

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051823\
 Data File : VD076135.D
 Acq On : 18 May 2023 12:34
 Operator : KP/SY
 Sample : 02823-01
 Misc : 5.04G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-051723

Quant Time: May 19 01:52:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

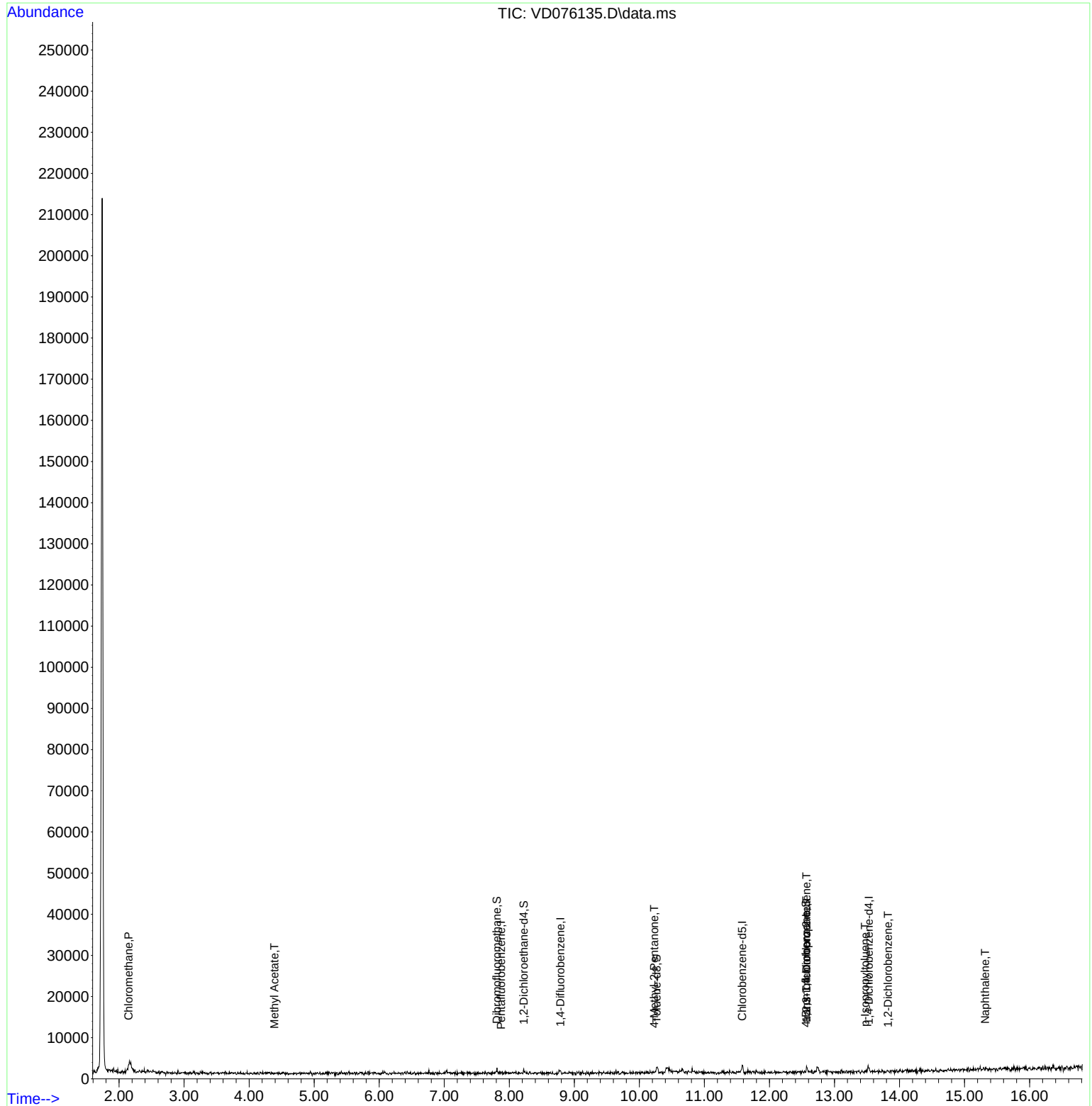
Internal Standards						
1) Pentafluorobenzene	7.875	168	298	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.787	114	1063	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.581	117	1361	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.528	152	488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	636	220.826	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 441.660%#	
35) Dibromofluoromethane	7.811	113	813	110.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 221.300%#	
50) Toluene-d8	10.263	98	1462	51.042	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.080%	
62) 4-Bromofluorobenzene	12.563	95	544	68.371	ug/l	-0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 136.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	193	43.114	ug/l	# 40
18) Methyl Acetate	4.387	43	55	26.907	ug/l	# 54
51) 4-Methyl-2-Pentanone	10.228	43	55	16.110	ug/l	# 38
76) 1,2,3-Trichloropropane	12.569	75	118	27.632	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	118	57.967	ug/l	# 5
86) p-Isopropyltoluene	13.469	119	53	1.838	ug/l	# 50
91) 1,2-Dichlorobenzene	13.822	146	54	3.517	ug/l	# 24
95) Naphthalene	15.316	128	341	20.551	ug/l	# 69

