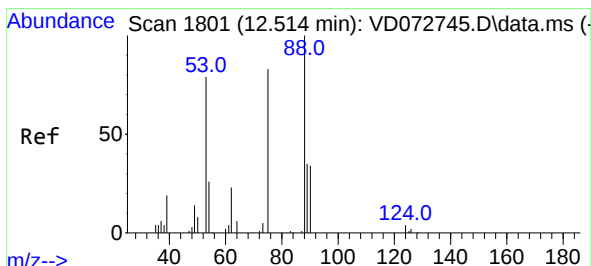
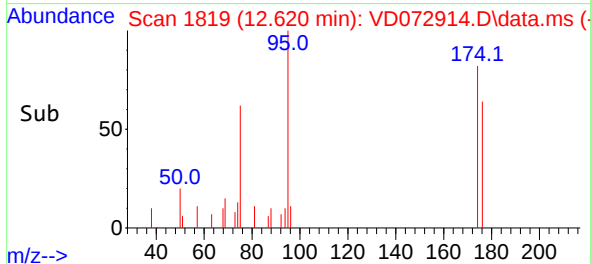
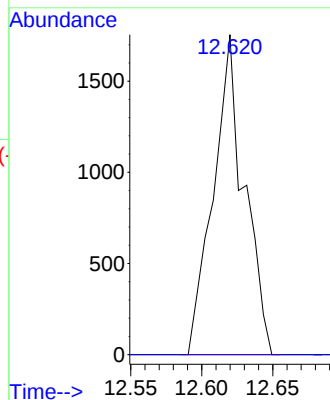
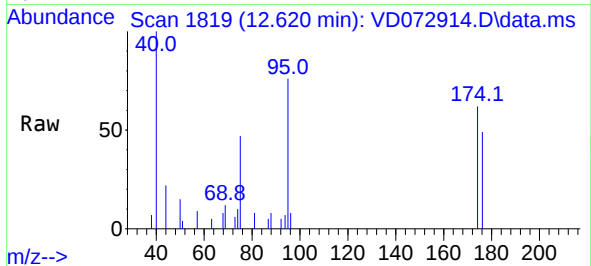




#76
1,2,3-Trichloropropane
Concen: 56.156 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

Instrument :
MSVOA_D
ClientSampleId :
MH-31S

Tgt Ion: 75 Resp: 2660
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 129.136 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072914.D
Acq: 10 May 2022 15:06

Tgt Ion: 75 Resp: 2660
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