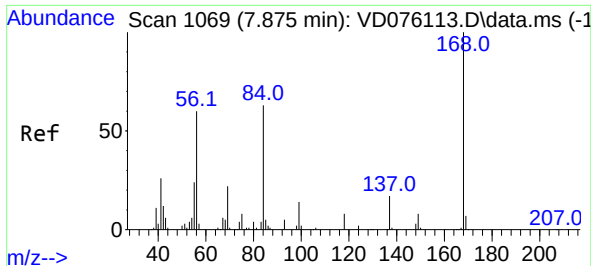
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

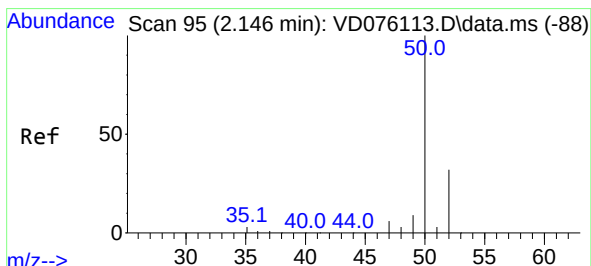
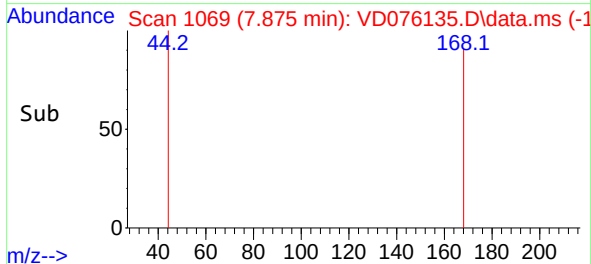
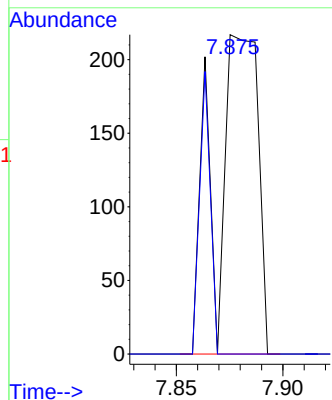
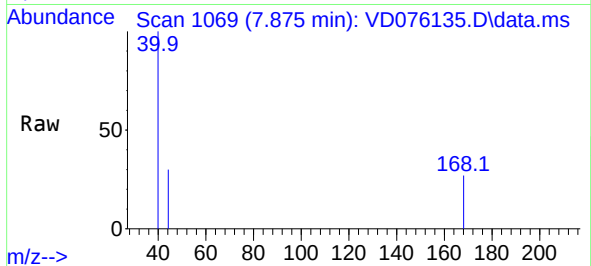




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

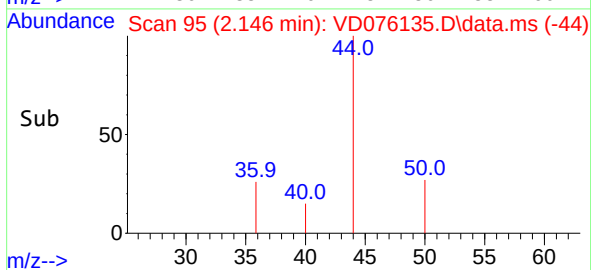
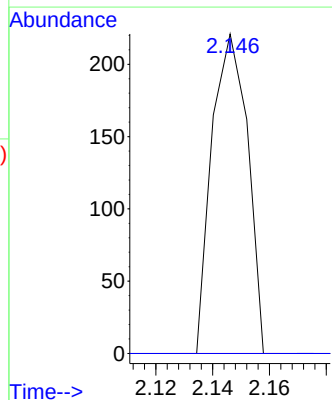
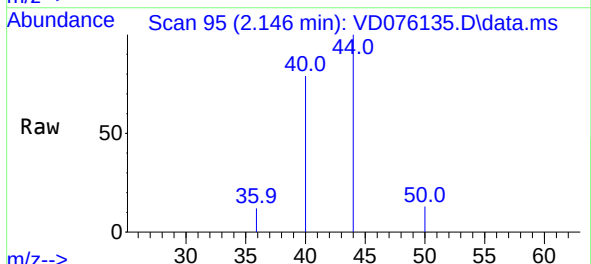
Instrument :
MSVOA_D
ClientSampleId :
HD-01-051723

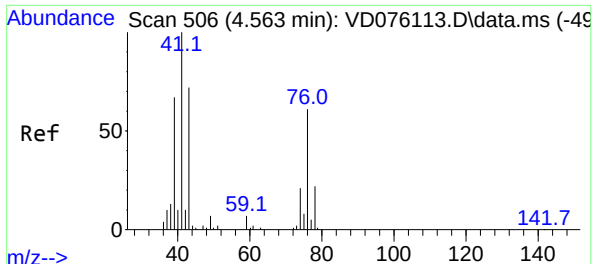
Tgt Ion:168 Resp: 298
Ion Ratio Lower Upper
168 100
99 0.0 43.8 65.6#



#3
Chloromethane
Concen: 43.114 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#





#18

Methyl Acetate

Concen: 26.907 ug/l

RT: 4.387 min Scan# 41

Delta R.T. -0.176 min

Lab File: VD076135.D

Acq: 18 May 2023 12:34

Instrument :

MSVOA_D

ClientSampleId :

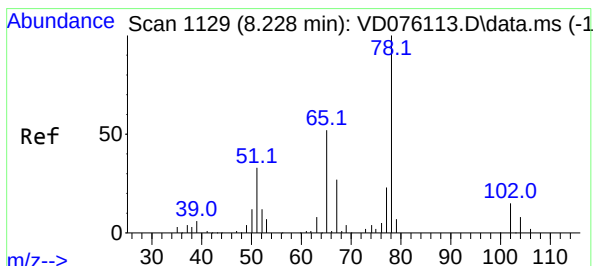
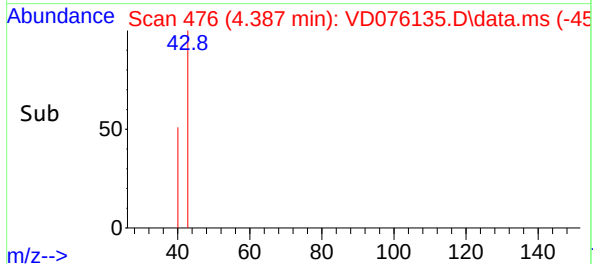
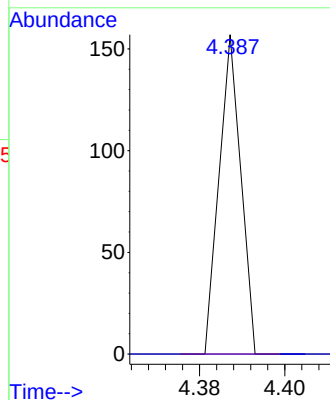
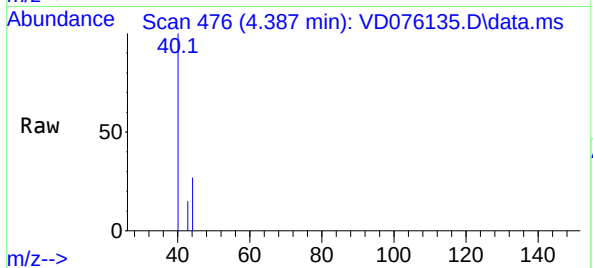
HD-01-051723

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.6#



#33

1,2-Dichloroethane-d4

Concen: 220.826 ug/l

RT: 8.222 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VD076135.D

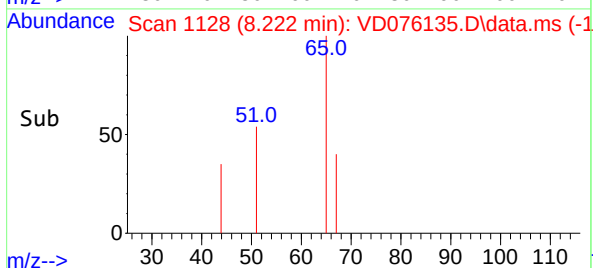
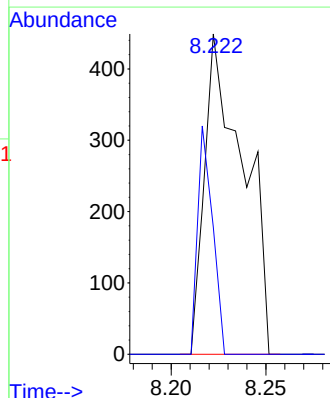
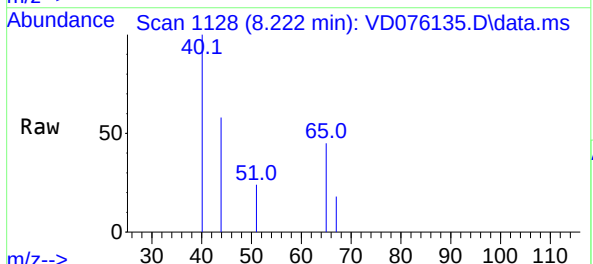
Acq: 18 May 2023 12:34

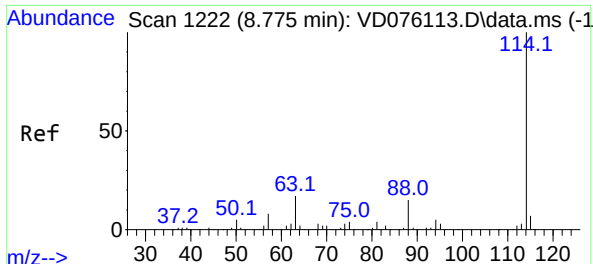
Tgt Ion: 65 Resp: 636

Ion Ratio Lower Upper

65 100

67 27.7 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.787 min Scan# 11

Delta R.T. 0.012 min

Lab File: VD076135.D

Acq: 18 May 2023 12:34

Instrument :

MSVOA_D

ClientSampleId :

HD-01-051723

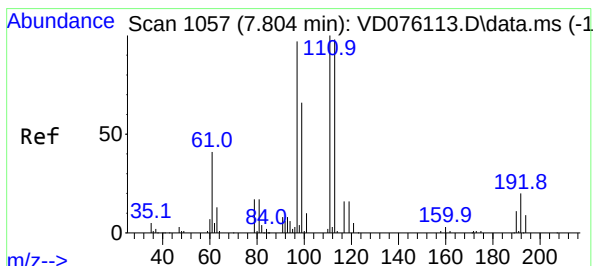
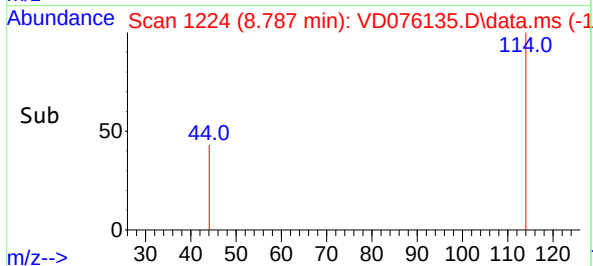
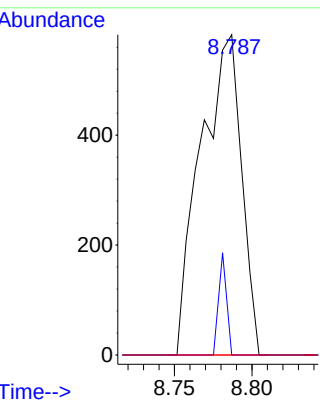
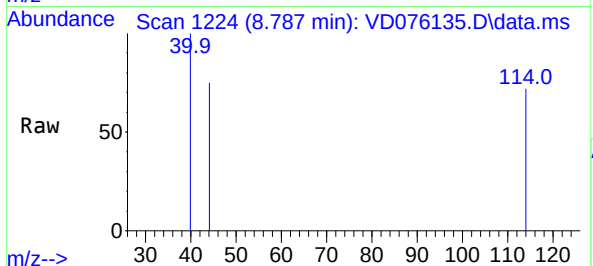
Tgt Ion:114 Resp: 1063

Ion Ratio Lower Upper

114 100

63 0.0 0.0 41.6

88 0.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 110.648 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD076135.D

Acq: 18 May 2023 12:34

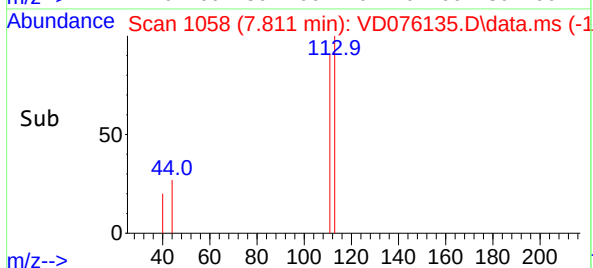
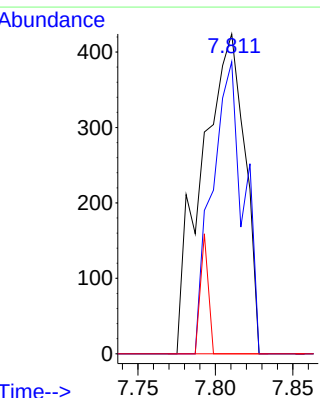
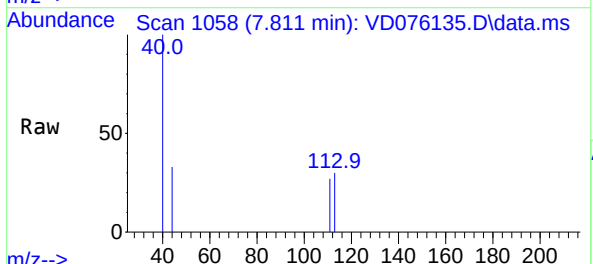
Tgt Ion:113 Resp: 813

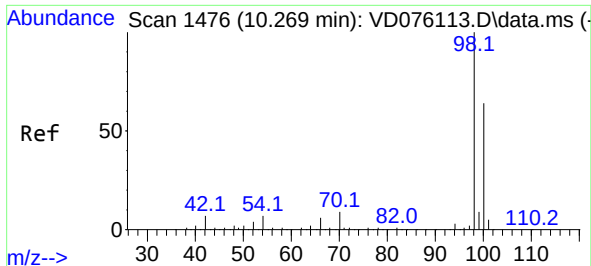
Ion Ratio Lower Upper

113 100

111 67.4 81.4 122.0#

192 6.9 15.2 22.8#

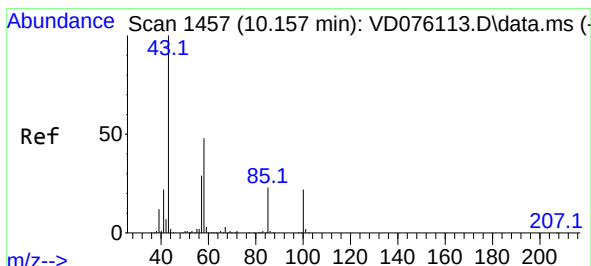
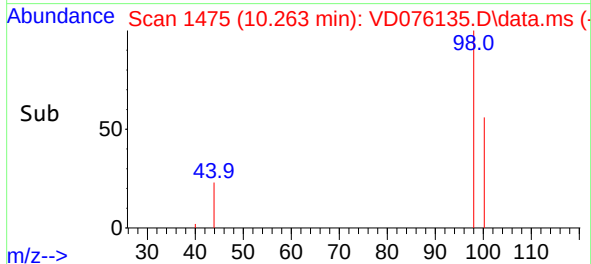
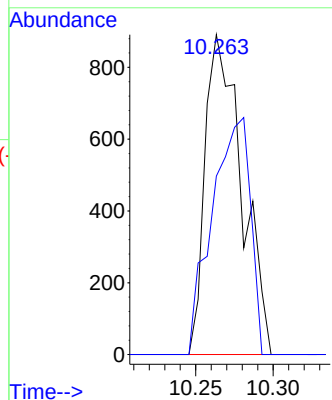
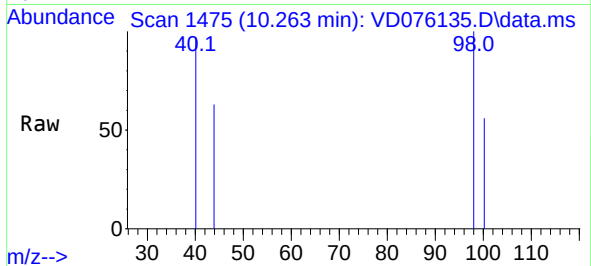




#50
Toluene-d8
Concen: 51.042 ug/l
RT: 10.263 min Scan# 1462
Delta R.T. -0.006 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

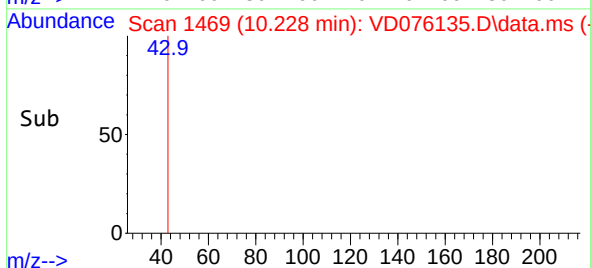
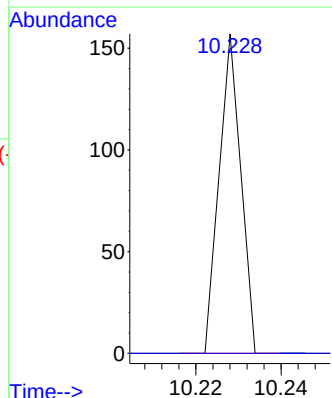
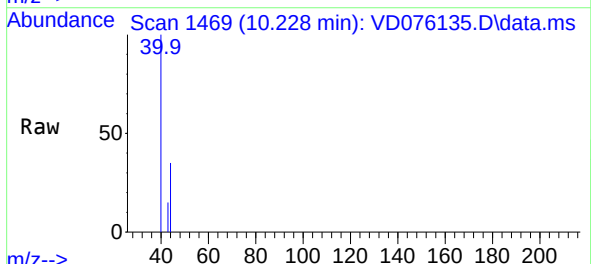
Instrument :
MSVOA_D
ClientSampleId :
HD-01-051723

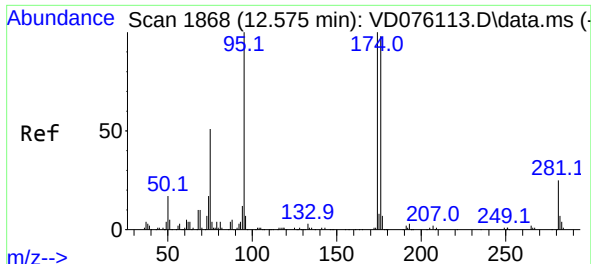
Tgt Ion: 98 Resp: 1462
Ion Ratio Lower Upper
98 100
100 77.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 16.110 ug/l
RT: 10.228 min Scan# 1469
Delta R.T. 0.071 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#

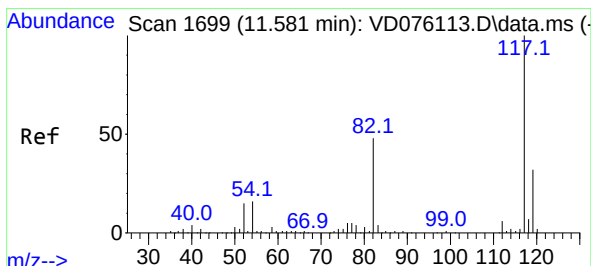
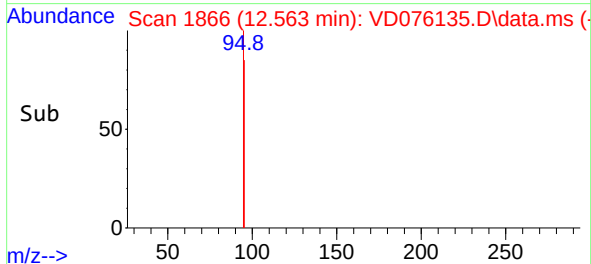
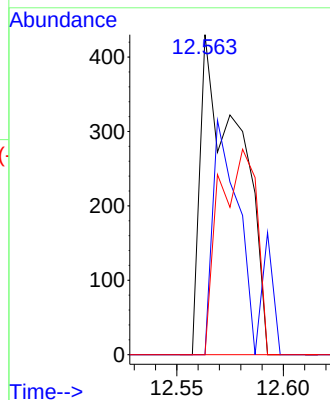
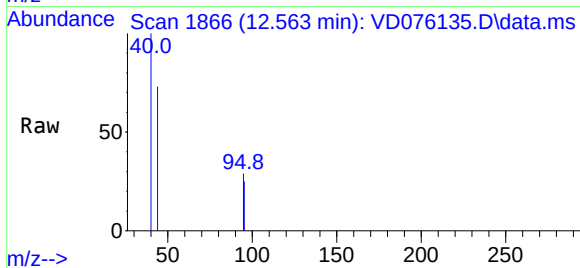




#62
4-Bromofluorobenzene
Concen: 68.371 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.012 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

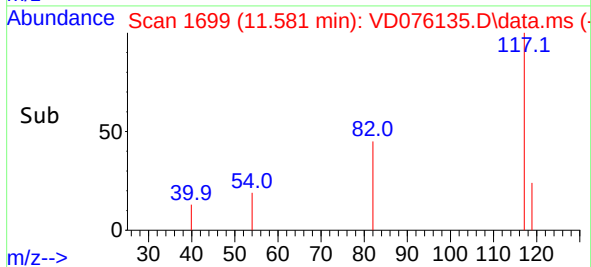
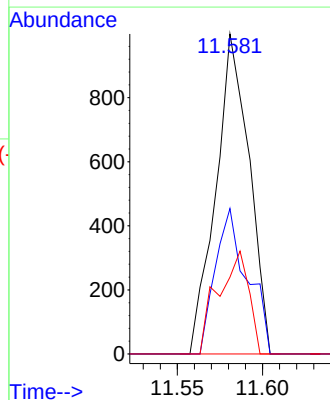
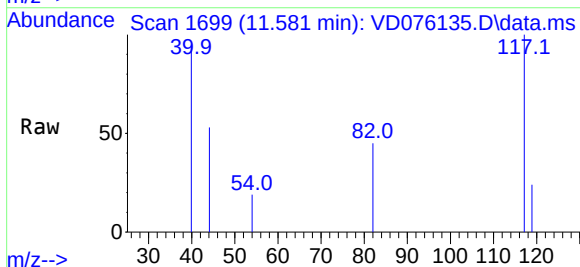
Instrument :
MSVOA_D
ClientSampleId :
HD-01-051723

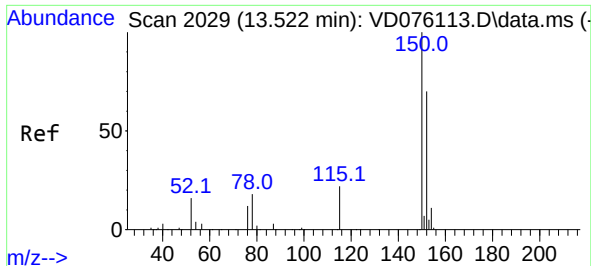
Tgt Ion: 95	Resp: 544
Ion Ratio	Lower Upper
95 100	
174 58.3	0.0 164.0
176 61.9	0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

Tgt Ion:117	Resp:	1361	
Ion Ratio	Lower	Upper	
117 100			
82 45.4	44.0	66.0	
119 24.0	25.1	37.7#	

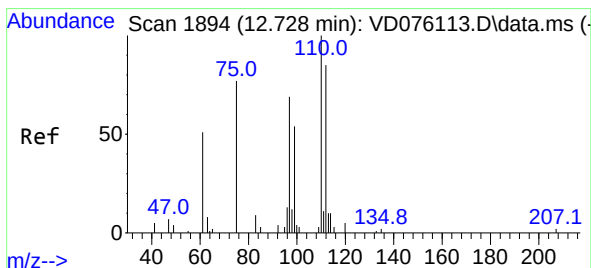
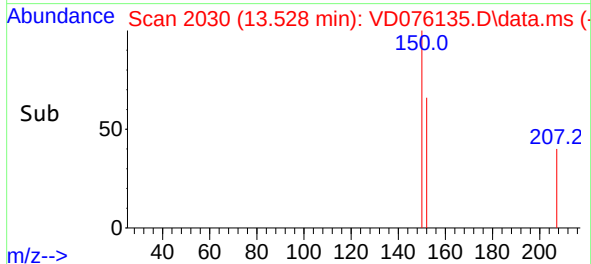
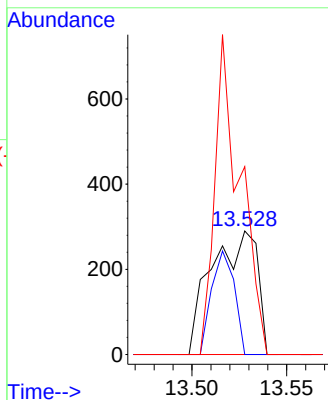
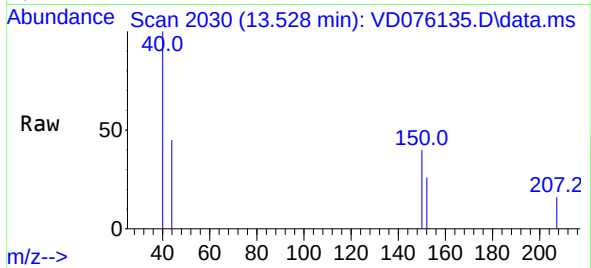




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.528 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

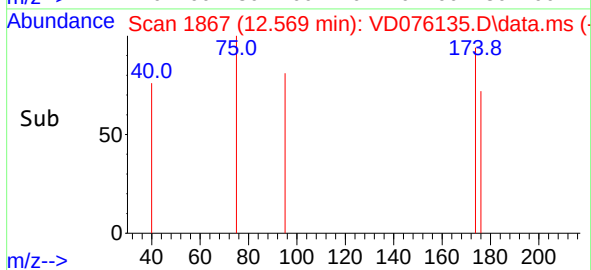
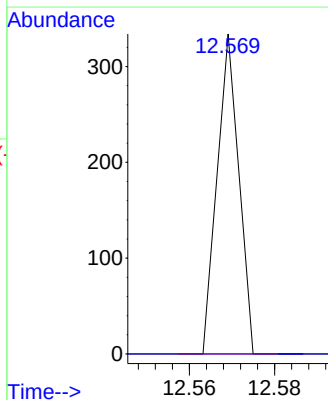
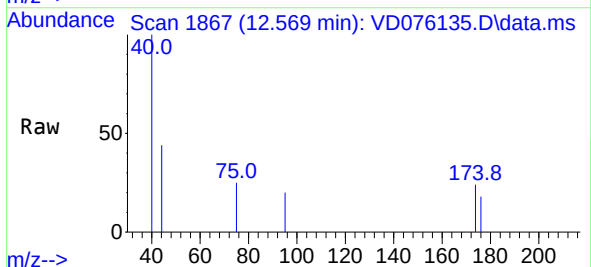
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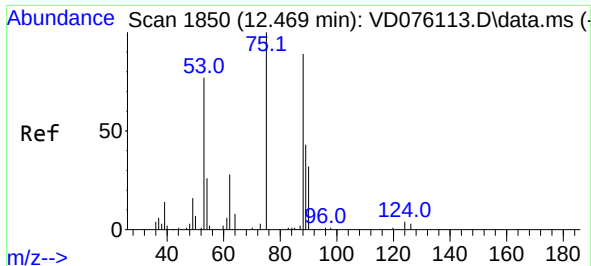
Tgt Ion:	152	Resp:	488
Ion	Ratio	Lower	Upper
152	100		
115	41.6	30.1	90.3
150	143.6	0.0	364.8



#76
1,2,3-Trichloropropane
Concen: 27.632 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

Tgt Ion:	75	Resp:	118
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

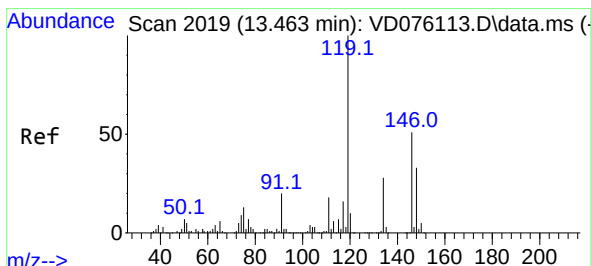
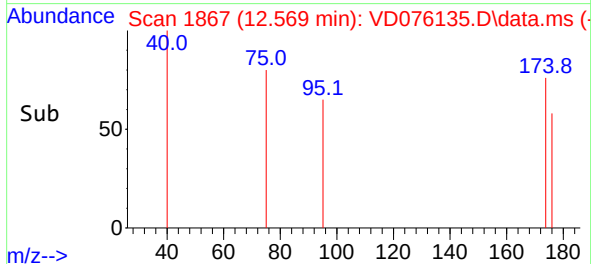
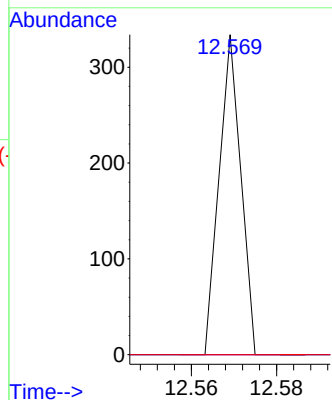
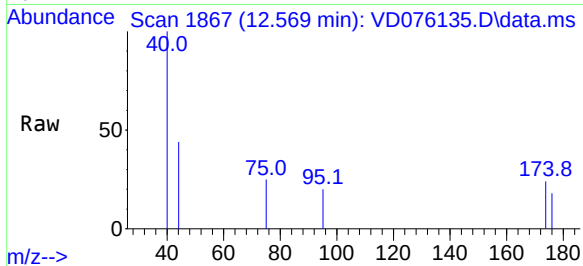




#81
trans-1,4-Dichloro-2-butene
Concen: 57.967 ug/l
RT: 12.569 min Scan# 118
Delta R.T. 0.094 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

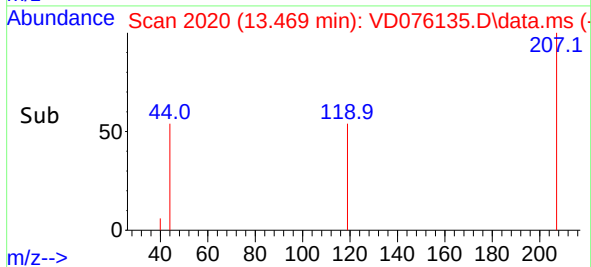
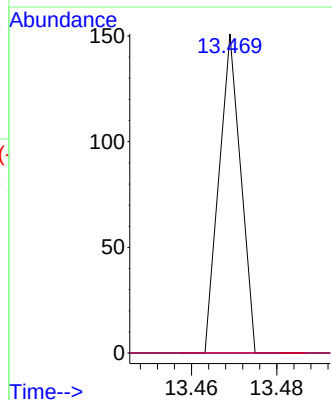
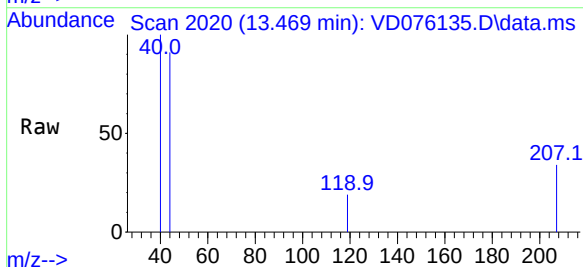
Instrument :
MSVOA_D
ClientSampleId :
HD-01-051723

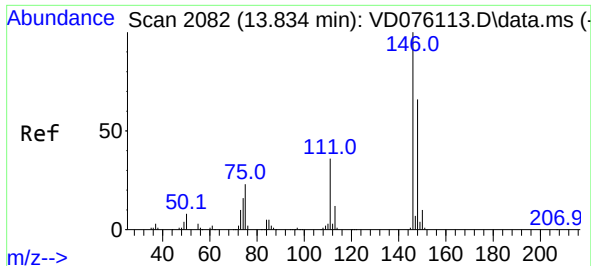
Tgt Ion: 75 Resp: 118
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#



#86
p-Isopropyltoluene
Concen: 1.838 ug/l
RT: 13.469 min Scan# 2020
Delta R.T. 0.006 min
Lab File: VD076135.D
Acq: 18 May 2023 12:34

Tgt Ion: 119 Resp: 53
Ion Ratio Lower Upper
119 100
134 0.0 13.1 39.3#
91 0.0 12.4 37.4#





#91

1,2-Dichlorobenzene

Concen: 3.517 ug/l

RT: 13.822 min Scan# 2082

Delta R.T. -0.012 min

Lab File: VD076135.D

Acq: 18 May 2023 12:34

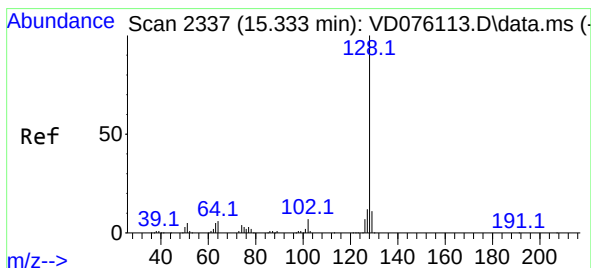
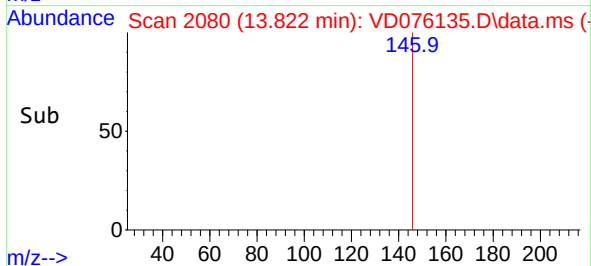
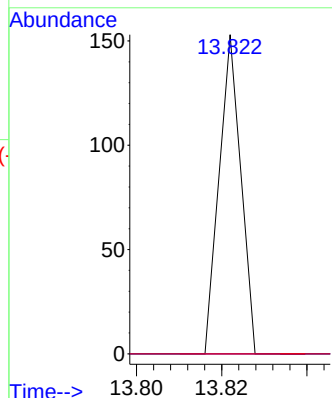
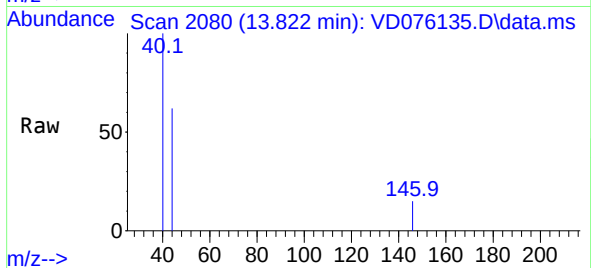
Instrument :

MSVOA_D

ClientSampleId :

HD-01-051723

Tgt Ion:	146	Resp:	54
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.6	61.8#
148	0.0	32.0	96.2#



#95

Naphthalene

Concen: 20.551 ug/l

RT: 15.316 min Scan# 2334

Delta R.T. -0.018 min

Lab File: VD076135.D

Acq: 18 May 2023 12:34

Tgt Ion:	128	Resp:	341
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

